



# **WHEELS & CASTORS** **CONVEYOR TECHNOLOGY**



***"80% of all products available  
in just 24 hours!"***



# WHEELS & CASTORS

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product // **theme**

Standard castors up to 450 kg	<b>110</b>
Medium-duty castors up to 700 kg	<b>182</b>
Heavy-duty castors up to 1,250 kg	<b>198</b>
Heavy-duty castors up to 10,000 kg	<b>224</b>
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**TORWEGGE is your partner.**

**We deliver a moving solution for all your transportation challenges.**



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The TORWEGGE GROUP is a specialist for customized solutions in logistic application involving wheels, castors, conveyor components, as well as individually driven and non-driven conveyor and transport systems. The name TORWEGGE stands for a tradition of expertise, quick service, high quality, customer-oriented innovations and versatility. All these ensure the long-term success of our company and our products.



#### Several factors combine for the best results:

1. Qualified employees who interact with customers effectively to ensure that problems are minimized.
2. Innovative, dynamic and efficient processes – delivering the best result to the customer as quickly as possible.

#### Our founding principles

- 🔗 Competence, customer focus, an open dialog:  
Driving our decisions.
- 🔗 Service, reliability and partnership:  
Ensuring success for our customers.
- 🔗 Innovation, excellent quality and versatility:  
Providing solutions for our customers.
- 🔗 Versatility, professionalism and a focus on solutions:  
Guiding our actions.
- 🔗 Commitment, integrity and forward-looking:  
The way we work.

Since our founding in 1957, the TORWEGGE Group has been based in the university city of Bielefeld, near the Teutoburg Forest. Over 100 dedicated and highly skilled employees now work at our headquarters there. We provide services and consulting for a large number of well-known companies – including small, medium-sized and global companies from various industries and business sectors. Many companies from the international machinery and automotive sectors are also our regular customers.

A new building with a large logistics/ assembly area and a modern office space was built in 2000 to meet the demands of our growing business.

Another production hall was built in 2007 in response to the steady expansion of our conveyor systems division. This has helped support our market-driven growth as well as our leading position in conveying system applications. TORWEGGE currently has over 7,000 square meters in Bielefeld for logistics, production, technology/design, and sales.

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Our wide range of products has helped the TORWEGGE Group to become a respected business partner throughout Europe.

We supply products to Germany and twenty other nations: USA, Austria, Belgium, Switzerland, Czech Republic, Denmark, Spain, France, England, Hungary, Italy, Luxembourg, the Netherlands, Norway, Poland, India, Slovakia, Sweden, Kuwait, Lebanon, Liechtenstein, Portugal, Turkey, Yemen, the UAE, Russia and the Ukraine.

We cooperate globally with reliable, selected partners to offer our customers a complete service network and guaranteed delivery capacity.



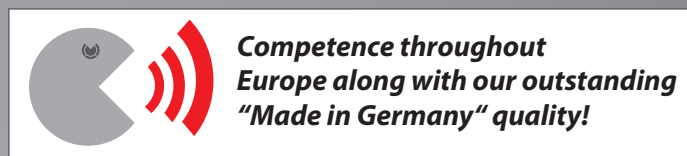
Headquarters in Bielefeld



Sales offices



Business partners who also offer our products



Our competent field service team is always on the go for you. Optimal advice and customer-oriented service are guaranteed.

Whether it's a standard product or a customer-specific requirement:

**We provide you the best solution.**

Our TORWEGGE-sales team set standards for proximity to customers and as a reliable partner.



**Quality** creates trust.

**We know how important quality is for you.**







We know how important quality is for you. That is why we are continually investing in and strengthening our quality assurance methods. We are also continually testing our products and processes.

Our product ideas thus provide an innovative influence on our products all the way from design to series production. The result: tested top quality that earns your trust.

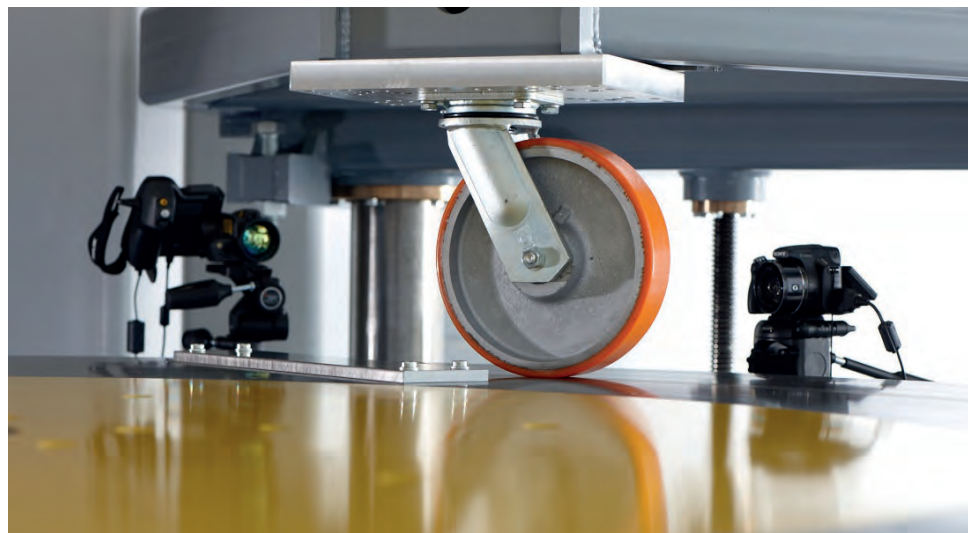


**Our technology lab is equipped with a wide range of testing facilities which we use for research, development and continuous quality inspections.**

There we can carry out inspections and testing procedures according to customer requirements, DIN standards (EN 12527 – 12533, etc.) or run load-limit testing. We also have various inspection equipment for testing wheel brakes, directional locks and static durability.

This also gives us the ability to accurately measure and test our products' characteristics: including pivot bearing play, roll resistance, electrical conductivity, as well as radial and axial run. Standard-compliant testing intervals or customized test cycles may be used at our dynamic test bench.

Test runs are carried out at speeds up to 25 km/h and with loads up to 5,000 kg. We use state-of-the-art measuring equipment and customized software for taking three-dimensional force measurements (X, Y, and Z directions). This modern equipment also enables us to fully document and record (e.g. using a thermal imaging camera) the testing interval process.

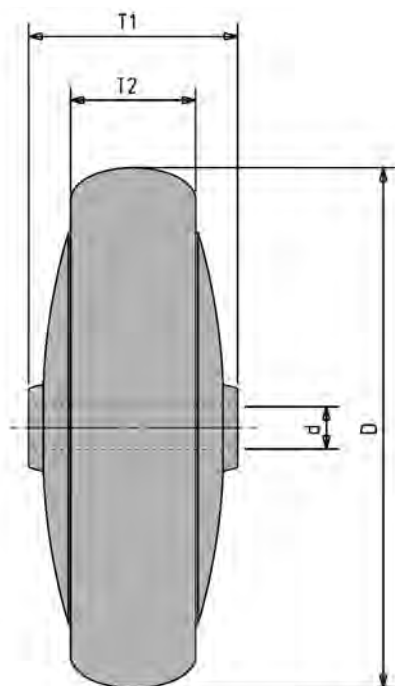


## Wheels

Depending on their design, wheels can have very different rolling properties, resistances and load carrying capacities. They are made up of individual components: such as a press-on tire/tread or wheel, a rim or wheel body and a bearing.

The characteristics of the wheel depend on the various treads and rim components. The type of bearing also influences the load-carrying capacity, rolling characteristic, and rolling resistance of the wheel.

T1 = hub length  
T2 = wheel width  
D = wheel diameter  
d = axle hole diameter



## Bearing

**Plain bearing:** Simple, low-maintenance and impact-resistant bearing. No further bearing bushes are used in wheels made from polyamide or cast iron, since these materials have good gliding properties.

**Roller bearing:** Sturdy, resistant, low-maintenance bearing. The most commonly used bearing for equipment that moves at low speeds. Featuring minimal rolling resistance.

**Ball bearing:** Smooth running for continuous use – even under heavier loads and at higher speeds. Ball bearings are mainly used in technically demanding equipment rollers.

## Determining factors when selecting wheels and rollers

### 1. Tires

The type of tire is very important when selecting the proper wheel or roller because the load-carrying capacity and rolling resistance depend on it. Thus the wheels and rollers listed in this catalog are categorized according to the main criterion of tire type.

### 2. Operating conditions

The condition of the traveling surface determines the tire quality and the wheel diameter. We recommend using large-diameter, elastic wheels for uneven surfaces.

The service life and the functionality of a wheel, roller or castor depends on, among other things, the extent to which the used materials or their surface finishes can withstand the effects of corrosion, temperature, and chemical substances.

Steel, which is normally used in the production of wheels and castors, has hardly any resistance to humidity when it does not have a protective coating. The steel is then slowly destroyed by corrosion. This is why the surfaces of the

wheel and castor components feature a protective layer.

Apart from the degree of resistance offered by the different surface finishes, you must also consider that these protective layers can be damaged by mechanical influences.

Parts which are protected by special coatings will provide reduced corrosion protection when their protective coatings are damaged. Rust also starts to infiltrate the intact layer of coating located near the damaged area. When there is only minor damage, galvanized layers are advantageous because the zinc material provides corrosion protection.

This is because the zinc portion of the zinc/steel combination corrodes first as a result of the electrochemical processes, and the bare area is not affected. The individual galvanized components are subjected to a supplementary chemical treatment referred to as chromating or passivation.

There is a difference between blue and yellow chromate finishes: the yellow chromate finish provides a greater de-

gree of protection against moisture than the blue chromate finish.

Stainless steel provides good corrosion resistance. The predominant material (in 1.4301/AISI 304) is an 18-percent chromium-nickel steel alloy.

### Chemical resistance

The chemical resistance of a castor or roller must be considered whenever aggressive media may come into direct contact with any components. The table on the following pages lists the different chemical resistances of materials used for tire treads and wheel bodies.

The data in our tables should only be used as guidelines. The chemical resistance properties are not only dependent on the type of reacting chemical, but also on the chemical concentration, duration of contact, and environmental conditions such as temperature and humidity. Please contact us for advice if you are in any doubt about usage.

*Caution: Mixtures of chemicals can have completely different influences than the data specified in the table. We accept no legal liability.*

**The required load capacity can be calculated using the following formula:**

$$\frac{\text{Weight of the equipment} + \text{absolute maximum payload}}{3} = \text{required load per castor when using 4 castors}$$

## Temperature resistance

The functionality of a wheel or castor also depends on the influence of temperature. The temperature specifications for the treads are derived from the interaction of the ambient temperature and the heat caused by flexing.

If plastic wheels, rims, or wheel bodies are being used, then temperature influences must be considered when selecting the proper material and bearing type. The load-carrying capacity and degree of stability are affected by cooling and heating.

The load-carrying capacity and the service life of treads decrease significantly at higher temperatures; this is why special treads and wheel materials have been developed for use at higher temperatures.

## 3. Load-carrying capacity

Use the following formula to calculate the load-carrying capacity for the product you have selected: Total weight of the equipment (= weight + payload) divided by 3 (often only three of four wheels have contact with the ground on uneven surfaces). Driving over obstacles can also cause temporary overloading.

The load-carrying capacities for wheels, castors and rollers that are specified in this catalog are valid for driving speeds up to 4 km/h when used on even, smooth surfaces at ambient temperatures between +10°C and +30°C. All dimensions, load-carrying capacities, tolerances, and true running accuracies correspond to the following standards: EN 12527 – 12533, DIN 7845.

Please also observe the prohibition symbols.

The load-carrying capacities are valid at driving speeds of 4 km/h on even surfaces. The load-carrying capacities that are specified for rollers, castors and wheels in this catalog are static-dynamic load values.

## 4. Type of usage and duration

Your application type and the length of time a wheel, roller or castor will be used are the criteria for selecting the proper bearing type.

Wheel bearings can be either: plain bearings, roller bearings or ball bearings.

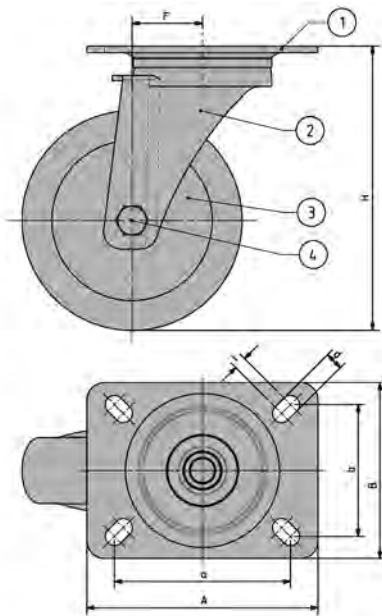
## 5. Starting and rolling resistances

The starting and rolling resistances are determined by the force required to move a vehicle. These resistances are dependent on the wheel material, the wheel diameter, the nature of the tread, the bearing element, and the load.

The larger the wheel diameter, the lower the rolling resistance. Wheels with polyamide and polyurethane tire treads attain the lowest starting and rolling resistances on even surfaces.

## 6. Technical note

We reserve the right to make technical changes.



## Swivel castor with plate

### Designations

- 1 = mounting plate
- 2 = swivel fork
- 3 = wheel
- 4 = wheel axle

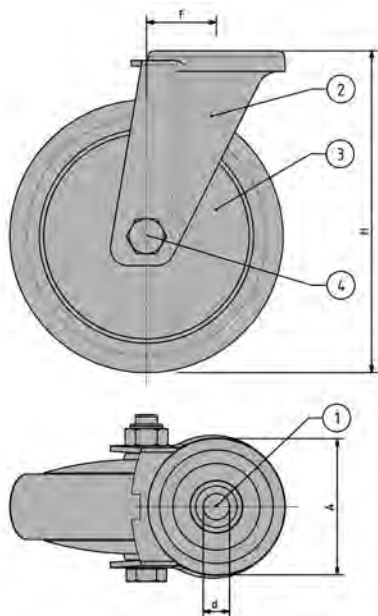
### Dimensions

- H = total height / installation height
- F = projection
- A, B = plate size
- a, b = screw hole spacing
- d = screw hole diameter

### Castors

The term castors refers to non-driven components which consist of at least one wheel and a housing. We distinguish between swivel castors and fixed castors. Swivel castors allow a constant change of direction via a bearing which is built into the housing.

Swivel castors can also be fitted with brakes that can lock the wheel movement, pivoting motion, or both at the same time. Fixed castors, on the other hand, are characterized by directional stability and cannot be pivoted.



## Bolt-hole swivel castors

### Designations

- 1 = bolt hole
- 2 = swivel fork
- 3 = wheel
- 4 = wheel axle

### Dimensions

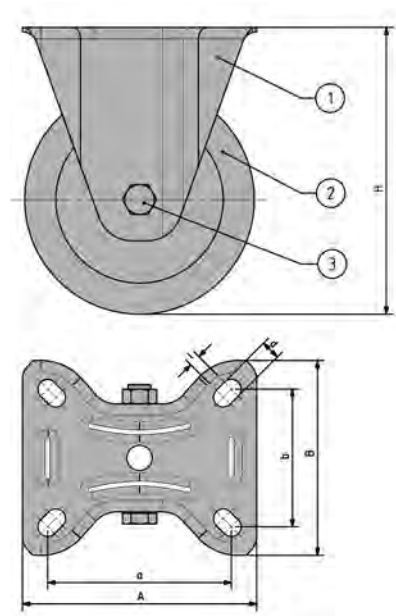
- H = total height / installation height
- F = projection
- A = plate size
- d = bolt hole diameter

### Swivel castors

Swivel castors can be fitted with locking mechanisms for locking the following functions:

- The rotating motion of the wheel (wheel brake)
- The rotating motion of the wheel and the pivoting motion of the fork (wheel and swivel brake)
- The pivoting motion of the fork (directional brake)

The best fastening mechanisms have proven to be mounting plates, steel stems for tubes, as well as screw attachment using the bolt hole located in the swivel housing.



## Fixed castors

### Designations

- 1 = fixed housing
- 2 = wheel
- 3 = wheel axle

### Dimensions

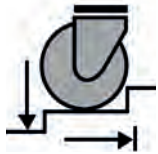
- H = total height/installation height
- A, B = plate size
- a, b = screw hole spacing
- d = screw hole diameter

### Fixed castors

Fixed castors do not swivel; they provide machinery and equipment with directional stability. Screw-on mounting plates have proven their worth as secure fastening mechanisms.



## Failure symbols



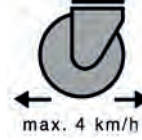
**Overload**  
caused by impact  
and fall



**Overload**  
caused by  
uneven surfaces



**Overload**  
caused by movement  
when in a locked  
position



**Overload**  
caused by  
excessive speed



**Overload**  
caused by  
lateral force



**Overload**  
caused by  
chemical agents



**Overload**  
caused by  
thermal effects



**Overload**  
caused by load-  
bearing capacity



**Danger Symbol**  
caused by structural  
alterations that have  
not been approved  
by the manufacturer

## Pictograms used in this catalogue



Wheel Ø



Construction  
height



Wheel hole



Projection



Castors Ø



Roller width



Axle



Plate size



Screw hole  
spacing



Screw hole Ø



Total length  
with axis



Axle thread



Wheel width



Groove width



Groove depth



Rim Ø



Clamping length



Hub length



Hub Ø



Load-carrying  
capacity



Plain-, roller-,  
ball bearing

## Chemical resistance

	conc. %	Rubber	Polyamide	Polyurethane
sewage			+	♦
acetaldehyde	40	♦	♦	-
acetone		+	+	-
acetylene		+	+	+
acrylic acid > 30°C			-	-
ethanolamine				-
ether			+	+
ethyl acetate		♦	+	-
ethyl alcohol		+	♦	+
ethylene				+
caustic potash				-
caustic soda				-
alkyl benzenes			+	
alkyl alcohol		+	♦	-
aluminium acetate			+	
formic acid	10	♦	-	-
amine, aliphatic			+	
amino acid mix			+	
malic acid			+	♦
ammonia, liquid	20	+	+	-
ammonium salts			+	
ammonium bicarbonate			+	
ammonium carbonate		+		-
ammonium thiocyanate			+	
ammonium hydroxide				-
ammonium nitrate		♦		+
ammonium sulfate		♦		+
amyl acetate		+	+	-
amyl alcohol		+	+	♦
aniline		-	♦	-
anthraquinone, 85°C			+	
barium salt		+	♦	+
cottonseed oil				+
benzene, petroleum ether		-	+	+
beer		+	+	+
bitumen		-	+	+
lead acetate, aq.	10	♦	+	+
lead nitrate		+		+
borax		+		+
boric acid, aq.	10	+	♦	+
bromine		-	-	-
butter		-	+	+
butane		-	+	+
chlorine, chlorine water		-	-	-
carbolineum		-	+	-
citrus oils			+	
casein			+	
chromic acid, aq.	10	-	♦	♦
clophen		-	+	-
cobalt salt, aq.	20		♦	
cyclohexanol			+	
diethylene glycol		+	+	+
dichlorobenzene		-	+	-
dichlorobutylene		-		-
dimethyl ether		♦	+	+
dimethylaniline				-
dimethyl formamide		♦	+	-
diphyl, 80°C			+	-

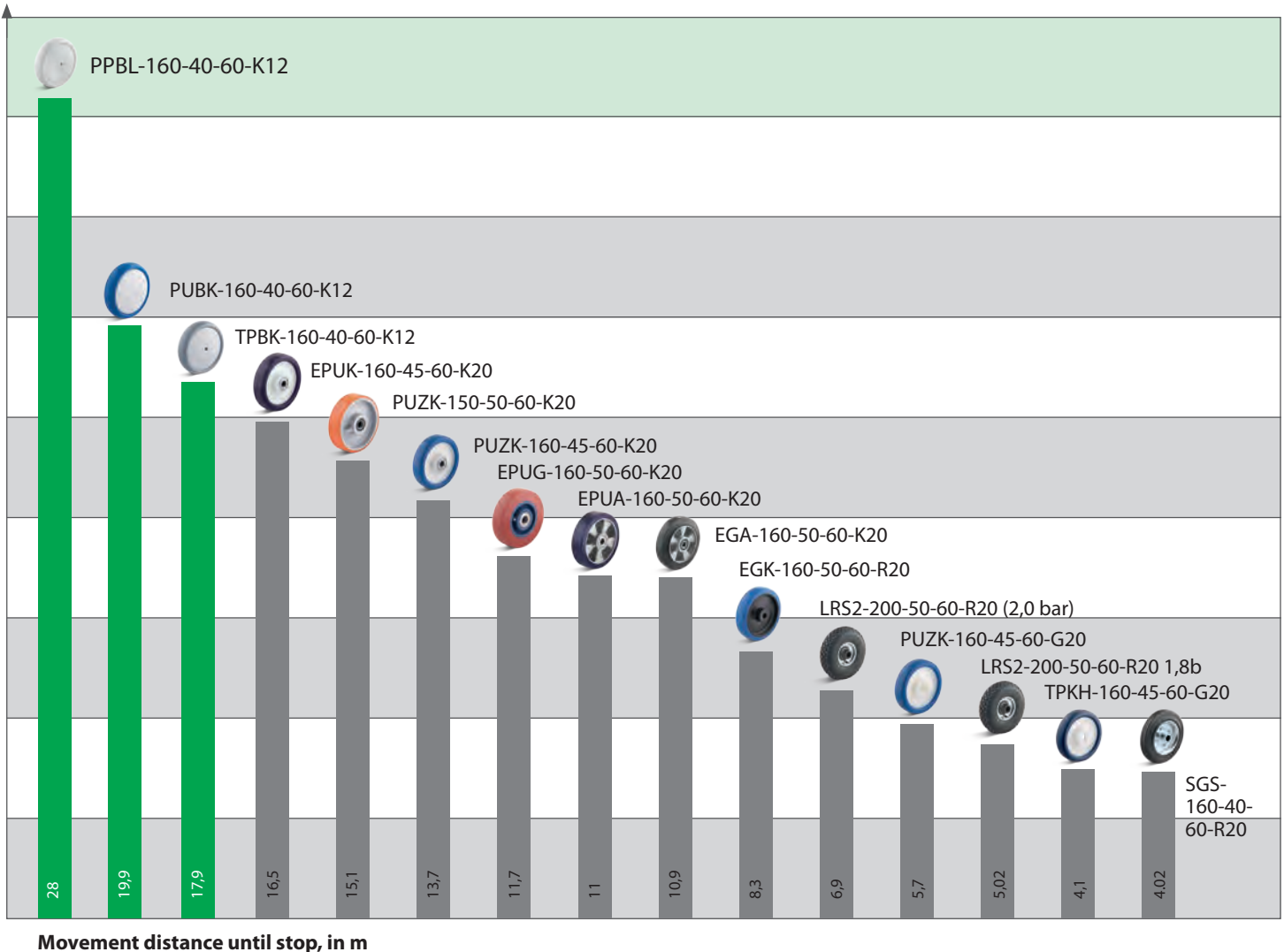
	conc. %	Rubber	Polyamide	Polyurethane
noble gases			+	
glacial acetic acid		♦		-
ferric chloride, acid	10	♦	-	♦
ferric sulfate				+
descaler, aq.	10		+	
mineral oil		-	+	+
acetic acid	30	-	+	-
formaldehyde	30	+	+	♦
furfural			+	-
fatty acids			+	+
pine needle oil		-		+
fluorine		-	-	-
faormamid, purely		+	+	♦
gelatone				+
glucose		+		+
glycerol		+	+	+
glycol		+	♦	♦
uric acid, aq.	10	+	+	
hydraulic fluids		-	+	-
hexane		-	+	+
isopropylchloride		-		-
isoprophyl ether		+	+	-
iodine tincture		+	-	-
potassium chloride	10	♦	+	+
potassium cyanide				♦
potassium hydroxide			+	-
potassium sulphate		+		+
calcium salts				♦
cresols			-	+
aqua regia		-	-	-
carbon monoxide, hot			+	+
carbonic acid				+
coconut oil		-	+	+
copper chloride		+		+
copper salts, aq.	10		-	+
copper sulfate		♦	♦	+
glue				+
mixed acids		-	-	-
manganese salts	10		♦	
magnesium salts, aq.	10		+	+
methyl alcohol		♦	♦	+
methylene chloride		-	-	-
methyl ethyl ketone		-	-	-
methylpyrrolidone				-
mineral oil		-	+	+
monobromobenzene		-		-
mortars, cements, lime		+	+	
milk		+	+	+
caustic soda	50	+	♦	-
naphthalene		-	+	-
sodium chloride, aq.	10	♦	+	+
sodium cyanide, aq.	10		+	-
sodium hydroxide, aq.				-
sodium carbonate, aq.				-
sodium nitrate, aq.	10	+	+	+
sodium phosphate, aq.	10	+	+	+
sodium silicate, aq.	10	+	+	♦
sodium sulfide, aq.	10	+	+	+

	conc. %	Rubber	Polyamide	Polyurethane
sodium sulfide, aq.	10	♦	+	♦
sodium thiosulfate	10	+	+	♦
nickel chloride, aq.	10	+	♦	+
nickel salts, aq.	10		♦	+
nickel sulfate, aq.	10	♦	♦	+
oleic acid		-	+	+
ozone		-	♦	+
oxalic acid, aq.	10		♦	
paraffin		-	+	+
vegetable oils		-	+	+
palmitic acid			+	-
phosphoric acid, aq.	10	♦		
phenylethylether		-		+
phenylbenzene		-		-
propane		-	+	+
propyl alcohol				+
mercury		+	+	+
mercury chloride			-	+
rizinus oil				+
flue gas				-
hydrochloric acid, aq.	30	♦	-	-
sulfurous acid		♦	♦	-
mustard				+
silver nitrate		♦		+
sodium carbonate, aq.	10	+	+	
road salt (solutions)			+	
stearic acid		-	+	-
turpentine oil		-	+	♦
tannic acid	10	+		
carbon tetrachloride		-	+	-
toluene		-	+	-
trichlorethylene		-		-
ink, indian ink		+	+	+
uranium fluoride			-	
urine		+	+	
vaseline			+	
vinyl chloride, 80°C			+	
wax, 80°C			+	
wash liquors, 80°C		+	+	♦
water, cold		+	+	+
water up to 80°C		♦	+	-
water (seawater)		+	+	♦
tartaric acid, aq.	10	+	+	
xylene		-	+	-
zinc chloride, aq.	10	+	♦	-
zinc thiocyanate	30		-	
citric acid, aq.	10	+	+	

+ resistant  
♦ limited resistance  
- not resistant

This table is not  
legally binding.

## Rolling resistance diagram



### Test setup

- Descent ramp with a height of 300 mm and length of 2500 mm.
- Run-off on smooth, clean industrial floor.
- Transportation equipment: Chassis with four parallel fixed castors aligned in the direction of travel (160 mm diameter).
- Test weight of 200 kg in a EURO pallet cage, center loaded.
- Normal room temperature: 22 °C, dry.

### Test result

Torwegge's light-running series achieved top values during the measurement test:

The polypropylene wheels (PPBL) ran the longest distance, followed by the polyurethane wheels (PUBK) and the wheels made of thermoplastic rubber (TPBK).

The elastic polyurethane series achieved average results. The standard solid rubber wheels ended up last.

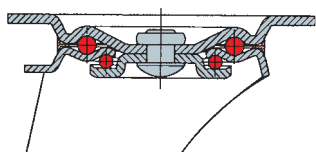


***“Our thermoplastic light-running products roll effortlessly, offer an outstanding price-performance ratio, and have an innovative design”***

## Versions of housings

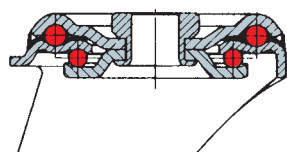
### Series IS

- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer plate mounting



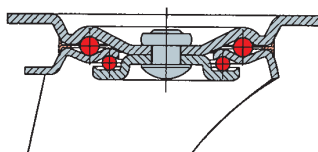
### Series IS-OB

- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer bolt hole



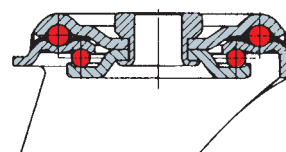
### Series IL

- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer plate mounting



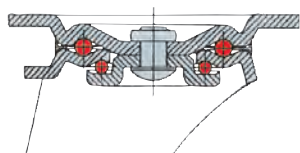
### Series IL-OB

- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- bolt hole



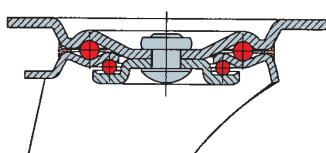
### Series IT und HT

- steel sheet housing, shiny galvanized
- fork head with double ball bearing
- with temperature-resistant grease



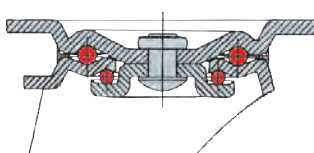
### Series IP

- heavy, pressed steel plate housing, galvanized
- fork head with double ball bearing



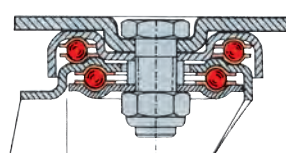
### Series IM

- heavy steel plate housing, galvanized
- fork head with double ball bearing



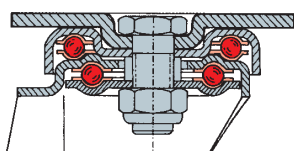
### Series IH

- heavy steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells, extra resistant to shock and impact



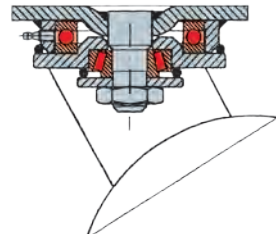
### Series HO

- heavy steel plate housing, galvanized
- for wheel diameters of 250 mm or larger, housing with steel welded construction
- fork head with double ball bearing and hardened bearing shell, extra resistant to shock and impact



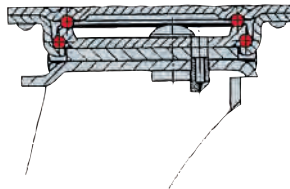
### Series HD

- heavy welded steel construction, painted black
- fork head with sealed axial rib ball bearing and partially tapered roller bearing, can be lubricated



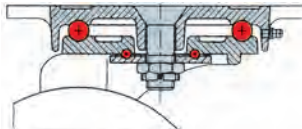
### Series IG

- reinforced steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells with seal, can be lubricated
- fork head without center pin



### Series CI

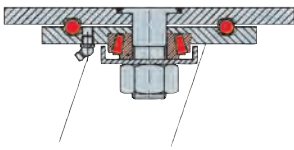
- made of high-quality malleable cast iron, painted
- heat resistant: up to +180° c
- fork head with double ball bearing
- very tough and excellent resistance to fracturing
- housing can be lubricated





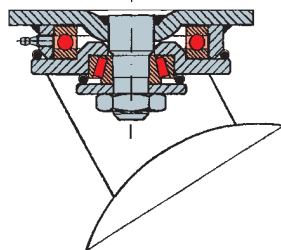
#### Series HL

- heavy welded steel construction, galvanized
- fork head with hardened bearing
- shells and tapered roller bearing, can be lubricated
- center pin screwed and secured



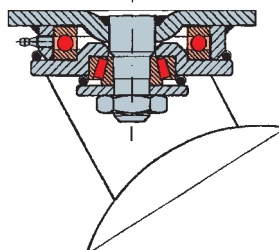
#### Series HB

- heavy welded steel construction, galvanized
- fork head with sealed axial rib ball bearing and tapered roller bearings, lubrication nipple
- center pin is screwed and secured



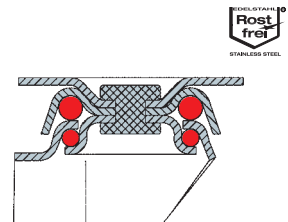
#### Series HS

- very sturdy welded steel construction, protected against dust and splashed water
- can be lubricated, bolted and secured with sturdy center pin wheel axle is screwed on
- housings up to wheel diameter of 150 mm galvanized; wheel diameters above 200 mm are painted black



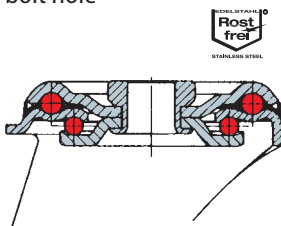
#### Series AV

- lightweight stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid



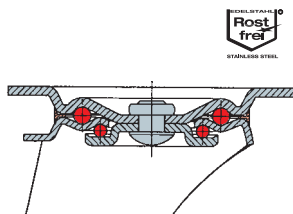
#### Series AV-OB

- lightweight stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- bolt hole



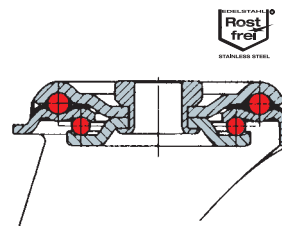
#### Series IV

- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid



#### Series IV-OB

- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- bolt hole



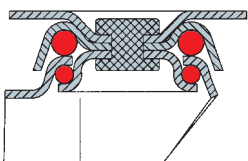
#### Series MV

- extra heavy stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid



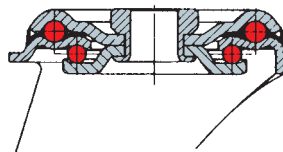
#### Series AL und AD

- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing



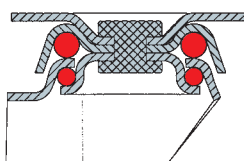
#### Series AL-OB und AD-OB

- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- bolt hole



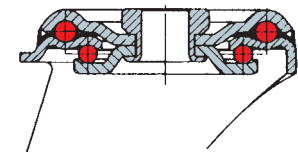
#### Series AH

- heavy, pressed apparatus housing, galvanized
- fork head with double ball bearing



#### Series AH-OB

- heavy, pressed apparatus housing, galvanized
- fork head with double ball bearing
- bolt hole



# INDUSTRIAL WHEELS



SERIES	SGS/SGK	EGK/EGKD/ EGA/EGG/EGS	TPBK/TPKH	PUBK/PUZK/ PUZA/PUZG	EPUK/EPUA/ EPUG	GPSK/GPK/ GPS
LOAD- CARRYING CAPACITY	up to 475 kg	up to 7,800 kg	up to 450 kg	up to 4,500 kg	up to 1,250 kg	up to 200 kg
WHEEL Ø	80 mm - 400 mm	80 mm - 620 mm	80 mm - 250 mm	80 mm - 500 mm	80 mm - 300 mm	100 mm - 400 mm
MATERIAL/ TIRES	solid rubber	elastic- solid rubber	thermoplastic	polyurethane	elastic- polyurethane	foamed polyurethane
BEARING	plain bearing, roller bearing	roller bearing, ball bearing	plain bearing, ball bearing	plain bearing, ball bearing	plain bearing, ball bearing	plain bearing, roller bearing, ball bearing
PAGES	22	29	36	40	49	52



	<b>LRK/LRS</b>	<b>PPW/PPS/ PPBL/PPH</b>	<b>PAL/PALB/ PAM/PAH/ GPA</b>	<b>GGG/GGK</b>	<b>STS</b>	<b>HGK/HDK</b>
	up to 1,100 kg	up to 400 kg	up to 5,000 kg	up to 1,250 kg	up to 10,000 kg	up to 300 kg
	150 mm - 540 mm	80 mm - 250 mm	65 mm - 300 mm	80 mm – 250 mm	75 mm – 300 mm	80 mm - 200 mm
	pneumatic tires	polypropylene	polyamide, cast polyamide	cast iron	steel	solid rubber, plastic
	plain bearing, roller bearing, ball bearing	plain bearing, roller bearing, ball bearing	plain bearing, roller bearing, ball bearing	plain bearing, ball bearing	plain bearing, ball bearing	plain bearing, ball bearing
	<b>54</b>	<b>72</b>	<b>76</b>	<b>90</b>	<b>94</b>	<b>98</b>



*“Wide variety”*



## Solid rubber wheels for universal use

The material solid rubber is especially suitable for uneven and hard floors because of the soft and elastic tread. Our solid rubber wheels are available with different shore hardness, tires, wheel center and bearings. Floor contact staining can occur with these black tyres through plasticizer diffusion.

### Properties

- 🔊 run quietly
- 🔧 robust
- 💰 inexpensive
- 🛡️ shock-resistant
- 📉 absorbs vibration



### Shore hardness

approx. 65-85° Shore A

### Temperature range

solid rubber can be used from -30° C to +80° C  
at temperatures above +30° the load carrying capacity

### Bearing types

- 🔧 plain bearing (through hole)
- 🔧 roller bearing
- 🔧 ball bearing
- 🔧 precision bore and keyway groove

### areas of use // floors





#### Features:






- SGS wheels:
- wheel body made of steel center with roller bearing
- tread made of odorless standard solid rubber tires, black, approx. 80° – 85° shore A

#### Properties:

- runs quietly
- affordable
- absorbs vibration
- also available with grey tires
- (old designation: 522)

#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGS-080-25-40-R12 Ident No.: 0013140	80	25	12	40	50
SGS-100-30-40-R12 Ident No.: 0013149	100	30	12	40	70
SGS-125-38-50-R15 Ident No.: 0013159	125	38	15	50	100
SGS-125-38-44-R15 Ident No.: 0013160	125	38	15	44	100
SGS-140-37-49-R20 Ident No.: 0013181	140	37	20	49	120
SGS-160-40-60-R20 Ident No.: 0013190	160	40	20	60	135
SGS-180-50-60-R20 Ident No.: 0013224	180	50	20	60	170
SGS-180-50-58-R25 Ident No.: 0037081	180	50	25	58	220
SGS-200-50-60-R20 Ident No.: 0013231	200	50	20	60	205
SGS-225-55-58-R20 Ident No.: 0013254	225	55	20	58	250
SGS-225-55-58-R25 Ident No.: 0013256	225	55	25	58	250
SGS-250-60-75-R25 Ident No.: 0013257	250	60	25	75	295
SGS-280-70-75-R25 Ident No.: 0013325	280	70	25	75	385
SGS-400-75-75-R25 Ident No.: 0013330	400	75	25	75	475

Suitable castors can be found on page 115

Matching accessories can be found on page 432






**floors****Features:**

- SGK wheels:
- wheel body made of plastic with roller bearing
- tread made of odorless standard solid rubber tires, black, approx. 80° – 85° shore A

**Properties:**

- runs quietly
- affordable
- absorbs vibration
- also available with grey tread
- (old designation: 522/.../KU)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGK-080-25-40-R12 Ident No.: 0013144	80	25	12	40	50
SGK-100-30-40-R12 Ident No.: 0013154	100	30	12	40	70
SGK-125-38-50-R15 Ident No.: 0013166	125	38	15	50	100
SGK-140-36-49-R15 Ident No.: 0013184	140	36	15	49	120
SGK-150-40-48-R15 Ident No.: 0013189	150	40	15	48	130
SGK-160-40-60-R20 Ident No.: 0013195	160	40	20	60	135
SGK-180-45-60-R20 Ident No.: 0013226	180	45	20	60	180
SGK-200-50-60-R20 Ident No.: 0013239	200	50	20	60	205
SGK-250-50-60-R20 Ident No.: 0013258	250	50	20	60	250
SGK-250-60-75-R25 Ident No.: 0013265	250	60	25	75	295
SGK-250-60-75-R20 Ident No.: 0013266	250	60	20	75	295

Suitable castors can be found on page 118

Matching accessories can be found on page 432



## Features:



- SGS-grey wheels:
- wheel body made of steel sheet with roller bearing
- tread made of odorless standard solid rubber tires, grey, approx. 80° – 85° shore A

## Properties:

- non-marking
- runs quietly
- affordable
- absorbs vibration
- (old designation: 522/.../BG)

## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGS-080-25-40-R12-grey Ident No.: 0013141	80	25	12	40	50
SGS-100-30-40-R12-grey Ident No.: 0013150	100	30	12	40	70
SGS-125-38-44-R15-grey Ident No.: 0013162	125	38	15	44	100
SGS-125-38-50-R15-grey Ident No.: 0013161	125	38	15	50	100
SGS-140-38-48-R20-grey Ident No.: 0013182	140	38	20	48	120
SGS-160-40-60-R20-grey Ident No.: 0013192	160	40	20	60	135
SGS-180-48-58-R20-grey Ident No.: 0013225	180	48	20	58	180
SGS-200-50-60-R20-grey Ident No.: 0013236	200	50	20	60	200
SGS-250-60-75-R25-grey Ident No.: 0013262	250	60	25	75	295

Suitable castors can be found on page 121

Matching accessories can be found on page 432








**floors****Features:**

- SGK-grey wheels
- wheel body made of plastic with roller bearing
- tread made of odorless standard solid rubber tires, grey, approx. 80° – 85° shore A

**Properties:**

- non-marking
- runs quietly
- affordable
- absorbs vibration
- (old designation: 522/.../KUBG)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGK-080-25-40-R12-grey Ident No.: 0013145	80	25	12	40	50
SGK-100-30-40-R12-grey Ident No.: 0013155	100	30	12	40	70
SGK-125-38-50-R15-grey Ident No.: 0013168	125	38	15	50	100
SGK-140-37-49-R15-grey Ident No.: 0013186	140	37	15	49	120
SGK-150-40-48-R15-grey Ident No.: 0039372	150	40	15	48	120
SGK-160-40-60-R20-grey Ident No.: 0013198	160	40	20	60	135
SGK-180-50-60-R20-grey Ident No.: 0030904	180	50	20	60	170
SGK-200-50-60-R20-grey Ident No.: 0013241	200	50	20	60	200
SGK-250-60-75-R25-grey Ident No.: 0013267	250	60	25	75	295

Suitable castors can be found on page 124

Matching accessories can be found on page 432



## Features:






- SGK-plain bearing wheels:
- wheel body made of plastic with plain bearing
- tread made of odorless standard solid rubber tires, black, approx. 80° – 85° shore A

## Properties:

- runs quietly
- affordable
- absorbs vibration
- (old designation: 522/.../KU)

## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGK-080-32-40-G12 Ident No.: 0013146	80	32	12	40	50
SGK-100-30-40-G12 Ident No.: 0013156	100	30	12	40	70
SGK-125-38-50-G15 Ident No.: 0013171	125	38	15	50	100
SGK-125-38-44-G15 Ident No.: 0013174	125	38	15	44	100
SGK-140-36-49-G20 Ident No.: 0013185	140	36	20	49	120
SGK-140-38-44-G15 Ident No.: 0013951	140	38	15	44	120
SGK-160-40-60-G20 Ident No.: 0013199	160	40	20	60	135
SGK-160-40-45-G20 Ident No.: 0028488	160	40	20	45	135
SGK-180-45-60-G20 Ident No.: 0013228	180	45	20	60	180
SGK-180-50-48-G20 Ident No.: 0013229	180	50	20	48	180
SGK-200-50-60-G20 Ident No.: 0013242	200	50	20	60	205
SGK-200-50-60-G25 Ident No.: 0013233	200	50	25	60	205
SGK-250-60-75-G25 Ident No.: 0013321	250	60	25	75	295

**floors****Features:**






- EGK wheels:
- wheel body made of plastic with roller bearing
- tread made of elastic solid rubber, approx 65° shore A, blue wheel color

**Properties:**

- runs quietly
- non-marking
- absorbs vibration
- also available with grey wheels
- (old designation: ER)



***"Super travelling comfort and non-marking"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGK-080-35-40-R12 Ident No.: 0028757	80	35	12	40	100
EGK-100-36-40-R12 Ident No.: 0028013	100	36	12	40	125
EGK-125-36-50-R15 Ident No.: 0028014	125	36	15	50	200
EGK-160-48-60-R20 Ident No.: 0028758	160	48	20	60	300
EGK-200-48-60-R20 Ident No.: 0028759	200	48	20	60	350

Suitable castors can be found on page 127

Matching accessories can be found on page 432



## Features:

- EGK-grey wheels:
- plastic wheel body with roller bearing and ball bearing
- tread made of elastic solid rubber, approx. 65° shore A, grey wheel color






## Properties:

- runs quietly, non-marking
- absorbs vibration
- also available with blue wheel
- (old designation: ER)

## floors



***"Super travelling comfort  
and non-marking"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGK-100-36-44-K12-grey Ident No.: 0034618	100	36	12	44	125
EGK-125-36-51-K08-grey-AM-M8 Ident No.: 0040346	125	36	8	51	250
EGK-125-36-51-K10-grey-AM-M10 Ident No.: 0040345	125	36	10	51	250
EGK-160-48-60-R20-grey Ident No.: 0034574	160	48	20	60	300
EGK-160-48-60-K20-grey Ident No.: 0034962	160	48	20	60	300
EGK-200-50-60-K12-grey Ident No.: 0028369	200	50	12	60	350







**floors****Features:**

- EGS wheels:
- thick-walled steel sheet wheel body with ball bearing
- tread made of elastic solid rubber, approx. 65° shore A

**Properties:**

- high elasticity with low rolling resistance
- excellent travel comfort
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: ETS)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub ø mm	 hub length mm	 load-carrying capacity kg
EGS-160-50-60-K20 Ident No.: 0016322	160	50	20	58	60	350
EGS-200-50-60-K20 Ident No.: 0016323	200	50	20	58	60	450
EGS-200-50-60-K25 Ident No.: 0031947	200	50	25	58	60	450
EGS-200-80-90-K20 Ident No.: 0016324	200	80	20	57	90	600
EGS-250-50-60-K20 Ident No.: 0016325	250	50	20	58	60	550
EGS-250-60-75-K20 Ident No.: 0016326	250	60	20	58	75	600
EGS-250-80-90-K25 Ident No.: 0016328	250	80	25	58	90	750

Suitable castors can be found on page 205

Matching accessories can be found on page 432

### Features:

- EGA wheels: .
- die-cast aluminum wheel body with ball bearing
- tread surface made of elastic solid rubber, black, approx. 65° shore A






### Properties:

- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- also available with grey wheels
- (old designation: F3)

### floors



### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-080-38-40-K12 Ident No.: 0017789	80	38	12	40	120
EGA-100-40-40-K12 Ident No.: 0038446	100	40	12	40	180
EGA-100-40-40-K15 Ident No.: 0016382	100	40	15	40	180
EGA-125-40-50-K20 Ident No.: 0038447	125	40	20	50	200
EGA-150-50-60-K20 Ident No.: 0016386	150	50	20	60	300
EGA-160-50-60-K20 Ident No.: 0038448	160	50	20	60	300
EGA-180-50-60-K20 Ident No.: 0032795	180	50	20	60	400
EGA-180-50-60-K25 Ident No.: 0016396	180	50	25	60	400
EGA-200-50-60-K20 Ident No.: 0037761	200	50	20	60	400
EGA-200-50-60-K25 Ident No.: 0016404	200	50	25	60	400
EGA-250-50-60-K20 Ident No.: 0019001	250	50	20	60	500
EGA-250-50-60-K25 Ident No.: 0037797	250	50	25	60	500
EGA-300-60-60-K30-IB Ident No.: 0036469	300	60	30	60	650

Suitable castors can be found on pages 130, 187, 203

Matching accessories can be found on page 432

**floors****Features:**






- EGA-grey wheels:
- die-cast aluminum wheel body with ball bearing
- tread made of elastic solid rubber, grey, approx. 65° shore A

**Properties:**

- non-marking
- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: F3/BG)



***"Super travelling comfort and non-marking"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-100-40-40-K12-grey Ident No.: 0031039	100	40	12	40	180
EGA-125-40-50-K20-grey Ident No.: 0016385	125	40	20	50	200
EGA-150-50-60-K20-grey Ident No.: 0033826	150	50	20	60	300
EGA-160-50-60-K20-grey Ident No.: 0027771	160	50	20	60	300
EGA-180-50-60-K20-grey Ident No.: 0032736	180	50	20	60	400
EGA-200-50-60-K20-grey Ident No.: 0016399	200	50	20	60	400
EGA-200-50-60-K25-grey Ident No.: 0033022	200	50	25	60	400
EGA-250-50-60-K25-grey Ident No.: 0029675	250	50	25	60	500

**Suitable castors can be found on page 133**

**Matching accessories can be found on page 432**



## Features:

- EGG ball bearing wheels:
- high-quality elastic solid rubber tires on cast iron rims
- (for small series and large wheel diameter with steel rim)
- tires: 65° shore A
- bearing type: 2 pressed-in ball bearings

## Properties:

- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: ET series)






## floors



**"Please request the minimum order quantity"**

wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
EGG-125-50-60-K20 Ident No.: 0016099	125	50	20	60	225
EGG-150-50-60-K20 Ident No.: 0016100	150	50	20	60	250
EGG-160-50-60-K20 Ident No.: 0016101	160	50	20	60	300
EGG-180-50-60-K20 Ident No.: 0016103	180	50	20	60	325
EGG-200-50-60-K20 Ident No.: 0016107	200	50	20	60	350
EGG-200-50-60-K25 Ident No.: 0016109	200	50	25	60	350
EGG-200-75-90-K25 Ident No.: 0016110	200	75	25	90	500
EGG-200-80-80-K25 Ident No.: 0033600	200	80	25	80	550
EGG-230-50-60-K30 Ident No.: 0016120	230	50	30	60	400
EGG-250-50-60-K25 Ident No.: 0016124	250	50	25	60	450
EGG-250-60-60-K25 Ident No.: 0016125	250	60	25	60	525
EGG-250-80-80-K30 Ident No.: 0038485	250	80	30	80	700
EGG-250-80-85-K30 Ident No.: 0016128	250	80	30	85	675
EGG-250-100-100-K25 Ident No.: 0036139	250	100	25	100	1.350
EGG-280-75-85-K30 Ident No.: 0016235	280	75	30	85	725
EGG-300-75-90-K30 Ident No.: 0016243	300	75	30	90	750



					
wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
EGG-300-75-90-K35 Ident No.: 0016244	300	75	35	90	750
EGG-300-85-90-K30 Ident No.: 0016246	300	85	30	90	675
EGG-360-60-65-K35 Ident No.: 0032385	360	60	35	65	750
EGG-360-60-75-K30 Ident No.: 0016251	360	60	30	75	750
EGG-360-75-85-K30 Ident No.: 0016252	360	75	30	85	950
EGG-360-75-85-K35 Ident No.: 0016253	360	75	35	85	950
EGG-400-75-90-K35 Ident No.: 0016261	400	75	35	90	1,000
EGG-405-130-140-K40 Ident No.: 0016263	405	130	40	140	1,500
EGG-405-130-140-K50 Ident No.: 0016262	405	130	50	140	1,500
EGG-415-90-75-K30 Ident No.: 0038970	415	90	30	75	1,000
EGG-415-100-120-K40 Ident No.: 0016265	415	100	40	120	1,250
EGG-425-150-160-K40 Ident No.: 0016269	425	150	40	160	1,800
EGG-500-85-90-K40 Ident No.: 0016274	500	85	40	90	1,300
EGG-520-100-120-K40 Ident No.: 0016276	520	100	40	120	1,525
EGG-610-150-160-K50 Ident No.: 0016281	610	150	50	160	2,250



# Thermoplastic material can be used instead of rubber

Thermoplastic (TPE) has a higher load capacity than rubber. These grey tires minimize the impact on your floors, providing a comfortable ride without leaving traces. Some contact discoloration may result from the oil-bearing material when the tires are left motionless for longer periods on sensitive floors.

## Properties

- run quietly
- without leaving a mark or trace
- higher load-carrying capacity than rubber
- impact-resistant
- low rolling resistance



## Shore hardness

approx. 85° Shore A

## Temperature range

thermoplastic can be used from -20° C to +60° C

the load-carry capacity is reduced at temperatures above +30° C

## Bearing types

- plain bearing (through hole)
- ball bearing

## areas of use // floors





## Features:

- TPBK wheels:
- polypropylene wheel body with ball bearing
- temperature resistance: -20° C to 60° C
- grey thermoplastic rubber tread, approx. 85° shore A
- with thread guards to protect the ball bearing from dust and dirt

## Properties:






- runs quietly
- non-marking
- low rolling resistance
- (old designation: KO and TPK)

## floors



*"This smooth-running series is innovative and affordable"*

## wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-050-19-23-K06 Ident-Nr.: 0017259	50	19	6	22,5	40
TPBK-075-23-29-K06 Ident-Nr.: 0017262	75	23	6	29	50
TPBK-080-31-37-K08 Ident-Nr.: 0025266	80	31	8	36,5	70
TPBK-080-30-40-K08 Ident-Nr.: 0021572	80	30	8	40	80
TPBK-100-26-30-K08 Ident-Nr.: 0017265	100	26	8	30	65
TPBK-100-31-37-K08 Ident-Nr.: 0025268	100	31	8	36,5	80
TPBK-100-30-40-K08 Ident-Nr.: 0021573	100	30	8	40	90
TPBK-125-31-37-K08 Ident-Nr.: 0025270	125	31	8	36,5	100
TPBK-125-35-50-K08 Ident-Nr.: 0028530	125	35	8	50	110
TPBK-160-40-60-K12 Ident-Nr.: 0026621	160	40	12	60	180
TPBK-200-47-60-K12 Ident-Nr.: 0026622	200	47	12	60	220

Suitable castors can be found on page 136

Matching accessories can be found on page 432

## floors



## Features:






- TPKH wheels:
- polypropylene wheel body with 2 ball bearings
- tread made of thermoplastic rubber, grey, approx. 85° shore A

## Properties:

- Runs quietly, non-marking
- higher load-carrying capacity than standard rubber
- minimal rolling resistance, shock-resistant
- (old designation: THKS)



***“Heavy-duty design with two ball bearings”***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPKH-080-35-40-K12 Ident No.: 0014307	80	35	12	40	120
TPKH-100-35-40-K12 Ident No.: 0014308	100	35	12	40	150
TPKH-125-40-50-K15 Ident No.: 0014309	125	40	15	50	200
TPKH-150-45-60-K20 Ident No.: 0014310	150	45	20	60	260
TPKH-160-45-60-K20 Ident No.: 0014311	160	45	20	60	260
TPKH-200-50-60-K20 Ident No.: 0014312	200	50	20	60	350
TPKH-250-60-75-K25 Ident No.: 0016967	250	60	25	75	450

Suitable castors can be found on pages 139, 140, 189, 287

Matching accessories can be found on page 432



# Polyurethane wheels for medium- to heavy-duty requirements

The material polyurethane (PU) has a high load capacity with low abrasion. It also features high chemical resistance. These properties make polyurethane suitable for almost any application.

## Properties

- ☞ high load capacity
- ☞ without leaving a mark or trace
- ☞ low abrasion
- ☞ impact-resistant
- ☞ low rolling resistance
- ☞ excellent chemical resistance
- ☞ resistant to oil and grease
- ☞ resistant to cutting by metal chips



## Shore hardness

approx. 50° Shore A up to approx. 98° Shore A

## Temperature range

polyurethane can be used from -20° C to +80° C

the load-carry capacity is reduced at temperatures above +30° C

## Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove

## areas of use // floors







smooth-running series

## Features:

- PUBK wheels:
- polyamide 6 wheel body with ball bearing
- polyurethane tread, approx. 95° shore A
- with thread guards to protect the ball bearing from dust and dirt

## Properties:

- high load capacity
- low abrasion, non-marking, low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PSK)



**"Affordable smooth-running series for heavier loads"**

## floors



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PUBK-080-30-40-K08 Ident No.: 0021578	80	30	8	40	100
PUBK-100-30-40-K08 Ident No.: 0021579	100	30	8	40	150
PUBK-125-35-50-K08 Ident No.: 0028532	125	35	8	50	200
PUBK-160-40-60-K12 Ident No.: 0026625	160	40	12	60	250
PUBK-200-50-60-K12 Ident No.: 0026626	200	50	12	60	300

Suitable castors can be found on pages 143, 272

Matching accessories can be found on page 432

**floors****Features:**






- PUZK wheels:
- polyamide 6 wheel body with ball bearing
- tread made of polyurethane, approx. 95° shore A

**Properties:**

- high load capacity
- low abrasion, non-marking
- shock-resistant, low rolling resistance
- resistant to oil and grease
- excellent chemical resistance
- resistant to cutting by metal chips
- (old designation: PUSKS)



***"Versatile, affordable and optimally designed"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZK-080-35-40-K12 Ident No.: 0015450	80	35	12	40	150
PUZK-100-35-40-K12 Ident No.: 0015451	100	35	12	40	200
PUZK-125-40-50-K15 Ident No.: 0015452	125	40	15	50	250
PUZK-150-45-60-K20 Ident No.: 0015453	150	45	20	60	380
PUZK-160-45-60-K20 Ident No.: 0015454	160	45	20	60	400
PUZK-160-45-60-K25 Ident No.: 0032410	160	45	25	60	380
PUZK-200-50-60-K20 Ident No.: 0015455	200	50	20	60	500
PUZK-200-50-60-K25 Ident No.: 0032982	200	50	25	60	500
PUZK-250-60-75-K25 Ident No.: 0016975	250	60	25	75	700

Suitable castors can be found on pages 146, 161, 191, 289

Matching accessories can be found on page 432



## Features:

- PUZA wheels:
- die-cast aluminum wheel body with ball bearing
- tread made of molded polyurethane, approx. 92° shore A
- cylindrical tread






## Properties:

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PA)



## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZA-080-36-40-K12 Ident No.: 0022513	80	36	12	40	180
PUZA-100-40-40-K12 Ident No.: 0038440	100	40	12	40	280
PUZA-125-40-50-K20 Ident No.: 0038441	125	40	20	50	350
PUZA-150-50-60-K20 Ident No.: 0031297	150	50	20	60	500
PUZA-160-50-60-K20 Ident No.: 0038442	160	50	20	60	500
PUZA-160-50-60-K25 Ident No.: 0036202	160	50	25	60	500
PUZA-180-50-60-K20 Ident No.: 0031726	180	50	20	60	600
PUZA-180-50-60-K25 Ident No.: 0022523	180	50	25	60	600
PUZA-200-50-60-K20 Ident No.: 0038443	200	50	20	60	700
PUZA-200-50-60-K25 Ident No.: 0022527	200	50	25	60	700
PUZA-250-50-60-K25 Ident No.: 0017896	250	50	25	60	800
PUZA-250-60-60-K25 Ident No.: 0013016	250	60	25	60	800

Suitable castors can be found on pages 193, 207






**floors****Features:**

- PUZG plain bearing wheels:
- wheel body made of special grey cast iron with plain bearing
- tread made of polyurethane, molded, approx. 95° shore A, strong hub with core hole

**Properties:**

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: series 4)

***“Strong hub with core hole”***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZG-080-36-36-G15 Ident No.: 0038580	80	36	15	36	250
PUZG-100-30-36-G15 Ident No.: 0011978	100	30	15	36	250
PUZG-125-35-47-G15 Ident No.: 0011982	125	35	15	47	330
PUZG-150-40-47-G20 Ident No.: 0011987	150	40	20	47	500
PUZG-160-40-59-G20 Ident No.: 0035342	160	40	20	59	750
PUZG-200-50-52-G20 Ident No.: 0011993	200	50	20	52	1,000
PUZG-250-50-65-G25 Ident No.: 0011999	250	50	25	65	1,400
PUZG-250-60-65-G25 Ident No.: 0012010	250	60	25	65	1,400
PUZG-300-70-70-G25 Ident No.: 0012017	300	70	25	70	2,100
PUZG-300-100-100-G45 Ident No.: 0030732	300	100	45	100	2.500



### Features:

- PUZG wheels:
- wheel body made of special grey cast iron with ball bearing
- tread made of molded polyurethane, approx. 95° shore A






### Properties:

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: series 4)






### floors








### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZG-080-36-36-K15 Ident No.: 0011972	80	36	15	36	250
PUZG-100-30-36-K15 Ident No.: 0011975	100	30	15	36	250
PUZG-100-40-40-K15 Ident No.: 0033355	100	40	15	40	350
PUZG-100-40-45-K20 Ident No.: 0037450	100	40	20	45	350
PUZG-100-40-47-K15 Ident No.: 0011979	100	40	15	47	350
PUZG-100-40-47-K20 Ident No.: 0011977	100	40	20	47	350
PUZG-100-50-60-K20 Ident No.: 0015910	100	50	20	60	450
PUZG-125-35-47-K15 Ident No.: 0011980	125	35	15	47	300
PUZG-125-40-47-K15 Ident No.: 0011983	125	40	15	47	350
PUZG-125-40-50-K20 Ident No.: 0032321	125	40	20	50	360
PUZG-125-50-50-K20 Ident No.: 0037349	125	50	20	50	400
PUZG-125-50-60-K20 Ident No.: 0038444	125	50	20	60	550
PUZG-150-40-40-K20 Ident No.: 0011986	150	40	20	40	700
PUZG-150-40-47-K20 Ident No.: 0011984	150	40	20	47	500
PUZG-150-50-50-K25 Ident No.: 0011989	150	50	25	50	700
PUZG-150-50-60-K20 Ident No.: 0039227	150	50	20	60	700

Suitable castors can be found on pages 210, 231, 232, 243

wheels	    				
	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PUZG-150-50-60-K25 Ident No.: 0017883	150	50	25	60	700
PUZG-150-60-65-K25 Ident No.: 0011988	150	60	25	65	930
PUZG-160-40-58-K20 Ident No.: 0036892	160	40	20	58	700
PUZG-160-50-50-K30 Ident No.: 0037451	160	50	30	50	800
PUZG-160-50-60-K20 Ident No.: 0038291	160	50	20	60	800
PUZG-175-40-52-K20 Ident No.: 0034537	175	40	20	52	720
PUZG-200-50-50-K25 Ident No.: 0030961	200	50	25	50	900
PUZG-200-50-52-K30 Ident No.: 0031655	200	50	30	52	1,000
PUZG-200-50-60-K25 Ident No.: 0037762	200	50	25	60	1,000
PUZG-200-50-60-K30 Ident No.: 0037162	200	50	30	60	1,000
PUZG-200-60-65-K25 Ident No.: 0011996	200	60	25	65	1,200
PUZG-200-80-80-K30 Ident No.: 0032256	200	80	30	80	1,500
PUZG-200-80-80-K35 Ident No.: 0011997	200	80	35	80	1,500
PUZG-225-50-50-K25 Ident No.: 0036084	225	50	25	50	1,000
PUZG-250-50-60-K25 Ident No.: 0038445	250	50	25	60	1,200
PUZG-250-50-60-K30 Ident No.: 0033351	250	50	30	60	1,200
PUZG-250-60-60-K30 Ident No.: 0038221	250	60	30	60	1,400
PUZG-250-60-60-K25 Ident No.: 0039228	250	60	25	60	1,400
PUZG-250-60-65-K25 Ident No.: 0039229	250	60	25	65	1,400
PUZG-250-80-80-K30 Ident No.: 0032287	250	80	30	80	1,800
PUZG-250-80-80-K35 Ident No.: 0039230	250	80	35	80	1,800
PUZG-250-80-90-K30 Ident No.: 0039200	250	80	30	90	1,800
PUZG-250-100-85-K30 Ident No.: 0027527	250	100	30	85	1,800
PUZG-250-100-100-K35 Ident No.: 0012014	250	100	35	100	2,200
PUZG-300-70-70-K30 Ident No.: 0012019	300	70	30	70	2,200
PUZG-300-80-80-K30 Ident No.: 0012995	300	80	30	80	2,200
PUZG-300-80-80-K35 Ident No.: 0012016	300	80	35	80	2,200
PUZG-300-100-100-K35 Ident No.: 0031516	300	100	35	100	3,000

					
wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PUZG-300-100-100-K40 Ident No.: 0012020	300	100	40	100	3,000
PUZG-350-100-100-K40 Ident No.: 0036543	350	100	40	100	3,500
PUZG-350-100-100-K50 Ident No.: 0012021	350	100	50	100	3,500
PUZG-400-60-75-K35 Ident No.: 0040417	400	60	35	75	2,300
PUZG-400-80-80-K40 Ident No.: 0036649	400	80	40	80	3,300
PUZG-400-80-85-K40 Ident No.: 0039746	400	80	40	85	3,300
PUZG-400-80-90-K40 Ident No.: 0036988	400	80	40	90	3,300
PUZG-400-100-100-K40 Ident No.: 0032566	400	100	40	100	3,800
PUZG-400-100-100-K45 Ident No.: 0031204	400	100	45	100	3,800
PUZG-400-100-100-K50 Ident No.: 0012022	400	100	50	100	3,800
PUZG-400-100-100-K60 Ident No.: 0031206	400	100	60	100	3,500
PUZG-450-100-100-K50 Ident No.: 0032981	450	100	50	100	4,000
PUZG-500-100-100-K50 Ident No.: 0012023	500	100	50	100	4,500



## floors



## Features:






- EPUK wheels:
- wheel body made of polyamide 6 with 2 ball bearings
- tread made of elastic polyurethane, approx. 80° shore A, rounded edges

## Properties:

- runs quietly
- non-marking, low abrasion
- impact-resistant, shock-proof
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- (old designation: PUKS)



*"Improved travel comfort thanks to elastic tread surface"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUK-080-35-40-K12 Ident No.: 0014301	80	35	12	40	130
EPUK-100-35-40-K12 Ident No.: 0014302	100	35	12	40	180
EPUK-125-40-50-K15 Ident No.: 0014303	125	40	15	50	200
EPUK-150-45-60-K20 Ident No.: 0014304	150	45	20	60	250
EPUK-160-45-60-K20 Ident No.: 0014305	160	45	20	60	300
EPUK-200-48-60-K20 Ident No.: 0014306	200	48	20	60	450
EPUK-250-60-75-K25 Ident No.: 0016971	250	60	25	75	500

Suitable castors can be found on pages 149, 150, 291

Matching accessories can be found on page 432



### Features:

- EPUA wheels:
- die-cast aluminum wheel body with ball bearing
- tread surface made of molded polyurethane, 78° shore A






### Properties:

- high load capacity
- low rolling resistance
- non-marking, runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: EPA)

### floors



*"Moves heavy weights elastically"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUA-100-30-40-K12 Ident No.: 0016059	100	30	12	40	200
EPUA-125-40-40-K15 Ident No.: 0016060	125	40	15	40	300
EPUA-150-40-50-K20 Ident No.: 0016061	150	40	20	50	350
EPUA-160-50-60-K20 Ident No.: 0016063	160	50	20	60	500
EPUA-160-50-60-K25 Ident No.: 0030941	160	50	25	60	500
EPUA-180-50-60-K20 Ident No.: 0016064	180	50	20	60	500
EPUA-180-50-60-K25 Ident No.: 0029219	180	50	25	60	500
EPUA-200-50-60-K20 Ident No.: 0016065	200	50	20	60	700
EPUA-200-50-60-K25 Ident No.: 0032845	200	50	25	60	700
EPUA-250-50-60-K20 Ident No.: 0037935	250	50	20	60	900

Suitable castors can be found on pages 195, 213, 214

Matching accessories can be found on page 432

## floors



## Features:






- EPUG wheels:
- wheel body made of special grey cast iron with ball bearing
- treads made of elastic polyurethane, approx. 78° shore A, with very strong polyurethane cushion

## Properties:

- high load capacity
- low rolling resistance
- non-marking
- runs quietly
- sturdy, shock-resistant, moderates vibration
- (old designation: 7/...)



***"Ensures outstanding travel comfort"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUG-100-40-50-K20 Ident No.: 0013796	100	40	20	50	300
EPUG-125-40-50-K20 Ident No.: 0033157	125	40	20	50	310
EPUG-125-50-60-K20 Ident No.: 0013797	125	50	20	60	400
EPUG-140-50-55-K20 Ident No.: 0013798	140	50	20	55	450
EPUG-150-50-60-K20 Ident No.: 0013799	150	50	20	60	450
EPUG-200-50-60-K25 Ident No.: 0013800	200	50	25	60	650
EPUG-250-50-60-K25 Ident No.: 0033290	250	50	25	60	800
EPUG-250-50-60-K30 Ident No.: 0013801	250	50	30	60	800
EPUG-250-80-85-K25 Ident No.: 0013802	250	80	25	85	950
EPUG-250-80-85-K30 Ident No.: 0010541	250	80	30	85	950
EPUG-300-75-75-K30 Ident No.: 0013803	300	75	30	75	1,250
EPUG-300-75-75-K35 Ident No.: 0037615	300	75	35	75	1,250

**Suitable castors can be found on page 235**

**Matching accessories can be found on page 432**



### Features:


- GPSK wheels:
- plastic wheel center with ball and roller bearings
- tread made of expanded (foam) polyurethane
- the alternative to pneumatic tires

### Properties:

- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- (old designation: PSR)

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GPSK-100-30-37-K08 Ident No.: 0022714	100	30	8	37	60
GPSK-125-30-34-K08 Ident No.: 0022715	125	30	8	34	75
GPSK-150-30-50-K08 Ident No.: 0036949	150	30	8	50	75
GPSK-175-30-60-K08 Ident No.: 0022717	175	30	8	60	75
GPSK-200-50-60-K08 Ident No.: 0036950	200	50	8	60	100
GPVK-245-85-75-R20 Ident No.: 0037214	245	85	20	75	125
GPSK-260-85-75-R20 Ident No.: 0022720	260	85	20	75	200
GPVK-400-90-100-G13-black Ident No.: 0034298	400	90	12.7	100	200

Suitable castors can be found on pages 152, 155

## floors



## Features:







- GPVS (PU/R) wheel series with steel rims:
- made of EVA copolymer with roller bearings or ball bearings
- the good travel comfort of pneumatic tires combined with the puncture resistance of solid rubber wheels
- color black

## Properties:

- low weight
- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- (old designation: PU/R)

in stock



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub ø mm	 hub length mm	 load-carrying capacity kg
GPVS-400-90-75-R25 Ident No.: 0037262	400	90	25	50	75	200
GPVS-400-90-75-K25 Ident No.: 0037680	400	90	25	50	75	200

Suitable castors can be found on page 152

Matching accessories can be found on page 432



## Wheels and castors with **pneumatic tires**

Air-filled tires made of rubber provide excellent comfort, especially when rolling over uneven floor surfaces. Our pneumatic tires can be customized according to their wheel diameter, profile types, wheel bodies and cover thickness so that they are suitable for a wide range of different applications.

### Properties

- ☞ minimal impact on floor
- ☞ absorbs vibration
- ☞ low rolling resistance on uneven floors
- ☞ available as a non-marking type



### Note

the specified air pressure (bar) values must be followed and checked regularly

### Temperature range

pneumatic tires can be used from -25° C to +50° C

### Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ roller bearing

### areas of use // floors





## pneumatic tires // LRK-roller bearing



### Features:

- LRK-Roller Bearing wheels:
- plastic rim with roller bearing

### Properties:





- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: KR)

### Note:






The specified air pressure (bar) values must be followed and checked regularly.

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	tread thickness ply	tire pressure bar	ceiling profile	load capacity kg
LRK1-185-45-60-R20-grey Ident No.: 0027688	185	45	20	60	7 x 1 3/4	2-layer	2.5	rib	50
LRK1-200-50-60-R20-grey-black Ident No.: 0019716	200	50	20	60	8 x 2	2-layer	2.5	rib	75
LRK1-200-50-60-R20-black Ident No.: 0017295	200	50	20	60	8 x 2	2-layer	2.5	rib	75
LRK1-230-65-50-R20 Ident No.: 0017306	230	65	20	50	2.50-4	2-layer	2.5	rib	130
LRK3-230-65-50-R20 Ident No.: 0017307	230	65	20	50	2.50-4	2-layer	2.5	military	130
LRK1-230-65-60-R20 Ident No.: 0017308	230	65	20	60	2.50-4	2-layer	2.5	rib	130
LRK3-230-65-60-R20 Ident No.: 0017309	230	65	20	60	2.50-4	2-layer	2.5	country	130
LRK1-230-65-75-R20 Ident No.: 0017310	230	65	20	75	2.50-4	2-layer	2.5	rib	130
LRK3-230-65-75-R20 Ident No.: 0017313	230	65	20	75	2.50-4	2-layer	2.5	military	130
LRK1-260-85-50-R20 Ident No.: 0017336	260	85	20	50	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-50-R20 Ident No.: 0017337	260	85	20	50	3.00-4	2-layer	2.5	country	200
LRK1-260-85-60-R20 Ident No.: 0017338	260	85	20	60	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-60-R20 Ident No.: 0017339	260	85	20	60	3.00-4	2-layer	2.5	country	200
LRK1-260-85-75-R20 Ident No.: 0017341	260	85	20	75	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-75-R20 Ident No.: 0017342	260	85	20	75	3.00-4	2-layer	2.5	country	200

Suitable castors can be found on page 152

									
wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	dimension	tread thickness ply	tire pressure bar	ceiling profile	load capacity kg
LRK2-260-85-75-R20-PR4-grey Ident No.: 0017592	260	85	20	75	3.00-4	4-layer	2.5	country	200
LRK2-260-85-75-R20-PR4 Ident No.: 0017344	260	85	20	75	3.00-4	4-layer	2.5	country	200
LRK1-260-85-88-R20 Ident No.: 0017346	260	85	20	88	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-88-R20 Ident No.: 0017347	260	85	20	88	3.00-4	2-layer	2.5	country	200
LRK1-260-85-75-R25 Ident No.: 0017355	260	85	25	75	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-75-R25 Ident No.: 0017356	260	85	25	75	3.00-4	2-layer	2.5	country	200
LRK4-300-100-75-R20-PR4 Ident No.: 0017366	300	100	20	75	4.00-4	4-layer	2.5	rib	250
LRK4-300-100-75-R25-PR4 Ident No.: 0017369	300	100	25	75	4.00-4	4-layer	2.5	rib	200
LRK1-400-100-75-R20 Ident No.: 0017380	400	100	20	75	15 3/4 x 4	2-layer	2.5	rib	250
LRK2-400-100-75-R20 Ident No.: 0017381	400	100	20	75	15 3/4 x 4	2-layer	2.5	country	250
LRK1-400-100-75-R25 Ident No.: 0017390	400	100	25	75	15 3/4 x 4	2-layer	2.5	rib	250
LRK2-400-100-75-R25 Ident No.: 0017391	400	100	25	75	15 3/4 x 4	2-layer	2.5	country	250
LRK1-400-100-88-R20 Ident No.: 0017382	400	100	20	88	15 3/4 x 4	2-layer	2.5	rib	250

## pneumatic tires // LRK-ball bearing



### Features:

- LRK-Ball Bearing wheels:
- plastic rim with ball bearing

### Properties:






- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: KR)

### Note:






The specified air pressure (bar) values must be followed and checked regularly.

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
LRK1-150-30-36-K08-grey Ident No.: 0017278	150	30	8	36	6 x 1 1/4	2-layer	2.5	rib	50
LRK1-200-50-60-K08-grey Ident No.: 0017282	200	50	8	60	8 x 2	2-layer	2.5	rib	75
LRK1-200-50-40-K12 Ident No.: 0017284	200	50	12	40	8 x 2	2-layer	2.5	rib	75
LRK2-200-50-40-K15 Ident No.: 0032713	200	50	15	40	8 x 2	2-layer	2.5	rib	75
LRK1-230-65-75-K20 Ident No.: 0017304	230	65	20	75	2.50-4	2-layer	2.5	rib	130
LRK3-230-65-75-K20 Ident No.: 0017305	230	65	20	75	2.50-4	2-layer	2.5	military	130
LRK1-260-85-75-K20 Ident No.: 0017332	260	85	20	75	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-75-K20 Ident No.: 0017333	260	85	20	75	3.00-4	2-layer	2.5	country	200
LRK1-260-85-75-K25 Ident No.: 0017351	260	85	25	75	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-75-K25 Ident No.: 0017352	260	85	25	75	3.00-4	2-layer	2.5	country	200
LRK4-300-100-75-K20-PR4 Ident No.: 0035036	300	100	20	75	4.00-4	4-layer	2.5	rib	200
LRK4-300-100-75-K25-PR4 Ident No.: 0017368	300	100	25	75	4.00-4	4-layer	2.5	rib	200
LRK1-310-50-54-K12-grey Ident No.: 0017363	310	50	12	54	12 1/2 x 2 1/4	2-layer	2.5	rib	75
LRK1-400-100-75-K20 Ident No.: 0017378	400	100	20	75	3.00-4	2-layer	2.5	rib	200
LRK2-400-100-75-K20 Ident No.: 0017379	400	100	20	75	15 2/4 x 4	2-layer	2.5	country	250

Suitable castors can be found on page 152

									
wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	load-carrying capacity kg
LRK1-400-100-75-K25 Ident No.: 0017386	400	100	25	75	15 3/4 x 4	2-layer	2.5	rib	250
LRK2-400-100-75-K25 Ident No.: 0017387	400	100	25	75	15 3/4 x 4	2-layer	2.5	country	250
LRK1-400-100-75-K25-PR4 Ident No.: 0031148	400	100	25	75	4.00-8	4-layer	2.5	rib	200

## pneumatic tires // LRK-plain bore



inexpensive

### Features:

- LRK-plain bearing wheels:
- plastic rim with plain bore

### Properties:






- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: KR)





### Note:

The specified air pressure (bar) values must be followed and checked regularly.

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
LRK1-185-45-48-G20-grey Ident No.: 0024218	185	45	20	48	7 x 1 3/4	2-layer	2.5	rib	50
LRK1-185-45-58-G20-grey Ident No.: 0035627	185	45	20	58	7 x 1 3/4	2-layer	2.5	rib	50
LRK1-200-50-48-G20 Ident No.: 0017289	200	50	20	48	8 x 2	2-layer	2.5	rib	75
LRK1-200-50-48-G20-PR4-grey Ident No.: 0034754	200	50	20	48	8 x 2	4-layer	2.5	rib	75
LRK1-200-50-58-G20 Ident No.: 0034223	200	50	20	58	8 x 2	2-layer	2.5	rib	75
LRK1-200-50-58-G20-black Ident No.: 0017292	200	50	20	58	8 x 2	2-layer	2.5	rib	75
LRK1-200-50-58-G20-grey Ident No.: 0017293	200	50	20	58	8 x 2	2-layer	2.5	rib	75
LRK1-230-65-50-G20 Ident No.: 0017299	230	65	20	50	2.50-4	2-layer	2.5	rib	130
LRK3-230-65-50-G20 Ident No.: 0017301	230	65	20	50	2.50-4	2-layer	2.5	military	130
LRK1-230-65-75-G20 Ident No.: 0017302	230	65	20	75	2.50-4	2-layer	2.5	rib	130
LRK3-230-65-75-G20 Ident No.: 0017303	230	65	20	75	2.50-4	2-layer	2.5	military	130
LRK1-260-85-50-G20 Ident No.: 0017319	260	85	20	50	3.00-4	2-layer	2.5	rib	200
LRK1-260-85-50-G20-grey Ident No.: 0017320	260	85	20	50	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-50-G20 Ident No.: 0017321	260	85	20	50	3.00-4	2-layer	2.5	country	200
LRK2-260-85-50-G20-ANL Ident No.: 0017322	260	85	20	50	3.00-4	2-layer	2.5	country	200

wheels					dimension	ceiling thickness ply	tire pressure bar	ceiling profile	load-carrying capacity kg
	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm					
LRK2-260-85-50-G20-grey Ident No.: 0020335	260	85	20	50	3.00-4	2-layer	2.5	country	200
LRK1-260-85-75-G12 Ident No.: 0017315	260	85	12	75	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-75-G12 Ident No.: 0017316	260	85	12	75	3.00-4	2-layer	2.5	country	200
LRK1-260-85-75-G20 Ident No.: 0017324	260	85	20	75	3.00-4	2-layer	2.5	rib	200
LRK1-260-85-75-G20-PR4 Ident No.: 0033515	260	85	20	75	3.00-4	4-layer	2.5	rib	200
LRK2-260-85-75-G20 Ident No.: 0017325	260	85	20	75	3.00-4	2-layer	2.5	country	200
LRK2-260-85-75-G20-black Ident No.: 0017326	260	85	20	75	3.00-4	2-layer	2.5	country	200
LRK2-260-85-75-G20-PR4 Ident No.: 0017327	260	85	20	75	3.00-4	4-layer	2.5	country	200
LRK1-260-85-75-G25 Ident No.: 0017348	260	85	25	75	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-75-G25 Ident No.: 0017349	260	85	25	75	3.00-4	2-layer	2.5	country	200
LRK1-260-85-88-G20 Ident No.: 0017328	260	85	20	88	3.00-4	2-layer	2.5	rib	200
LRK2-260-85-88-G20 Ident No.: 0017329	260	85	20	88	3.00-4	2-layer	2.5	country	200
LRK1-260-85-88-G20-black Ident No.: 0031667	260	85	20	88	3.00-4	2-layer	2.5	rib	200
LRK1-300-100-75-G20-PR4 Ident No.: 0017365	300	100	20	75	4.00-4	4-layer	2.5	rib	200
LRK4-300-100-75-G25-PR4-black Ident No.: 0016641	300	100	25	75	4.00-4	4-layer	2.5	rib	200
LRK4-300-100-75-G25-PR4-ANL Ident No.: 0017367	300	100	25	75	4.00-4	4-layer	2.5	rib	200
LRK4-300-100-75-G25-PR4 Ident No.: 0017370	300	100	25	75	4.00-4	4-layer	2.5	rib	200
LRK1-310-50-56-G20 Ident No.: 0017364	310	50	20	56	12 1/2 x 2 1/4	2-layer	2.5	rib	75
LRK1-400-100-75-G20 Ident No.: 0017375	400	100	20	75	15 3/4 x 4	2-layer	2.5	rib	250
LRK1-400-100-75-G25 Ident No.: 0017384	400	100	25	75	15 3/4 x 4	2-layer	2.5	rib	250
LRK1-400-100-75-G25-PR4 Ident No.: 0031325	400	100	25	75	15 3/4 x 4	4-layer	2.5	rib	250
LRK2-400-100-75-G20 Ident No.: 0018001	400	100	20	75	15 3/4 x 4	2-layer	2.5	country	250
LRK1-400-100-88-G20 Ident No.: 0017376	400	100	20	88	15 3/4 x 4	2-layer	2.5	rib	250
LRK2-400-100-88-G20 Ident No.: 0017377	400	100	20	88	15 3/4 x 4	2-layer	2.5	country	250
LRK1-400-100-100-G25 Ident No.: 0017383	400	100	25	100	15 3/4 x 4	2-layer	2.5	rib	250

Matching accessories can be found on page 432

## pneumatic tires // LRS-ball bearing



### Features:

- LRS-Ball Bearing wheels:
- steel center rim with ball bearing

### Properties:






- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: R)

### Note:

The specified air pressure (bar) values must be followed and checked regularly.






### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
LRS1-185-45-50-K20-grey Ident No.: 0024212	185	45	20	50	7 x 1 3/4	2-layer	2.5	rib	50
LRS1-200-50-50-K15-grey Ident No.: 0022840	200	50	15	50	8 x 2	2-layer	2.5	rib	75
LRS1-200-50-50-K20 Ident No.: 0022841	200	50	20	50	8 x 2	2-layer	2.5	rib	75
LRS1-200-50-50-K20-grey Ident No.: 0028170	200	50	20	50	8 x 2	2-layer	2.5	rib	75
LRS1-260-85-50-K20 Ident No.: 0022858	260	85	20	50	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-50-K20 Ident No.: 0022859	260	85	20	50	3.00-4	2-layer	2.5	country	200
LRS1-260-85-75-K20 Ident No.: 0022860	260	85	20	75	3.00-4	2-layer	2.5	rib	200
LRS1-260-85-75-K20-PR4 Ident No.: 0022861	260	85	20	75	3.00-4	4-layer	2.5	rib	200
LRS2-260-85-75-K20 Ident No.: 0022862	260	85	20	75	3.00-4	2-layer	2.5	country	200
LRS2-260-85-75-K20-PR4 Ident No.: 0012996	260	85	20	75	3.00-4	4-layer	2.5	country	200
LRS1-310-50-60-K20 Ident No.: 0033287	310	50	20	60	12 1/2 x 2 1/4	2-layer	2.5	rib	70
LRS1-400-100-75-K25 Ident No.: 0022915	400	100	25	75	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-75-K25-PR4 Ident No.: 0022916	400	100	25	75	15 3/4 x 4	4-layer	2	rib	250
LRS2-400-100-75-K25 Ident No.: 0022917	400	100	25	75	15 3/4 x 4	2-layer	2	country	250
LRS2-400-100-75-K25-PR4 Ident No.: 0022918	400	100	25	75	15 3/4 x 4	4-layer	2	country	250

Suitable castors can be found on page 153



									
wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	load-carrying capacity kg
LRS1-400-100-90-K25 Ident No.: 0010561	400	100	25	90	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-90-K25-PR4 Ident No.: 0010562	400	100	25	90	15 3/4 x 4	4-layer	2	rib	250
LRS2-400-100-90-K25 Ident No.: 0010563	400	100	25	90	15 3/4 x 4	2-layer	2	country	250
LRS2-400-100-90-K25-PR4 Ident No.: 0010564	400	100	25	90	15 3/4 x 4	4-layer	2	country	250
LRS4-410-170-90-K25-PR4 Ident No.: 0022836	410	170	25	90	15 3/4 x 7	4-layer	2	rib	280

## pneumatic tires // LRS-roller bearing



### Features:

- LRS-Roller Bearing wheels:
- steel center rim with roller bearing

### Properties:






- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: R)

### Note:






The specified air pressure (bar) values must be followed and checked regularly.

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
LRS1-185-45-50-R20-grey Ident No.: 0024213	185	45	20	50	7 x 1 3/4	2-layer	2.5	rib	50
LRS1-185-45-60-R20-grey Ident No.: 0024214	185	45	20	60	7 x 1 3/4	2-layer	2.5	rib	50
LRS1-200-50-50-R20 Ident No.: 0022842	200	50	20	50	8 x 2	2-layer	2.5	rib	75
LRS1-200-50-50-R20-PR4-grey Ident No.: 0022844	200	50	20	50	8 x 2	4-layer	2.5	rib	75
LRS1-200-50-60-R20 Ident No.: 0022845	200	50	20	60	8 x 2	2-layer	2.5	rib	75
LRS1-200-50-60-R20-PR4-grey Ident No.: 0022846	200	50	20	60	8 x 2	4-layer	2.5	rib	75
LRS1-230-65-75-R20 Ident No.: 0022851	230	65	20	75	2.50-4	2-layer	2.5	rib	130
LRS3-230-65-75-R20 Ident No.: 0022852	230	65	20	75	2.50-4	2-layer	2.5	country	130
LRS1-260-85-50-R20 Ident No.: 0022865	260	85	20	50	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-50-R20 Ident No.: 0022866	260	85	20	50	3.00-4	2-layer	2.5	country	200
LRS1-260-85-60-R20 Ident No.: 0022867	260	85	20	60	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-60-R20 Ident No.: 0022868	260	85	20	60	3.00-4	2-layer	2.5	country	200
LRS1-260-85-75-R20 Ident No.: 0022869	260	85	20	75	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-75-R20 Ident No.: 0022871	260	85	20	75	3.00-4	2-layer	2.5	country	200
LRS1-260-85-75-R20-PR4 Ident No.: 0022873	260	85	20	75	3.00-4	4-layer	2.5	rib	200

Suitable castors can be found on page 153

wheels					dimension	tread thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm					
LRS2-260-85-75-R20-PR4 Ident No.: 0022875	260	85	20	75	3.00-4	4-layer	2.5	country	200
LRS1-260-85-75-R25 Ident No.: 0022881	260	85	25	75	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-75-R25 Ident No.: 0022883	260	85	25	75	3.00-4	2-layer	2.5	country	200
LRS2-260-85-75-R25-PR4 Ident No.: 0013566	260	85	25	75	3.00-4	4-layer	2.5	country	200
LRS1-260-85-88-R20 Ident No.: 0022877	260	85	20	88	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-88-R20 Ident No.: 0022878	260	85	20	88	3.00-4	2-layer	2.5	country	200
LRS1-260-85-88-R25 Ident No.: 0022884	260	85	25	88	3.00-4	2-layer	2.5	rib	200
LRS2-260-85-88-R25 Ident No.: 0022885	260	85	25	88	3.00-4	2-layer	2.5	country	200
LRS1-310-50-60-R20 Ident No.: 0022889	310	50	20	60	12 1/2 x 2 1/4	2-layer	2.5	rib	70
LRS1-400-100-75-R20 Ident No.: 0022904	400	100	20	75	15 3/4 x 4	2-layer	2	rib	250
LRS2-400-100-75-R20 Ident No.: 0022907	400	100	20	75	15 3/4 x 4	2-layer	2	country	250
LRS1-400-100-90-R20 Ident No.: 0022909	400	100	20	90	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-75-R20-PR4 Ident No.: 0022905	400	100	20	75	15 3/4 x 4	4-layer	2	rib	250
LRS1-400-100-75-R25 Ident No.: 0022925	400	100	25	75	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-75-R25-PR4 Ident No.: 0022923	400	100	25	75	15 3/4 x 4	4-layer	2	rib	250
LRS2-400-100-75-R25 Ident No.: 0022963	400	100	25	75	15 3/4 x 4	2-layer	2	country	250
LRS2-400-100-75-R25-PR4 Ident No.: 0037727	400	100	25	75	15 3/4 x 4	4-layer	2	country	250
LRS2-400-100-75-R25-PR4 Ident No.: 0022965	400	100	25	75	15 3/4 x 4	4-layer	2	country	250
LRS1-400-100-90-R25 Ident No.: 0022968	400	100	25	90	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-90-R25-Silber Ident No.: 0011478	400	100	25	90	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-90-R25-PR4 Ident No.: 0033774	400	100	25	90	15 3/4 x 4	4-layer	2	rib	250
LRS2-400-100-90-R25 Ident No.: 0022969	400	100	25	90	15 3/4 x 4	2-layer	2	country	250



ceiling profile rib

## pneumatic tires // LRS // up to 1,000 kg



### Features:

- LRS wheels:
- steel center rim with roller bearing and ball bearing

### Properties:






- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: R)

### Note:

The specified air pressure (bar) values must be followed and checked regularly.

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
LRS4-245-80-75-R20-PR4 Ident No.: 0022887	245	80	20	75	3.00-4	4-layer	5	rib	250
LRS4-245-80-75-K25-PR4 Ident No.: 0022888	245	80	25	75	3.00-4	4-layer	2.5	rib	250
LRS5-300-100-75-R20-PR6 Ident No.: 0022891	300	100	20	75	4.00-4	6-layer	6	country	350
LRS5-300-100-75-R25-PR6 Ident No.: 0022893	300	100	25	75	4.00-4	6-layer	6	country	350
LRS4-300-100-75-R20-PR4 Ident No.: 0032988	300	100	20	75	4.00-4	4-layer	3.5	rib	350
LRS5-300-100-75-K20-PR4 Ident No.: 0022890	300	100	20	75	4.00-4	4-layer	6	country	350
LRS4-300-100-75-K25-PR4 Ident No.: 0028522	300	100	25	75	4.00-4	4-layer	3.5	rib	200
LRS5-300-100-75-K25-PR6 Ident No.: 0022892	300	100	25	75	4.00-4	6-layer	6	country	350
LRS5-300-100-92-K25-PR6 Ident No.: 0034024	300	100	25	92	4.00-4	6-layer	3.5	country	350
LRS5-410-110-100-K25-PR6 Ident No.: 0022894	410	110	25	100	4.00-8	6-layer	7	country	750
LRS5-410-110-100-K30-PR6 Ident No.: 0022897	410	110	30	100	4.00-8	6-layer	3.5	country	500
LRS5-460-140-100-K30-PR6 Ident No.: 0022975	460	140	30	100	5.00-8	6-layer	7	country	750
LRS5-540-170-100-K30-PR10 Ident No.: 0022976	540	170	30	100	6.00-9	10-layer	7	country	1,100

Suitable castors can be found on page 153

Matching accessories can be found on page 432

## floors



## Features:

- LRS wheels with axle:
- steel rim or plastic rim
- plain bore or ball bearing






## Properties:

- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- available in non-marking version
- (old designation: R)

## Note:

The specified air pressure (bar) values must be followed and checked regularly.



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	dimension	ceiling thickness ply	tire pressure bar	ceiling profile	 load-carrying capacity kg
LRS1-400-100-100-G17-AM Ident No.: 0022973	400	100	17	100	15 3/4 x 4	2-layer	2	rib	250
LRS2-400-100-100-G17-AM Ident No.: 0013318	400	100	17	100	15 3/4 x 4	2-layer	2	country	250
LRS1-400-100-97-K15-AM Ident No.: 0022972	400	100	15	97	15 3/4 x 4	2-layer	2	rib	250
LRS1-400-100-128-G10-AM Ident No.: 0022974	400	100	10	128	15 3/4 x 4	2-layer	2	rib	250
LRK1-400-100-130-R20-AM Ident No.: 0029248	400	100	20	130	15 3/4 x 4	2-layer	2.5	rib	150



*"Wheelbarrow wheels with axle"*

## accessories // set's pneumatic tires (covering and tube)




### set - covering and tube rib profile



...VS1 = valve position 90°-90°  
...VS2 = valve position 90°-30°

set's pneumatic tires	wheel ø mm	wheel width mm	pneuma- tic tires inch	tire pressure bar	ceiling profile	ceiling thick- ness	colour	load-car- rying ca- pacity kg
DS1-150-030-VS2-grey Ident No.: 0023804	150	30	6 x 1 1/4	2.5	rib	Ply	grey	50
DS1-200-050-VS2 Ident No.: 0023814	200	50	8 x 2	2.5	rib	2-layer	black	75
DS1-200-050-VS2-PR4-grey Ident No.: 0023815	200	50	8 x 2	2.5	rib	4-layer	grey	75
DS1-200-050-VS2-PR4 Ident No.: 0035501	200	50	8 x 2	2.5	rib	4-layer	black	75
DS1-230-065-VS1 Ident No.: 0023817	230	65	2.50-4	2.5	rib	2-layer	black	130
DS1-260-085-VS1 Ident No.: 0023819	260	85	3.00-4	2.5	rib	2-layer	black	200
DS1-260-085-VS1-PR4 Ident No.: 0023820	260	85	3.00-4	2.5	rib	4-layer	black	250
DS1-260-085-VS1-PR4-grey Ident No.: 0023821	260	85	3.00-4	2.5	rib	4-layer	grey	250
DS4-300-100-VS1-PR4 Ident No.: 0023827	300	100	4.00-4	2.5	rib	4-layer	black	200
DS1-310-050-VS2 Ident No.: 0029663	310	50	12 1/2 x 2 1/4	2.5	rib	2-layer	black	70
DS1-400-100-VS2 Ident No.: 0023830	400	100	4.80/4.00-8	2	rib	2-layer	black	250
DS1-400-100-VS2-PR4 Ident No.: 0023831	400	100	4.80/4.00-8	2	rib	4-layer	black	250

## accessories // set's pneumatic tires (covering and tube)

set's pneumatic tires							set - covering and tube country profile	
	wheel ø mm	wheel width mm	pneuma- tic tires inch	tire pressure bar	ceiling profile	tread thick- ness	colour	load-car- rying ca- pacity kg
DS3-230-065-VS1 Ident No.: 0023818	230	65	2.50-4	2.5	military	2-layer	black	130
DS2-260-085-VS1 Ident No.: 0023822	260	85	3.00-4	2.5	country	2-layer	black	200
DS2-260-085-VS1-PR4 Ident No.: 0023825	260	85	3.00-4	2.5	country	4-layer	black	200
DS2-260-085-VS1-PR4-grey Ident No.: 0023826	260	85	3,0-4	2.5	country	4-layer	grey	250
DS5-300-100-VS1-PR4 Ident No.: 0025593	300	100	4.00-4	2.5	country	4-layer	black	230
DS5-300-100-VS1-PR6 Ident No.: 0023828	300	100	4.00-4	2.5	country	6-layer	black	400
DS2-400-100-VS2 Ident No.: 0023832	400	100	4.80/4.00-8	2	country	2-layer	black	250
DS2-400-100-VS2-PR4 Ident No.: 0023833	400	100	4.80/4.00-8	2	country	4-layer	black	250
DS2A-400-100-VS2-PR4 Ident No.: 0023834	400	100	4.80/4.00-8	2	country	4-layer	black	250
DS5-410-110-VS2-PR6 Ident No.: 0023829	410	110	4.00-8	3.5	country	6-layer	black	500
DS5-460-140-VS2-PR6 Ident No.: 0011194	460	140	5.00-8	7	country	6-layer	black	750





...VS1 = valve position 90°-90°  
...VS2 = valve position 90°-30°



tubes



...VS1 = valve position 90°-90°  
...VS2 = valve position 90°-30°

tubes	 wheel ø mm	 wheel width mm	pneumatic tires inch
S-150-30-VS2 Ident No.: 0023669	150	30	6 x 1 1/4
S-185-45-VS2 Ident No.: 0023670	185	45	7 x 1 3/4
S-200-50-VS1 Ident No.: 0030434	200	50	8 x 2
S-200-50-VS2 Ident No.: 0023673	200	50	8 x 2
S-210-65-VS1 Ident No.: 0023674	210	65	8 x 2
S-220-50-VS1 Ident No.: 0023675	220	50	8 x 1/32 x 2
S-220-120-VS2 Ident No.: 0024586	220	120	8 x 1/2x2
S-230-65-VS2 Ident No.: 0039612	230	65	2.50-4
S-230-65-VS1 Ident No.: 0023676	230	65	2.50-4
S-260-85-VS2 Ident No.: 0011393	260	85	3.00-4
S-260-85-VS1 Ident No.: 0023677	260	85	3.00-4
S-310-50-VS2 Ident No.: 0023679	310	50	12 1/2 x 2 1/4
S-300-100-VS1 Ident No.: 0023680	300	100	4.00-4
S410-100-VS2 Ident No.: 0023681	410	100	4.00-8
S-400-100-VS2 Ident No.: 0023682	400	100	4.80/4.00-8
S-400-100-VS1 Ident No.: 0037363	400	100	4.80/4.00-8
S-460-140-VS2 Ident No.: 0023683	460	140	5.00-8



coverings			dimension	ceiling thickness ply	tire pressure bar	ceiling profile
	wheel ø mm	wheel width mm				
D1-150-30-grey Ident No.: 0015570	150	30	6 x 1 1/4	2-layer	2.5	rib
D1-185-45-grey Ident No.: 0015571	185	45	7 x 1 3/4	2-layer	2.5	rib
D1-200-50 Ident No.: 0015573	200	50	8 x 2	2-layer	2.5	rib
D1-200-50-PR4-grey Ident No.: 0015574	200	50	8 x 2	4-layer	2.5	rib
D1-220-50-grey Ident No.: 0015579	220	50	8 x 2	2-layer	2.5	rib
D1-200-50-PR4 Ident No.: 0037294	200	50	8 x 2	4-layer	2.5	rib
D1-230-65 Ident No.: 0015580	230	65	2.50-4	2-layer	2.5	rib
D3-230-65 Ident No.: 0015581	230	65	2.50-4	2-layer	2.5	military
D3-230-65-PR4-grey Ident No.: 0016675	230	65	2.50-4	4-layer	2.5	military
D1-260-85 Ident No.: 0015584	260	85	3.00-4	2-layer	2.5	rib
D1-260-85-PR4 Ident No.: 0015585	260	85	3.00-4	4-layer	2.5	rib
D1-260-85-PR4-grey Ident No.: 0015586	260	85	3.00-4	4-layer	2.5	rib
D2-260-85 Ident No.: 0015587	260	85	3.00-4	2-layer	2.5	country
D2-260-85-PR4 Ident No.: 0015588	260	85	3.00-4	4-layer	2.5	country
D2-260-85-PR4-grey Ident No.: 0015589	260	85	3.00-4	4-layer	3.5	country
D4-245-80-PR4 Ident No.: 0015590	245	80	3.00-4	4-layer	2.5	ind.-rib
D5-245-80-PR4 Ident No.: 0015591	245	80	3.00-4	4-layer	2.5	ind.-country
D4-300-100-PR4 Ident No.: 0015595	300	100	4.00-4	4-layer	2.5	rib
D2A-310-50-PR4-grey Ident No.: 0015593	310	50	12 1/2 x 2 1/4	4-layer	2.5	country-v
D1-310-50-grey Ident No.: 0015592	310	50	12 1/2 x 2 1/4	2-layer	2.5	rib
D1-310-50 Ident No.: 0015599	310	50	12 1/2 x 2 1/4	2-layer	2.5	rib
D5-300-100-PR6 Ident No.: 0015596	300	100	4.00-4	6-layer	6	country-v
D1-400-100 Ident No.: 0015598	400	100	4.80/4.00-8	2-layer	2.5	rib
D1-400-100-PR4 Ident No.: 0015789	400	100	4.80/4.00-8	4-layer	2.5	rib
D2-400-100 Ident No.: 0015790	400	100	4.80/4.00-8	2-layer	2.5	country
D2-400-100-PR4 Ident No.: 0015791	400	100	4.80/4.00-8	4-layer	2.5	country
D5-460-140-PR8 Ident No.: 0037625	460	140	5.00-8	8-lagig	7	country-v

coverings





## Polypropylene wheels are an inexpensive alternative to polyamide

The material polypropylene (PP) is a low-cost alternative to polyamide. It also features a lower specific weight and does not absorb moisture. Polypropylene is resistant to salt water, as well as many acids and alkalis up to a certain concentration.

### Properties

- 🌀 excellent chemical resistance
- 🌀 high load capacity
- 🌀 resistant to fracturing even at heavy loads
- 🌀 long working life
- 🌀 run well on smooth floor surfaces
- 🌀 low rolling resistance



### Shore hardness

approx. 60° Shore D

### Temperature range

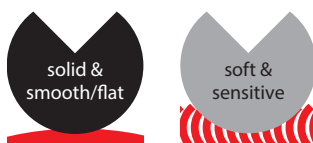
polypropylene can be used from 5° C to 80° C

the load-carry capacity is reduced at temperatures above +30° C

### Bearing types

- 🌀 plain bearing (through hole)
- 🌀 roller bearing
- 🌀 ball bearing

### areas of use // floors





smooth-running series

## Features:

- PPBL wheels:
- polypropylene wheel body with ball bearing
- with thread guards to protect the ball bearing from dust and dirt






## Properties:

- excellent chemical resistance
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PPK)

## floors



**"Affordable smooth-running ball bearing series: for flat floors"**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PPBL-080-30-40-K08 Ident No.: 0021575	80	30	8	40	150
PPBL-100-30-40-K08 Ident No.: 0021576	100	30	8	40	180
PPBL-125-35-50-K08 Ident No.: 0028534	125	35	8	50	210
PPBL-160-40-60-K12 Ident No.: 0026623	160	40	12	60	300
PPBL-200-47-60-K12 Ident No.: 0026624	200	47	12	60	400

Suitable castors can be found on pages 165, 278

Matching accessories can be found on page 432






**floors****Features:**

- PPH wheels:
- polypropylene wheel body with 2 ball bearings

**Properties:**

- excellent chemical resistance
- high load capacity
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PPKS)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PPH-080-35-40-K12 Ident No.: 0015426	80	35	12	40	150
PPH-100-35-40-K12 Ident No.: 0015427	100	35	12	40	200
PPH-125-40-50-K15 Ident No.: 0015428	125	40	15	50	300
PPH-150-45-60-K20 Ident No.: 0015429	150	45	20	60	450
PPH-150-45-60-K25 Ident No.: 0031118	150	45	25	60	450
PPH-160-45-60-K20 Ident No.: 0015430	160	45	20	60	450
PPH-200-50-60-K20 Ident No.: 0015431	200	50	20	60	550
PPH-200-50-60-K25 Ident No.: 0035357	200	50	25	60	550
PPH-200-50-60-K30 Ident No.: 0032156	200	50	30	60	550
PPH-250-60-75-K20 Ident No.: 0035494	250	60	20	75	700
PPH-250-60-75-K25 Ident No.: 0016963	250	60	25	75	700

Suitable castors can be found on pages 168, 169

Matching accessories can be found on page 432



# Polyamide wheels for medium to heavy-duty loads

The material polyamide (PA 6) is a high-quality plastic with a high load-carrying capacity. Polyamide is hygienic and odorless. It is also resistant to salt water, as well as many acids and alkalis up to a certain concentration. This material is often used in the food and pharmaceutical industries.

## Properties

- 🔗 excellent chemical resistance
- 🔗 high load capacity
- 🔗 resistant to fracturing even at heavy loads
- 🔗 long working life
- 🔗 run well on smooth floor surfaces
- 🔗 low rolling resistance



## Shore hardness

approx. 70° Shore D

## Temperature range

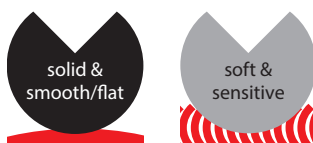
polyamide can be used from 40° C to 90° C

the load-carry capacity is reduced at temperatures above +30° C

## Bearing types

- 🔗 plain bearing (through hole)
- 🔗 roller bearing
- 🔗 ball bearing

## areas of use // floors





## Features:

- PALB and PALZ wheels, with plain bore:
- polyamide 6 wheel body with plain bore
- polyamide 6 can absorb and release moisture






## Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- (old designation: POD/TG)

## floors



***"Our PALB series with strongly convex running surface and excellent turning characteristics"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PALB-058-25-34-G10 Ident No.: 0021360	58	25	10	34	100
PALZ-065-30-40-G12 Ident No.: 0024698	65	30	12	40	120
PALB-080-33-40-G12 Ident No.: 0033518	80	33	12	40	150
PALB-100-35-40-G12 Ident No.: 0033519	100	35	12	40	200
PALB-125-36-50-G15 Ident No.: 0033520	125	36	15	50	300
PALB-150-40-58-G20 Ident No.: 0033521	150	40	20	58	450
PALZ-160-40-50-G15 Ident No.: 0022640	160	40	15	50	450
PALZ-175-48-60-G20 Ident No.: 0024713	175	48	20	60	500
PALB-200-48-58-G20 Ident No.: 0033522	200	48	20	58	550
PALZ-250-58-75-G25 Ident No.: 0024717	250	58	25	75	700

Suitable castors can be found on pages 171, 172, 281, 282

Matching accessories can be found on page 432








**floors****Features:**

- PALB and PALZ wheels, with roller bearings:
- polyamide 6 wheel body with roller bearings
- polyamide 6 can absorb and release moisture

**Properties:**

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POD/TR)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PALB-058-29-31-R10 Ident No.: 0035502	58	29	10	31	75
PALZ-065-30-40-R12 Ident No.: 0025281	65	30	12	40	120
PALB-080-33-40-R12 Ident No.: 0033523	80	33	12	40	150
PALB-100-35-40-R12 Ident No.: 0033524	100	35	12	40	200
PALZ-108-36-44-R12 Ident No.: 0036485	108	36	12	44	200
PALB-125-36-50-R15 Ident No.: 0033525	125	36	15	50	300
PALB-150-40-58-R20 Ident No.: 0033526	150	40	20	58	450
PALZ-150-43-58-R20 Ident No.: 0025290	150	43	20	58	450
PALZ-150-50-60-R20 Ident No.: 0025292	150	50	20	60	450
PALZ-160-40-60-R20 Ident No.: 0035052	160	40	20	60	480
PALZ-175-48-60-R20 Ident No.: 0025294	175	48	20	60	500
PALB-200-48-58-R20 Ident No.: 0033527	200	48	20	58	550
PALZ-250-58-75-R25 Ident No.: 0025297	250	58	25	75	700

Suitable castors can be found on pages 174, 175

Matching accessories can be found on page 432

## wheels // PAL and PAH plain bearing



wide  
variety

### Features:






- PAL and PAH plain bearing wheels:
- made of polyamide 6 with plain bearing
- polyamide 6 can absorb and release moisture






### Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PO)

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAL-040-33-35-G10 Ident No.: 0022584	40	33	10	35	80
PAL-045-19-22-G10 Ident No.: 0022687	45	19	10	22	70
PAL-050-17-20-G10 Ident No.: 0022587	50	17	10	20	150
PAL-050-19-22-G10 Ident No.: 0022586	50	19	10	22	50
PAL-050-25-28-G10 Ident No.: 0022588	50	25	10	28	150
PAL-060-20-22-G10 Ident No.: 0024802	60	20	10	22	110
PAL-060-20-25-G10 Ident No.: 0031965	60	20	10	25	150
PAL-075-24-28-G12 Ident No.: 0022590	75	24	12	28	150
PAH-080-33-35-G12 Ident No.: 0037728	80	33	12	35	500
PAH-080-33-35-G20 Ident No.: 0022591	80	33	20	35	500
PAL-100-35-44-G20 Ident No.: 0036654	100	35	20	44	150
PAH-100-40-48-G15 Ident No.: 0022595	100	40	15	48	500
PAH-100-50-60-G15 Ident No.: 0022600	100	50	15	60	600
PAL-125-38-40-G20 Ident No.: 0022623	125	38	20	40	300
PAL-125-40-48-G15 Ident No.: 0022620	125	40	15	48	250
PAL-125-40-44-G15 Ident No.: 0022628	125	40	15	44	300

wheels	    				
	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PAH-125-40-53-G15 Ident No.: 0022615	125	40	15	53	600
PAH-125-40-53-G20 Ident No.: 0030776	125	40	20	53	600
PAL-125-43-58-G20 Ident No.: 0022612	125	43	20	58	450
PAH-125-45-58-G20 Ident No.: 0015601	125	45	20	58	750
PAH-125-50-60-G20 Ident No.: 0022625	125	50	20	60	800
PAL-150-40-50-G15 Ident No.: 0022629	150	40	15	50	400
PAL-150-40-50-G20 Ident No.: 0028195	150	40	20	50	350
PAH-150-40-53-G20 Ident No.: 0022633	150	40	20	53	700
PAH-150-45-58-G20 Ident No.: 0015604	150	45	20	58	800
PAL-160-40-58-G20 Ident No.: 0022641	160	40	20	58	400
PAH-160-50-58-G20 Ident No.: 0022642	160	50	20	58	850
PAH-175-40-57-G20 Ident No.: 0022644	175	40	20	57	800
PAL-175-45-50-G15 Ident No.: 0022645	175	45	15	50	400
PAL-200-40-50-G15 Ident No.: 0022651	200	40	15	50	450
PAL-200-40-50-G20 Ident No.: 0033174	200	40	20	50	450
PAL-200-50-54-G35 Ident No.: 0031414	200	50	35	54	500
PAH-200-50-58-G20 Ident No.: 0015603	200	50	20	58	1,000
PAH-200-50-60-G20 Ident No.: 0033972	200	50	20	60	1,200
PAH-200-50-60-G25 Ident No.: 0022659	200	50	25	60	1,300
PAH-250-50-60-G25 Ident No.: 0022663	250	50	25	60	800
PAH-300-60-70-G30 Ident No.: 0022676	300	60	30	70	2,000

## wheels // PAL and PAH roller bearing



### Features:




- PAL wheels and PAH roller bearings:
- made of polyamide 6 with roller bearing
- polyamide 6 can absorb and release moisture

### Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PO)

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAH-080-33-35-R15 Ident No.: 0022592	80	33	15	35	500
PAH-100-40-48-R15 Ident No.: 0022596	100	40	15	48	600
PAH-125-38-48-R15 Ident No.: 0022613	125	38	15	48	700
PAH-125-45-58-R20 Ident No.: 0015602	125	45	20	58	750
PAH-150-45-58-R20 Ident No.: 0015605	150	45	20	58	800
PAH-200-50-58-R20 Ident No.: 0022652	200	50	20	58	1,000
PAH-250-50-58-R20 Ident No.: 0022674	250	50	20	58	700
PAH-250-50-58-R25 Ident No.: 0038439	250	50	25	58	700

**floors**




**Features:**

- PAM plain bearing wheels:
- polyamide 6 wheel body with plain bearing
- polyamide 6 can absorb and release moisture

**Properties:**

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-G12 Ident No.: 0014368	80	35	12	40	200
PAM-100-35-40-G12 Ident No.: 0014369	100	35	12	40	300
PAM-125-40-50-G15 Ident No.: 0014370	125	40	15	50	400
PAM-150-45-60-G20 Ident No.: 0014371	150	45	20	60	700
PAM-160-45-60-G20 Ident No.: 0014372	160	45	20	60	700
PAM-200-50-60-G20 Ident No.: 0014373	200	50	20	60	1,000
PAM-200-50-60-G25 Ident No.: 0031416	200	50	25	60	1,000
PAM-250-60-75-G25 Ident No.: 0016978	250	60	25	75	1,300

## wheels // PAM and PAH ball bearing



### Features:






- PAM and PAH wheels:
- polyamide 6 wheel body with ball bearing
- polyamide 6 can absorb and release moisture

### Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS and 820)

### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-K12 Ident No.: 0015402	80	35	12	40	200
PAM-100-35-40-K12 Ident No.: 0015403	100	35	12	40	300
PAH-100-40-48-K15 Ident No.: 0022598	100	40	15	48	500
PAM-125-40-50-K15 Ident No.: 0015404	125	40	15	50	400
PAH-125-50-60-K20 Ident No.: 0022626	125	50	20	60	800
PAM-150-45-60-K20 Ident No.: 0015405	150	45	20	60	700
PAH-150-50-60-K20 Ident No.: 0022637	150	50	20	60	900
PAM-160-45-60-K20 Ident No.: 0015406	160	45	20	60	700
PAM-200-50-60-K20 Ident No.: 0015407	200	50	20	60	1,000
PAM-200-50-60-K25 Ident No.: 0035765	200	50	25	60	1,000
PAM-250-60-75-K25 Ident No.: 0016979	250	60	25	75	1,300
PAH-250-50-60-K25 Ident No.: 0022672	250	50	25	60	1,500

Suitable castors can be found on pages 197, 217, 219, 293, 294

Matching accessories can be found on page 432






**floors****Features:**

- PAH ball bearing wheels:
- made of polyamide 6 with ball bearing
- polyamide 6 can absorb and release moisture

**Properties:**

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long working life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PO)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAH-100-50-60-K20 Ident No.: 0022607	100	50	20	60	600
PAH-125-40-53-K20 Ident No.: 0022618	125	40	20	53	600
PAH-125-38-48-K20 Ident No.: 0022621	125	38	20	48	700
PAH-150-40-40-K20 Ident No.: 0034852	150	40	20	40	700
PAH-200-50-60-K25 Ident No.: 0022657	200	50	25	60	1,300
PAH-250-58-75-K25 Ident No.: 0014394	250	58	25	75	1,700
PAH-300-60-70-K25 Ident No.: 0022677	300	60	25	70	2,000

Suitable castors can be found on pages 238, 245

Matching accessories can be found on page 432





## Cast polyamide for maximum loads

The material cast polyamide is resistant against breakages and corrosion. It has an extremely high load capacity, tensile strength and compressive strength. The high surface pressure must be observed when using this material on pressure-sensitive floors.

### Properties

- ♥ high load capacity
- ♥ low rolling resistance
- ♥ durable and abrasion-resistant
- ♥ excellent chemical resistance
- ♥ resistant to impacts and shock
- ♥ odorless, taste-free, hygienic
- ♥ long working life
- ♥ dimensionally stable



### Shore hardness

approx. 80° Shore D

### Temperature range

cast polyamide can be used from 40° C to 90° C

### Bearing types

- ♥ plain bearing (through hole)
- ♥ ball bearing
- ♥ precision bore and keyway groove

### areas of use // floors





high load  
capacity

#### Features:

- GPA wheels:
- made of tough, highly compressed cast polyamide with ball bearing






#### Properties:

- high load capacity
- low rolling resistance, durable and abrasion resistant
- excellent chemical resistance
- resistant to impacts and shock
- odorless, taste-free, hygienic
- long working life, resistant to deformation
- (old designation: GPOS)

#### floors



***"Trust in our strength – for heavy loads and high ratings"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GPA-050-60-60-K08 Ident No.: 0036542	50	60	8	60	200
GPA-080-40-45-K20 Ident No.: 0028330	80	40	20	45	1,000
GPA-100-40-45-K25 Ident No.: 0028331	100	40	25	45	1,250
GPA-100-55-60-K20 Ident No.: 0036889	100	55	20	60	2,000
GPA-125-55-60-K25 Ident No.: 0028332	125	55	25	60	2,000
GPA-150-55-60-K30 Ident No.: 0028333	150	55	30	60	2,500
GPA-150-65-65-K25 Ident No.: 0033778	150	65	25	65	2,500
GPA-150-80-90-K35 Ident No.: 0038558	150	80	35	90	3,000
GPA-150-90-90-K35 Ident No.: 0034677	150	90	35	90	3,000
GPA-200-55-55-K25 Ident No.: 0036675	200	55	25	55	3,000
GPA-200-55-60-K35 Ident No.: 0028334	200	55	35	60	3,000
GPA-200-55-60-K40 Ident No.: 0033480	200	55	40	60	3,000
GPA-200-80-90-K45 Ident No.: 0028335	200	80	45	90	4,500
GPA-250-65-75-K45 Ident No.: 0028336	250	65	45	75	5,000
GPA-250-80-90-K50 Ident No.: 0032865	250	80	50	90	6,000

Suitable castors can be found on page 247

Matching accessories can be found on page 432





## Grey cast iron is suitable for high loads at extreme temperatures

It is a durable and wear-resistant material. The material's load capacity, hardness and tensile strength remain unchanged across a wide temperature range (-100° C to +600° C). The high surface pressure must be observed when using this material on pressure-sensitive floors.

### Properties

- ☞ high load capacity
- ☞ durable
- ☞ extremely temperature resistant
- ☞ high elongation at breakage
- ☞ low rolling resistance
- ☞ excellent chemical resistance



### Hardness range

approx. 180 – 220 HB (ball pressure hardness)

### Temperature range

grey cast iron can be used from -100° C to 600° C,  
depending on the wheel and castor series

### Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove

### areas of use // floors







**Features:**

- GGG wheels:
- made of special grey cast iron with plain bearing
- cleanly cast, de-burred and painted

**Properties:**

- high load capacity
- durable
- extremely temperature resistant
- high elongation at breakage
- low rolling resistance
- excellent chemical resistance
- (old designation: 101-plain bearing)

**floors**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GGG-065-30-34-G07-blue Ident No.: 0010063	65	30	7	34	150
GGG-080-35-39-G10-blue Ident No.: 0010065	80	35	10	39	250
GGG-100-35-44-G12-blue Ident No.: 0010069	100	35	12	40	350
GGG-125-35-49-G12-blue Ident No.: 0010074	125	35	12	49	450
GGG-150-50-58-G15-blue Ident No.: 0010081	150	50	15	58	650
GGG-160-50-58-G15-blue Ident No.: 0010084	160	50	15	58	700
GGG-200-50-58-G20-blue Ident No.: 0010086	200	50	20	58	1,000
GGG-250-60-65-G25-blue Ident No.: 0010091	250	60	25	65	1,250

Suitable castors can be found on page 221

Matching accessories can be found on page 432

## floors







## Features:

- GGK wheels:
- made of special grey cast iron with ball bearing
- cleanly cast, de-burred and painted

## Properties:

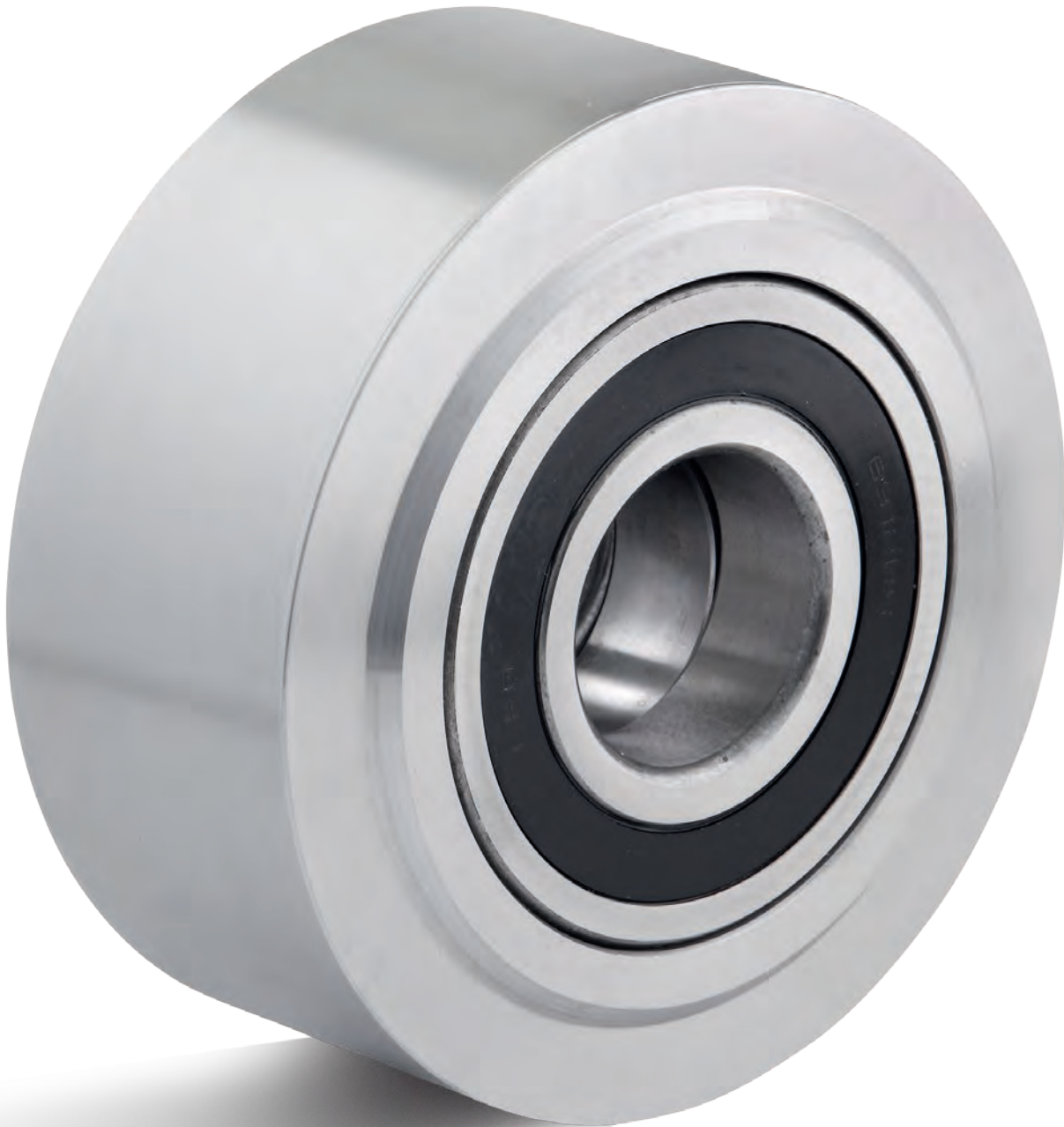
- high load capacity
- durable
- extremely temperature resistant
- high elongation at breakage
- low rolling resistance
- excellent chemical resistance
- (old designation: 101-ball bearing)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GGK-100-30-30-K15 Ident No.: 0010071	100	30	15	30	300
GGK-125-32-32-K15 Ident No.: 0010075	125	32	15	32	400
GGK-150-45-60-K20 Ident No.: 0039225	150	45	20	60	600
GGK-200-48-48-K20 Ident No.: 0036835	200	48	20	48	1,000
GGK-200-45-60-K25 Ident No.: 0039226	200	45	25	60	1,000
GGK-200-48-48-K25 Ident No.: 0010087	200	48	25	48	1,000
GGK-250-60-67-K20 Ident No.: 0032128	250	60	20	67	1,250
GGK-250-60-67-K25 Ident No.: 0032850	250	60	25	67	1,250

Suitable castors can be found on page 223

Matching accessories can be found on page 432





# All-steel wheels with extremely high carrying capacity.

Steel has an extremely high static and dynamic load capacity. Our all-steel wheels are machined from C45/10503 and have a lightly oiled surface. Other qualities of steel, surface coatings and dimensions are also available on request. The high surface pressure must be observed when using this material on pressure-sensitive floors.

## Properties

- 🔗 very high static and dynamic load-carrying capacity
- 🔗 run well on smooth floor surfaces
- 🔗 very high abrasion resistance
- 🔗 very low rolling resistance
- 🔗 electrically conductive



## Hardness range

approx. 190 – 230 HB (ball pressure hardness)

## Temperature range

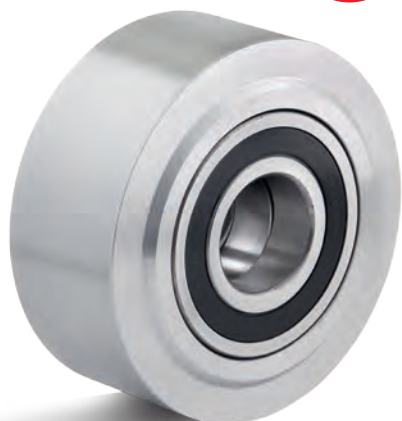
steel can be used from -100° C to +600° C,  
depending on the wheel and castor series

## Bearing types

- 🔗 plain bearing (through hole)
- 🔗 ball bearing
- 🔗 precision bore and keyway groove

## areas of use // floors








**Features:**

- STS wheels:
- all-steel wheels with ball bearings
- surface lightly oiled

**Properties:**

- very high static and dynamic load capacity
- runs well on smooth floor surfaces
- very high abrasion resistance
- very low rolling resistance
- electrically conductive
- (old designation: 6/...)

**floors**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
STS-075-35-35-K15 Ident No.: 0036626	75	35	15	35	600
STS-080-34-34-K25 Ident No.: 0035662	80	34	25	34	700
STS-100-40-45-K25 Ident No.: 0028591	100	40	25	45	1,700
STS-100-50-50-K15 Ident No.: 0012639	100	50	15	50	1,200
STS-125-55-60-K30 Ident No.: 0028592	125	55	30	60	2,750
STS-130-60-60-K20 Ident No.: 0012641	130	60	20	60	2,200
STS-150-45-45-K45 Ident No.: 0034776	150	45	45	45	3,200
STS-150-55-60-K45 Ident No.: 0028593	150	55	45	60	4,000
STS-150-60-60-K20 Ident No.: 0012643	150	60	20	60	2,500
STS-200-55-60-K50 Ident No.: 0028594	200	55	50	60	6,000
STS-200-60-60-K20 Ident No.: 0012646	200	60	20	60	3,800
STS-200-60-60-K25 Ident No.: 0011201	200	60	25	60	3,800
STS-200-80-90-K20 Ident No.: 0039864	200	80	20	90	3,800
STS-200-80-90-K60 Ident No.: 0028595	200	80	60	90	6,000
STS-250-65-75-K70 Ident No.: 0028596	250	65	70	75	10,000

Suitable castors can be found on pages 241, 249

Matching accessories can be found on page 432





# Heat-resistant wheels and castors

Solid rubber and plastic materials can be mixed in special combinations so that they are extremely temperature resistant from -40° C to +300° C. These wheels and castors were specially developed for use in applications with high temperature fluctuations (such as in baking and curing ovens).

## Properties

- ☞ extremely temperature resistant



## Note

- ☞ the load-carry capacity is reduced at temperatures above 30° C
- ☞ solid rubber wheels can become temporarily flattened if they are kept in one position over a long period and at high temperatures.
- ☞ plastic wheels are not entirely suitable for crossing thresholds and for use on uneven floors

## Hardness range

depends on the tread material

## Temperature range

depends on the series of wheel

## Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing

## areas of use // floors





## Features:

- HGK wheels:
- wheel body made of plastic, black, with plain or ball bearing
- rubber tread, red

## Properties:

- non-marking
- permanently elastic
- extremely temperature resistant: -60° C to +250° C
- (old designation: HI-Soft)

## Note:






The specified load-carrying capacity is reduced by approx. 30% when the max. warming level is reached.



**"Wide temperature range"**

## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
HGK-080-30-39-G12-red Ident No.: 0034413	80	30	12	39	40
HGK-100-30-38-G12-red Ident No.: 0016811	100	30	12	38	60
HGK-125-30-38-G12-red Ident No.: 0016816	125	30	12	38	80
HGK-150-40-58-K20-red Ident No.: 0033075	150	40	20	58	100
HGK-200-50-59-G20-black Ident No.: 0080034	200	50	20	59	200

Suitable castors can be found on page 179

Matching accessories can be found on page 432

**floors****Features:**

- HDK wheels:
- plastic wheel body, black, with plain bearings

**Properties:**






- extremely temperature resistant: -40° C to +250° C
- (old designation: HI)

**Note:**

These wheels are not entirely suitable for crossing thresholds and for use on uneven floors.



**"Duroplast castors: for up to 250° C"**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
HDK-080-33-40-G12 Ident No.: 0016807	80	33	12	40	150
HDK-100-34-40-G12 Ident No.: 0016809	100	34	12	40	160
HDK-125-40-48-G15 Ident No.: 0016814	125	40	15	48	180
HDK-150-50-58-G20 Ident No.: 0016818	150	50	20	58	250
HDK-200-52-58-G20 Ident No.: 0016822	200	52	20	58	300

Suitable castors can be found on page 177

Matching accessories can be found on page 432



#### Features:






- PAA wheel series:
- polyamide wheel body with plain bearing
- temperature resistance: -25° C to +80° C
- polyamide can absorb and release moisture

#### Properties:

- excellent chemical resistance
- long working life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: GL)

#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAA-015-12-12-G05 Ident No.: 0016647	15	12	5	12	20
PAA-025-14-15-G05 Ident No.: 0016648	25	14	5	15	30
PAA-030-15-16-G05 Ident No.: 0016649	30	15	5	16	35
PAA-032-18-20-G06 Ident No.: 0016650	32	18	6	20	40
PAA-038-18-20-G06 Ident No.: 0016654	38	18	6	20	40
PAA-045-18-20-G06 Ident No.: 0016655	45	18	6	20	45
PAA-050-18-21-G08 Ident No.: 0016660	50	18	8	20.5	50
PAA-075-23-28-G08 Ident No.: 0016665	75	23	8	28	60
PAA-100-23-29-G08 Ident No.: 0016678	100	23	8	29	60

Suitable castors can be found on pages 326, 331, 332, 333, 334

Matching accessories can be found on page 432








**floors****Features:**

- TPGK wheel series:
- polypropylene wheel body with plain bearing
- temperature resistance: -20° C to +60° C
- thermoplastic rubber tread, grey, approx. 85° shore A

**Properties:**

- runs quietly
- non-marking
- low rolling resistance
- (old designation: P and TPG)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPGK-050-18-22-G06 Ident No.: 0022475	50	18	6	21.5	40
TPGK-050-18-22-G08 Ident No.: 0022478	50	18	8	21.5	40
TPGK-075-23-29-G06 Ident No.: 0022485	75	23	6	29	50
TPGK-075-23-28-G08 Ident No.: 0022486	75	23	8	28	50
TPGK-080-31-37-G12 Ident No.: 0025262	80	31	12	36.5	70
TPGK-100-23-29-G08 Ident No.: 0022495	100	23	8	29	65
TPGK-100-23-29-G12 Ident No.: 0022492	100	23	12	29	60
TPGK-100-31-37-G12 Ident No.: 0025263	100	31	12	36.5	80
TPGK-125-29-34-G12 Ident No.: 0022498	125	29	12	33.5	60
TPGK-125-31-37-G12 Ident No.: 0025264	125	31	12	36.5	100

Suitable castors can be found on pages 337, 338, 339, 340, 349, 350

Matching accessories can be found on page 432



#### Features:






- TPBK wheel series:
- polypropylene wheel body with ball bearing
- temperature resistance: -20° C to 60° C
- grey thermoplastic rubber tread, approx. 85° shore A
- with thread guards to protect the ball bearing from dust and dirt

#### Properties:

- runs quietly
- non-marking
- low rolling resistance
- (old designation: KO and TPK)

#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-050-19-21-K06 Ident No.: 0035348	50	19	6	20.5	40
TPBK-050-19-23-K06 Ident No.: 0017259	50	19	6	22.5	40
TPBK-075-23-29-K06 Ident No.: 0017262	75	23	6	29	50
TPBK-080-31-37-K08 Ident No.: 0025266	80	31	8	36.5	70
TPBK-100-26-30-K08 Ident No.: 0017265	100	26	8	29.8	65
TPBK-100-31-37-K08 Ident No.: 0025268	100	31	8	36.5	80
TPBK-125-31-37-K08 Ident No.: 0025270	125	31	8	36.5	100



*"This smooth-running series is innovative and affordable"*

Suitable castors can be found on pages 343, 344, 345, 346, 353, 354

Matching accessories can be found on page 432





smooth-running series

## Features:

- PUBK wheel series:
- polyamide 6 wheel body with ball bearing
- polyurethane tread, approx. 95° shore A
- with thread guards to protect the ball bearing from dust and dirt

## Properties:

- high load capacity
- low abrasion, non-marking, low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PSK)



**"Affordable smooth-running series for heavier loads"**

## floors



## wheels

PUBK-080-31-37-K08  
Ident No.: 0025267

PUBK-100-31-37-K08  
Ident No.: 0025269

PUBK-125-31-37-K08  
Ident No.: 0025271



wheel ø  
mm



wheel width  
mm



axle hole ø  
mm



hub length  
mm



load-carrying  
capacity kg

80

31

8

36.5

70

100

31

8

36.5

80

125

31

8

36.5

100

Suitable castors can be found on pages 357, 358

Matching accessories can be found on page 432






**floors****Features:**

- SGR wheel series:
- lightweight solid rubber wheels
- plastic rim with plain bearing

**Properties:**

- runs quietly
- affordable
- absorbs vibration
- (old designation: series A)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGR-080-26-35-G08 Ident No.: 0014777	80	26	8	35	30
SGR-100-30-35-G10 Ident No.: 0014778	100	30	10	35	35
SGR-125-35-44-G15 Ident No.: 0014779	125	35	15	44	50
SGR-150-40-44-G15 Ident No.: 0014780	150	40	15	44	80
SGR-175-45-58-G20 Ident No.: 0014782	175	45	20	58	100
SGR-200-50-58-G20 Ident No.: 0014783	200	50	20	58	120
SGR-250-50-58-G20 Ident No.: 0014784	250	50	20	58	120
SGR-250-50-58-G25 Ident No.: 0014785	250	50	25	58	120
SGR-250-60-72-G20 Ident No.: 0014786	250	60	20	72	150
SGR-300-60-72-G25 Ident No.: 0014787	300	60	25	72	150



#### Features:






- SGRE wheel series:
- lightweight solid rubber wheels
- temperature resistance: -20° C to +60° C, plastic rim with plain bearing
- honeycomb style rim with cover
- offset hub

#### Properties:

- runs quietly
- affordable
- absorbs vibration
- (old designation: series AC)

#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGRE-200-50-44-G20 Ident No.: 0014829	200	50	20	44	100
SGRE-250-70-58-G20 Ident No.: 0014830	250	70	20	58	120
SGRE-250-70-58-G25 Ident No.: 0014831	250	70	25	58	120
SGRE-300-70-58-G20 Ident No.: 0025496	300	70	20	58	120
SGRE-300-70-58-G25 Ident No.: 0014832	300	70	25	58	140






**floors****Features:**

- SGR-white series:
- lightweight solid rubber wheels
- temperature resistance: -20° C to +60° C, plastic rim with plain bearing
- closed rim
- with cover
- offset hub

**Properties:**

- runs quietly
- affordable
- absorbs vibration
- (old designation: AG wheel series)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGRE-125-30-38-G15-white Ident No.: 0014834	125	30	15	38	30
SGRE-150-45-44-G12-white Ident No.: 0014835	150	45	12	44	80
SGRE-170-45-44-G12-white Ident No.: 0014836	170	45	12	44	90
SGRE-200-45-44-G12-white Ident No.: 0014837	200	45	12	44	100

## STANDARD CASTORS UP TO 450 KG



SERIES	standard castors solid rubber	standard castors elastic solid rubber	standard castors thermoplastic	standard castors polyurethane	standard castors elastic polyurethane	standard castors pneumatic tires
LOAD-CARRYING CAPACITY	up to 385 kg	up to 400 kg	up to 450 kg	up to 450 kg	up to 450 kg	up to 250 kg
WHEEL-Ø	80 mm - 280 mm	80 mm - 250 mm	80 mm - 250 mm	80 mm - 250 mm	80 mm - 250 mm	150 mm – 400 mm
MATERIAL/TIRES	standard solid rubber	elastic solid rubber	thermoplastic	polyurethane	elastic polyurethane	pneumatic tires
BEARING	plain bearing, castor bearing	ball bearing	plain bearing, ball bearing	plain bearing, ball bearing	ball bearing	plain bearing, roller bearing, ball bearing
PAGES	114	126	135	142	148	152





	standard puncture-proof castors	mini heavy-duty standard castor	standard castors IN	standard polypropylene castors	standard polyamide castors	heat-resistant castors
	up to 200 kg	up to 150 kg	up to 250 kg	up to 350 kg	up to 350 kg	up to 300 kg
	100 mm - 400 mm	35 mm - 50 mm	100 mm - 125 mm	80 mm - 250 mm	80 mm - 250 mm	80 mm – 200 mm
	foamed polyurethane	polyurethane	polyamide elastic-solid rubber polyurethane	polypropylene	polyamide	solid rubber, plastic, heat-resistant
	roller bearing, ball bearing	plain bearing, ball bearing	ball bearing	plain bearing, roller bearing, ball bearing	plain bearing, roller bearing, ball bearing	plain bearing
	<b>154</b>	<b>158</b>	<b>160</b>	<b>164</b>	<b>170</b>	<b>176</b>



***“Versatile, affordable,  
optimally designed”***



## Castors with **standard housing up to 450 kg**

Torwegge's standard housings are made from deep-drawn, galvanized steel sheet. The solid-riveted, double ball bearing in the slewing ring delivers an advantageous price-performance ratio when used for hand-held logistics applications. Castors in standard housing are commonly used by a variety of sectors in transport racks. They can carry a max. load of 1,200 kg at 4 km/h.

### Housing description

- versions with mounting plate or bolt hole
- double-brake versions with pre-run or post-run
- all castors up to 200 mm in diameter have a directional lock recess
- fork head with double ball bearing
- single riveting
- seal with integrated ball spacer
- maintenance-free: lubricated with long-life grease
- can be retrofitted with foot protection

### Temperature range

-25° C to + 90° C; heat-resistant range up to 250° C

### areas of use // floors





## Features:

- SGS wheels:
- wheel body made of steel sheet with roller bearing
- tread made of odorless standard solid rubber tires, black, approx. 80° – 85° shore A

## Properties:

- runs quietly
- affordable
- absorbs vibration
- also available with grey tires
- (old designation: 522)

## floors



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
SGS-080-25-40-R12 Ident No.: 0013140	80	25	12	40	50
SGS-100-30-40-R12 Ident No.: 0013149	100	30	12	40	70
SGS-125-38-50-R15 Ident No.: 0013159	125	38	15	50	100
SGS-140-37-49-R20 Ident No.: 0013181	140	37	20	49	120
SGS-160-40-60-R20 Ident No.: 0013190	160	40	20	60	135
SGS-180-50-60-R20 Ident No.: 0013224	180	50	20	60	170
SGS-200-50-60-R20 Ident No.: 0013231	200	50	20	60	205
SGS-225-55-58-R20 Ident No.: 0013254	225	55	20	58	250
SGS-250-60-75-R25 Ident No.: 0013257	250	60	25	75	295
SGS-280-70-75-R25 Ident No.: 0013325	280	70	25	75	385



3-DSP (plate+brake  
+directional lock)

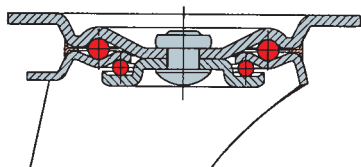


foot protection

Suitable castors can be found on pages 115, 116

Matching accessories can be found on page 432

**solid rubber** // standard housing IS, IL // up to 385 kg



#### Features:

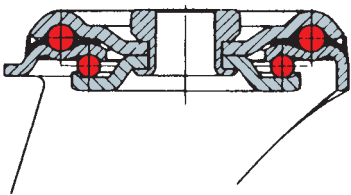
- castors IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IS-SGS-080-R-3 ID: 0029261	L-IS-SGS-080-R-3-DSN ID: 0029266	B-IS-SGS-080-R ID: 0029271	80	25	100	36	105 x 80	80 x 60	9	50
L-IS-SGS-100-R-3 ID: 0029262	L-IS-SGS-100-R-3-DSN ID: 0029267	B-IS-SGS-100-R ID: 0029272	100	30	125	38	105 x 80	80 x 60	9	70
L-IS-SGS-100-R-3-GP ID: 0033570	L-IS-SGS-100-R-3-DSN-GP ID: 0040514	B-IS-SGS-100-R-GP ID: 0032436	100	30	128	46	135 x 110	105 x 80	11	70
L-IS-SGS-125-R-3 ID: 0029263	L-IS-SGS-125-R-3-DSN ID: 0029268	B-IS-SGS-125-R ID: 0029273	125	38	155	38	105 x 80	80 x 60	9	100
L-IS-SGS-125-R-3-GP ID: 0035811	L-IS-SGS-125-R-3-DSN-GP ID: 0040070	B-IS-SGS-125-R-GP ID: 0040071	125	38	155	48	135 x 110	105 x 80	11	100
L-IS-SGS-140-R-3 ID: 0029818	L-IS-SGS-140-R-3-DSV ID: 0029819	B-IS-SGS-140-R ID: 0029820	140	37	173	46	115 x 85	80 x 60	9	120
L-IS-SGS-160-R-3 ID: 0029264	L-IS-SGS-160-R-3-DSN ID: 0029269	B-IS-SGS-160-R ID: 0029274	160	40	190	52	135 x 110	105 x 80	11	135
L-IS-SGS-180-R-3 ID: 0029821	L-IS-SGS-180-R-3-DSN ID: 0029822	B-IS-SGS-180-R ID: 0029823	180	50	210	53	135 x 110	105 x 80	11	170
L-IS-SGS-200-R-3 ID: 0029265	L-IS-SGS-200-R-3-DSN ID: 0029270	B-IS-SGS-200-R ID: 0029275	200	50	235	54	135 x 110	105 x 80	11	205
L-IS-SGS-225-R-3 ID: 0013442	L-IS-SGS-225-R-3-DSV ID: 0013443	B-IS-SGS-225-R ID: 0013733	225	55	250	53	135 x 110	105 x 80	11	250
L-IS-SGS-250-R-3 ID: 0034347	L-IS-SGS-250-R-3-DSV ID: 0013455	B-IS-SGS-250-R ID: 0013739	250	60	290	66	135 x 110	105 x 80	11	275
L-IS-SGS-280-R-3 ID: 0013462	L-IS-SGS-280-R-3-DSV ID: 0013463	B-IS-SGS-280-R ID: 0013743	280	70	320	72	200 x 160	160 x 120	14	385

Matching accessories can be found on page 432

solid rubber // standard housing IS, IL // up to 205 kg



Features:

- castor series IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IS-SGS-080-R-1 ID: 0030271	L-IS-SGS-080-R-1-DSN ID: 0030276	80	25	99	36	12	50
L-IS-SGS-100-R-1 ID: 0030272	L-IS-SGS-100-R-1-DSN ID: 0030277	100	30	124	38	12	70
L-IS-SGS-125-R-1 ID: 0030273	L-IS-SGS-125-R-1-DSN ID: 0030278	125	38	154	38	12	100
L-IS-SGS-160-R-1 ID: 0030274	L-IS-SGS-160-R-1-DSN ID: 0030279	160	40	190	52	12	135
L-IS-SGS-200-R-1 ID: 0030275	L-IS-SGS-200-R-1-DSN ID: 0030280	200	50	235	54	12	205



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

## floors



## Features:






- SGK wheel series:
- wheel body made of plastic with roller bearing
- tread made of odorless standard solid rubber tires, black, approx. 80° – 85° shore A

## Properties:

- runs quietly
- affordable
- absorbs vibration
- also available with grey tread
- (old designation: 522/.../KU)



"Wide variety"

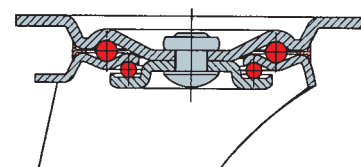
wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGK-080-25-40-R12 Ident No.: 0013144	80	25	12	40	50
SGK-100-30-40-R12 Ident No.: 0013154	100	30	12	40	70
SGK-125-38-50-R15 Ident No.: 0013166	125	38	15	50	100
SGK-160-40-60-R20 Ident No.: 0013195	160	40	20	60	135
SGK-180-45-60-R20 Ident No.: 0013226	180	45	20	60	180
SGK-200-50-60-R20 Ident No.: 0013239	200	50	20	60	205
SGK-250-60-75-R25 Ident No.: 0013265	250	60	25	75	295

Suitable castors can be found on pages 118, 119

Matching accessories can be found on page 432



## solid rubber // standard housing IS, IL // up to 295 kg



### Features:

- castor series IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)

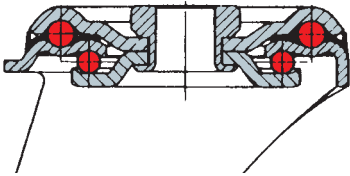


swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IS-SGK-080-R-3 ID: 0029276	L-IS-SGK-080-R-3-DSN ID: 0029281	B-IS-SGK-080-R ID: 0029286	80	25	100	36	105 x 80	80 x 60	9	50
L-IS-SGK-100-R-3 ID: 0029277	L-IS-SGK-100-R-3-DSN ID: 0029282	B-IS-SGK-100-R ID: 0029287	100	30	125	38	105 x 80	80 x 60	9	70
L-IS-SGK-100-R-3-GP ID: 0040562	L-IS-SGK-100-R-3-DSN-GP ID: 0040563	B-IS-SGK-100-R-GP ID: 0040564	100	30	128	38	135 x 105	105 x 80	11	70
L-IS-SGK-125-R-3 ID: 0029278	L-IS-SGK-125-R-3-DSN ID: 0029283	B-IS-SGK-125-R ID: 0029288	125	38	155	38	105 x 80	80 x 60	9	100
L-IS-SGK-125-R-3-GP ID: 0040565	L-IS-SGK-125-R-3-DSN-GP ID: 0040566	B-IS-SGK-125-R-GP ID: 0040567	125	83	155	48	135 x 105	105 x 80	11	100
L-IS-SGK-160-R-3 ID: 0029279	L-IS-SGK-160-R-3-DSN ID: 0029284	B-IS-SGK-160-R ID: 0029289	160	40	190	52	135 x 110	105 x 80	11	135
L-IS-SGK-180-R-3 ID: 0031951	L-IS-SGK-180-R-3-DSN ID: 0037767	B-IS-SGK-180-R ID: 0036018	180	50	210	53	135 x 110	105 x 80	11	170
L-IS-SGK-200-R-3 ID: 0029280	L-IS-SGK-200-R-3-DSN ID: 0029285	B-IS-SGK-200-R ID: 0029290	200	50	235	54	135 x 110	105 x 80	11	205
L-IS-SGK-250-R-3 ID: 0029734	L-IS-SGK-250-R-3-DSV ID: 0029735	B-IS-SGK-250-R ID: 0029736	250	60	290	66	135 x 114	105 x 80	11	295

Matching accessories can be found on page 432









**solid rubber** // standard housing IS, IL // up to 295 kg



#### Features:

- castor series IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



							
swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IS-SGK-080-R-1 ID: 0030281	L-IS-SGK-080-R-1-DSN ID: 0030286	80	25	99	36	12	50
L-IS-SGK-100-R-1 ID: 0030282	L-IS-SGK-100-R-1-DSN ID: 0030287	100	30	124	38	12	70
L-IS-SGK-125-R-1 ID: 0030283	L-IS-SGK-125-R-1-DSN ID: 0030288	125	38	154	38	12	100
L-IS-SGK-160-R-1 ID: 0030284	L-IS-SGK-160-R-1-DSN ID: 0030289	160	40	190	52	12	135
L-IS-SGK-200-R-1 ID: 0030285	L-IS-SGK-200-R-1-DSN ID: 0030290	200	50	235	54	12	205

Matching accessories can be found on page 432



## Features:


- SGS-grey wheel series:
- wheel body made of steel sheet with roller bearing
- tread made of odorless standard solid rubber tires, grey, approx. 80° – 85° shore A

## Properties:

- non-marking
- runs quietly
- affordable
- absorbs vibration
- (old designation: 522/.../BG)

## floors

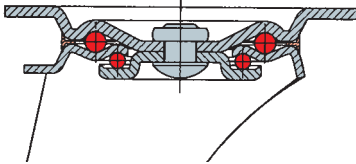


wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGS-080-25-40-R12-grey Ident No.: 0013141	80	25	12	40	50
SGS-100-30-40-R12-grey Ident No.: 0013150	100	30	12	40	70
SGS-125-38-50-R15-grey Ident No.: 0013161	125	38	15	50	100
SGS-140-38-48-R20-grey Ident No.: 0013182	140	38	20	48	120
SGS-160-40-60-R20-grey Ident No.: 0013192	160	40	20	60	135
SGS-180-48-58-R20-grey Ident No.: 0013225	180	48	20	58	180
SGS-200-50-60-R20-grey Ident No.: 0013236	200	50	20	60	200
SGS-250-60-75-R25-grey Ident No.: 0013262	250	60	25	75	295

Suitable castors can be found on pages 121, 122

Matching accessories can be found on page 432

**solid rubber** // standard housing IS, IL // up to 295 kg



#### Features:

- castor series IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IS-SGS-080-R-3-grey ID: 0029346	L-IS-SGS-080-R-3-DSN-grey ID: 0029351	B-IS-SGS-080-R-grey ID: 0029356	80	25	100	36	105 x 80	80 x 60	9	50
L-IS-SGS-100-R-3-grey ID: 0029347	L-IS-SGS-100-R-3-DSN-grey ID: 0029352	B-IS-SGS-100-R-grey ID: 0029357	100	30	125	38	105 x 80	80 x 60	9	70
L-IS-SGS-125-R-3-grey ID: 0029348	L-IS-SGS-125-R-3-DSN-grey ID: 0029353	B-IS-SGS-125-R-grey ID: 0029358	125	38	155	38	105 x 80	80 x 60	9	100
L-IS-SGS-140-R-3-grey ID: 0031314	L-IS-SGS-140-R-3-DSV-grey ID: 0035515	B-IS-SGS-140-R-grey ID: 0032656	140	37	173	46	115 x 85	80 x 60	9	120
L-IS-SGS-160-R-3-grey ID: 0029349	L-IS-SGS-160-R-3-DSN-grey ID: 0029354	B-IS-SGS-160-R-grey ID: 0029359	160	40	190	52	135 x 110	105 x 80	11	135
L-IS-SGS-180-R-3-grey ID: 0031730	L-IS-SGS-180-R-3-DSN-grey ID: 0031742	B-IS-SGS-180-R-grey ID: 0031767	180	50	210	53	135 x 110	105 x 80	11	170
L-IS-SGS-200-R-3-grey ID: 0029350	L-IS-SGS-200-R-3-DSN-grey ID: 0029355	B-IS-SGS-200-R-grey ID: 0029360	200	50	235	54	135 x 110	105 x 80	11	205
L-IS-SGS-250-R-3-grey ID: 0013445	L-IS-SGS-250-R-3-DSV-grey ID: 0029837	B-IS-SGS-250-R-grey ID: 0013735	250	60	290	66	135 x 110	105 x 80	11	295



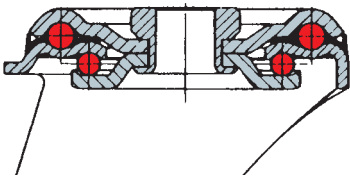
-1 (bolt hole)



1-DSN (bolt hole+ double brake)







Matching accessories can be found on page 432

solid rubber // standard housing IS, IL // up to 205 kg



- Features:**
- castor series IS, IL:
  - standard steel sheet housing, galvanized
  - fork head with double ball bearing
  - seal with integrated ball spacer
  - (old designation: LI)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IS-SGS-080-R-1-grey ID: 0030291	L-IS-SGS-080-R-1-DSN-grey ID: 0030296	80	30	99	36	12	50
L-IS-SGS-100-R-1-grey ID: 0030292	L-IS-SGS-100-R-1-DSN-grey ID: 0030297	100	30	124	38	12	70
L-IS-SGS-125-R-1-grey ID: 0030293	L-IS-SGS-125-R-1-DSN-grey ID: 0030298	125	38	154	38	12	100
L-IS-SGS-160-R-1-grey ID: 0030294	L-IS-SGS-160-R-1-DSN-grey ID: 0030299	160	40	190	52	12	135
L-IS-SGS-200-R-1-grey ID: 0030295	L-IS-SGS-200-R-1-DSN-grey ID: 0030300	200	50	235	54	12	205



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

## floors








## Features:

- SGK-grey wheel series:
- wheel body made of plastic with roller bearing
- tread made of odorless standard solid rubber tires, grey, approx. 80° – 85° shore A

## Properties:

- non-marking
- runs quietly
- affordable
- absorbs vibration
- (old designation: 522/.../KUBG)

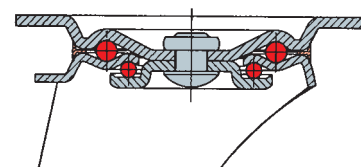


wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGK-080-25-40-R12-grey Ident No.: 0013145	80	25	12	40	50
SGK-100-30-40-R12-grey Ident No.: 0013155	100	30	12	40	70
SGK-125-38-50-R15-grey Ident No.: 0013168	125	38	15	50	100
SGK-160-40-60-R20-grey Ident No.: 0013198	160	40	20	60	135
SGK-200-50-60-R20-grey Ident No.: 0013241	200	50	20	60	200
SGK-250-60-75-R25-grey Ident No.: 0013267	250	60	25	75	295

Suitable castors can be found on pages 124, 125

Matching accessories can be found on page 432

**solid rubber** // standard housing IS, IL // up to 205 kg



#### Features:

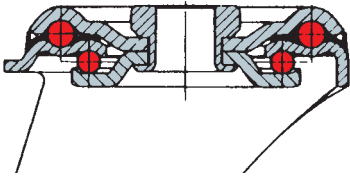
- castor series IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IS-SGK-080-R-3-grey ID: 0029361	L-IS-SGK-080-R-3-DSN-grey ID: 0029366	B-IS-SGK-080-R-grey ID: 0029371	80	25	100	36	105 x 80	80 x 60	9	50
L-IS-SGK-100-R-3-grey ID: 0029362	L-IS-SGK-100-R-3-DSN-grey ID: 0029367	B-IS-SGK-100-R-grey ID: 0029372	100	30	125	38	105 x 80	80 x 60	9	70
L-IS-SGK-125-R-3-grey ID: 0029363	L-IS-SGK-125-R-3-DSN-grey ID: 0029368	B-IS-SGK-125-R-grey ID: 0029373	125	38	155	38	105 x 80	80 x 60	9	100
L-IS-SGK-160-R-3-grey ID: 0029364	L-IS-SGK-160-R-3-DSN-grey ID: 0029369	B-IS-SGK-160-R-grey ID: 0029374	160	40	190	52	135 x 110	105 x 80	11	135
L-IS-SGK-200-R-3-grey ID: 0029365	L-IS-SGK-200-R-3-DSN-grey ID: 0029370	B-IS-SGK-200-R-grey ID: 0029375	200	50	235	54	135 x 110	105 x 80	11	205

Matching accessories can be found on page 432

**solid rubber** // standard housing IS, IL // up to 205 kg



#### Features:

- castor series IS, IL:
- standard steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IS-SGK-080-R-1-grey ID: 0030301	L-IS-SGK-080-R-1-DSN-grey ID: 0030306	80	25	99	36	12	50
L-IS-SGK-100-R-1-grey ID: 0030302	L-IS-SGK-100-R-1-DSN-grey ID: 0030307	100	30	124	38	12	70
L-IS-SGK-125-R-1-grey ID: 0030303	L-IS-SGK-125-R-1-DSN-grey ID: 0030308	125	38	154	38	12	100
L-IS-SGK-160-R-1-grey ID: 0030304	L-IS-SGK-160-R-1-DSN-grey ID: 0030309	160	40	190	52	12	135
L-IS-SGK-200-R-1-grey ID: 0030305	L-IS-SGK-200-R-1-DSN-grey ID: 0030310	200	50	235	54	12	205



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**

Matching accessories can be found on page 432





#### Features:

- EGK wheel series:
- wheel body made of plastic with roller bearing
- tread made of elastic solid rubber, approx 65° shore A
- blue wheel color






#### Properties:

- runs quietly
- non-marking
- absorbs vibration
- also available with grey wheels
- (old designation: ER)

#### floors



*"Pleasant driving property"*

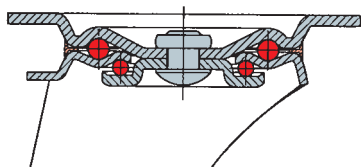
wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGK-080-35-40-R12 Ident No.: 0028757	80	35	12	40	100
EGK-100-36-40-R12 Ident No.: 0028013	100	36	12	40	125
EGK-125-36-50-R15 Ident No.: 0028014	125	36	15	50	200
EGK-160-48-60-R20 Ident No.: 0028758	160	48	20	60	300
EGK-200-48-60-R20 Ident No.: 0028759	200	48	20	60	350

Suitable castors can be found on pages 127, 128

Matching accessories can be found on page 432



**elastic rubber** // standard housing IS, IL // up to 350 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-EGK-080-R-3 ID: 0029181	L-IL-EGK-080-R-3-DSN ID: 0029186	B-IL-EGK-080-R ID: 0029641	80	35	100	36	105 x 80	80 x 60	9	100
L-IL-EGK-100-R-3 ID: 0029182	L-IL-EGK-100-R-3-DSN ID: 0029187	B-IL-EGK-100-R ID: 0029642	100	36	125	36	105 x 80	80 x 60	9	125
L-IK-EGK-100-R-3-GP ID: 0039073	L-IK-EGK-100-R-3-DSN-GP ID: 0039074	B-IK-EGK-100-R-GP ID: 0039075	100	36	128	46	135 x 110	105 x 80	11	125
L-IL-EGK-125-R-3 ID: 0029183	L-IL-EGK-125-R-3-DSN ID: 0029188	B-IL-EGK-125-R ID: 0029643	125	36	155	36	105 x 80	80 x 60	9	200
L-IK-EGK-125-R-3-GP ID: 0039952	L-IK-EGK-125-R-3-DSN-GP ID: 0039951	B-IK-EGK-125-R-GP ID: 0035488	125	36	155	48	135 x 110	105 x 80	11	200
L-IL-EGK-160-R-3 ID: 0029184	L-IL-EGK-160-R-3-DSN ID: 0029189	B-IL-EGK-160-R ID: 0029644	160	48	190	52	135 x 110	105 x 80	11	300
L-IL-EGK-200-R-3 ID: 0029185	L-IL-EGK-200-R-3-DSN ID: 0029190	B-IL-EGK-200-R ID: 0029645	200	48	235	54	135 x 110	105 x 80	11	350



foot protection



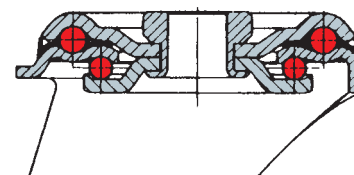
-1 (bolt hole)



1-DSN (bolt hole+ double brake)

Matching accessories can be found on page 432

**elastic rubber** // standard housing IS, IL // up to 350 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-EGK-080-R-1 ID: 0029646	L-IL-EGK-080-R-1-DSN ID: 0029651	80	35	103	36	12	100
L-IL-EGK-100-R-1 ID: 0029647	L-IL-EGK-100-R-1-DSN ID: 0029652	100	36	125	38	12	125
L-IL-EGK-125-R-1 ID: 0029648	L-IL-EGK-125-R-1-DSN ID: 0029653	125	36	155	38	12	200
L-IL-EGK-160-R-1 ID: 0029649	L-IL-EGK-160-R-1-DSN ID: 0029654	160	48	190	52	12	300
L-IL-EGK-200-R-1 ID: 0029650	L-IL-EGK-200-R-1-DSN ID: 0029655	200	48	235	53	12	350



-3 (plate)



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432






**floors****Features:**

- EGA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread surface made of elastic solid rubber, black, approx. 65° shore A

**Properties:**

- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- also available with grey wheels
- (old designation: F3)

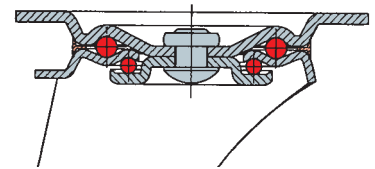
*"Pleasant driving property"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-080-38-40-K12 Ident No.: 0017789	80	38	12	40	120
EGA-100-40-40-K12 Ident No.: 0038446	100	40	12	40	180
EGA-125-40-50-K20 Ident No.: 0038447	125	40	20	50	200
EGA-160-50-60-K20 Ident No.: 0038448	160	50	20	60	300
EGA-200-50-60-K20 Ident No.: 0037761	200	50	20	60	400
EGA-250-50-60-K25 Ident No.: 0037797	250	50	25	60	500

Suitable castors can be found on pages 130, 131, 160, 187, 203

Matching accessories can be found on page 432

**elastic rubber** // standard housing IS, IL // up to 400 kg



#### Features:

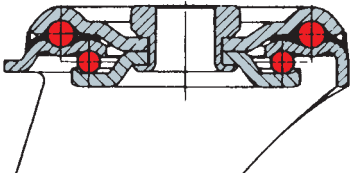
- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-EGA-080-K-3 ID: 0029656	L-IL-EGA-080-K-3-DSN ID: 0029681	B-IL-EGA-080-K ID: 0029687	80	38	100	36	105 x 80	80 x 60	9	120
L-IL-EGA-100-K-3 ID: 0029657	L-IL-EGA-100-K-3-DSN ID: 0029682	B-IL-EGA-100-K ID: 0029688	100	40	125	36	105 x 80	80 x 60	9	180
L-IK-EGA-100-K-3-GP ID: 0016538	L-IK-EGA-100-K-3-DSN-GP ID: 0040512	B-IK-EGA-100-K-GP ID: 0016465	100	40	128	46	135 x 110	105 x 80	11	180
L-IL-EGA-125-K-3 ID: 0029658	L-IL-EGA-125-K-3-DSN ID: 0029683	B-IL-EGA-125-K ID: 0029689	125	40	155	36	105 x 80	80 x 60	9	200
L-IK-EGA-125-K-3-GP ID: 0036067	L-IK-EGA-125-K-3-DSN-GP ID: 0036069	B-IK-EGA-125-K-GP ID: 0040513	125	40	155	48	135 x 110	105 x 80	11	200
L-IL-EGA-160-K-3 ID: 0029678	L-IL-EGA-160-K-3-DSN ID: 0029684	B-IL-EGA-160-K ID: 0029690	160	50	190	52	135 x 110	105 x 80	11	300
L-IL-EGA-200-K-3 ID: 0029679	L-IL-EGA-200-K-3-DSN ID: 0029685	B-IL-EGA-200-K ID: 0029691	200	50	235	54	135 x 110	105 x 80	11	400
L-IS-EGA-250-K-3 ID: 0029680	L-IS-EGA-250-K-3-DSV ID: 0029686	B-IS-EGA-250-K ID: 0029692	250	50	290	66	135 x 110	105 x 80	11	400

Matching accessories can be found on page 432







**elastic rubber** // standard housing IS, IL // up to 300 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-EGA-080-K-1 ID: 0029693	L-IL-EGA-080-K-1-DSN ID: 0029698	80	38	103	36	12	120
L-IL-EGA-100-K-1 ID: 0029694	L-IL-EGA-100-K-1-DSN ID: 0029699	100	40	125	38	12	180
L-IL-EGA-125-K-1 ID: 0029695	L-IL-EGA-125-K-1-DSN ID: 0029700	125	40	155	38	12	200
L-IL-EGA-160-K-1 ID: 0029696	L-IL-EGA-160-K-1-DSN ID: 0029701	160	50	190	52	12	300
L-IL-EGA-200-K-1 ID: 0029697	L-IL-EGA-200-K-1-DSN ID: 0029702	200	50	235	54	12	400



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**

Matching accessories can be found on page 432



## Features:

- EGA-grey wheel series:
- die-cast aluminum wheel body with ball bearing
- tread made of elastic solid rubber, grey, approx. 65° shore A






## Properties:

- non-marking
- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: F3/BG)

## floors



***"Pleasant driving property  
and non-marking"***

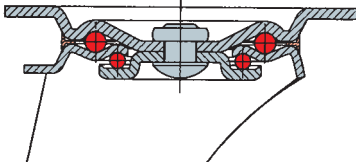
wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-100-40-40-K12-grey Ident No.: 0031039	100	40	12	40	180
EGA-125-40-50-K20-grey Ident No.: 0016385	125	40	20	50	200
EGA-160-50-60-K20-grey Ident No.: 0027771	160	50	20	60	300
EGA-200-50-60-K20-grey Ident No.: 0016399	200	50	20	60	400
EGA-250-50-60-K25-grey Ident No.: 0029675	250	50	25	60	500

Suitable castors can be found on pages 133, 134

Matching accessories can be found on page 432



**elastic rubber** // standard housing IS, IL // up to 400 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-EGA-100-K-3-grey ID: 0040483	L-IL-EGA-100-K-3-DSN-grey ID: 0040484	B-IL-EGA-100-K-grey ID: 0040485	100	40	125	36	105 x 80	80 x 60	9	180
L-IL-EGA-125-K-3-grey ID: 0029745	L-IL-EGA-125-K-3-DSN-grey ID: 0029748	B-IL-EGA-125-K-grey ID: 0029751	125	40	155	36	105 x 80	80 x 60	9	200
L-IL-EGA-160-K-3-grey ID: 0029746	L-IL-EGA-160-K-3-DSN-grey ID: 0029749	B-IL-EGA-160-K-grey ID: 0029752	160	50	190	52	135 x 110	105 x 80	11	300
L-IL-EGA-200-K-3-grey ID: 0029747	L-IL-EGA-200-K-3-DSN-grey ID: 0029750	B-IL-EGA-200-K-grey ID: 0029753	200	50	235	54	135 x 110	105 x 80	11	400
L-IS-EGA-250-K-3-grey ID: 0040486	L-IS-EGA-250-K-3-DSV-grey ID: 0040487	B-IS-EGA-250-K-grey ID: 0040488	250	50	290	66	135 x 110	105 x 80	11	400



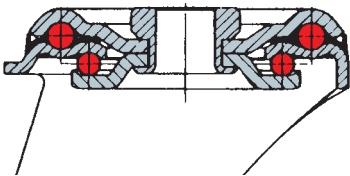
-1 (bolt hole)



1-DSN (bolt hole+ double brake)

Matching accessories can be found on page 432

elastic rubber // standard housing IS, IL // up to 400 kg









- Features:**
- castor series IS, IL:
  - steel sheet housing, galvanized
  - fork head with double ball bearing
  - seal with integrated ball spacer
  - (old designation: LI)



**“Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm”**



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-EGA-125-K-1-grey ID: 0030518	L-IL-EGA-125-K-1-DSN-grey ID: 0030521	125	40	155	38	12	200
L-IL-EGA-160-K-1-grey ID: 0030519	L-IL-EGA-160-K-1-DSN-grey ID: 0030522	160	50	190	52	12	300
L-IL-EGA-200-K-1-grey ID: 0030520	L-IL-EGA-200-K-1-DSN-grey ID: 0030523	200	50	235	54	12	400



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432



**floors****Features:**






- TPBK wheel series:
- polypropylene wheel body with ball bearing
- temperature resistance: -20° C to 60° C
- grey thermoplastic rubber tread, approx. 85° shore A
- with thread guards to protect the ball bearing from dust and dirt

**Properties:**

- runs quietly
- non-marking
- low rolling resistance
- (old designation: KO/TPK)



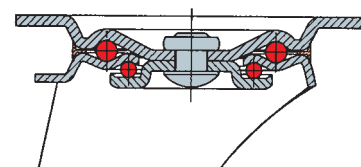
***"This smooth-running series is innovative and inexpensive"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-080-30-40-K08 Ident No.: 0021572	80	30	8	40	80
TPBK-100-30-40-K08 Ident No.: 0021573	100	30	8	40	90
TPBK-125-35-50-K08 Ident No.: 0028530	125	35	8	50	110
TPBK-160-40-60-K12 Ident No.: 0026621	160	40	12	60	180
TPBK-200-47-60-K12 Ident No.: 0026622	200	47	12	60	220

Suitable castors can be found on pages 136, 137

Matching accessories can be found on page 432

**thermoplastic** // standard housing IS, IL // up to 220 kg



#### Features:

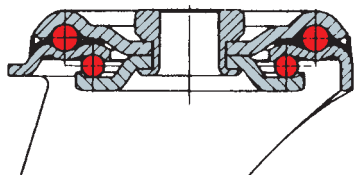
- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-TPBK-080-K-3 ID: 0029490	L-IL-TPBK-080-K-3-DSN ID: 0029495	B-IL-TPBK-080-K ID: 0029500	80	30	100	36	105 x 80	80 x 60	9	80
L-IL-TPBK-100-K-3 ID: 0029491	L-IL-TPBK-100-K-3-DSN ID: 0029496	B-IL-TPBK-100-K ID: 0029501	100	30	125	36	105 x 80	80 x 60	9	90
L-IL-TPBK-125-K-3 ID: 0029492	L-IL-TPBK-125-K-3-DSN ID: 0029497	B-IL-TPBK-125-K ID: 0029502	125	35	155	36	105 x 80	80 x 60	9	110
L-IL-TPBK-160-K-3 ID: 0029493	L-IL-TPBK-160-K-3-DSN ID: 0029498	B-IL-TPBK-160-K ID: 0029503	160	40	190	52	135 x 110	105 x 80	11	180
L-IL-TPBK-200-K-3 ID: 0029494	L-IL-TPBK-200-K-3-DSN ID: 0029499	B-IL-TPBK-200-K ID: 0029504	200	47	235	54	135 x 110	105 x 80	11	220

Matching accessories can be found on page 432

**thermoplastic**// standard housing IS, IL// up to 220 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-TPBK-080-K-1 ID: 0029505	L-IL-TPBK-080-K-1-DSN ID: 0029510	80	30	100	36	12	80
L-IL-TPBK-100-K-1 ID: 0029506	L-IL-TPBK-100-K-1-DSN ID: 0029511	100	30	125	38	12	90
L-IL-TPBK-125-K-1 ID: 0029507	L-IL-TPBK-125-K-1-DSN ID: 0029512	125	35	155	38	12	110
L-IL-TPBK-160-K-1 ID: 0029508	L-IL-TPBK-160-K-1-DSN ID: 0029513	160	40	190	52	12	180
L-IL-TPBK-200-K-1 ID: 0029509	L-IL-TPBK-200-K-1-DSN ID: 0029514	200	47	235	54	12	220



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**

Matching accessories can be found on page 432

**Features:**






- TPKH wheel series:
- polypropylene wheel body with 2 ball bearings per wheel
- tread made of thermoplastic rubber, grey, approx. 85° shore A

**Properties:**

- runs quietly, non-marking
- higher load-carrying capacity than rubber
- minimal rolling resistance, shock-resistant
- (old designation: THKS)

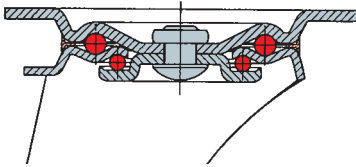
**floors**

***"Heavy-duty design with two ball bearings"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPKH-080-35-40-K12 Ident No.: 0014307	80	35	12	40	120
TPKH-100-35-40-K12 Ident No.: 0014308	100	35	12	40	150
TPKH-125-40-50-K15 Ident No.: 0014309	125	40	15	50	200
TPKH-150-45-60-K20 Ident No.: 0014310	150	45	20	60	260
TPKH-160-45-60-K20 Ident No.: 0014311	160	45	20	60	260
TPKH-200-50-60-K20 Ident No.: 0014312	200	50	20	60	350
TPKH-250-60-75-K25 Ident No.: 0016967	250	60	25	75	450

Suitable castors can be found on pages 139, 140, 189

Matching accessories can be found on page 432



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-TPKH-080-K-3 ID: 0029410	L-IL-TPKH-080-K-3-DSN ID: 0029416	B-IL-TPKH-080-K ID: 0029422	80	35	100	36	105 x 80	80 x 60	9	120
L-IL-TPKH-100-K-3 ID: 0029411	L-IL-TPKH-100-K-3-DSN ID: 0029417	B-IL-TPKH-100-K ID: 0029423	100	35	125	36	105 x 80	80 x 60	9	150
L-IK-TPKH-100-K-3-GP ID: 0015807	L-IK-TPKH-100-K-3-DSN-GP ID: 0040581	B-IK-TPKH-100-K-GP ID: 0040582	100	35	128	46	135 x 110	105 x 80	11	150
L-IL-TPKH-125-K-3 ID: 0029412	L-IL-TPKH-125-K-3-DSN ID: 0029418	B-IL-TPKH-125-K ID: 0029424	125	40	155	36	105 x 80	80 x 60	9	200
L-IK-TPKH-125-K-3-GP ID: 0015809	L-IK-TPKH-125-K-3-DSN-GP ID: 0015816	B-IK-TPKH-125-K-GP ID: 0015823	125	40	155	48	135 x 110	105 x 80	11	200
L-IL-TPKH-150-K-3 ID: 0034624	L-IL-TPKH-150-K-3-DSN ID: 0031761	B-IL-TPKH-150-K ID: 0033657	150	45	185	52	135 x 110	105 x 80	11	260
L-IL-TPKH-160-K-3 ID: 0029413	L-IL-TPKH-160-K-3-DSN ID: 0029419	B-IL-TPKH-160-K ID: 0029425	160	45	190	52	135 x 110	105 x 80	11	260
L-IL-TPKH-200-K-3 ID: 0029414	L-IL-TPKH-200-K-3-DSN ID: 0029420	B-IL-TPKH-200-K ID: 0029426	200	50	235	54	135 x 110	105 x 80	11	350
L-IS-TPKH-250-K-3 ID: 0029415	L-IL-TPKH-250-K-3-DSV ID: 0029421	B-IL-TPKH-250-K ID: 0029427	250	60	290	66	135 x 110	105 x 80	11	400
L-IP-TPKH-250-K-3-GP ID: 0040583	L-IP-TPKH-250-K-3-DSV-GP ID: 0040584	B-IP-TPKH-250-K-GP ID: 0040585	250	60	290	70	175 x 175	140 x 140	15	450



-1 (bolt hole)

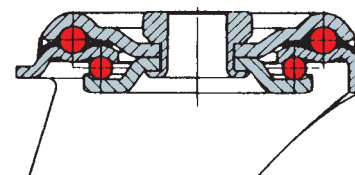


foot protection



1-DSN (bolt hole+  
double brake)

**thermoplastic** // standard housing IS, IL // up to 450 kg









#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LI)



**"Bolt hole 12 or 17 mm is optionally available for wheel diameters 160 and 200 mm"**



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-TPKH-080-K-1 ID: 0029428	L-IL-TPKH-080-K-1-DSN ID: 0029433	80	35	100	36	12	120
L-IL-TPKH-100-K-1 ID: 0029429	L-IL-TPKH-100-K-1-DSN ID: 0029434	100	35	125	38	12	150
L-IL-TPKH-125-K-1 ID: 0029430	L-IL-TPKH-125-K-1-DSN ID: 0029435	125	40	155	38	12	200
L-IL-TPKH-160-K-1 ID: 0029431	L-IL-TPKH-160-K-1-DSN ID: 0029436	160	45	190	52	12	260
L-IL-TPKH-200-K-1 ID: 0029432	L-IL-TPKH-200-K-1-DSN ID: 0029437	200	50	235	53	12	350



-3 (plate)



foot protection



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432

**thermoplastic**// standard housing IS, IL// up to 450 kg



smooth-  
running  
series

#### Features:

- PUBK wheel series:
- polyamide 6 wheel body with ball bearing
- polyurethane tread, approx. 95° shore A
- with thread guards to protect the ball bearing from dust and dirt






#### Properties:

- high load capacity
- low abrasion, non-marking, low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PSK)

#### floors



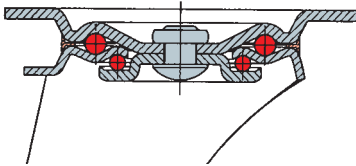
**"Affordable smooth-running  
series for heavier loads"**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUBK-080-30-40-K08 Ident No.: 0021578	80	30	8	40	100
PUBK-100-30-40-K08 Ident No.: 0021579	100	30	8	40	150
PUBK-125-35-50-K08 Ident No.: 0028532	125	35	8	50	200
PUBK-160-40-60-K12 Ident No.: 0026625	160	40	12	60	250
PUBK-200-50-60-K12 Ident No.: 0026626	200	50	12	60	300

Suitable castors can be found on pages 143, 144

Matching accessories can be found on page 432





#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-PUBK-080-K-3 ID: 0029465	L-IL-PUBK-080-K-3-DSN ID: 0029470	B-IL-PUBK-080-K ID: 0029475	80	30	100	36	105 x 80	80 x 60	9	100
L-IL-PUBK-100-K-3 ID: 0029466	L-IL-PUBK-100-K-3-DSN ID: 0029471	B-IL-PUBK-100-K ID: 0029476	100	30	125	36	105 x 80	80 x 60	9	150
L-IL-PUBK-125-K-3 ID: 0029467	L-IL-PUBK-125-K-3-DSN ID: 0029472	B-IL-PUBK-125-K ID: 0029477	125	35	155	36	105 x 80	80 x 60	9	200
L-IL-PUBK-160-K-3 ID: 0029468	L-IL-PUBK-160-K-3-DSN ID: 0029473	B-IL-PUBK-160-K ID: 0029478	160	40	190	52	135 x 110	105 x 80	11	250
L-IL-PUBK-200-K-3 ID: 0029469	L-IL-PUBK-200-K-3-DSN ID: 0029474	B-IL-PUBK-200-K ID: 0029479	200	47	235	54	135 x 110	105 x 80	11	300



-1 (bolt hole)



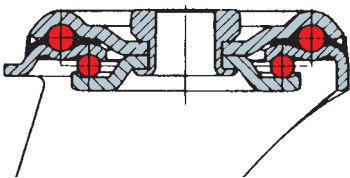
foot protection



1-DSN (bolt hole + double brake)

Matching accessories can be found on page 432







**polyurethane** // standard housing IS, IL // up to 300 kg



- Features:**
- castor series IS, IL:
  - steel sheet housing, galvanized
  - fork head with double ball bearing
  - seal with integrated ball spacer
  - (old designation: LCW)



***“Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm”***

swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-PUBK-080-K-1 ID: 0029480	L-IL-PUBK-080-K-1-DSN ID: 0029485	80	30	103	36	12	100
L-IL-PUBK-100-K-1 ID: 0029481	L-IL-PUBK-100-K-1-DSN ID: 0029486	100	30	125	38	12	150
L-IL-PUBK-125-K-1 ID: 0029482	L-IL-PUBK-125-K-1-DSN ID: 0029487	125	35	155	38	12	200
L-IL-PUBK-160-K-1 ID: 0029483	L-IL-PUBK-160-K-1-DSN ID: 0029488	160	40	190	52	12	250
L-IL-PUBK-200-K-1 ID: 0029484	L-IL-PUBK-200-K-1-DSN ID: 0029489	200	50	235	54	12	300



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

**floors****Features:**






- PUZK wheel series:
- polyamide 6 wheel body with ball bearing
- tread made of polyurethane, approx. 95° shore A

**Properties:**

- high load capacity
- low abrasion, non-marking
- shock-resistant, low rolling resistance
- resistant to oil and grease
- excellent chemical resistance
- resistant to cutting by metal chips
- (old designation: PUSKS)



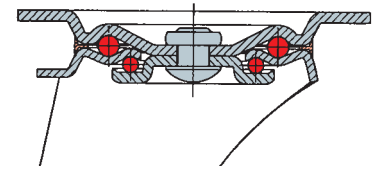
***"Versatile, affordable,  
optimally designed"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZK-080-35-40-K12 Ident No.: 0015450	80	35	12	40	150
PUZK-100-35-40-K12 Ident No.: 0015451	100	35	12	40	200
PUZK-125-40-50-K15 Ident No.: 0015452	125	40	15	50	250
PUZK-150-45-60-K20 Ident No.: 0015453	150	45	20	60	380
PUZK-160-45-60-K20 Ident No.: 0015454	160	45	20	60	400
PUZK-200-50-60-K20 Ident No.: 0015455	200	50	20	60	500
PUZK-250-60-75-K25 Ident No.: 0016975	250	60	25	75	700

Suitable castors can be found on pages 146, 147, 161, 191

Matching accessories can be found on page 432

# polyurethane // standard housing IS, IL // up to 450 kg



## Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-PUZK-080-K-3 ID: 0029784	L-IL-PUZK-080-K-3-DSN ID: 0029790	B-IL-PUZK-080-K ID: 0029796	80	35	100	36	105 x 80	80 x 60	9	150
L-IL-PUZK-100-K-3 ID: 0029785	L-IL-PUZK-100-K-3-DSN ID: 0029791	B-IL-PUZK-100-K ID: 0029797	100	35	125	36	105 x 80	80 x 60	9	180
L-IK-PUZK-100-K-3-GP ID: 0033329	L-IK-PUZK-100-K-3-DSN-GP ID: 0033330	B-IK-PUZK-100-K-GP ID: 0033327	100	35	128	46	135 x 110	105 x 80	11	180
L-IL-PUZK-125-K-3 ID: 0029786	L-IL-PUZK-125-K-3-DSN ID: 0029792	B-IL-PUZK-125-K ID: 0029798	125	40	155	36	105 x 80	80 x 60	9	225
L-IK-PUZK-125-K-3-GP ID: 0031091	L-IK-PUZK-125-K-3-DSN-GP ID: 0037786	B-IK-PUZK-125-K-GP ID: 0032272	125	40	155	48	135 x 110	105 x 80	11	225
L-IL-PUZK-150-K-3 ID: 0029787	L-IL-PUZK-150-K-3-DSN ID: 0029793	B-IL-PUZK-150-K ID: 0029799	150	45	185	52	135 x 110	105 x 80	11	300
L-IL-PUZK-160-K-3 ID: 0031634	L-IL-PUZK-160-K-3-DSN ID: 0031633	B-IL-PUZK-160-K ID: 0031690	160	45	190	52	135 x 110	105 x 80	11	300
L-IL-PUZK-200-K-3 ID: 0029788	L-IL-PUZK-200-K-3-DSN ID: 0029794	B-IL-PUZK-200-K ID: 0029800	200	50	235	54	135 x 110	105 x 80	11	400
L-IS-PUZK-250-K-3 ID: 0029789	L-IS-PUZK-250-K-3-DSV ID: 0029795	B-IS-PUZK-250-K ID: 0029801	250	60	290	66	135 x 110	105 x 80	11	400
L-IP-PUZK-250-K-3-GP ID: 0040590	L-IP-PUZK-250-K-3-DSV-GP ID: 0040591	B-IP-PUZK-250-K-GP ID: 0040592	250	60	290	70	175 x 175	140 x 140	15	450

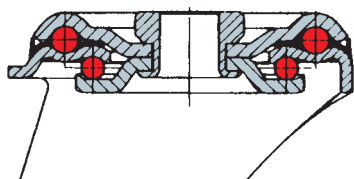


foot protection



3-DSV  
(plate+brake)

**polyurethane** // standard housing IS, IL // up to 450 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-PUZK-080-K-1 ID: 0029802	L-IL-PUZK-080-K-1-DSN ID: 0029808	80	35	100	36	12	150
L-IL-PUZK-100-K-1 ID: 0029803	L-IL-PUZK-100-K-1-DSN ID: 0029809	100	35	125	38	12	180
L-IL-PUZK-125-K-1 ID: 0029804	L-IL-PUZK-125-K-1-DSN ID: 0029810	125	40	155	38	12	200
L-IL-PUZK-150-K-1 ID: 0029805	L-IL-PUZK-150-K-1-DSN ID: 0029811	150	45	185	52	12	300
L-IL-PUZK-160-K-1 ID: 0032405	L-IL-PUZK-160-K-1-DSN ID: 0032404	160	45	190	52	12	300
L-IL-PUZK-200-K-1 ID: 0029806	L-IL-PUZK-200-K-1-DSN ID: 0029812	200	50	235	53	12	400



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**



-3 (plate)



3-DSN (plate+ double brake)



## Features:

- EPUK wheel series:
- wheel body made of polyamide 6 with 2 ball bearings
- tread made of elastic polyurethane, approx. 80° shore A rounded edges






## Properties:

- runs quietly
- non-marking, low abrasion
- impact-resistant
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- (old designation: PUKS)

## floors



***"Improved travel comfort thanks to elastic tread surface"***

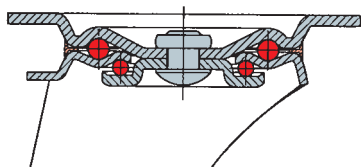
wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUK-080-35-40-K12 Ident No.: 0014301	80	35	12	40	130
EPUK-100-35-40-K12 Ident No.: 0014302	100	35	12	40	180
EPUK-125-40-50-K15 Ident No.: 0014303	125	40	15	50	200
EPUK-160-45-60-K20 Ident No.: 0014305	160	45	20	60	300
EPUK-200-48-60-K20 Ident No.: 0014306	200	48	20	60	450

Suitable castors can be found on pages 149, 150

Matching accessories can be found on page 432



## elastic polyurethane // standard housing IS, IL // up to 450 kg



### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-EPUK-080-K-3 ID: 0030099	L-IL-EPUK-080-K-3-DSN ID: 0030105	B-IL-EPUK-080-K ID: 0030111	80	35	100	36	105 x 80	80 x 60	9	130
L-IL-EPUK-100-K-3 ID: 0030100	L-IL-EPUK-100-K-3-DSN ID: 0030106	B-IL-EPUK-100-K ID: 0030112	100	35	125	36	105 x 80	80 x 60	9	180
L-IL-EPUK-125-K-3 ID: 0030101	L-IL-EPUK-125-K-3-DSN ID: 0030107	B-IL-EPUK-125-K ID: 0030113	125	40	155	36	105 x 80	80 x 60	9	200
L-IL-EPUK-150-K-3 ID: 0019390	L-IL-EPUK-150-K-3-DSN ID: 0019401	B-IL-EPUK-150-K ID: 0019412	150	45	185	52	135 x 110	105 x 80	11	250
L-IL-EPUK-160-K-3 ID: 0030102	L-IL-EPUK-160-K-3-DSN ID: 0030108	B-IL-EPUK-160-K ID: 0030114	160	45	190	52	135 x 110	105 x 80	11	300
L-IL-EPUK-200-K-3 ID: 0030103	L-IL-EPUK-200-K-3-DSN ID: 0030109	B-IL-EPUK-200-K ID: 0030115	200	47	235	54	135 x 110	105 x 80	11	400
L-IS-EPUK-250-K-3 ID: 0030104	L-IS-EPUK-250-K-3-DSV ID: 0030110	B-IS-EPUK-250-K ID: 0030116	250	60	290	66	135 x 110	105 x 80	11	400
L-IP-EPUK-250-K-3-GP ID: 0040587	L-IP-EPUK-250-K-3-DSV-GP ID: 0040588	B-IP-EPUK-250-K-GP ID: 0040589	250	60	290	70	175 x 175	140 x 140	15	450



-1 (bolt hole)



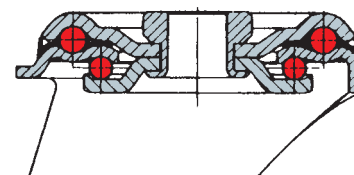
foot protection



1-DSN (bolt hole + double brake)

Matching accessories can be found on page 432

**elastic polyurethane** // standard housing IS, IL // up to 400 kg









#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**

swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-EPUK-080-K-1 ID: 0030117	L-IL-EPUK-080-K-1-DSN ID: 0030122	80	35	100	36	12	130
L-IL-EPUK-100-K-1 ID: 0030118	L-IL-EPUK-100-K-1-DSN ID: 0030123	100	35	125	38	12	180
L-IL-EPUK-125-K-1 ID: 0030119	L-IL-EPUK-125-K-1-DSN ID: 0030124	125	40	155	38	12	200
L-IL-EPUK-160-K-1 ID: 0030120	L-IL-EPUK-160-K-1-DSN ID: 0030125	160	45	190	52	12	300
L-IL-EPUK-200-K-1 ID: 0030121	L-IL-EPUK-200-K-1-DSN ID: 0030126	200	47	235	53	12	400



-3 (plate)



-3 (plate)



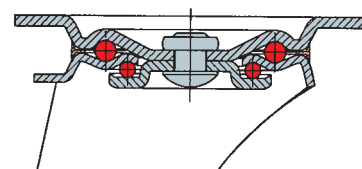
3-DSN (plate+  
double brake)

Matching accessories can be found on page 432



**elastic polyurethane**// standard housing IS, IL// up to 400 kg

**pneumatic tires //** standard housing AH, IP **//** up to 250 kg



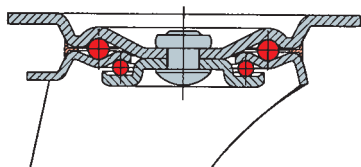
#### Features:

- castor series AH, IP:
- steel sheet housing, galvanized
- fork head with double ball bearing
- plastic rim
- seal with integrated ball spacer
- (old designation: LCW )



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-AH-LRK1-150-K-3 ID: 0018596	L-AH-LRK1-150-K-3-DSN ID: 0018597	B-AH-LRK1-150-K ID: 0033606	150	30	188	48	77 x 67	60 x 50	9	50
L-IP-LRK1-230-R-3 ID: 0034228	L-IP-LRK1-230-R-3-DSV ID: 0037263	B-IP-LRK1-230-R ID: 0034229	230	65	255	61	135 x 110	105 x 80	11	130
L-IP-LRK2-260-R-3 ID: 0030990	L-IP-LRK2-260-R-3-DSV ID: 0030989	B-IP-LRK1-260-R ID: 0031007	260	85	295	70	175 x 175	140 x 140	15	200
L-IP-LRK1-400-R-3 ID: 0035726		B-IP-LRK1-400-R ID: 0041462	400	100	458	75	150 x 150	125 x 125	10	250

Matching accessories can be found on page 432



#### Features:

- castor series AH, IP:
- steel sheet housing, galvanized
- fork head with double ball bearing
- steel rim
- seal with integrated ball spacer
- (old designation: LCW,  
LRS1 and LRS4 = rib,  
LRS2 and LRS5 = country,  
LSS3 = military)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IS-LRS1-185-R-3 ID: 0024216	L-IS-LRS1-185-R-3-DSN ID: 0024215	B-IS-LRS1-185-R ID: 0024217	185	45	210	53	135 x 110	105 x 80	11	50
L-IL-LRS1-200-R-3 ID: 0018600	L-IL-LRS1-200-R-3-DSN ID: 0018603	B-IL-LRS1-200-R ID: 0015138	200	50	235	54	135 x 110	105 x 80	11	75
L-IP-LRS1-230-R-3 ID: 0018604	L-IP-LRS1-230-R-3-DSV ID: 0018605	B-IP-LRS1-230-R ID: 0015140	230	65	255	61	135 x 110	105 x 80	11	130
L-IP-LRS3-230-R-3 ID: 0018606	L-IP-LRS3-230-R-3-DSV ID: 0018607	B-IP-LRS3-230-R ID: 0015141	230	65	255	61	135 x 110	105 x 80	11	130
L-IP-LRS4-245-R-3 ID: 0018615	L-IP-LRS4-245-R-3-DSV ID: 0018616	B-IP-LRS4-245-R ID: 0015144	245	80	288	70	175 x 175	140 x 140	15	250
L-IP-LRS1-260-R-3 ID: 0018608	L-IP-LRS1-260-R-3-DSV ID: 0018610	B-IP-LRS1-260-R ID: 0015142	260	85	295	70	175 x 175	140 x 140	15	200
L-IP-LRS2-260-R-3 ID: 0018612	L-IP-LRS2-260-R-3-DSV ID: 0018613	B-IP-LRS2-260-R ID: 0015143	260	85	295	70	175 x 175	140 x 140	15	200
L-IP-LRS5-300-R-3 ID: 0018618		B-IP-LRS5-300-R ID: 0015145	300	100	408	75	150 x 150	125 x 125	10	250
L-IP-LRS1-400-R-3 ID: 0018634		B-IP-LRS1-400-R ID: 0015146	400	100	458	75	150 x 150	125 x 125	10	250
L-IP-LRS2-400-R-3 ID: 0018635		B-IP-LRS2-400-R ID: 0015147	400	100	458	75	150 x 150	125 x 125	10	250

Matching accessories can be found on page 432


**Features:**

- GPSK wheel series:
- plastic wheel body with ball and roller bearings
- tread made of expanded (foam) polyurethane
- the alternative to pneumatic tires

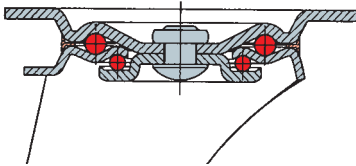
**Properties:**

- minimal impact on floor
- absorbs vibration
- low rolling resistance on uneven floors
- (old designation: PSR)

**floors**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GPSK-100-30-37-K08 Ident No.: 0022714	100	30	8	37	60
GPSK-125-30-34-K08 Ident No.: 0022715	125	30	8	34	75
GPSK-150-30-50-K08 Ident No.: 0036949	150	30	8	50	75
GPSK-175-30-60-K08 Ident No.: 0022717	175	30	8	60	75
GPSK-200-50-60-K08 Ident No.: 0036950	200	50	8	60	100
GPVK-245-85-75-R20 Ident No.: 0037214	245	85	20	75	125
GPSK-260-85-75-R20 Ident No.: 0022720	260	85	20	75	200
GPVS-400-90-75-R25 Ident No.: 0037262	400	90	25	75	200

**expanded (foam) polyurethane** // standard housing AH, IP // up to 200 kg



#### Features:

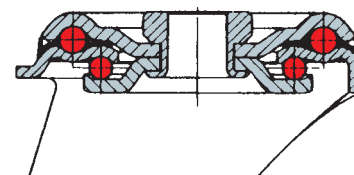
- castor series AH, IP:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-AH-GPSK-100-K-3 ID: 0018576	L-AH-GPSK-100-K-3-DSN ID: 0018577	B-AH-GPSK-100-K ID: 0015133	100	30	138	39	77 x 67	59 x 50	9	60
L-AH-GPSK-125-K-3 ID: 0018580	L-AH-GPSK-125-K-3-DSN ID: 0018581	B-AH-GPSK-125-K ID: 0015134	125	30	161	42	77 x 67	59 x 50	9	75
L-AH-GPSK-150-K-3 ID: 0018584	L-AH-GPSK-150-K-3-DSN ID: 0018585	B-AH-GPSK-150-K ID: 0012621	150	30	188	48	77 x 67	58 x 49	9	75
L-IL-GPSK-200-K-3 ID: 0018588	L-IL-GPSK-200-K-3-DSN ID: 0018589	B-IL-GPSK-200-K ID: 0015135	200	50	235	54	135 x 110	105 x 80	10.9	100
L-IP-GPVK-245-R-3 ID: 0030311	L-IP-GPVK-245-R-3-DSV ID: 0030313	B-IP-GPSK-245-R ID: 0030314	245	85	288	70	175 x 175	140 x 140	14	125
L-IP-GPSK-260-R-3 ID: 0018590	L-IP-GPSK-260-R-3-DSV ID: 0018592	B-IP-GPSK-260-R ID: 0015136	260	85	295	70	175 x 175	140 x 140	14	200
L-IP-GPVS-400-R-3 ID: 0030312		B-IP-GPSK-400-R ID: 0030315	400	100	458	75	150 x 150	125 x 125	10.5	200

Matching accessories can be found on page 432

**expanded (foam) polyurethane** // standard housing AH, IP // up to 200 kg



#### Features:

- castor series AH, IP:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)

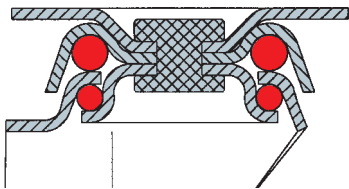


swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AH-GPSK-100-K-1 ID: 0018578	L-AH-GPSK-100-K-1-DSN ID: 0018579	100	30	135	39	12	60
L-AH-GPSK-125-K-1 ID: 0018582	L-AH-GPSK-125-K-1-DSN ID: 0018583	125	30	158	42	12	75
L-AH-GPSK-150-K-1 ID: 0018586	L-AH-GPSK-150-K-1-DSN ID: 0018587	150	30	184	48	12	75
L-IL-GPSK-200-K-1 ID: 0034709	L-IL-GPSK-200-K-1-DSN ID: 0035486	200	50	235	54	12	100

Matching accessories can be found on page 432

**expanded (foam) polyurethane** // standard housing AH, IP // up to 200 kg

polyurethane // heavy apparatus castors AH Mini/heavy // up to 150 kg



Features:

- castor series AH Mini/heavy:
- heavy, pressed apparatus housing, galvanized
- polyurethane wheels, ball bearing
- fork head with double ball bearing



*“New series, also available with polyamide wheel”*



swivel castors	swivel castors with wheel brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-AH-PUBA-035-K-3 ID: 0040612	L-AH-PUBA-035-K-3-RF ID: 0040613	B-AH-PUBA-035-K-3 ID: 0040614	35	27	52	15	60 x 60	47 x 47	6	100
L-AH-PUBA-050-K-3 ID: 0040618	L-AH-PUBA-050-K-3-DSN ID: 0040619	B-AH-PUBA-050-K-3 ID: 0040620	50	40	82	37	80 x 80	60 x 60	8	150



polyamide



polyamide

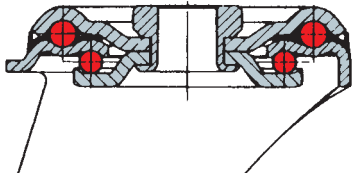


polyamide

Matching accessories can be found on page 432



## polyurethane // heavy apparatus castors AH Mini/heavy // up to 150 kg









### Features:

- castor series AH Mini/heavy:
- heavy, pressed apparatus housing, galvanized
- polyurethane wheels, ball bearing
- fork head with double ball bearing



***"New series, also available with polyamide wheel"***



swivel castors	swivel castors with wheel brake	fixed castors						
			wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AH-PUBA-035-K-1 ID: 0040615	L-AH-PUBA-035-K-1-RF ID: 0040616	B-AH-PUBA-035-K-1 ID: 0040617	35	27	50	15	10	100
L-AH-PUBA-050-K-1 ID: 0040621	L-AH-PUBA-050-K-1-DSN ID: 0040660		50	40	76	37	12	150



polyamide



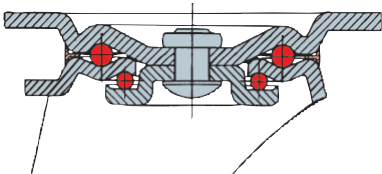
polyamide



polyamide

Matching accessories can be found on page 432

**elastic rubber** // medium-weight housing IN // up to 250 kg



**Features:**

- castor series IN (new):
- heavy steel plate housing, galvanized
- fork head with double ball bearing



*“New series, also available with polyamide wheel”*



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IN-EGA-100-K-3 ID: 0040570	L-IN-EGA-100-K-3-DSN ID: 0040571	B-IN-EGA-100-K-3 ID: 0040572	100	40	129	40	105 x 86	80 x 60	10	180
L-IN-EGK-125-K-3-grey ID: 0040370	L-IN-EGK-125-K-3-DSN-grey ID: 0040371	B-IN-EGK-125-K-3-grey ID: 0040372	125	36	157	43	105 x 86	80 x 60	10	250



wheel ø 125 mm  
with grey rubber

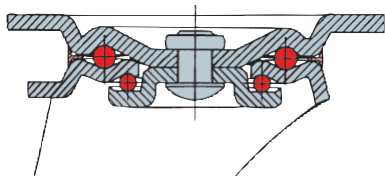


wheel ø 125 mm  
with grey rubber



wheel ø 125 mm  
with grey rubber

Matching accessories can be found on page 432



Features:

- castor series IN (new):
- heavy steel plate housing, galvanized
- fork head with double ball bearing



*"New series, also available with polyamide wheel"*



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IN-PUZA-100-K-3 ID: 0040360	L-IN-PUZA-100-K-3-DSN ID: 0040361	B-IN-PUZA-100-K-3 ID: 0040362	100	40	129	40	105 x 86	80 x 60	10	250
L-IN-PUZK-125-K-3 ID: 0040366	L-IN-PUZK-125-K-3-DSN ID: 0040367	B-IN-PUZK-125-K-3-DSN ID: 0040368	125	40	157	43	105 x 86	80 x 60	10	250



castors with  
wheel ø 100 mm

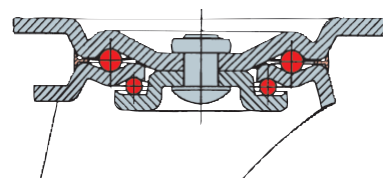


castors with  
wheel ø 100 mm



castors with  
wheel ø 100 mm

## plastic// medium-weight housing IN // up to 250 kg



### Features:

- castor series IN (new):
- heavy steel plate housing, galvanized
- fork head with double ball bearing



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IN-PAM-100-K-3 ID: 0040357	L-IN-PAM-100-K-3-DSN ID: 0040358	B-IN-PAM-100-K ID: 0040359	100	35	129	40	105 x 86	80 x 60	10	250
L-IN-PPH-125-K-3 ID: 0040363	L-IN-PPH-125-K-3-DSN ID: 0040364	B-IN-PPH-125-K ID: 0040365	125	40	157	43	105 x 86	80 x 60	10	250

Matching accessories can be found on page 432

**plastic //** medium-weight housing IN **//** up to 250 kg



smooth-running series

## Features:

- PPBL wheel series:
- polypropylene wheel body with ball bearing
- with thread guards to protect the ball bearing from dust and dirt






## Properties:

- excellent chemical resistance
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PPK)

## floors

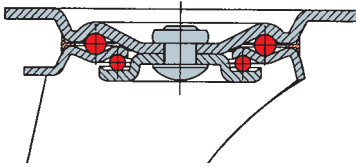


**"Low-cost smooth-running ball bearing series: for flat floors"**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PPBL-080-30-40-K08 Ident No.: 0021575	80	30	8	40	150
PPBL-100-30-40-K08 Ident No.: 0021576	100	30	8	40	180
PPBL-125-35-50-K08 Ident No.: 0028534	125	35	8	50	210
PPBL-160-40-60-K12 Ident No.: 0026623	160	40	12	60	300
PPBL-200-47-60-K12 Ident No.: 0026624	200	47	12	60	400

Suitable castors can be found on pages 165, 166

Matching accessories can be found on page 432



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-PPBL-080-K-3 ID: 0029440	L-IL-PPBL-080-K-3-DSN ID: 0029445	B-IL-PPBL-080-K ID: 0029450	80	30	100	36	105 x 80	80 x 60	9	150
L-IL-PPBL-100-K-3 ID: 0029441	L-IL-PPBL-100-K-3-DSN ID: 0029446	B-IL-PPBL-100-K ID: 0029451	100	30	125	36	105 x 80	80 x 60	9	180
L-IL-PPBL-125-K-3 ID: 0029442	L-IL-PPBL-125-K-3-DSN ID: 0029447	B-IL-PPBL-125-K ID: 0029452	125	35	155	36	105 x 80	80 x 60	9	210
L-IL-PPBL-160-K-3 ID: 0029443	L-IL-PPBL-160-K-3-DSN ID: 0029448	B-IL-PPBL-160-K ID: 0029453	160	40	190	52	135 x 110	105 x 80	11	300
L-IL-PPBL-200-K-3 ID: 0029444	L-IL-PPBL-200-K-3-DSN ID: 0029449	B-IL-PPBL-200-K ID: 0029454	200	47	235	54	135 x 110	105 x 80	11	350

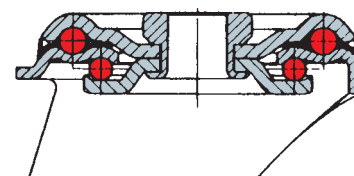


-1 (bolt hole)



1-DSN (bolt hole+  
double brake)

**polypropylene** // standard housing IS, IL // up to 350 kg









#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-PPBL-080-K-1 ID: 0029455	L-IL-PPBL-080-K-1-DSN ID: 0029460	80	30	100	36	12	150
L-IL-PPBL-100-K-1 ID: 0029456	L-IL-PPBL-100-K-1-DSN ID: 0029461	100	30	125	38	12	180
L-IL-PPBL-125-K-1 ID: 0029457	L-IL-PPBL-125-K-1-DSN ID: 0029462	125	35	155	38	12	210
L-IL-PPBL-160-K-1 ID: 0029458	L-IL-PPBL-160-K-1-DSN ID: 0029463	160	40	190	52	12	300
L-IL-PPBL-200-K-1 ID: 0029459	L-IL-PPBL-200-K-1-DSN ID: 0029464	200	47	235	54	12	350



-3 (plate)



3-DSN (plate+  
double brake)

**Matching accessories can be found on page 432**








**floors****Features:**

- PPH wheel series:
- polypropylene wheel body with 2 ball bearings

**Properties:**

- excellent chemical resistance
- high load capacity
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PPKS)

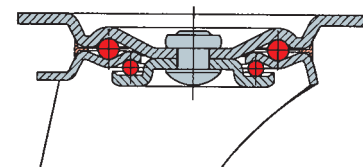


wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PPH-080-35-40-K12 Ident No.: 0015426	80	35	12	40	150
PPH-100-35-40-K12 Ident No.: 0015427	100	35	12	40	200
PPH-125-40-50-K15 Ident No.: 0015428	125	40	15	50	300
PPH-150-45-60-K20 Ident No.: 0015429	150	45	20	60	450
PPH-160-45-60-K20 Ident No.: 0015430	160	45	20	60	450
PPH-200-50-60-K20 Ident No.: 0015431	200	50	20	60	550
PPH-250-60-75-K25 Ident No.: 0016963	250	60	25	75	700

Suitable castors can be found on pages 168, 169

Matching accessories can be found on page 432

## polypropylene // standard housing IS, IL // up to 350 kg



### Features:

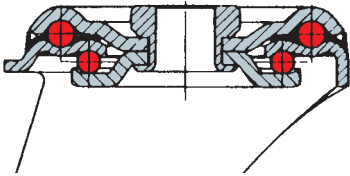
- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-PPH-080-K-3 ID: 0029998	L-IL-PPH-080-K-3-DSN ID: 0030004	B-IL-PPH-080-K ID: 0030010	80	35	100	36	105 x 80	80 x 60	9	150
L-IL-PPH-100-K-3 ID: 0029999	L-IL-PPH-100-K-3-DSN ID: 0030005	B-IL-PPH-100-K ID: 0030011	100	35	125	36	105 x 80	80 x 60	9	200
L-IL-PPH-125-K-3 ID: 0030000	L-IL-PPH-125-K-3-DSN ID: 0030006	B-IL-PPH-125-K ID: 0030012	125	40	155	36	105 x 80	80 x 60	9	200
L-IL-PPH-150-K-3 ID: 0030001	L-IL-PPH-150-K-3-DSN ID: 0030007	B-IL-PPH-150-K ID: 0030013	150	45	185	52	135 x 110	105 x 80	11	300
L-IL-PPH-160-K-3 ID: 0032857	L-IL-PPH-160-K-3-DSN ID: 0032858	B-IL-PPH-160-K ID: 0032859	160	45	190	52	135 x 110	105 x 80	11	300
L-IL-PPH-200-K-3 ID: 0030002	L-IL-PPH-200-K-3-DSN ID: 003,0008	B-IL-PPH-200-K ID: 0030014	200	50	235	54	135 x 110	105 x 80	11	350
L-IK-PPH-250-K-3 ID: 0030003	L-IK-PPH-250-K-3-DSV ID: 0030499	B-IK-PPH-250-K ID: 0030015	250	60	290	66	135 x 110	105 x 80	11	350

Matching accessories can be found on page 432







**polypropylene** // standard housing IS, IL // up to 350 kg



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



							
swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-PPH-080-K-1 ID: 0030016	L-IL-PPH-080-K-1-DSN ID: 0030021	80	34	100	36	12	150
L-IL-PPH-100-K-1 ID: 0030017	L-IL-PPH-100-K-1-DSN ID: 0030022	100	34	125	38	12	200
L-IL-PPH-125-K-1 ID: 0030018	L-IL-PPH-125-K-1-DSN ID: 0030023	125	40	155	38	12	200
L-IL-PPH-150-K-1 ID: 0030019	L-IL-PPH-150-K-1-DSN ID: 0030024	150	45	185	52	12	300
L-IL-PPH-200-K-1 ID: 0030020	L-IL-PPH-200-K-1-DSN ID: 0030025	200	50	235	54	12	350



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**

Matching accessories can be found on page 432



## Features:

- PALB and PALZ wheel series, with plain bearings:
- polyamide 6 wheel body with plain bearings
- polyamide 6 can absorb and release moisture






## Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- (old designation: POD/TG)

## floors

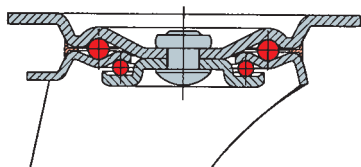


***"Our PALB series with strongly convex running surface: excellent turning characteristics"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PALZ-058-25-34-G10 Ident No.: 0021360	58	25	10	34	100
PALZ-065-30-40-G12 Ident No.: 0024698	65	30	12	40	120
PALB-080-33-40-G12 Ident No.: 0033518	80	33	12	40	150
PALB-100-35-40-G12 Ident No.: 0033519	100	35	12	40	200
PALB-125-36-50-G15 Ident No.: 0033520	125	36	15	50	300
PALB-150-40-58-G20 Ident No.: 0033521	150	40	20	58	450
PALZ-175-48-60-G20 Ident No.: 0024713	175	48	20	60	500
PALB-200-48-58-G20 Ident No.: 0033522	200	48	20	58	550
PALZ-250-58-75-G25 Ident No.: 0024717	250	58	25	75	700

Suitable castors can be found on pages 171, 172

Matching accessories can be found on page 432



#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-PALB-080-G-3 ID: 0033821	L-IL-PALB-080-G-3-DSN ID: 0033828	B-IL-PALB-080-G ID: 0033833	80	33	100	36	105 x 80	80 x 60	9	150
L-IL-PALB-100-G-3 ID: 0033822	L-IL-PALB-100-G-3-DSN ID: 0033829	B-IL-PALB-100-G ID: 0033834	100	35	125	36	105 x 80	80 x 60	9	200
L-IL-PALB-125-G-3 ID: 0033823	L-IL-PALB-125-G-3-DSN ID: 0033830	B-IL-PALB-125-G ID: 0033835	125	36	155	36	105 x 80	80 x 60	9	200
L-IL-PALB-150-G-3 ID: 0033824	L-IL-PALB-150-G-3-DSN ID: 0033831	B-IL-PALB-150-G ID: 0033836	150	40	185	52	135 x 110	105 x 80	11	300
L-IL-PALZ-175-G-3 ID: 0029608	L-IL-PALZ-175-G-3-DSN ID: 0029614	B-IL-PALZ-175-G ID: 0029602	175	45	208	52	135 x 110	105 x 80	11	350
L-IL-PALB-200-G-3 ID: 0033827	L-IL-PALB-200-G-3-DSN ID: 0033832	B-IL-PALB-200-G ID: 0033837	200	48	235	54	135 x 110	105 x 80	11	350
L-LK-PALZ-250-G-3 ID: 0029973	L-LK-PALZ-250-G-3-DSV ID: 0029975	B-IL-PALZ-250-G ID: 0029977	250	58	290	66	135 x 110	105 x 80	11	400
L-IP-PALZ-250-G-3-GP ID: 0029974	L-IP-PALZ-250-G-3-DSV-GP ID: 0029976	B-IP-PALZ-250-G-GP ID: 0029978	250	58	290	70	175 x 175	140 x 140	14	450



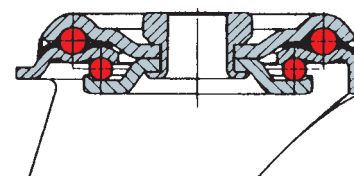
-1 (bolt hole)



1-DSN (bolt hole+  
double brake)

Matching accessories can be found on page 432

**polyamide**// standard housing IS, IL// up to 350 kg









#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 150 and 200 mm"**



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-PALB-080-G-1 ID: 0033782	L-IL-PALB-080-G-1-DSN ID: 0033805	80	33	100	36	12	150
L-IL-PALB-100-G-1 ID: 0033783	L-IL-PALB-100-G-1-DSN ID: 0033806	100	35	125	36	12	200
L-IL-PALB-125-G-1 ID: 0033784	L-IL-PALB-125-G-1-DSN ID: 0033807	125	36	155	36	12	200
L-IL-PALB-150-G-1 ID: 0033803	L-IL-PALB-150-G-1-DSN ID: 0033808	150	40	185	52	12	300
L-IL-PALB-200-G-1 ID: 0033804	L-IL-PALB-200-G-1-DSN ID: 0033809	200	48	235	54	16	350



-3 (plate)



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432

## floors



## Features:

- PALB and PALZ wheel series, with roller bearings:
- polyamide 6 wheel body with roller bearings
- polyamide 6 can absorb and release moisture

## Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POD/TR)



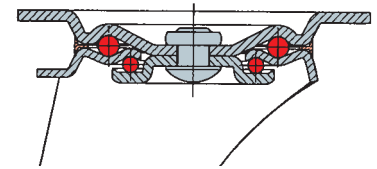
***“Our PALB series with strongly convex running surface: excellent turning characteristics”***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PALZ-058-29-31-R10 Ident No.: 0035502	58	29	10	31	75
PALZ-065-30-40-R12 Ident No.: 0025281	65	30	12	40	120
PALB-080-33-40-R12 Ident No.: 0033523	80	33	12	40	150
PALB-100-35-40-R12 Ident No.: 0033524	100	35	12	40	200
PALB-125-36-50-R15 Ident No.: 0033525	125	36	15	50	300
PALB-150-40-58-R20 Ident No.: 0033526	150	40	20	58	450
PALZ-175-48-60-R20 Ident No.: 0025294	175	48	20	60	500
PALB-200-48-58-R20 Ident No.: 0033527	200	48	20	58	550
PALZ-250-58-75-R25 Ident No.: 0025297	250	58	25	75	700

Suitable castors can be found on pages 174, 175

Matching accessories can be found on page 432

# polyamide// standard housing IS, IL// up to 450 kg



## Features:

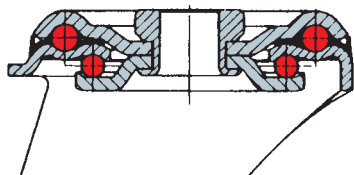
- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IS-PALZ-058-R-3 ID: 0012175		B-IS-PALZ-058-R ID: 0012134	58	29	76	21	80 x 60	60 x 40	7	75
L-IS-PALZ-065-R-3-black ID: 0012178		B-IS-PALZ-065-R-black ID: 0012136	65	32	87	20	95 x 70	75 x 45	7	100
L-IL-PALB-080-R-3 ID: 0033839	L-IL-PALB-080-R-3-DSN ID: 0033845	B-IL-PALB-080-R ID: 0033850	80	33	100	36	105 x 80	80 x 60	9	150
L-IL-PALB-100-R-3 ID: 0033841	L-IL-PALB-100-R-3-DSN ID: 0033846	B-IL-PALB-100-R ID: 0033851	100	35	125	36	105 x 80	80 x 60	9	200
L-IK-PALZ-100-R-3-GP ID: 0031009	L-IL-PALZ-100-R-3-DSN ID: 0038110	B-IL-PALZ-100-3 ID: 0038111	100	38	128	45	135 x 110	105 x 80	11	200
L-IL-PALB-125-R-3 ID: 0033842	L-IL-PALB-125-R-3-DSN ID: 0033847	B-IL-PALB-125-R ID: 0033852	125	36	155	36	105 x 80	80 x 60	9	200
L-IK-PALZ-125-R-3-GP ID: 0012236	L-IL-PALZ-125-R-3-DSV ID: 0031305	B-IL-PALZ-125-R ID: 0012157	125	38	155	48	135 x 110	105 x 80	11	300
L-IL-PALB-150-R-3 ID: 0033843	L-IL-PALB-150-R-3-DSN ID: 0033848	B-IL-PALB-150-R ID: 0033853	150	40	185	52	135 x 110	105 x 80	11	300
L-IS-PALZ-175-R-3 ID: 0029552	L-IS-PALZ-175-R-3-DSN ID: 0029559	B-IS-PALZ-175-R ID: 0029566	175	45	208	52	135 x 105	105 x 80	11	350
L-IL-PALB-200-R-3 ID: 0033844	L-IL-PALB-200-R-3-DSN ID: 0033849	B-IL-PALB-200-R ID: 0033854	200	48	235	54	135 x 110	105 x 80	11	350
L-IK-PALZ-250-R-3 ID: 0012456	L-IK-PALZ-250-R-3-DSN ID: 0012457	B-IK-PALZ-250-R ID: 0012172	250	58	290	66	135 x 110	105 x 80	11	400
L-IP-PALZ-250-R-3-GP ID: 0029554	L-IP-PALZ-250-R-3-DSV-GP ID: 0029561	B-IP-PALZ-250-R-GP ID: 0029568	250	58	290	70	175 x 175	140 x 140	15	450

Matching accessories can be found on page 432





#### Features:

- castor series IS, IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-PALB-080-R-1 ID: 0033810	L-IL-PALB-080-R-1-DSN ID: 0033815	80	33	100	36	12	150
L-IL-PALB-100-R-1 ID: 0033811	L-IL-PALB-100-R-1-DSN ID: 0033816	100	35	125	36	12	200
L-IL-PALB-125-R-1 ID: 0033812	L-IL-PALB-125-R-1-DSN ID: 0033817	125	36	155	36	12	200
L-IL-PALB-150-R-1 ID: 0033813	L-IL-PALB-150-R-1-DSN ID: 0033818	150	40	185	52	12	300
L-IL-PALB-200-R-1 ID: 0033814	L-IL-PALB-200-R-1-DSN ID: 0033819	200	48	235	54	16	350



**"Bolt hole 12 or 16 mm is optionally available for wheel diameters 160 and 200 mm"**



Features:

- HDK wheel series:
- plastic wheel body, black, with plain bearings

Properties:






- extremely temperature resistant: -40° C to +250° C
- (old designation: HI)

Note:

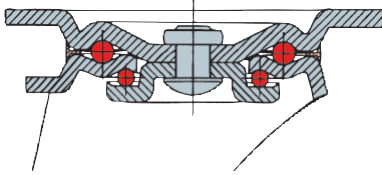
These wheels are not entirely suitable for crossing thresholds and for use on uneven floors.

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
HDK-080-33-40-G12 Ident No.: 0016807	80	33	12	40	150
HDK-100-34-40-G12 Ident No.: 0016809	100	34	12	40	160
HDK-125-40-48-G15 Ident No.: 0016814	125	40	15	48	180
HDK-150-50-58-G20 Ident No.: 0016818	150	50	20	58	250
HDK-200-52-58-G20 Ident No.: 0016822	200	52	20	58	300

**heat-resistant plastic //** standard housing IT **//** up to 300 kg



#### Features:

- castor series IT:
- steel sheet housing, shiny galvanized
- fork head with double ball bearing
- without plastic seal in the fork head
- with temperature-resistant grease
- (old designation: LO)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IT-HDK-080-G-3 ID: 0030244	L-IT-HDK-080-G-3-DSN ID: 0030249	B-IT-HDK-080-G ID: 0030254	80	33	108	36	100 x 80	80 x 60	9	90
L-IT-HDK-100-G-3 ID: 0030245	L-IT-HDK-100-G-3-DSN ID: 0030250	B-IT-HDK-100-G ID: 0030255	100	34	128	36	100 x 80	80 x 60	9	110
L-IT-HDK-125-G-3 ID: 0030246	L-IT-HDK-125-G-3-DSN ID: 0030251	B-IT-HDK-125-G ID: 0030256	125	38	158	41	117 x 85	80 x 60	9	150
L-IT-HDK-150-G-3 ID: 0030247	L-IT-HDK-150-G-3-DSN ID: 0030252	B-IT-HDK-150-G ID: 0030257	150	50	202	46	133 x 106	105 x 80	12	200
L-IT-HDK-200-G-3 ID: 0030248	L-IT-HDK-200-G-3-DSN ID: 0030253	B-IT-HDK-200-G ID: 0030258	200	52	239	54	140 x 110	105 x 80	12	300

Matching accessories can be found on page 432



Features:

- HGK wheel series:
- wheel body made of plastic, black, with plain or ball bearing
- rubber tread, red

Properties:






- non-marking
- permanently elastic
- extremely temperature resistant: -60° C to +250° C
- (old designation: HI-Soft)

Note:

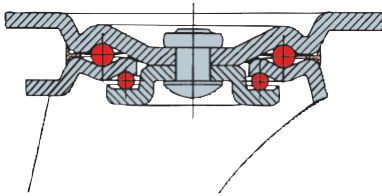
The specified load-carrying capacity is reduced by approx. 30% at the max. warming

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
HGK-080-30-39-G12 Ident No.: 0034413	80	30	12	39	40
HGK-100-30-38-G12 Ident No.: 0016811	100	30	12	38	60
HGK-125-30-38-G12 Ident No.: 0016816	125	30	12	38	80
HGK-150-40-58-K20 Ident No.: 0033075	150	40	20	58	100
HGK-200-50-59-G20 Ident No.: 0080034	200	50	20	59	200

**heat-resistant rubber** // standard housing IT // up to 100 kg



#### Features:

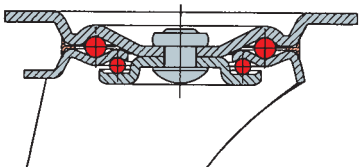
- castor series IT:
- steel sheet housing, shiny galvanized
- fork head with double ball bearing
- without plastic seal in the fork head
- with temperature-resistant grease
- (old designation: LO)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IT-HGK-100-G-3 ID: 0030259	L-IT-HGK-100-G-3-DSN ID: 0030261	B-IT-HGK-100-G ID: 0030263	100	30	128	36	100 x 80	80 x 60	9	60
L-IT-HGK-125-G-3 ID: 0030260	L-IT-HGK-125-G-3-DSN ID: 0030262	B-IT-HGK-125-G ID: 0030264	125	30	155	41	100 x 80	80 x 60	9	80
L-IT-HGK-150-K-3 ID: 0032862	L-IT-HGK-150-G-3-DSN ID: 0040652	B-IT-HGK-150-K ID: 0032863	150	40	202	46	130 x 106	105 x 80	11	100

Matching accessories can be found on page 432

heat-resistant rubber // stainless steel standard series IV // up to 80 kg



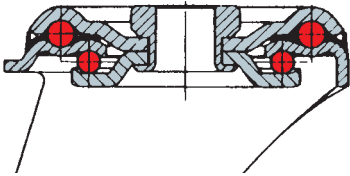
- Features:**
- castor series IV:
  - standard stainless steel housing
  - fork head with double ball bearing
  - all mounted parts are resistant to rust and acid
  - (old designation: RFL/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IV-HGK-100-G-3 ID: 0023430	L-IV-HGK-100-G-3-DSN ID: 0023431	B-IV-HGK-100-G ID: 0023298	100	30	128	32	100 x 80	80 x 60	9	60
L-IV-HGK-125-G-3 ID: 0023432	L-IV-HGK-125-G-3-DSN ID: 0023433	B-IV-HGK-125-G ID: 0023299	125	30	155	32	100 x 80	80 x 60	9	100

Matching accessories can be found on page 432

## heat-resistant rubber // stainless steel standard series IV // up to 100 kg



### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IV-HGK-100-G-1 ID: 0034185	L-IV-HGK-100-G-1-DSN ID: 0035735	100	30	128	32	12	60
L-IV-HGK-125-G-1 ID: 0036981	L-IV-HGK-125-G-1-DSN ID: 0037325	125	30	155	32	12	80
L-IV-HGK-150-K-1 ID: 0035009	L-IV-HGK-150-K-1-DSN ID: 0035010	150	40	192	52	12	100

Matching accessories can be found on page 432

## MEDIUM-WEIGHT CASTORS UP TO 700 KG



SERIES	medium-weight castors elastic solid rubber	medium-weight castors thermoplastic	medium-weight castors polyurethane	medium-weight castors elastic polyurethane	medium-weight castors polyamide
LOAD-CARRYING CAPACITY	up to 500 kg	up to 450 kg	up to 700 kg	up to 700 kg	up to 700 kg
WHEEL-Ø	80 mm – 250 mm	80 mm – 250 mm	80 mm – 250 mm	80 mm – 250 mm	80 mm – 250 mm
MATERIAL/TIRES	elastic solid rubber	thermoplastic	polyurethane	elastic polyurethane	polyamide
BEARING	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing
PAGES	<b>186</b>	<b>188</b>	<b>190</b>	<b>194</b>	<b>196</b>



***“Hardened bearing shells”***







## Castors with **medium-weight housing up to 700 kg**

Torwegge's medium-duty series of housing are made from deep-drawn, galvanized steel sheet with a stronger design to match the tougher operational demands. The top of the housing has double ball bearings and stable rivets. Medium-duty castors are commonly used by a variety of industrial sectors in transport racks. They can carry a max. load of 1,800 kg at 4 m/h.

### Housing description

- 🔗 version with mounting plate
- 🔗 double brake for the post-run
- 🔗 fork head with double ball bearing
- 🔗 riveted fork head
- 🔗 seal with integrated ball spacer
- 🔗 maintenance-free: lubricated with long-life grease
- 🔗 can be retrofitted with foot protection

### Temperature range

-25° C to + 90° C

### areas of use // floors





#### Features:

- EGA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread surface made of elastic solid rubber, black, approx. 65° shore A






#### Properties:

- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- also available with grey wheels
- (old designation: F3)

#### floors



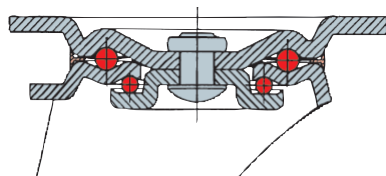
*"Super travelling comfort"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-080-38-40-K12 Ident No.: 0017789	80	38	12	40	120
EGA-100-40-40-K12 Ident No.: 0038446	100	40	12	40	180
EGA-125-40-50-K20 Ident No.: 0038447	125	40	20	50	200
EGA-160-50-60-K20 Ident No.: 0038448	160	50	20	60	300
EGA-200-50-60-K20 Ident No.: 0037761	200	50	20	60	400
EGA-250-50-60-K25 Ident No.: 0037797	250	50	25	60	500

Suitable castors can be found on pages 130, 131, 160, 187, 203

Matching accessories can be found on page 432

## elastic rubber // medium-weight housing IM // up to 500 kg



### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IM-EGA-080-K-3 ID: 0027613	L-IM-EGA-080-K-3-DSN ID: 0027612	B-IM-EGA-080-K ID: 0027614	80	38	108	40	105 x 80	80 x 60	8.5	120
L-IM-EGA-100-K-3 ID: 0020250	L-IM-EGA-100-K-3-DSN ID: 0020255	B-IM-EGA-100-K ID: 0020260	100	40	128	40	105 x 80	80 x 60	8.5	180
L-IM-EGA-125-K-3 ID: 0020251	L-IM-EGA-125-K-3-DSN ID: 0020256	B-IM-EGA-125-K ID: 0020261	125	40	155	40	105 x 80	80 x 60	8.5	200
L-IM-EGA-160-K-3 ID: 0020252	L-IM-EGA-160-K-3-DSN ID: 0020257	B-IM-EGA-160-K ID: 0020262	160	50	200	56	135 x 110	105 x 80	10.5	300
L-IM-EGA-200-K-3 ID: 0020253	L-IM-EGA-200-K-3-DSN ID: 0020258	B-IM-EGA-200-K ID: 0020263	200	50	245	56	135 x 110	105 x 80	10.5	400
L-IM-EGA-250-K-3 ID: 0023359	L-IM-EGA-250-K-3-DSN ID: 0023360	B-IM-EGA-250-K ID: 0023361	250	50	297	67	135 x 110	105 x 80	10.5	500



3-DSV  
(plate+brake)

Matching accessories can be found on page 432



#### Features:






- TPKH wheel series:
- polypropylene wheel body with 2 ball bearings per wheel
- tread made of thermoplastic rubber, grey, approx. 85° shore A

#### Properties:

- runs quietly
- non-marking
- higher load-carrying capacity than rubber
- minimal rolling resistance
- shock-resistant
- (old designation: THKS)

#### floors

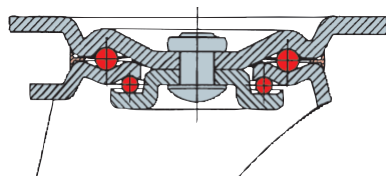


wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPKH-080-35-40-K12 Ident No.: 0014307	80	35	12	40	120
TPKH-100-35-40-K12 Ident No.: 0014308	100	35	12	40	150
TPKH-125-40-50-K15 Ident No.: 0014309	125	40	15	50	200
TPKH-150-45-60-K20 Ident No.: 0014310	150	45	20	60	260
TPKH-160-45-60-K20 Ident No.: 0014311	160	45	20	60	260
TPKH-200-50-60-K20 Ident No.: 0014312	200	50	20	60	350
TPKH-250-60-75-K25 Ident No.: 0016967	250	60	25	75	450

Suitable castors can be found on pages 139, 140, 189

Matching accessories can be found on page 432

## thermoplastic // medium-weight housing IM // up to 450 kg



### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IM-TPKH-080-K-3 ID: 0020317	L-IM-TPKH-080-K-3-DSN ID: 0020323	B-IM-TPKH-080-K ID: 0020329	80	35	108	40	105 x 80	80 x 60	8.5	120
L-IM-TPKH-100-K-3 ID: 0020318	L-IM-TPKH-100-K-3-DSN ID: 0020324	B-IM-TPKH-100-K ID: 0020330	100	35	128	40	105 x 80	80 x 60	8.5	150
L-IM-TPKH-125-K-3 ID: 0020319	L-IM-TPKH-125-K-3-DSN ID: 0020325	B-IM-TPKH-125-K ID: 0020331	125	40	155	40	105 x 80	80 x 60	8.5	200
L-IM-TPKH-160-K-3 ID: 0020320	L-IM-TPKH-160-K-3-DSN ID: 0020326	B-IM-TPKH-160-K ID: 0020332	160	45	200	56	135 x 110	105 x 80	10.5	260
L-IM-TPKH-200-K-3 ID: 0020321	L-IM-TPKH-200-K-3-DSN ID: 0020327	B-IM-TPKH-200-K ID: 0020333	200	50	245	56	135 x 110	105 x 80	10.5	350
L-IM-TPKH-250-K-3 ID: 0023317	L-IM-TPKH-250-K-3-DSV ID: 0020328	B-IM-TPKH-250-K ID: 0023322	250	60	297	67	135 x 110	105 x 80	10.5	450

Matching accessories can be found on page 432



#### Features:

- PUZK wheel series:
- polyamide 6 wheel body with ball bearing
- tread made of polyurethane, approx. 95° shore A

#### Properties:

- high load capacity
- low abrasion, non-marking
- shock-resistant, low rolling resistance
- resistant to oil and grease
- excellent chemical resistance
- resistant to cutting by metal chips
- (old designation: PUSKS)








***"Versatile, affordable,  
optimally designed"***

#### floors



#### wheels

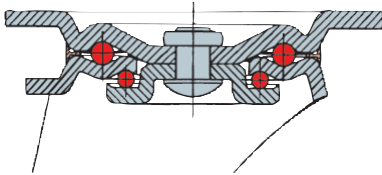
	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZK-080-35-40-K12 Ident No.: 0015450	80	35	12	40	150
PUZK-100-35-40-K12 Ident No.: 0015451	100	35	12	40	200
PUZK-125-40-50-K15 Ident No.: 0015452	125	40	15	50	250
PUZK-150-45-60-K20 Ident No.: 0015453	150	45	20	60	380
PUZK-160-45-60-K20 Ident No.: 0015454	160	45	20	60	400
PUZK-200-50-60-K20 Ident No.: 0015455	200	50	20	60	500
PUZK-250-60-75-K25 Ident No.: 0016975	250	60	25	75	700

Suitable castors can be found on pages 146, 147, 161, 191

Matching accessories can be found on page 432



## polyurethane // medium-weight housing IM // up to 700 kg



### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IM-PUZK-080-K-3 ID: 0021242	L-IM-PUZK-080-K-3-DSN ID: 0021248	B-IM-PUZK-080-K ID: 0021254	80	35	108	40	105 x 80	80 x 60	8.5	150
L-IM-PUZK-100-K-3 ID: 0021243	L-IM-PUZK-100-K-3-DSN ID: 0021249	B-IM-PUZK-100-K ID: 0021255	100	35	128	40	105 x 80	80 x 60	8.5	200
L-IM-PUZK-125-K-3 ID: 0021244	L-IM-PUZK-125-K-3-DSN ID: 0021,250	B-IM-PUZK-125-K ID: 0021256	125	40	155	40	105 x 80	80 x 60	8.5	250
L-IM-PUZK-160-K-3 ID: 0021245	L-IM-PUZK-160-K-3-DSN ID: 0021251	B-IM-PUZK-160-K ID: 0021257	160	45	200	56	135 x 110	105 x 80	10.5	380
L-IM-PUZK-200-K-3 ID: 0021246	L-IM-PUZK-200-K-3-DSN ID: 0021252	B-IM-PUZK-200-K ID: 0021258	200	50	245	56	135 x 110	105 x 80	10.5	500
L-IM-PUZK-250-K-3 ID: 0023333	L-IM-PUZK-250-K-3-DSV ID: 0023336	B-IM-PUZK-250-K ID: 0023339	250	60	297	67	135 x 110	105 x 80	10.5	700



3-DSV  
(plate+brake)

Matching accessories can be found on page 432



## Features:

- PUZA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread made of molded polyurethane, approx. 92° shore A
- cylindrical tread






## Properties:

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PA)



## floors

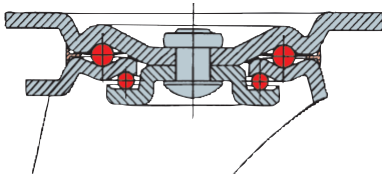


wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZA-080-36-40-K12 Ident No.: 0022513	80	36	12	40	180
PUZA-100-40-40-K12 Ident No.: 0038440	100	40	12	40	280
PUZA-125-40-50-K20 Ident No.: 0038441	125	40	20	50	350
PUZA-160-50-60-K20 Ident No.: 0038442	160	50	20	60	500
PUZA-200-50-60-K20 Ident No.: 0038443	200	50	20	60	700
PUZA-250-60-60-K25 Ident No.: 0013016	250	60	25	60	800

Suitable castors can be found on pages 193, 207

Matching accessories can be found on page 432

## polyurethane // medium-weight housing IM // up to 700 kg



### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IM-PUZA-080-K-3 ID: 0020232	L-IM-PUZA-080-K-3-DSN ID: 0020238	B-IM-PUZA-080-K ID: 0020244	80	36	108	40	105 x 80	80 x 60	8.5	180
L-IM-PUZA-100-K-3 ID: 0020233	L-IM-PUZA-100-K-3-DSN ID: 0020239	B-IM-PUZA-100-K ID: 0020245	100	40	128	40	105 x 80	80 x 60	8.5	280
L-IM-PUZA-125-K-3 ID: 0020234	L-IM-PUZA-125-K-3-DSN ID: 0020240	B-IM-PUZA-125-K ID: 0020246	125	40	155	40	105 x 80	80 x 60	8.5	350
L-IM-PUZA-160-K-3 ID: 0020235	L-IM-PUZA-160-K-3-DSN ID: 0020241	B-IM-PUZA-160-K ID: 0020247	160	50	200	56	135 x 110	105 x 80	10.5	500
L-IM-PUZA-200-K-3 ID: 0020236	L-IM-PUZA-200-K-3-DSN ID: 0020242	B-IM-PUZA-200-K ID: 0020248	200	50	245	56	135 x 110	105 x 80	10.5	500
L-IM-PUZA-250-K-3 ID: 0023356	L-IM-PUZA-250-K-3-DSV ID: 0023357	B-IM-PUZA-250-K ID: 0023358	250	60	297	67	135 x 110	105 x 80	10.5	700



3-DSV  
(plate+brake)



foot protection

Matching accessories can be found on page 432



## Features:

- EPUA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread surface made of molded polyurethane, 78° shore A






## Properties:

- high load capacity
- low rolling resistance
- non-marking, runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: EPA)

## floors



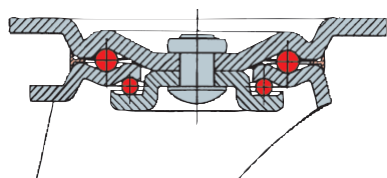
*"Moves heavy weights elastically"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUA-100-30-40-K12 Ident No.: 0016059	100	30	12	40	200
EPUA-125-40-40-K15 Ident No.: 0016060	125	40	15	40	300
EPUA-160-50-60-K20 Ident No.: 0016063	160	50	20	60	500
EPUA-180-50-60-K20 Ident No.: 0016064	180	50	20	60	500
EPUA-200-50-60-K20 Ident No.: 0016065	200	50	20	60	700
EPUA-250-50-60-K20 Ident No.: 0037935	250	50	20	60	900

Suitable castors can be found on pages 195, 213, 214

Matching accessories can be found on page 432

## elastic polyurethane // medium-weight housing IM // up to 600 kg



### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IM-EPUA-100-K-3 ID: 0026818	L-IM-EPUA-100-K-3-DSN ID: 0026822	B-IM-EPUA-100-K ID: 0026826	100	30	128	40	105 x 80	80 x 60	8.5	200
L-IM-EPUA-125-K-3 ID: 0026819	L-IM-EPUA-125-K-3-DSN ID: 0026823	B-IM-EPUA-125-K ID: 0026827	125	40	155	40	105 x 80	80 x 60	8.5	300
L-IM-EPUA-160-K-3 ID: 0026820	L-IM-EPUA-160-K-3-DSN ID: 0026824	B-IM-EPUA-160-K ID: 0026828	160	50	200	56	135 x 110	105 x 80	10.5	500
L-IM-EPUA-200-K-3 ID: 0026821	L-IM-EPUA-200-K-3-DSN ID: 0026825	B-IM-EPUA-200-K ID: 0026829	200	50	245	56	135 x 110	105 x 80	10.5	600

Matching accessories can be found on page 432



## Features:






- PAM and PAH wheel series:
- polyamide 6 wheel body with ball bearing
- polyamide 6 can absorb and release moisture

## Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS and 820)

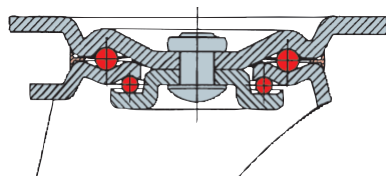
## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-K12 Ident No.: 0015402	80	35	12	40	200
PAM-100-35-40-K12 Ident No.: 0015403	100	35	12	40	300
PAM-125-40-50-K15 Ident No.: 0015404	125	40	15	50	400
PAM-150-45-60-K20 Ident No.: 0015405	150	45	20	60	700
PAM-160-45-60-K20 Ident No.: 0015406	160	45	20	60	700
PAM-200-50-60-K20 Ident No.: 0015407	200	50	20	60	1,000
PAM-250-60-75-K25 Ident No.: 0016979	250	60	25	75	1,300

Suitable castors can be found on pages 197, 217, 219

Matching accessories can be found on page 432



#### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IM-PAM-080-K-3 ID: 0021071	L-IM-PAM-080-K-3-DSN ID: 0021077	B-IM-PAM-080-K ID: 0021083	80	35	108	40	105 x 80	80 x 60	8.5	200
L-IM-PAM-100-K-3 ID: 0021072	L-IM-PAM-100-K-3-DSN ID: 0021078	B-IM-PAM-100-K ID: 0021084	100	35	128	40	105 x 80	80 x 60	8.5	300
L-IM-PAM-125-K-3 ID: 0021073	L-IM-PAM-125-K-3-DSN ID: 0021079	B-IM-PAM-125-K ID: 0021085	125	40	155	40	105 x 80	80 x 60	8.5	400
L-IM-PAM-150-K-3 ID: 0021074	L-IM-PAM-150-K-3-DSN ID: 0021080	B-IM-PAM-150-K ID: 0021086	150	45	195	56	135 x 110	105 x 80	10.5	500
L-IM-PAM-200-K-3 ID: 0021075	L-IM-PAM-200-K-3-DSN ID: 0021081	B-IM-PAM-200-K ID: 0021087	200	50	245	56	135 x 110	105 x 80	10.5	500
L-IM-PAM-250-K-3 ID: 0023349	L-IM-PAM-250-K-3-DSV ID: 0023352	B-IM-PAM-250-K ID: 0023355	250	60	297	67	135 x 110	105 x 80	10.5	700



3-DSV  
(plate+brake)



## HEAVY-DUTY CASTORS UP TO 1,250 KG



SERIES	elastic solid rubber heavy-duty castors	polyurethane heavy-duty castors	elastic polyurethane heavy-duty castors	polyamide heavy-duty castors	grey cast iron
LOAD-CARRYING CAPACITY	up to 550 kg	up to 1,250 kg	up to 900 kg	up to 1,250 kg	up to 1,250 kg
WHEEL-Ø	80 mm – 250 mm	80 mm – 250 mm	100 mm – 250 mm	80 mm – 250 mm	80 mm – 250 mm
MATERIAL/TIRES	elastic solid rubber	polyurethane	elastic-polyurethane	polyamide	grey cast iron, malleable cast
BEARING	ball bearing	ball bearing	ball bearing	ball bearing	plain bearing, ball bearing
PAGES	202	204	212	216	220



***“Extra resistant to shock and impact”***







## Castors with heavy-duty **steel plate housing up to 1,250 kg**

Torwegge's heavy-duty steel plate housings are built with deep-drawn, galvanized steel plate that is designed for much higher dynamic stress loads. The swivel housings are equipped with hardened bearing seats which make them more resistant to knocks and bumps. There are two different designs for the housing tops. The housing top has double ball bearings and is either screwed or triple-riveted. The riveted variant has a fully enclosed fork head.

### Housing description

- 🔧 version with mounting plate
- 🔧 double brake for the pre-run
- 🔧 a direction lock is possible
- 🔧 fork head with double ball bearing
- 🔧 riveted or screwed on
- 🔧 low maintenance: lubricated with long-life grease, can be re-lubricated
- 🔧 can be retrofitted with foot protection

### Temperature range

-25° C to + 90° C

### areas of use // floors





#### Features:

- EGA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread surface made of elastic solid rubber, black, approx. 65° shore A






#### Properties:

- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- also available with grey wheels
- (old designation: F3)

#### floors

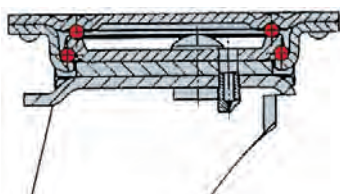


*"Super travelling comfort"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-100-40-40-K12 Ident No.: 0038446	100	40	12	40	180
EGA-125-40-50-K20 Ident No.: 0038447	125	40	20	50	200
EGA-160-50-60-K20 Ident No.: 0038448	160	50	20	60	300
EGA-200-50-60-K20 Ident No.: 0037761	200	50	20	60	400
EGA-250-50-60-K25 Ident No.: 0037797	250	50	25	60	500

Matching accessories can be found on page 432

**elastic rubber** // heavy housing IG // up to 500 kg



#### Features:

- castor series IG:
- reinforced steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells with seal
- can be lubricated
- fork head without center pin
- (old designation: LV)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IG-EGA-100-K-3 ID: 0023869	L-IG-EGA-100-K-3-DSV ID: 0023870	B-IG-EGA-100-K-3 ID: 0023756	100	40	127	40	105 x 80	80 x 60	9	180
L-IG-EGA-125-K-3 ID: 0023877	L-IG-EGA-125-K-3-DSV ID: 0023878	B-IG-EGA-125-K-3 ID: 0023757	125	40	178	50	135 x 110	105 x 75	11	200
L-IG-EGA-160-K-3 ID: 0023879	L-IG-EGA-160-K-3-DSV ID: 0023880	B-IG-EGA-160-K-3 ID: 0023758	160	50	215	53	135 x 110	105 x 75	11	300
L-IG-EGA-200-K-3 ID: 0023881	L-IG-EGA-200-K-3-DSV ID: 0023882	B-IG-EGA-200-K-3 ID: 0023759	200	50	245	65	135 x 110	105 x 75	11	400
L-IG-EGA-250-K-3 ID: 0023883	L-IG-EGA-250-K-3-DSV ID: 0023884	B-IG-EGA-250-K-3 ID: 0023760	250	50	297	67	135 x 110	105 x 75	11	500



with disc brake

Matching accessories can be found on page 432



Features:







- EGS wheel series:
- thick-walled steel sheet wheel body with ball bearing
- tread made of elastic solid rubber, approx. 65° shore A

Properties:

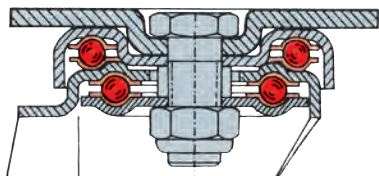
- high elasticity with low rolling resistance
- excellent travel comfort
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: ETS)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub ø mm	 hub length mm	 load-carrying capacity kg
EGS-160-50-60-K20 Ident No.: 0016322	160	50	20	58	60	350
EGS-200-50-60-K20 Ident No.: 0016323	200	50	20	58	60	450
EGS-250-50-60-K20 Ident No.: 0016325	250	50	20	58	60	550

**elastic rubber //** heavy housing IH **//** up to 550 kg



#### Features:

- castor series IH:
- heavy steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells
- extra resistant to shock and impact
- (old designation: LM)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IH-EGS-160-K-3 ID: 0018968	L-IH-EGS-160-K-3-DSV ID: 0018969	B-IH-EGS-160-K ID: 0015324	160	50	205	45	135 x 110	105 x 80	12.5	350
L-IH-EGS-200-K-3 ID: 0018970	L-IH-EGS-200-K-3-DSV ID: 0018971	B-IH-EGS-200-K ID: 0015325	200	50	245	57	135 x 110	105 x 80	12.5	450
L-IH-EGS-250-K-3 ID: 0018972	L-IH-EGS-250-K-3-DSV ID: 0018973	B-IH-EGS-250-K ID: 0015326	250	60	300	60	135 x 110	105 x 80	12.5	550

Matching accessories can be found on page 432



## Features:

- PUZA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread made of molded polyurethane, approx. 92° shore A
- cylindrical tread

## Properties:

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PA)








**"Low weight and high load capacity"**

## floors

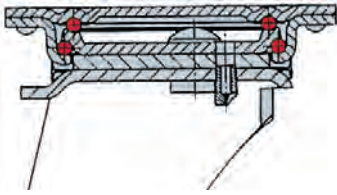


## wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZA-080-36-40-K12 Ident No.: 0022513	80	36	12	40	180
PUZA-100-40-40-K12 Ident No.: 0038440	100	40	12	40	280
PUZA-125-40-50-K20 Ident No.: 0038441	125	40	20	50	350
PUZA-160-50-60-K20 Ident No.: 0038442	160	50	20	60	500
PUZA-200-50-60-K20 Ident No.: 0038443	200	50	20	60	700
PUZA-250-60-60-K25 Ident No.: 0013016	250	60	25	60	800

Matching accessories can be found on page 432





#### Features:

- castor series IG:
- reinforced steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells with seal
- can be lubricated
- fork head without center pin
- (old designation: LV)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IG-PUZA-082-K-3 ID: 0036842	L-IG-PUZA-082-K-3-DSV ID: 0019440	B-IG-PUZA-082-K ID: 0015515	82	30	118	40	105 x 85	80 x 60	9	180
L-IG-PUZA-100-K-3 ID: 0019442	L-IG-PUZA-100-K-3-DSV ID: 0019443	B-IG-PUZA-100-K ID: 0015516	100	40	127	40	105 x 85	80 x 60	9	280
L-IG-PUZA-125-K-3 ID: 0037537	L-IG-PUZA-125-K-3-DSV ID: 0037769	B-IG-PUZA-125-K ID: 0037538	125	40	178	50	135 x 110	105 x 75	11	350
L-IG-PUZA-160-K-3 ID: 0034629	L-IG-PUZA-160-K-3-DSV ID: 0036615	B-IG-PUZA-160-K ID: 0015519	160	50	215	53	135 x 110	105 x 75	11	500
L-IG-PUZA-200-K-3 ID: 0036520	L-IG-PUZA-200-K-3-DSV ID: 0037295	B-IG-PUZA-200-K ID: 0030969	200	50	245	65	135 x 110	105 x 75	11	700



with disc brake






**Features:**

- PUZG wheel series:
- wheel body made of special grey cast iron with ball bearing
- tread made of molded polyurethane, approx. 95° shore A






**Properties:**

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: series 4)

**floors****wheels**

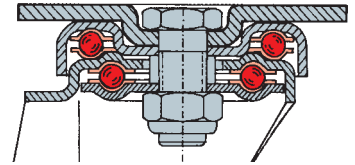
	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZG-080-36-36-K15 Ident No.: 0011972	80	36	15	36	250
PUZG-100-30-36-K15 Ident No.: 0011975	100	30	15	36	250
PUZG-100-40-47-K15 Ident No.: 0011979	100	40	15	47	350
PUZG-125-35-47-K15 Ident No.: 0011980	125	35	15	47	300
PUZG-125-40-47-K15 Ident No.: 0011983	125	40	15	47	350
PUZG-125-50-60-K20 Ident No.: 0038444	125	50	20	60	550
PUZG-150-40-47-K20 Ident No.: 0011984	150	40	20	47	500
PUZG-150-50-50-K25 Ident No.: 0011989	150	50	25	50	700
PUZG-150-50-60-K20 Ident No.: 0039227	150	50	20	60	700
PUZG-150-60-65-K25 Ident No.: 0011988	150	60	25	65	930
PUZG-200-50-60-K25 Ident No.: 0037762	200	50	25	60	1,000
PUZG-200-60-65-K25 Ident No.: 0011996	200	60	25	65	1,200
PUZG-200-80-80-K35 Ident No.: 0011997	200	80	35	80	1,500
PUZG-250-50-60-K25 Ident No.: 0038445	250	50	25	60	1,200
PUZG-250-60-60-K25 Ident No.: 0039228	250	60	25	60	1,400
PUZG-250-60-65-K25 Ident No.: 0039229	250	60	25	65	1,400

Suitable castors can be found on pages 210, 211

					
wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PUZG-250-80-80-K35 Ident No.: 0039230	250	80	35	80	1,800
PUZG-250-100-100-K35 Ident No.: 0012014	250	100	35	100	2,200
PUZG-300-70-70-K30 Ident No.: 0012019	300	70	30	70	2,200
PUZG-300-100-100-K40 Ident No.: 0012020	300	100	40	100	3,000
PUZG-350-100-100-K50 Ident No.: 0012021	350	100	50	100	3,500
PUZG-400-100-100-K50 Ident No.: 0012022	400	100	50	100	3,800
PUZG-400-100-100-K60 Ident No.: 0031206	400	100	60	100	3,500
PUZG-500-100-100-K50 Ident No.: 0012023	500	100	50	100	4,500

Matching accessories can be found on page 432

# polyurethane // heavy housing HO // up to 4,500 kg



## Features:

- castor series HO:
- heavy steel plate housing, galvanized
- for wheel diameters of 250 mm or larger, housing with steel welded construction
- fork head with double ball bearing and hardened bearing shells
- extra resistant to shock and impact
- (old designation: series 40)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HO-PUZG-080-K-3 ID: 0012024	L-HO-PUZG-080-K-3-DSV ID: 0012025	B-HO-PUZG-080-K ID: 0012596	80	36	112	39	105 x 85	80 x 60	9	180
L-HO-PUZG-100-K-3 ID: 0012026	L-HO-PUZG-100-K-3-DSV ID: 0012028	B-HO-PUZG-100-K ID: 0012597	100	30	132	40	105 x 85	80 x 60	9	200
L-HO-PUZG-100-K-3-B40 ID: 0012029	L-HO-PUZG-100-K-3-DSV-B40 ID: 0012030	B-HO-PUZG-100-K-B40 ID: 0012599	100	40	145	40	105 x 85	80 x 60	9	300
L-HO-PUZG-125-K-3 ID: 0012031	L-HO-PUZG-125-K-3-DSV ID: 0012032	B-HO-PUZG-125-K ID: 0012600	125	35	159	40	105 x 85	80 x 60	9	250
L-HO-PUZG-125-K-3-B40 ID: 0012033	L-HO-PUZG-125-K-3-DSV ID: 0012034	B-HO-PUZG-125-K-B40 ID: 0012601	125	40	159	40	105 x 85	80 x 60	9	300
L-HO-PUZG-150-K-3 ID: 0012035	L-HO-PUZG-150-K-3-DSV ID: 0012036	B-HO-PUZG-150-K ID: 0012602	150	40	185	41	140 x 110	105 x 80	11	400
L-HO-PUZG-150-K-3-B50 ID: 0012039	L-HO-PUZG-150-K-3-DSV-B50 ID: 0012040	B-HO-PUZG-150-K-B50 ID: 0012605	150	50	185	53	140 x 110	105 x 80	11	550
L-HO-PUZG-150-K-3-B60 ID: 0012037	L-HO-PUZG-150-K-3-DSV-B60 ID: 0012038	B-HO-PUZG-150-K-B60 ID: 0012604	150	60	214	50	175 x 140	140 x 105	15	800
L-HO-PUZG-175-K-3 ID: 0012041	L-HO-PUZG-175-K-3-DSV ID: 0012042	B-HO-PUZG-175-K ID: 0012606	175	40	214	53	140 x 110	105 x 80	11	600
L-HO-PUZG-200-K-3 ID: 0028527	L-HO-PUZG-200-K-3-DSV ID: 0028528	B-HO-PUZG-200-K ID: 0028529	200	50	245	64	140 x 110	105 x 80	11	1,000
L-HO-PUZG-200-K-3-B60 ID: 0012045	L-HO-PUZG-200-K-3-DSV-B60 ID: 0012046	B-HO-PUZG-200-K-B60 ID: 0012608	200	60	264	45	175 x 145	140 x 105	15	1,200
L-HO-PUZG-250-K-3 ID: 0012047	L-HO-PUZG-250-K-3-DSV ID: 0012048	B-HO-PUZG-250-K ID: 0012609	250	50	310	63	200 x 160	160 x 120	15	1,200

Matching accessories can be found on page 432

## polyurethane // heavy housing HO // up to 4,500 kg



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HO-PUZG-250-K-3-B60 ID: 0012049	L-HO-PUZG-250-K-3-DSV-B60 ID: 0012050	B-HO-PUZG-250-K-B60 ID: 0012610	250	60	310	63	200 x 160	160 x 120	15	1,500
L-HO-PUZG-250-K-3 ID: 0012051		B-HO-PUZG-250-K-B100 ID: 0012623	250	100	317	67	200 x 160	160 x 120	15	2,200
L-HO-PUZG-300-K-3 ID: 0012052	L-HO-PUZG-300-K-3-DSV ID: 0012053	B-HO-PUZG-300-K ID: 0012624	300	70	346	70	200 x 160	160 x 120	15	1,800
L-HO-PUZG-300-K-3-B100 ID: 0012054		B-HO-PUZG-300-K-B100 ID: 0012625	300	100	380	80	200 x 160	160 x 120	17	2,800
L-HO-PUZG-350-K-3 ID: 0012056		B-HO-PUZG-350-K ID: 0012627	350	100	430	80	250 x 200	210 x 160	19	3,000
L-HO-PUZG-400-K-3 ID: 0012058		B-HO-PUZG-400-K ID: 0012629	400	100	490	92	250 x 200	210 x 160	19	3,500
L-HO-PUZG-500-K-3 ID: 0012060		B-HO-PUZG-500-K ID: 0012631	500	100	600	95	250 x 200	210 x 160	19	4,500

Matching accessories can be found on page 432



#### Features:

- EPUA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread surface made of molded polyurethane, 78° shore A






#### Properties:

- high load capacity
- low rolling resistance
- non-marking, runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: EPA)

#### floors



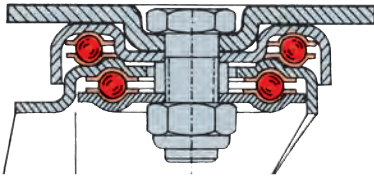
*"Moves heavy weights elastically"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUA-100-30-40-K12 Ident No.: 0016059	100	30	12	40	200
EPUA-125-40-40-K15 Ident No.: 0016060	125	40	15	40	300
EPUA-160-50-60-K20 Ident No.: 0016063	160	50	20	60	500
EPUA-200-50-60-K20 Ident No.: 0016065	200	50	20	60	700
EPUA-250-50-60-K20 Ident No.: 0037935	250	50	20	60	900

Suitable castors can be found on pages 213, 214

Matching accessories can be found on page 432

## elastic polyurethane // heavy housing IH // up to 700 kg



### Features:

- castor series IH:
- heavy steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells
- extra resistant to shock and impact
- (old designation: LM)

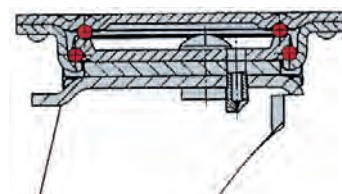


swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IH-EPUA-100-K-3 ID: 0018960	L-IH-EPUA-100-K-3-DSV ID: 0018961	B-IH-EPUA-100-K ID: 0015320	100	30	135	36	100 x 80	80 x 60	8.5	200
L-IH-EPUA-125-K-3 ID: 0018962	L-IH-EPUA-125-K-3-DSV ID: 0018963	B-IH-EPUA-125-K ID: 0015321	125	40	170	45	135 x 110	105 x 80	12.5	300
L-IH-EPUA-160-K-3 ID: 0018964	L-IH-EPUA-160-K-3-DSV ID: 0018965	B-IH-EPUA-160-K ID: 0015322	160	50	205	45	135 x 110	105 x 80	12.5	500
L-IH-EPUA-200-K-3 ID: 0018966	L-IH-EPUA-200-K-3-DSV ID: 0018967	B-IH-EPUA-200-K ID: 0015323	200	50	245	57	135 x 110	105 x 80	12.5	700

Matching accessories can be found on page 432



# elastic polyurethane // heavy housing IG // up to 900 kg



## Features:

- castor series IG:
- reinforced steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells with seal
- can be lubricated
- fork head without center pin
- (old designation: LV)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IG-EPUA-100-K-3 ID: 0040382	L-IG-EPUA-100-K-3-DSV ID: 0040387	B-IG-EPUA-100-K ID: 0040392	100	30	127	40	105 x 80	80 x 60	9	200
L-IG-EPUA-125-K-3 ID: 0040383	L-IG-EPUA-125-K-3-DSV ID: 0040388	B-IG-EPUA-125-K ID: 0040393	125	40	178	50	135 x 110	105 x 75	11	300
L-IG-EPUA-160-K-3 ID: 0040384	L-IG-EPUA-160-K-3-DSV ID: 0040389	B-IG-EPUA-160-K ID: 0040394	160	50	215	53	135 x 110	105 x 75	11	500
L-IG-EPUA-200-K-3 ID: 0040385	L-IG-EPUA-200-K-3-DSV ID: 0040390	B-IG-EPUA-200-K ID: 0040395	200	50	245	65	135 x 110	105 x 75	11	700
L-IG-EPUA-250-K-3 ID: 0040386	L-IG-EPUA-250-K-3-DSV ID: 0040391	B-IG-EPUA-250-K ID: 0040396	250	50	297	67	135 x 110	105 x 75	11	900



with disc brake

Matching accessories can be found on page 432



**elastic polyurethane //** heavy housing IG **//** up to 900 kg

## wheels // PAM-ball bearing



### Features:






- PAM wheel series:
- polyamide 6 wheel body with ball bearing
- polyamide 6 can absorb and release moisture

### Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS)

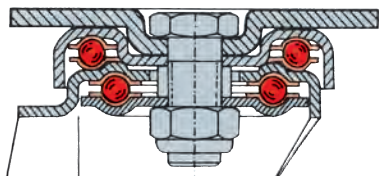
### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-K12 Ident No.: 0015402	80	35	12	40	200
PAM-100-35-40-K12 Ident No.: 0015403	100	35	12	40	300
PAM-125-40-50-K15 Ident No.: 0015404	125	40	15	50	400
PAM-150-45-60-K20 Ident No.: 0015405	150	45	20	60	700
PAM-160-45-60-K20 Ident No.: 0015406	160	45	20	60	700
PAM-200-50-60-K20 Ident No.: 0015407	200	50	20	60	1,000
PAM-250-60-75-K25 Ident No.: 0016979	250	60	25	75	1,300

Suitable castors can be found on pages 217, 219

Matching accessories can be found on page 432



#### Features:

- castor series IH:
- heavy steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells
- extra resistant to shock and impact
- (old designation: LM)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IH-PAM-080-K-3 ID: 0018947	L-IH-PAM-080-K-3-DSV ID: 0018948	B-IH-PAM-080-K ID: 0015288	80	35	117	36	100 x 80	80 x 60	8.5	200
L-IH-PAM-100-K-3 ID: 0018949	L-IH-PAM-100-K-3-DSV ID: 0018951	B-IH-PAM-100-K ID: 0015289	100	35	135	36	100 x 80	80 x 60	8.5	300
L-IH-PAM-125-K-3 ID: 0018952	L-IH-PAM-125-K-3-DSV ID: 0018953	B-IH-PAM-125-K-3 ID: 0015290	125	40	170	45	135 x 110	105 x 80	12.5	500
L-IH-PAM-150-K-3 ID: 0018954	L-IH-PAM-150-K-3-DSV ID: 0018955	B-IH-PAM-150-K-3 ID: 0015317	150	45	200	45	135 x 110	105 x 80	12.5	700
L-IH-PAM-200-K-3 ID: 0018956	L-IH-PAM-200-K-3-DSV ID: 0018957	B-IH-PAM-200-K-3 ID: 0015318	200	50	245	57	135 x 110	105 x 80	12.5	1,000
L-IH-PAM-250-K-3 ID: 0018958	L-IH-PAM-250-K-3-DSV ID: 0018959	B-IH-PAM-250-K-3 ID: 0015319	250	60	300	60	135 x 110	105 x 80	12.5	1,250



foot protection



**Features:**

- castor series with foot protection:
- made of black rubber: material thickness: 8 – 10 mm
- reacts flexibly and resiliently to obstacles
- available for different types of rollers

**Concerning the safety of your workers:**

Foot injuries are painful and lost-lasting.  
Use the appropriate safety equipment and measures  
for protecting the health and safety of your workers.








**Note:**

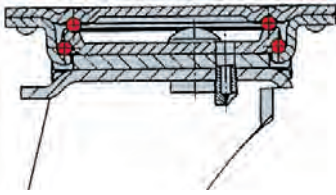
Offers available on request. The foot protection  
is manufactured depending on the particular order.



swivel castors

L-IG-PPH-200-K-3-BH240-FU-RIFIX  
Ident No.: 0081957

						
wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	load-carrying capacity kg
200	50	245	65	135 x 110	105 x 75	550



#### Features:

- castor series IG:
- reinforced steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells with seal
- can be lubricated
- fork head without center pin
- (old designation: LV)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IG-PAM-100-K-3 ID: 0014546	L-IG-PAM-100-K-3-DSV ID: 0014547	B-IG-PAM-100-K ID: 0014581	100	35	127	40	105 x 85	80 x 60	8.5	350
L-IG-PAM-125-K-3 ID: 0014550	L-IG-PAM-125-K-3-DSV ID: 0014558	B-IG-PAM-125-K ID: 0014583	125	40	178	50	135 x 110	105 x 75	11	450
L-IG-PAM-150-K-3 ID: 0014563	L-IG-PAM-150-K-3-DSV ID: 0014564	B-IG-PAM-150-K ID: 0014586	150	45	210	53	135 x 110	105 x 75	11	650
L-IG-PAM-160-K-3 ID: 0034889	L-IG-PAM-160-K-3-DSV ID: 0034890	B-IG-PAM-160-K ID: 0034891	160	45	215	55	135 x 110	105 x 75	11	900
L-IG-PAM-200-K-3 ID: 0014569	L-IG-PAM-200-K-3-DSV ID: 0014570	B-IG-PAM-200-K ID: 0014589	200	50	245	65	135 x 110	105 x 75	11	1,000
L-IG-PAM-250-K-3 ID: 0014575	L-IG-PAM-250-K-3DSV ID: 0014576	B-IG-PAM-250-K ID: 0034341	250	60	297	67	135 x 110	105 x 75	11	1,000



3-DS-P (mounting plate + double brake)



3-DSN (plate + double brake)



### Features:



- GGG wheel series:
- made of special grey cast iron with plain bearing
- cleanly cast, de-burred and painted

### Properties:

- high load capacity
- durable
- extremely temperature resistant
- high elongation at breakage
- low rolling resistance
- excellent chemical resistance
- (old designation: 101-plain bearing)

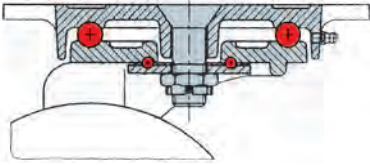
### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GGG-065-30-34-G07-blue Ident No.: 0010063	65	30	7	34	150
GGG-080-35-39-G10-blue Ident No.: 0010065	80	35	10	39	250
GGG-100-35-44-G12-blue Ident No.: 0010069	100	35	12	44	350
GGG-125-35-49-G12-blue Ident No.: 0010074	125	35	12	49	450
GGG-150-50-58-G15-blue Ident No.: 0010081	150	50	15	58	650
GGG-160-50-58-G15-blue Ident No.: 0010084	160	50	15	58	700
GGG-200-50-58-G20-blue Ident No.: 0010086	200	50	20	58	1,000
GGG-250-60-65-G25-blue Ident No.: 0010091	250	60	25	65	1,250

Matching accessories can be found on page 432









## cast iron // malleable cast castors CI // up to 1,250 kg



### Features:

- castor series CI:
- made of high-quality malleable cast iron, painted
- heat resistant: up to +180° C
- fork head with double ball bearing
- very tough and excellent resistance to fracturing
- housing can be lubricated
- (old designation: series 1 and 3)



swivel castors	fixed castors								
		wheel ø mm	wheel width mm	height mm	projection, swivel ca- stor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-CI-GGG-080-G-3 ID: 0010017	B-CI-GGG-080-G ID: 0011585	80	35	110	30	115 x 80	90 x 55	8	250
L-CI-GGG-100-G-3 ID: 0010018	B-CI-GGG-100-G ID: 0011587	100	35	135	35	145 x 100	115 x 70	10	350
L-CI-GGG-125-G-3 ID: 0010019	B-CI-GGG-125-G ID: 0011588	125	35	162	40	155 x 105	125 x 75	10	450
L-CI-GGG-150-G-3 ID: 0010020	B-CI-GGG-150-G ID: 0011590	150	50	200	50	175 x 125	145 x 95	10	650
L-CI-GGG-200-G-3 ID: 0010022	B-CI-GGG-200-G ID: 0011591	200	50	260	60	225 x 145	184 x 104	14	1,000
L-CI-GGG-250-G-3 ID: 0010024	B-CI-GGG-250-G ID: 0011592	250	60	320	62	225 x 145	185 x 105	14	1,250

Matching accessories can be found on page 432



#### Features:






- GGK wheel series:
- made of special grey cast iron with ball bearing
- cleanly cast, de-burred and painted

#### Properties:

- high load capacity
- durable
- extremely temperature resistant
- high elongation at breakage
- low rolling resistance
- excellent chemical resistance
- (old designation: 101-ball bearing)

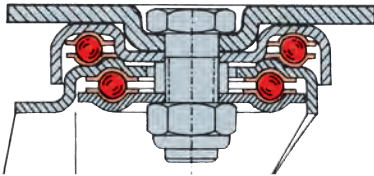
#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GGK-100-30-30-K15 Ident No.: 0010071	100	30	15	30	300
GGK-125-32-32-K15 Ident No.: 0010075	125	32	15	32	400
GGK-150-45-60-K20 Ident No.: 0039225	150	45	20	60	600
GGK-200-45-60-K25 Ident No.: 0039226	200	45	25	60	1,000
GGK-250-60-67-K25 Ident No.: 0032850	250	60	25	67	1,250



**cast iron //** heavy housing IH **//** up to 1,000 kg



#### Features:

- castor series IH:
- heavy steel plate housing, galvanized
- fork head with double ball bearing and hardened bearing shells
- extra resistant to shock and impact
- (old designation: LM)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IH-GGK-100-K-3 ID: 0018934	L-IH-GGK-100-K-3-DSV ID: 0018935	B-IH-GGK-100-K ID: 0015283	100	30	135	36	100 x 80	80 x 60	8.5	300
L-IH-GGK-125-K-3 ID: 0018937	L-IH-GGK-125-K-3-DSV ID: 0018938	B-IH-GGK-125-K ID: 0015285	125	32	170	45	135 x 110	105 x 80	12.5	400
L-IH-GGK-150-K-3 ID: 0018939	L-IH-GGK-150-K-3-DSV ID: 0018940	B-IH-GGK-150-K ID: 0015286	150	38	200	45	135 x 110	105 x 80	12.5	600
L-IH-GGK-200-K-3 ID: 0039898	L-IH-GGK-200-K-3-DSV ID: 0039899	B-IH-GGK-200-K ID: 0039900	200	48	245	57	135 x 110	105 x 80	12.5	1,000



with foot protection

Matching accessories can be found on page 432

# HEAVY-DUTY CASTORS UP TO 10,000 KG



SERIES	heavy-duty castors super-elastic solid rubber	heavy-duty castors polyurethane	heavy-duty castors elastic- polyurethane	heavy-duty castors polyamide	heavy-duty castors steel	heavy-duty double-castors polyurethane	
LOAD-CARRYING CAPACITY	up to 950 kg	up to 2,100 kg	up to 1,250 kg	up to 2,000 kg	up to 1,500 kg	up to 4,000 kg	
WHEEL-Ø	250 mm - 405 mm	70 mm - 300 mm	100 mm - 300 mm	82 mm - 300 mm	75 mm - 200 mm	125 mm - 300 mm	
MATERIAL/ TIRES	super-elastic-rubber	polyurethane	elastic-polyurethane	polyamide	steel	polyurethane	
BEARING	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing	
PAGES	228	230	234	236	240	242	



	heavy-duty double-castors polyamide	heavy-duty castors cast polyamide	heavy-duty castors all-steel
	up to 4,000 kg	up to 5,000 kg	up to 10,000 kg
	125 mm - 300 mm	80 mm - 250 mm	100 mm - 250 mm
	polyamide	cast polyamide	steel
	ball bearing	ball bearing	ball bearing
	<b>244</b>	<b>246</b>	<b>248</b>



*“Trust in our strength”*



**castors with very robust welded steel housing, up to 10,000 kg // profile**

## Castors with very robust welded steel housing up to 10,000 kg

The strongest Torwegge housing series consist of a welded steel construction for maximum dynamic stresses. The swivel castor housings are equipped with sealed axial rib ball bearing an tapered roller bearing and thus particularly sensitive against surges and beats. The housing head is screwed and secured by a heavy center bolt.

### Housing description

- 🔧 version with mounting plate
- 🔧 double brake for the pre-run
- 🔧 housing surface galvanized or painted depending on the series
- 🔧 a directional brake is possible
- 🔧 low maintenance: lubricated with long-life grease, can be re-lubricated
- 🔧 can be retrofitted with foot protection

### Temperature range

approx. -25° C up to + 90° C

### areas of use // floors



wheels // super-elastic SE



Features:






- super-elastic SE wheel series:
- super-elastic tires on steel rim
- 3-component tires consisting of tire bead, intermediate pad and tread

Properties:

- runs quietly
- durable
- impact-resistant
- absorbs vibration

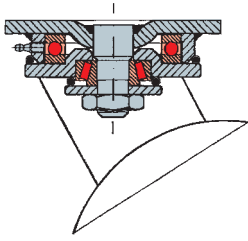
floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SEV-3.00-4-75-K25 Ident No.: 0032416	250	80	25	75	260
SEV-3.00-4-100-K25 Ident No.: 0031749	250	80	25	100	260
SEV-4.00-8-90-K25 Ident No.: 0032445	405	105	25	90	950
SEV-4.00-8-90-K30 Ident No.: 0034781	405	105	30	90	950

Matching accessories can be found on page 432

## elastic rubber // heavy-duty series HL // up to 520 kg



### Features:

- castor series HB:
- heavy welded steel construction, galvanized
- fork head with axial rib  
ball bearing and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LP)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
	L-IP-SEV-3.00-4-K-DSV ID: 0035816	B-IP-SEV-3.00-4-K ID: 0035859	250	85	305	70	175 x 175	140 x 140	15	260
L-HB-SEV-3.00-4-K-3 ID: 0034766	LH-SEV-3.00-4-K-DSV ID: 0040754	B-HB-SEV-3.00-4-K ID: 0035509	250	85	305	70	175 x 140	140 x 105	15	260
L-HD-SEV-3.00-4-K-3 ID: 0037085			250	85	305	70	175 x 140	140 x 105	15	520



swivel castor 0037085  
with two wheels



Matching accessories can be found on page 432



### Features:






- PUZG wheel series:
- wheel body made of special grey cast iron with ball bearing
- tread made of molded polyurethane, approx. 95° shore A

### Properties:

- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: series 4)

### floors



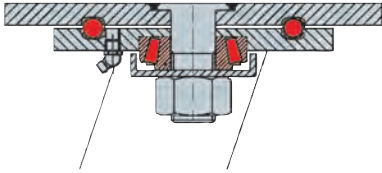
wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUHS-070-70-K20 Ident No.: 0035600	70	70	20	70	470
PUZG-080-36-36-K15 Ident No.: 0011972	80	36	15	36	250
PUHS-085-70-K20 Ident No.: 0012395	85	70	20	70	550
PUZG-100-40-47-K15 Ident No.: 0011979	100	40	15	47	350
PUZG-100-50-60-K20 Ident No.: 0015910	100	50	20	60	450
PUZG-125-40-47-K15 Ident No.: 0011983	125	40	15	47	350
PUZG-125-50-60-K20 Ident No.: 0038444	125	50	20	60	550
PUZG-150-50-60-K20 Ident No.: 0039227	150	50	20	60	700
PUZG-200-50-60-K25 Ident No.: 0037762	200	50	25	60	1,000
PUZG-200-80-80-K35 Ident No.: 0011997	200	80	35	80	1,500
PUZG-250-50-60-K25 Ident No.: 0038445	250	50	25	60	1,200
PUZG-250-80-80-K35 Ident No.: 0039230	250	80	35	80	1,800
PUZG-300-80-80-K30 Ident No.: 0012995	300	80	30	80	2,200

Suitable castors can be found on pages 231, 232, 243

Matching accessories can be found on page 432



## polyurethane // heavy-duty series HB // up to 350 kg



### Features:

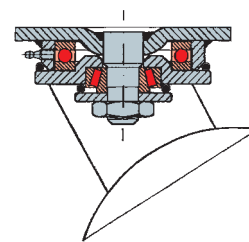
- castor series HB:
- heavy welded steel construction, galvanized
- fork head with hardened bearing shells and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LP)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HL-PUZG-080-K-3 ID: 0017941	L-HL-PUZG-080-K-3-DSV ID: 0017944	B-HL-PUZG-080-K ID: 0017947	80	36	125	30	105 x 80	80 x 60	9	250
L-HL-PUZG-100-K-3 ID: 0017942	L-HL-PUZG-100-K-3-DSV ID: 0017945	B-HL-PUZG-100-K ID: 0017948	100	40	135	30	105 x 80	80 x 60	9	300
L-HL-PUZG-125-K-3 ID: 0017943	L-HL-PUZG-125-K-3-DSV ID: 0017946	B-HL-PUZG-125-K ID: 0017949	125	40	160	32	105 x 80	80 x 60	9	350

Matching accessories can be found on page 432

# polyurethane // heavy-duty series HB // up to 2,100 kg



## Features:

- castor series HL and HB:
- heavy welded steel construction, galvanized
- fork head with hardened bearing shells and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LP)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HN-PUHS-070-K-3 ID: 0012675		B-HN-PUHS-070-K ID: 0012666	70	70	127	60	135 x 110	105 x 80	13	470
L-HN-PUHS-085-K-3 ID: 0012680		B-HN-PUHS-085-K ID: 0012671	85	70	135	60	135 x 110	105 x 80	13	550
L-HB-PUZG-100-K-3 ID: 0010117	L-HB-PUZG-100-K-3-DSV ID: 0010124	B-HB-PUZG-100-K ID: 0010131	100	50	150	35	135 x 110	105 x 80	11	450
L-HB-PUZG-125-K-3 ID: 0010118	L-HB-PUZG-125-K-3-DSV ID: 0010125	B-HB-PUZG-125-K ID: 0010132	125	50	170	50	135 x 110	105 x 80	11	550
L-HB-PUZG-150-K-3 ID: 0010119	L-HB-PUZG-150-K-3-DSV ID: 0010126	B-HB-PUZG-150-K ID: 0010133	150	50	200	55	135 x 110	105 x 80	11	700
L-HB-PUZG-200-K-3 ID: 0010120	L-HB-PUZG-200-K-3-DSV ID: 0010127	B-HB-PUZG-200-K ID: 0010134	200	50	245	60	135 x 110	105 x 80	11	1,000
L-HB-PUZG-200-K-3-B80 ID: 0039427	L-HB-PUZG-200-K-3-DSV-B80 ID: 0015925	B-HB-PUZG-200-K-B80 ID: 0038136	200	80	255	70	175 x 140	140 x 105	15	1,500
L-HB-PUZG-250-K-3 ID: 0010121	L-HB-PUZG-250-K-3-DSV ID: 0010128	B-HB-PUZG-250-K ID: 0010135	250	50	295	70	135 x 110	105 x 80	11	1,200
L-HB-PUZG-250-K-3-B60 ID: 0011396	L-HB-PUZG-250-K-3-DSV-B60 ID: 0017798	B-HB-PUZG-250-K-B60 ID: 0011397	250	60	305	70	175 x 140	140 x 105	15	1,400
L-HB-PUZG-250-K-3-B80 ID: 0010122	L-HB-PUZG-250-K-3-DSV-B80 ID: 0010129	B-HB-PUZG-250-K-B80 ID: 0010136	250	80	305	70	175 x 140	140 x 105	15	1,800
L-HB-PUZG-300-K-3 ID: 0010123	L-HB-PUZG-300-K-3-DSV ID: 0010130	B-HB-PUZG-250-K-B80 ID: 0010137	300	80	355	75	175 x 140	140 x 105	15	2,100

Matching accessories can be found on page 432

**polyurethane** // heavy-duty series HB // up to 2,100 kg



wheel ø 70  
and ø 85 very low  
height



***"Diameter 70 and 85 mm  
as shown"***

Matching accessories can be found on page 432



### Features:

- EPUG wheel series:
- wheel body made of special grey cast iron with ball bearing
- treads made of elastic polyurethane, approx. 78° shore A, with very strong polyurethane cushion






### Properties:

- high load capacity
- low rolling resistance
- non-marking
- runs quietly
- sturdy, shock-resistant, vibration-damping
- (old designation: 7/...)

### floors

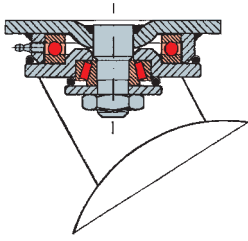


**"Delivering outstanding travel comfort"**

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPHS-082-70-K20 Ident No.: 0012423	82	70	20	70	700
EPHS-085-70-K20 Ident No.: 0012435	85	70	20	70	700
EPUG-100-40-50-K20 Ident No.: 0013796	100	40	20	50	300
EPUG-125-50-60-K20 Ident No.: 0013797	125	50	20	60	400
EPUG-150-50-60-K20 Ident No.: 0013799	150	50	20	60	450
EPUG-200-50-60-K25 Ident No.: 0013800	200	50	25	60	650
EPUG-250-50-60-K30 Ident No.: 0013801	250	50	30	60	800
EPUG-250-80-85-K30 Ident No.: 0010541	250	80	30	85	950
EPUG-300-75-75-K30 Ident No.: 0013803	300	75	30	75	1,250

Matching accessories can be found on page 432

## elastic polyurethane // Heavy-duty series HB // up to 1,250 kg



### Features:

- castor series HB:
- heavy welded steel construction, galvanized
- fork head with axial rib  
ball bearing and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LP)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-HN-EPHS-082-K-3 ID: 0012676		B-HN-EPHS-082-K ID: 0012667	82	70	133	63	137 x 110	105 x 80	12.3	700
L-HN-EPHS-085-K-3 ID: 0012678		B-HN-EPHS-085-K ID: 0012669	85	70	135	63	137 x 110	105 x 80	12.3	700
L-HB-EPUG-100-K-3 ID: 0019252	L-HB-EPUG-100-K-3-DSV ID: 0019253	B-HB-EPUG-100-K ID: 0015359	100	40	150	35	135 x 110	105 x 80	11	300
L-HB-EPUG-125-K-3 ID: 0019254	L-HB-EPUG-125-K-3-DSV ID: 0019255	B-HB-EPUG-125-K ID: 0015360	125	50	170	50	135 x 110	105 x 80	11	400
L-HB-EPUG-150-K-3 ID: 0019256	L-HB-EPUG-150-K-3-DSV ID: 0019257	B-HB-EPUG-150-K ID: 0015361	150	50	200	55	135 x 110	105 x 80	11	500
L-HB-EPUG-200-K-3 ID: 0019258	L-HB-EPUG-200-K-3-DSV ID: 0019259	B-HB-EPUG-200-K ID: 0015362	200	50	245	60	135 x 110	105 x 80	11	650
L-HB-EPUG-250-K-3 ID: 0019260	L-HB-EPUG-250-K-3-DSV ID: 0019261	B-HB-EPUG-250-K ID: 0015363	250	50	295	70	135 x 110	105 x 80	11	800
L-HB-EPUG-250-K-3-B80 ID: 0019262	L-HB-EPUG-250-K-3-DSV ID: 0019263	B-HB-EPUG-250-K ID: 0015364	250	80	305	70	175 x 140	140 x 105	15	950
L-HB-EPUG-300-K-3 ID: 0019264	L-HB-EPUG-300-K-3-DSV ID: 0019265	B-HB-EPUG-300-K ID: 0015365	300	75	355	75	175 x 140	140 x 105	15	1,250

Matching accessories can be found on page 432

## wheels // PAM and PAH ball bearing



### Features:






- PAM and PAH wheel series:
- polyamide 6 wheel body with ball bearing
- polyamide 6 can absorb and release moisture

### Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS and 820)

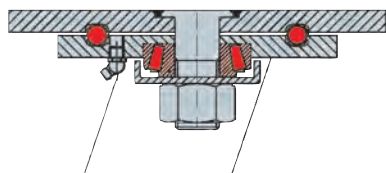
### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAHU-082-70-K20 Ident No.: 0012275	82	70	20	70	700
PAHU-085-80-K20 Ident No.: 0012336	85	80	20	80	850
PAM-080-35-40-K12 Ident No.: 0015402	80	35	12	40	200
PAM-100-35-40-K12 Ident No.: 0015403	100	35	12	40	300
PAH-100-40-48-K15 Ident No.: 0022598	100	40	15	48	500
PAM-125-40-50-K15 Ident No.: 0015404	125	40	15	50	400
PAH-125-50-60-K20 Ident No.: 0022626	125	50	20	60	800
PAH-150-50-60-K20 Ident No.: 0022637	150	50	20	60	900
PAH-200-50-60-K25 Ident No.: 0022657	200	50	25	60	1,300
PAH-250-50-60-K25 Ident No.: 0022672	250	50	25	60	1,500
PAH-250-58-75-K25 Ident No.: 0014394	250	58	25	75	1,700
PAH-300-60-70-K25 Ident No.: 0022677	300	60	25	70	2,000

Suitable castors can be found on pages 237, 238, 245

Matching accessories can be found on page 432



#### Features:

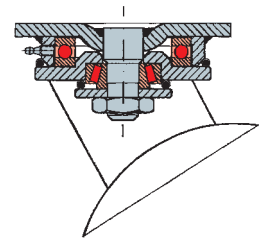
- castor series HL:
- heavy welded steel construction, galvanized
- fork head with hardened bearing shells and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LPL and BPL)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HL-PAM-080-K-3 ID: 0017950	L-HL-PAM-080-K-3-DSV ID: 0017953	B-HL-PAM-080-K ID: 0026815	80	34	125	30	105 x 80	80 x 60	9	200
L-HL-PAM-100-K-3 ID: 0017951	L-HL-PAM-100-K-3-DSV ID: 0026813	B-HL-PAM-100-K ID: 0026816	100	34	135	30	105 x 80	80 x 60	9	300
L-HL-PAM-125-K-3 ID: 0017952	L-HL-PAM-125-K-3-DSV ID: 0026814	B-HL-PAM-125-K ID: 0026817	125	40	160	32	105 x 80	80 x 60	9	400



## polyamide // heavy-duty series HB // up to 2,000 kg



### Features:

- castor series HB:
- heavy welded steel construction, galvanized
- fork head with axial rib ball bearing and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LP)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HN-PAHU-082-K-3 ID: 0012677		B-HN-PAHU-082-K ID: 0012668	82	70	133	60	135 x 110	105 x 80	13	700
L-HN-PAHU-085-K-3 ID: 0012679		B-HN-PAHU-085-K ID: 0012670	85	80	135	60	135 x 110	105 x 80	13	750
L-HB-PAH-100-K-3 ID: 0019291	L-HB-PAH-100-K-3-DSV ID: 0019292	B-HB-PAH-100-K ID: 0015378	100	40	150	35	135 x 110	105 x 80	11	400
L-HB-PAH-125-K-3 ID: 0019294	L-HB-PAH-125-K-3-DSV ID: 0019295	B-HB-PAH-125-K ID: 0015379	125	50	170	50	135 x 110	105 x 80	11	700
L-HB-PAH-150-K-3 ID: 0019296	L-HB-PAH-150-K-3-DSV ID: 0019297	B-HB-PAH-150-K ID: 0015380	150	50	200	55	135 x 110	105 x 80	11	800
L-HB-PAH-200-K-3 ID: 0019298	L-HB-PAH-200-K-3-DSV ID: 0019299	B-HB-PAH-200-K ID: 0015381	200	50	245	60	135 x 110	105 x 80	11	1,300
L-HB-PAH-250-K-3 ID: 0019300	L-HB-PAH-250-K-3-DSV ID: 0019301	B-HB-PAH-250-K ID: 0015382	250	50	295	70	135 x 110	105 x 80	11	1,500
L-HB-PAH-250-K-3-B58 ID: 0019302	L-HB-PAH-250-K-3-DSV-B58 ID: 0019303	B-HB-PAH-250-K-B58 ID: 0015383	250	58	305	70	175 x 140	140 x 105	15	1,700
L-HB-PAH-300-K-3 ID: 0019304	L-HB-PAH-300-K-3-DSV ID: 0019305	B-HB-PAH-300-K ID: 0015384	300	60	355	75	175 x 140	140 x 105	15	2,000

Matching accessories can be found on page 432



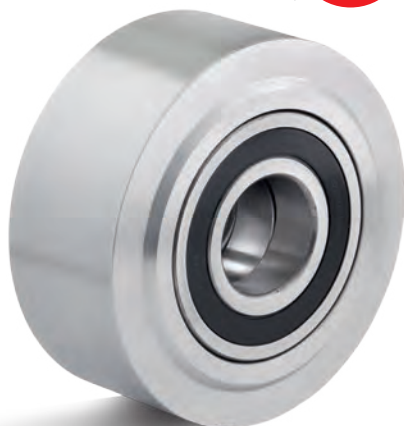
**polyamide** // heavy-duty series HB // up to 2,000 kg



wheel ø 70  
and ø 85 very low  
height



wheel ø 70  
and ø 85 very low  
height



high load  
capacity

#### Features:






- STS wheel series:
- all-steel wheels with ball bearings
- surface lightly oiled

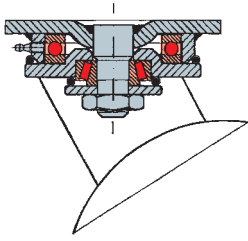
#### Properties:

- very high static and dynamic load-carrying capacity
- runs well on smooth floor surfaces
- very high abrasion resistance
- very low rolling resistance
- electrically conductive
- (old designation: 6)

#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
STS-075-35-35-K15 Ident No.: 0036626	75	35	15	35	600
STS-100-50-50-K15 Ident No.: 0012639	100	50	15	50	1,200
STS-130-60-60-K20 Ident No.: 0012641	130	60	20	60	1,300
STS-150-60-60-K20 Ident No.: 0012643	150	60	20	60	2,500
STS-200-60-60-K20 Ident No.: 0012646	200	60	20	60	1,300
STS-200-80-90-K20 Ident No.: 0039864	200	80	20	90	1,300



**Features:**

- castor series HB:
- heavy welded steel construction, galvanized
- fork head with axial rib  
ball bearing and tapered roller bearing, can be lubricated
- center pin screwed and secured
- (old designation: LP)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HB-ST5-075-K-3 ID: 0019267		B-HB-ST5-075-K ID: 0015366	75	50	133	45	135 x 110	105 x 80	11	400
L-HB-ST5-100-K-3 ID: 0019268	L-HB-ST5-100-K-3-DSV ID: 0040568	B-HB-ST5-100-K ID: 0015367	100	50	150	45	135 x 110	105 x 80	11	400
L-HB-ST5-130-K-3 ID: 0019269	L-HB-ST5-130-K-3-DSV ID: 0019270	B-HB-ST5-130-K ID: 0015368	130	60	172	50	135 x 110	105 x 80	11	800
L-HB-ST5-150-K-3 ID: 0019271	L-HB-ST5-150-K-3-DSV ID: 0019272	B-HB-ST5-150-K ID: 0015369	150	60	200	55	135 x 110	105 x 80	11	800
L-HB-ST5-200-K-3 ID: 0019273	L-HB-ST5-200-K-3-DSV ID: 0019274	B-HB-ST5-200-K ID: 0015370	200	60	245	60	135 x 110	105 x 80	11	1,300
L-HB-ST5-200-K-3-B80 ID: 0040569	L-HB-ST5-200-K-3-DSV-B80 ID: 0039867	B-HB-ST5-200-K-B80 ID: 0039868	200	80	255	77	175 x 140	140 x 105	15	1,300



## Features:






- PUZG wheel series:
- wheel body made of special grey cast iron with ball bearing
- tread made of molded polyurethane, approx. 95° shore A

## Properties:

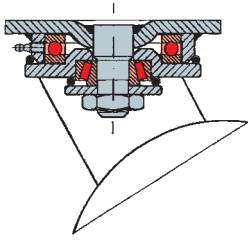
- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: Series 4)

## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZG-125-35-47-K15 Ident No.: 0011980	125	35	15	47	300
PUZG-150-40-40-K20 Ident No.: 0011986	150	40	20	40	700
PUZG-200-50-60-K25 Ident No.: 0037762	200	50	25	60	1,000
PUZG-250-60-60-K25 Ident No.: 0039228	250	60	25	60	1,400
PUZG-300-70-70-K30 Ident No.: 0012019	300	70	30	70	2,200









## polyurethane // heavy-duty double castors HD // up to 4,000 kg



### Features:

- castor series HD:
- heavy welded steel construction, painted black
- fork head with sealed axial rib ball bearing
- and partially tapered roller bearing, can be lubricated
- (old designation: DLR)



swivel castors	fixed castors								
		wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HD-PUZG-125-K-3 ID: 0015670	B-HD-PUZG-125-K ID: 0015634	125	35	177	50	175 x 140	140 x 105	13	500
L-HD-PUZG-150-K-3 ID: 0015680	B-HD-PUZG-150-K ID: 0015653	150	40	210	60	170 x 170	130 x 130	13	1,000
L-HD-PUZG-200-K-3 ID: 0015681	B-HD-PUZG-200-K ID: 0015654	200	50	270	70	200 x 200	160 x 160	17	2,200
L-HD-PUZG-250-K-3 ID: 0015682	B-HD-PUZG-250-K ID: 0015655	250	60	320	80	230 x 230	190 x 190	19	2,800
L-HD-PUZG-300-K-3 ID: 0015684	B-HD-PUZG-300-K ID: 0015656	300	70	375	85	230 x 230	190 x 190	19	4,000

Matching accessories can be found on page 432

## wheels // PAH ball bearing



### Features:






- PAH ball bearing wheel series:
- made of polyamide 6 with ball bearing
- polyamide 6 can absorb and release moisture

### Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PO)

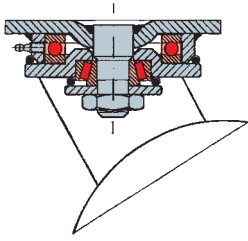
### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAH-150-40-40-K20 Ident No.: 0034852	150	40	20	40	700
PAH-200-50-60-K25 Ident No.: 0022657	200	50	25	60	1,300
PAH-250-58-75-K25 Ident No.: 0014394	250	58	25	75	1,700
PAH-300-60-70-K25 Ident No.: 0022677	300	60	25	70	2,000

Matching accessories can be found on page 432

## polyamide // heavy-duty double castors HD // up to 4,000 kg



### Features:

- castor series HD:
- heavy welded steel construction, painted black
- fork head with sealed axial rib ball bearing
- and partially tapered roller bearing, can be lubricated
- (old designation: DLR)



swivel castors	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HD-PAH-125-K-3 ID: 0015675	B-HD-PAH-125-K ID: 0015639	125	35	177	50	170 x 140	140 x 105	13	500
L-HD-PAH-150-K-3 ID: 0015676	B-HD-PAH-150-K ID: 0015640	150	40	210	60	170 x 170	130 x 130	13	1,000
L-HD-PAH-200-K-3 ID: 0015677	B-HD-PAH-200-K ID: 0015650	200	50	270	70	200 x 200	160 x 160	17	2,200
L-HD-PAH-250-K-3 ID: 0015678	B-HD-PAH-250-K ID: 0015651	250	60	350	80	230 x 230	190 x 190	19	2,800
L-HD-PAH-300-K-3 ID: 0015679	B-HD-PAH-300-K ID: 0015652	300	60	375	85	230 x 230	190 x 190	19	4,000

Matching accessories can be found on page 432

**Features:**






- GPA wheel series:
- made of tough, highly compressed cast polyamide with ball bearing

**Properties:**

- high load capacity
- low rolling resistance, durable and abrasion resistant
- excellent chemical resistance
- resistant to impacts and shock
- odorless, taste-free, hygienic
- long service life, resistant to deformation
- (old designation: GPOS)

**floors**

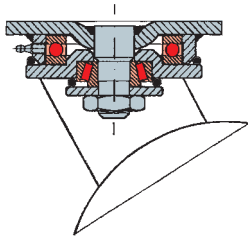
***"Trust in our strength – for heavy loads and high value"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
GPA-080-40-45-K20 Ident No.: 0028330	80	40	20	45	1,000
GPA-100-40-45-K25 Ident No.: 0028331	100	40	25	45	1,250
GPA-125-55-60-K25 Ident No.: 0028332	125	55	25	60	2,000
GPA-150-55-60-K30 Ident No.: 0028333	150	55	30	60	2,500
GPA-200-55-60-K35 Ident No.: 0028334	200	55	35	60	3,000
GPA-200-80-90-K45 Ident No.: 0028335	200	80	45	90	4,500
GPA-250-65-75-K45 Ident No.: 0028336	250	65	45	75	5,000

**Matching accessories can be found on page 432**











## PA 6-G // super heavy-duty housing HS // up to 5,000 kg



### Features:

- castor series HS:
- very sturdy welded steel construction
- protected against dust and splashed water
- can be lubricated, bolted and secured with sturdy center pin
- wheel axle is screwed on
- housings up to wheel diameter of 150 mm are galvanized; wheel diameters above 200 mm are painted black
- (old designation: LPSX)

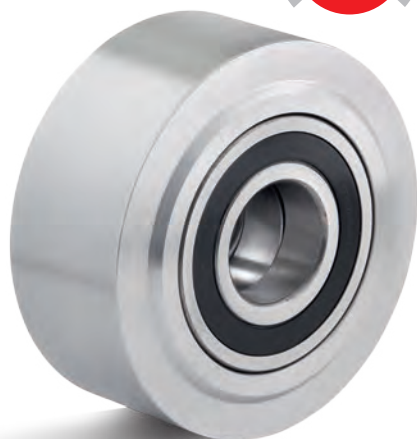


swivel castors	fixed castors	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 plate size mm	 hole spacing mm	 hole ø mm	 load- carrying capacity kg
L-HS-GPA-080-K-3 ID: 0028578	B-HS-GPA-080-K ID: 0028585	80	40	125	45	135 x 110	105 x 80	11	1,000
L-HS-GPA-100-K-3 ID: 0028579	B-HS-GPA-100-K ID: 0028586	100	40	145	50	135 x 110	105 x 80	11	1,250
L-HS-GPA-125-K-3 ID: 0028580	B-HS-GPA-125-K ID: 0028587	125	55	170	50	135 x 110	105 x 80	11	1,750
L-HS-GPA-150-K-3 ID: 0028581	B-HS-GPA-150-K ID: 0028588	150	55	205	65	175 x 140	140 x 105	14	2,500
L-HS-GPA-200-K-3 ID: 0028582	B-HS-GPA-200-K ID: 0028589	200	55	255	65	175 x 140	140 x 105	14	3,000
L-HS-GPA-200-K-3-B80 ID: 0028583	B-HS-GPA-200-K-B80 ID: 0028639	200	80	280	75	255 x 200	210 x 160	18	4,500
L-HS-GPA-250-K-3 ID: 0028584	B-HS-GPA-250-K ID: 0028590	250	65	380	110	400 x 300	340 x 240	26	5,000



with wheel brake

Matching accessories can be found on page 432



#### Features:






- STS wheel series:
- all-steel wheels with ball bearings
- surface lightly oiled

#### Properties:

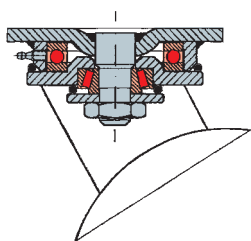
- very high static and dynamic load-carrying capacity
- runs well on smooth floor surfaces
- very high abrasion resistance
- very low rolling resistance
- electrically conductive
- (old designation: 6)

#### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
STS-100-40-45-K25 Ident No.: 0028591	100	40	25	45	1,700
STS-125-55-60-K30 Ident No.: 0028592	125	55	30	60	2,750
STS-150-55-60-K45 Ident No.: 0028593	150	55	45	60	4,000
STS-200-55-60-K50 Ident No.: 0028594	200	55	50	60	6,000
STS-200-80-90-K60 Ident No.: 0028595	200	80	60	90	6,000
STS-250-65-75-K70 Ident No.: 0028596	250	65	70	75	10,000









# steel // super heavy-duty housing HS // up to 10,000 kg



## Features:

- castor series HS:
- very sturdy welded steel construction
- protected against dust and splashed water
- can be lubricated, bolted and secured with sturdy center pin
- wheel axle is screwed on
- housings up to wheel diameter of 150 mm are galvanized; wheel diameters above 200 mm are painted black
- (old designation: LPSX)



swivel castors	fixed castors	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 plate size mm	 hole spacing mm	 hole ø mm	 load- carrying capacity kg
L-HS-ST5-100-K-3 ID: 0028597	B-HS-ST5-100-K ID: 0028603	100	40	145	50	135 x 110	105 x 80	11	1,700
L-HS-ST5-125-K-3 ID: 0028598	B-HS-ST5-125-K ID: 0028604	125	55	170	50	135 x 110	105 x 80	11	1,750
L-HS-ST5-150-K-3 ID: 0028599	B-HS-ST5-150-K ID: 0028605	150	55	205	65	175 x 140	140 x 105	14	3,000
L-HS-ST5-200-K-3 ID: 0028600	B-HS-ST5-200-K ID: 0028606	200	55	255	65	175 x 140	140 x 105	14	3,000
L-HS-ST5-200-K-3-B80 ID: 0028601	B-HS-ST5-200-K-B80 ID: 0028607	200	80	280	75	255 x 200	210 x 160	18	6,000
L-HS-ST5-250-K-3 ID: 0028602	B-HS-ST5-250-K ID: 0028608	250	65	380	110	400 x 300	340 x 240	26	10,000

Matching accessories can be found on page 432

# LIGHTWEIGHT STAINLESS STEEL CASTORS



SERIES	apparatus castors	industrial castors thermoplastic	industrial castors polyurethane	industrial castors elastic polyurethane	industrial castors polypropylene	industrial castors polyamide
LOAD-CARRYING CAPACITY	up to 80 kg	up to 220 kg	up to 270 kg	up to 130 kg	up to 270 kg	up to 270 kg
WHEEL-Ø	50 mm – 100 mm	80 mm – 200 mm	80 mm – 200 mm	80 mm – 125 mm	80 mm – 200 mm	80 mm – 200 mm
MATERIAL/TIRES	polyamide, thermoplastic	thermoplastic	polyurethane	elastic-polyurethane	polypropylene	polyamide
BEARING	plain bearing, ball bearing	ball bearing	plain bearing, ball bearing	ball bearing	ball bearing	plain bearing
PAGES	<b>262</b>	<b>268</b>	<b>271</b>	<b>274</b>	<b>277</b>	<b>280</b>



***“Clean and hygienic”***



# Stainless steel for high-quality applications

Stainless steel has a high resistance to oxidizing material so that it is also resistant to corrosion. This makes stainless steel an indispensable material for the food and pharmaceutical industries, as well as many other sectors with special application requirements. Our stainless steel products are mainly made of high-alloy chrome-nickel 1.4301 steel.

## Properties

- ☞ corrosion resistant
- ☞ wear-resistant
- ☞ hygienic
- ☞ conductive
- ☞ low-maintenance
- ☞ durable
- ☞ economical
- ☞ excellent chemical resistance
- ☞ acid resistance
- ☞ low magnetization



## Hardness range

approx. 190 – 215 HB (ball pressure hardness)

## Temperature range

stainless steel can be used from -100° C to 600° C

## Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove
- ☞ roller bearing

## areas of use // floors





smooth-running series

## Features:

- TPBK-VA wheel series:
- wheel body made of polypropylene with stainless steel ball bearing
- thermoplastic rubber tread grey, approx. 85° shore A
- spherical ball bearing protective cap

## Properties:






- runs quietly, non-marking
- higher load-carrying capacity than rubber
- low rolling resistance
- (old designation: TPKI)

## floors



**"TPE smooth-running series with stainless steel ball bearings"**

## wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-080-30-40-K08-VA Ident No.: 0024987	80	30	8	40	80
TPBK-100-30-40-K08-VA Ident No.: 0024988	100	30	8	40	90
TPBK-125-35-44-K08-VA Ident No.: 0029626	125	35	8	44	100
TPBK-160-40-60-K12-VA Ident No.: 0017874	160	40	12	60	180
TPBK-200-50-60-K12-VA Ident No.: 0017875	200	50	12	60	220

Castors can be found on page 268

Matching accessories can be found on page 432



**floors**






**Features:**

- TPKH-VA wheel series:
- polypropylene wheel body with 2 stainless steel ball bearings per wheel
- thermoplastic rubber tread grey, approx. 85° shore A

**Properties:**

- runs quietly
- non-marking
- higher load-carrying capacity than rubber
- low rolling resistance
- impact-resistant
- (old designation: THKS-Niro)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPKH-080-35-40-K12-VA Ident No.: 0022796	80	35	12	40	120
TPKH-100-34-40-K12-VA Ident No.: 0022798	100	34	12	40	150
TPKH-125-40-50-K15-VA Ident No.: 0022800	125	40	15	50	200
TPKH-150-45-60-K20-VA Ident No.: 0022802	150	45	20	60	260
TPKH-160-45-60-K20-VA Ident No.: 0038773	160	45	20	60	260
TPKH-200-50-60-K20-VA Ident No.: 0022804	200	50	20	60	350
TPKH-250-60-75-K25-VA Ident No.: 0038588	250	60	25	75	450

Castors can be found on page 271

Matching accessories can be found on page 432

## wheels // PUBK-VA stainless steel



smooth-  
running  
series

### Features:

- PUBK VA wheel series
- polyamide 6 wheel body with stainless steel ball bearing
- polyurethane tread, blue, approx. 95° shore A
- spherical ball bearing protective cap

### Properties:

- high load capacity
- low abrasion, non-marking
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PSKI)








### floors



***"PUR smooth-running series with stainless steel ball bearings"***

### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUBK-080-30-40-K08-VA Ident No.: 0024984	80	30	8	40	100
PUBK-100-30-40-K08-VA Ident No.: 0024985	100	30	8	40	150
PUBK-125-35-44-K08-VA Ident No.: 0029628	125	35	8	44	200
PUBK-160-40-60-K12-VA Ident No.: 0026978	160	40	12	60	250
PUBK-200-50-60-K12-VA Ident No.: 0026979	200	50	12	60	300

Castors can be found on page 271

Matching accessories can be found on page 432

## floors








## Features:

- PUZK-VA wheel series:
- wheel body made of polyamide 6, with 2 stainless steel ball bearings
- tread made of polyurethane, approx. 95° shore A, rounded edges

## Properties:

- high load capacity
- low abrasion, non-marking
- shock-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: PUSKS)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZK-080-35-40-K12-VA Ident No.: 0022806	80	35	12	40	150
PUZK-100-35-40-K12-VA Ident No.: 0022808	100	35	12	40	200
PUZK-125-40-50-K15-VA Ident No.: 0022810	125	40	15	50	250
PUZK-150-45-60-K20-VA Ident No.: 0022812	150	45	20	60	380
PUZK-160-45-60-K20-VA Ident No.: 0034270	160	45	20	60	400
PUZK-200-50-60-K20-VA Ident No.: 0022814	200	50	20	60	500

Castors can be found on page 288

Matching accessories can be found on page 432

wheels // EPSK-VA stainless steel



smooth-running series

Features:






- EPSK-grey wheel series:
- polyamide 6 wheel body with ball bearing
- elastic tread

Properties:

- runs quietly
- absorbs vibration
- (old designation: ERL)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPSK-080-30-40-K08-VA Ident No.: 0033630	80	30	8	40	80
EPSK-100-30-40-K08-VA Ident No.: 0033631	100	30	8	40	120
EPSK-125-35-44-K08-VA Ident No.: 0033632	125	35	8	44	130

Castors can be found on page 275

Matching accessories can be found on page 432

## floors



solid & un-even/rough



solid & smooth/flat



solid & sensitive






## Features:

- EPUK-VA wheel series:
- wheel body made of polyamide 6, with 2 stainless steel ball bearings
- tread made of elastic polyurethane, approx. 80° shore A, rounded edges

## Properties:

- runs quietly
- non-marking
- low abrasion
- impact-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- (old designation: PUKS-Niro)



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUK-080-35-40-K12-VA Ident No.: 0014362	80	35	12	40	130
EPUK-100-35-40-K12-VA Ident No.: 0014363	100	35	12	40	180
EPUK-125-40-50-K15-VA Ident No.: 0014364	125	40	15	50	200
EPUK-160-45-60-K20-VA Ident No.: 0014366	160	45	20	60	300
EPUK-200-50-60-K20-VA Ident No.: 0014367	200	50	20	60	450

Castors can be found on page 287

Matching accessories can be found on page 432

## wheels // PPBL-VA stainless steel



### Features:

- PPBL-VA wheel series:
- wheel body made of polypropylene with stainless steel ball bearings
- spherical ball bearing protective cap

### Properties:






- excellent chemical resistance
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PPKI)

### floors



**"PP smooth-running series with stainless steel ball bearings"**

### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PPBL-080-30-40-K08-VA Ident No.: 0024981	80	30	8	40	150
PPBL-100-30-40-K08-VA Ident No.: 0024982	100	30	8	40	180
PPBL-125-35-44-K08-VA Ident No.: 0029627	125	35	8	44	210
PPBL-160-40-60-K12-VA Ident No.: 0017872	160	40	12	60	300
PPBL-200-50-60-K12-VA Ident No.: 0017873	200	50	12	60	400

Castors can be found on page 278

Matching accessories can be found on page 432

## floors








## Features:

- PAM-VA wheel series:
- wheel made of polyamide 6, with 2 stainless steel ball bearings
- polyamide 6 can absorb and release moisture

## Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS)

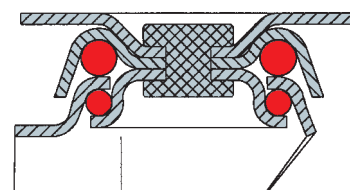


wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-K12-VA Ident No.: 0022816	80	35	12	40	200
PAM-100-35-40-K12-VA Ident No.: 0022818	100	35	12	40	300
PAM-125-40-50-K15-VA Ident No.: 0022820	125	40	15	50	400
PAM-150-45-60-K20-VA Ident No.: 0022822	150	45	20	60	700
PAM-160-45-60-K20-VA Ident No.: 0037730	160	45	20	60	700
PAM-200-50-60-K20-VA Ident No.: 0022824	200	50	20	60	1,000
PAM-200-50-60-K25-VA Ident No.: 0030842	200	50	25	60	1,000

Castors can be found on page 293

Matching accessories can be found on page 432

## thermoplastic // stainless steel apparatus castors AV // up to 80 kg



### Features:

- castor series AV:
- lightweight stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/GL for polyamide wheel with plain bearing or RFL/PTG for thermoplastic with bearing plain bearing)

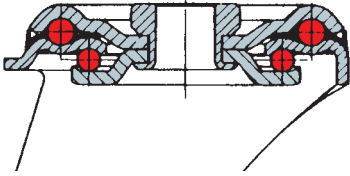


swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	bolt hole ø mm	load- carrying capacity kg
L-AV-TPGK-050-G-3 ID: 0029322	L-AV-TPGK-050-G-3-DSN ID: 0029325	B-AV-TPGK-050-G ID: 0029328	50	18	70	26	60 x 60	45 x 45	6.5	40
L-AV-TPGK-075-G-3 ID: 0029323	L-AV-TPGK-075-G-3-DSN ID: 0029326	B-AV-TPGK-075-G ID: 0029329	75	25	101	26	60 x 60	45 x 45	6.5	60
L-AV-TPGK-100-G-3 ID: 0029324	L-AV-TPGK-100-G-3-DSN ID: 0029327	B-AV-TPGK-100-G ID: 0029330	100	32	133	35	76 x 70	60 x 50	6.5	80

Matching accessories can be found on page 432









## thermoplastic// stainless steel apparatus castors AV // up to 80 kg



### Features:

- castor series AV:
- lightweight stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/GL for polyamide wheel with plain bearing or RFL/PTG for thermoplastic with bearing plain bearing)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-AV-TPGK-050-G-1 ID: 0029316	L-AV-TPGK-050-G-1-DSN ID: 0029319	50	18	70	26	12	40
L-AV-TPGK-075-G-1 ID: 0029317	L-AV-TPGK-075-G-1-DSN ID: 0029320	75	25	101	26	12	60
L-AV-TPGK-100-G-1 ID: 0029318	L-AV-TPGK-100-G-1-DSN ID: 0029321	100	32	133	35	12	80

Matching accessories can be found on page 432



Features:

- PAA wheel series
- polyamide wheel body with plain bearing
- temperature resistance: -25° C to +80° C
- polyamide can absorbs and release moisture






Properties:

- excellent chemical resistance
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: GL)

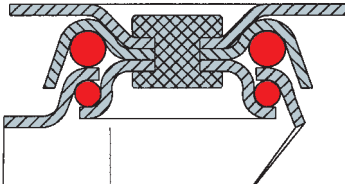
floors



wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAA-050-18-21-G08 Ident No.: 0016660	50	18	8	20.5	50
PAA-075-23-28-G08 Ident No.: 0016665	75	23	8	28	60

Matching accessories can be found on page 432



#### Features:

- castor series AV:
- lightweight stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/GL for polyamide wheel with plain bearing or RFL/PTG for thermoplastic with bearing plain bearing)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-AV-PAA-050-G-3 ID: 0037707	L-AV-PAA-050-G-3-DSN ID: 0040670	B-AV-PAA-050-G ID: 0037708	50	18	70	25	60 x 60	45 x 45	6.5	40
L-AV-PAA-075-G-3 ID: 0039085	L-AV-PAA-075-G-3-DSN ID: 0039086	B-AV-PAA-075-G ID: 0040673	75	25	101	26	60 x 60	45 x 45	6.5	60

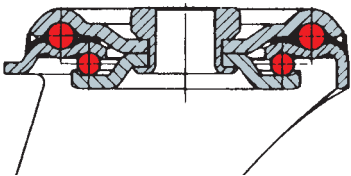


-1 (bolt hole)








1-DSN (bolt hole+ double brake)

plastic//stainless steel apparatus castors AV//up to 60 kg



- Features:**
- castor series AV:
  - lightweight stainless steel housing
  - fork head with double ball bearing
  - all mounted parts are resistant to rust and acid
  - (old designation: RFL/GL for polyamide wheel with plain bearing or RFL/PTG for thermoplastic with bearing plain bearing)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 load-carrying capacity kg
L-AV-PAA-050-G-1 ID: 0035327	L-AV-PAA-050-G-1-DSN ID: 0040671	50	18	70	26	40
L-AV-PAA-075-G-1 ID: 0035330	L-AV-PAA-050-G-1-DSN ID: 0040672	75	25	101	26	60



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

**plastic**// stainless steel apparatus castors AV // up to 60 kg

## wheels // TPBK-VA stainless steel



smooth-running series

### Features:

- TPBK-VA wheel series:
- wheel body made of polypropylene with stainless steel ball bearing
- thermoplastic rubber tread
- grey, approx. 85° shore A
- spherical ball bearing protective cap

### Properties:

- runs quietly, non-marking
- higher load-carrying capacity than rubber
- low rolling resistance
- (old designation: TPKI)








### floors

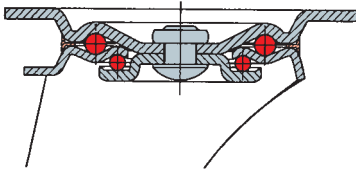


**"TPE smooth-running series with stainless steel ball bearings"**

### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-080-30-40-K08-VA Ident No.: 0024987	80	30	8	40	80
TPBK-100-30-40-K08-VA Ident No.: 0024988	100	30	8	40	90
TPBK-125-35-44-K08-VA Ident No.: 0029626	125	35	8	44	100
TPBK-160-40-60-K12-VA Ident No.: 0017874	160	40	12	60	180
TPBK-200-50-60-K12-VA Ident No.: 0017875	200	50	12	60	220

Matching accessories can be found on page 432



#### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IV-TPBK-080-K-3 ID: 0024999	L-IV-TPBK-080-K-3-DSN ID: 0025000	B-IV-TPBK-080-K ID: 0025001	80	30	108	32	100 x 80	80 x 60	9	80
L-IV-TPBK-100-K-3 ID: 0025002	L-IV-TPBK-100-K-3-DSN ID: 0025003	B-IV-TPBK-100-K ID: 0025004	100	30	128	32	100 x 80	80 x 60	9	90
L-IV-TPBK-125-K-3 ID: 0025005	L-IV-TPBK-125-K-3-DSN ID: 0025006	B-IV-TPBK-125-K ID: 0025007	125	35	155	32	100 x 80	80 x 60	9	100
L-IV-TPBK-160-K-3 ID: 0027486	L-IV-TPBK-160-K-3-DSN ID: 0027488	B-IV-TPBK-160-K ID: 0027490	160	40	197	52	130 x 106	105 x 80	11	180
L-IV-TPBK-200-K-3 ID: 0027487	L-IV-TPBK-200-K-3-DSN ID: 0027489	B-IV-TPBK-200-K ID: 0027491	200	50	240	49	130 x 106	105 x 80	11	220



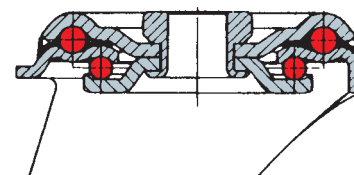
-1 (bolt hole)



1-DSN (bolt hole+ double brake)

Matching accessories can be found on page 432

## thermoplastic // stainless steel standard series IV // up to 220 kg



### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IV-TPBK-080-K-1 ID: 0030137	L-IV-TPBK-080-K-1-DSN ID: 0030142	80	30	108	32	12	80
L-IV-TPBK-100-K-1 ID: 0030138	L-IV-TPBK-100-K-1-DSN ID: 0030143	100	30	128	32	12	90
L-IV-TPBK-125-K-1 ID: 0030139	L-IV-TPBK-125-K-1-DSN ID: 0030144	125	35	155	32	12	100
L-IV-TPBK-160-K-1 ID: 0030140	L-IV-TPBK-160-K-1-DSN ID: 0030145	160	40	197	52	12	180
L-IV-TPBK-200-K-1 ID: 0030141	L-IV-TPBK-200-K-1-DSN ID: 0030146	200	50	240	49	12.5	220



-3 (plate)



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432



## floors



## Features:






- PUBK VA wheel series:
- polyamide 6 wheel body with stainless steel ball bearing
- polyurethane tread, blue, approx. 95° shore A
- spherical ball bearing protective cap

## Properties:

- high load capacity
- low abrasion, non-marking
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PSKI)



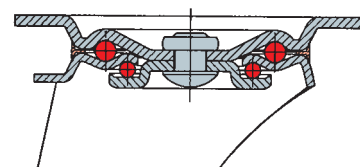
***"PUR smooth-running series with stainless steel ball bearings"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUBK-080-30-40-K08-VA Ident No.: 0024984	80	30	8	40	100
PUBK-100-30-40-K08-VA Ident No.: 0024985	100	30	8	40	150
PUBK-125-35-44-K08-VA Ident No.: 0029628	125	35	8	44	200
PUBK-160-40-60-K12-VA Ident No.: 0026978	160	40	12	60	250
PUBK-200-50-60-K12-VA Ident No.: 0026979	200	50	12	60	300

Castors can be found on page 272

Matching accessories can be found on page 432

# polyurethane // stainless steel standard series IV // up to 270 kg



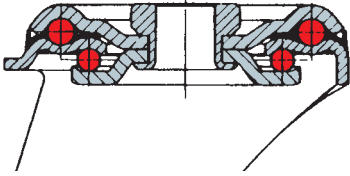
## Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IV-PUBK-080-K-3 ID: 0024990	L-IV-PUBK-080-K-3-DSN ID: 0024991	B-IV-PUBK-080-K ID: 0024992	80	30	108	32	100 x 80	80 x 60	9	100
L-IV-PUBK-100-K-3 ID: 0024993	L-IV-PUBK-100-K-3-DSN ID: 0024994	B-IV-PUBK-100-K ID: 0024995	100	30	128	32	100 x 80	80 x 60	9	130
L-IV-PUBK-125-K-3 ID: 0024996	L-IV-PUBK-125-K-3-DSN ID: 0024997	B-IV-PUBK-125-K ID: 0024998	125	35	155	32	100 x 80	80 x 60	9	130
L-IV-PUBK-160-K-3 ID: 0027480	L-IV-PUBK-160-K-3-DSN ID: 0027482	B-IV-PUBK-160-K ID: 0027484	160	40	197	52	130 x 106	105 x 80	11	250
L-IV-PUBK-200-K-3 ID: 0027481	L-IV-PUBK-200-K-3-DSN ID: 0027483	B-IV-PUBK-200-K ID: 0027485	200	50	240	49	130 x 106	105 x 80	11	270

Matching accessories can be found on page 432



#### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IV-PUBK-080-K-1 ID: 0030127	L-IV-PUBK-080-K-1-DSN ID: 0030132	80	30	108	32	12	100
L-IV-PUBK-100-K-1 ID: 0030128	L-IV-PUBK-100-K-1-DSN ID: 0030133	100	30	128	32	12	130
L-IV-PUBK-125-K-1 ID: 0030129	L-IV-PUBK-125-K-1-DSN ID: 0030134	125	35	155	32	12	130
L-IV-PUBK-160-K-1 ID: 0030130	L-IV-PUBK-160-K-1-DSN ID: 0030135	160	40	197	52	12	250
L-IV-PUBK-200-K-1 ID: 0030131	L-IV-PUBK-200-K-1-DSN ID: 0030136	200	50	240	49	12	270

wheels // EPSK-VA stainless steel



smooth-running series

Features:

- EPSK-grey wheel series:
- polyamide 6 wheel body with ball bearing
- elastic tread

Properties:






- runs quietly
- absorbs vibration
- (old designation: ERL)

floors



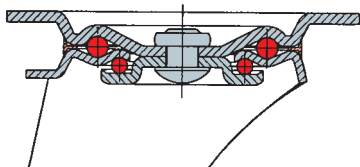
 *“Smooth-running series with highly elastic travel comfort”*

wheels
EPSK-080-30-40-K08-VA Ident No.: 0033630
EPSK-100-30-40-K08-VA Ident No.: 0033631
EPSK-125-35-44-K08-VA Ident No.: 0033632

 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
80	30	8	40	80
100	30	8	40	120
125	35	8	44	130

Matching accessories can be found on page 432

**elastic polyurethane // stainless steel standard series IV // up to 130 kg**



**Features:**

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IV-EPSK-080-K-3 ID: 0034026	L-IV-EPSK-080-K-3-DSN ID: 0034027	B-IV-EPSK-080-K ID: 0034028	80	30	108	32	100 x 80	60 x 80	9	80
L-IV-EPSK-100-K-3 ID: 0034029	L-IV-EPSK-100-K-3-DSN ID: 0034030	B-IV-EPSK-100-K ID: 0034031	100	30	128	32	100 x 80	60 x 80	9	120
L-IV-EPSK-125-K-3 ID: 0034032	L-IV-EPSK-125-K-3-DSN ID: 0034033	B-IV-EPSK-125-K ID: 0034034	125	35	155	32	100 x 80	60 x 80	9	130



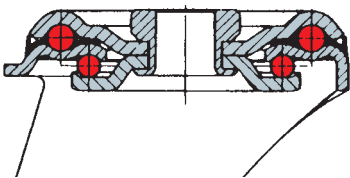
-1 (bolt hole)



1-DSN (bolt hole+  
double brake)







Matching accessories can be found on page 432

elastic polyurethane // stainless steel standard series IV // up to 130 kg



- Features:**
- castor series IV:
  - standard stainless steel housing
  - fork head with double ball bearing
  - all mounted parts are resistant to rust and acid
  - (old designation: RFL/...)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IV-EPSK-080-K-1 ID: 0034883	L-IV-EPSK-080-K-1-DSN ID: 0034886	80	30	108	32	12	80
L-IV-EPSK-100-K-1 ID: 0034884	L-IV-EPSK-100-K-1-DSN ID: 0034887	100	30	128	32	12	120
L-IV-EPSK-125-K-1 ID: 0034885	L-IV-EPSK-125-K-1-DSN ID: 0034888	125	35	155	32	12	130



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

## floors



## Features:






- PPBL-VA wheel series:
- wheel body made of polypropylene with stainless steel ball bearings
- spherical ball bearing protective cap

## Properties:

- excellent chemical resistance
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: PPKI)



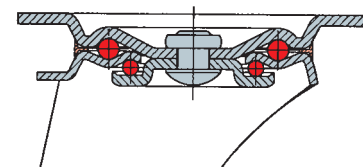
***"PP smooth-running series with stainless steel ball bearings"***

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PPBL-080-30-40-K08-VA Ident No.: 0024981	80	30	8	40	150
PPBL-100-30-40-K08-VA Ident No.: 0024982	100	30	8	40	180
PPBL-125-35-44-K08-VA Ident No.: 0029627	125	35	8	44	210
PPBL-160-40-60-K12-VA Ident No.: 0017872	160	40	12	60	300
PPBL-200-50-60-K12-VA Ident No.: 0017873	200	50	12	60	400

Castors can be found on page 278

Matching accessories can be found on page 432

# polypropylene // stainless steel standard series IV // up to 270 kg



## Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)

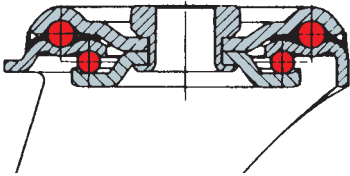


swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IV-PPBL-080-K-3 ID: 0025008	L-IV-PPBL-080-K-3-DSN ID: 0025009	B-IV-PPBL-080-K ID: 0025010	80	30	108	32	100 x 80	80 x 60	9	130
L-IV-PPBL-100-K-3 ID: 0025011	L-IV-PPBL-100-K-3-DSN ID: 0025012	B-IV-PPBL-100-K ID: 0025013	100	30	128	32	100 x 80	80 x 60	9	130
L-IV-PPBL-125-K-3 ID: 0025014	L-IV-PPBL-125-K-3-DSN ID: 0025015	B-IV-PPBL-125-K ID: 0025016	125	35	155	32	100 x 80	80 x 60	9	130
L-IV-PPBL-160-K-3 ID: 0027475	L-IV-PPBL-160-K-3-DSN ID: 0027338	B-IV-PPBL-160-K ID: 0027461	160	40	197	52	130 x 106	105 x 80	11	270
L-IV-PPBL-200-K-3 ID: 0027476	L-IV-PPBL-200-K-3-DSN ID: 0027477	B-IV-PPBL-200-K ID: 0027479	200	50	240	49	130 x 106	105 x 80	11	270

Matching accessories can be found on page 432



## polypropylene // stainless steel standard series IV // up to 270 kg



### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IV-PPBL-080-K-1 ID: 0030489	L-IV-PPBL-080-K-1-DSN ID: 0030494	80	30	108	32	12	130
L-IV-PPBL-100-K-1 ID: 0030490	L-IV-PPBL-100-K-1-DSN ID: 0030495	100	30	128	32	12	130
L-IV-PPBL-125-K-1 ID: 0030491	L-IV-PPBL-125-K-1-DSN ID: 0030496	125	35	155	32	12	130
L-IV-PPBL-160-K-1 ID: 0030492	L-IV-PPBL-160-K-1-DSN ID: 0030497	160	40	197	52	12.5	270
L-IV-PPBL-200-K-1 ID: 0030493	L-IV-PPBL-200-K-1-DSN ID: 0030498	200	50	240	49	12.5	270

Matching accessories can be found on page 432



## Features:

- PALB and PALZ wheel series, with plain bearings:
- polyamide 6 wheel body with plain bearings
- polyamide 6 can absorb and release moisture

## Properties:






- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- (old designation: POD/TG)

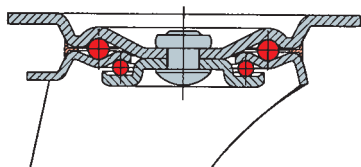
## floors



**"Our PALB series with strongly convex running surface: excellent turning characteristics"**

## wheels

					
	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PALB-080-33-40-G12 Ident No.: 0033518	80	33	12	40	150
PALB-100-35-40-G12 Ident No.: 0033519	100	35	12	40	200
PALB-125-36-50-G15 Ident No.: 0033520	125	36	15	50	300
PALB-150-40-58-G20 Ident No.: 0033521	150	40	20	58	450
PALZ-160-40-50-G15 Ident No.: 0022640	160	40	15	50	450
PALB-200-48-58-G20 Ident No.: 0033522	200	48	20	58	550



#### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IV-PALB-080-G-3 ID: 0023393	L-IV-PALB-080-G-3-DSN ID: 0023398	B-IV-PALB-080-G ID: 0023284	80	30	108	32	100 x 80	80 x 60	8	130
L-IV-PALB-100-G-3 ID: 0022222	L-IV-PALB-100-G-3-DSN ID: 0022202	B-IV-PALB-100-G ID: 0023286	100	35	128	32	100 x 80	80 x 60	8	130
L-IV-PALB-125-G-3 ID: 0022218	L-IV-PALB-125-G-3-DSN ID: 0023406	B-IV-PALB-125-G ID: 0023289	125	35	155	32	100 x 80	80 x 60	10	130
L-IV-PALB-125-G-3-GP ID: 0022214	L-IV-PALB-125-G-3-DSN-GP ID: 0022208	B-IV-PALB-125-G-GP ID: 0023288	125	36	160	47	134 x 110	105 x 80	10.5	250
L-IV-PALZ-160-G-3 ID: 0023419	L-IV-PALZ-160-G-3-DSN ID: 0023422	B-IV-PALZ-160-G ID: 0023292	160	40	197	52	130 x 106	105 x 80	12	270
L-IV-PALB-200-G-3 ID: 0023423	L-IV-PALB-200-G-3-DSN ID: 0023426	B-IV-PALB-200-G ID: 0023294	200	50	240	49	130 x 106	105 x 80	12	270

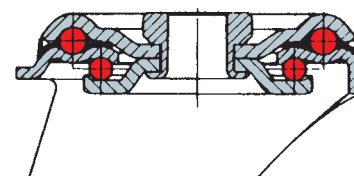


-1 (bolt hole)



1-DSN (bolt hole+ double brake)

## polyamide// stainless steel standard series IV // up to 270 kg



### Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IV-PALB-080-G-1 ID: 0023399	L-IV-PALB-080-G-1-DSN ID: 0023400	80	30	108	32	12	130
L-IV-PALB-100-G-1 ID: 0022212	L-IV-PALB-100-G-1-DSN ID: 0022204	100	35	128	32	12	130
L-IV-PALB-125-G-1 ID: 0023407	L-IV-PALB-125-G-1-DSN ID: 0023408	125	35	155	32	12	130
L-IV-PALZ-160-G-1 ID: 0030148	L-IV-PALZ-160-G-1-DSN ID: 0030150	160	40	197	52	12	270
L-IV-PALB-200-G-1 ID: 0030149	L-IV-PALB-200-G-1-DSN ID: 0030151	200	50	240	49	12	270



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

**polyamide //** stainless steel standard series IV **//** up to 270 kg

# HEAVY-DUTY STAINLESS-STEEL CASTORS



SERIES	industrial castors thermoplastic	industrial castors polyurethane	industrial castors elastic polyurethane	industrial castors polyamide	industrial castors polyamide
LOAD-CARRYING CAPACITY	up to 350 kg	up to 500 kg	up to 450 kg	up to 700 kg	up to 1,000 kg
WHEEL-Ø	80 mm – 200 mm	80 mm – 200 mm	80 mm – 200 mm	80 mm – 200 mm	125 mm – 200 mm
MATERIAL/TIRES	thermoplastic	polyurethane	elastic-polyurethane	polyamide	polyamide
BEARING	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing
PAGES	286	288	290	292	294



***“For heavy loads and high value”***





## Features:






- TPKH-VA wheel series:
- polypropylene wheel body with 2 stainless steel ball bearings per wheel
- thermoplastic rubber tread, grey, approx. 85° shore A

## Properties:

- runs quietly
- non-marking
- higher load-carrying capacity than rubber
- low rolling resistance
- impact-resistant
- (old designation: THKS-Niro)

## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPKH-080-35-40-K12-VA Ident No.: 0022796	80	35	12	40	120
TPKH-100-34-40-K12-VA Ident No.: 0022798	100	34	12	40	150
TPKH-125-40-50-K15-VA Ident No.: 0022800	125	40	15	50	200
TPKH-150-45-60-K20-VA Ident No.: 0022802	150	45	20	60	260
TPKH-160-45-60-K20-VA Ident No.: 0038773	160	45	20	60	260
TPKH-200-50-60-K20-VA Ident No.: 0022804	200	50	20	60	350
TPKH-250-60-75-K25-VA Ident No.: 0038588	250	60	25	75	450



## thermoplastic // heavy stainless steel series MV // up to 350 kg



### Features:

- castor series MV:
- extra heavy stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: LNC/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-MV-TPKH-080-K-3 ID: 0040399	L-MV-TPKH-080-K-3-DSN ID: 0036270	B-MV-TPKH-080-K ID: 0040404	80	35	108	47	100 x 84	80 x 60	9	120
L-MV-TPKH-100-K-3 ID: 0040400	L-MV-TPKH-100-K-3-DSN ID: 0040403	B-MV-TPKH-100-K ID: 0040405	100	35	128	47	100 x 84	80 x 60	9	150
L-MV-TPKH-125-K-3 ID: 0014489	L-MV-TPKH-125-K-3-DSN ID: 0039107	B-MV-TPKH-125-K ID: 0039108	125	40	156	52	100 x 84	80 x 60	9	200
L-MV-TPKH-150-K-3 ID: 0040401	L-MV-TPKH-150-K-3-DSN ID: 0035160	B-MV-TPKH-150-K ID: 0035161	150	45	195	60	132 x 110	105 x 80	12	260
L-MV-TPKH-200-K-3 ID: 0040402	L-MV-TPKH-200-K-3-DSN ID: 0037405	B-MV-TPKH-200-K ID: 0040406	200	50	243	59	132 x 110	105 x 80	12	350

Matching accessories can be found on page 432



## Features:

- PUZK-VA wheel series:
- wheel body made of polyamide 6, with 2 stainless steel ball bearings
- tread made of polyurethane, approx. 95° shore A, rounded edges

## Properties:






- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: PUSKS-Niro)



## floors



## wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZK-080-35-40-K12-VA Ident No.: 0022806	80	35	12	40	150
PUZK-100-35-40-K12-VA Ident No.: 0022808	100	35	12	40	200
PUZK-125-40-50-K15-VA Ident No.: 0022810	125	40	15	50	250
PUZK-150-45-60-K20-VA Ident No.: 0022812	150	45	20	60	380
PUZK-160-45-60-K20-VA Ident No.: 0034270	160	45	20	60	400
PUZK-200-50-60-K20-VA Ident No.: 0022814	200	50	20	60	500

## polyurethane // heavy stainless steel series MV // up to 500 kg



### Features:

- castor series MV:
- extra heavy stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: LNC/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-MV-PUZK-080-K-3 ID: 0029914	L-MV-PUZK-080-K-3-DSN ID: 0029920	B-MV-PUZK-080-K ID: 0029925	80	35	108	47	100 x 84	80 x 60	9	150
L-MV-PUZK-100-K-3 ID: 0029915	L-MV-PUZK-100-K-3-DSN ID: 0029921	B-MV-PUZK-100-K ID: 0029926	100	35	128	47	100 x 84	80 x 60	9	200
L-MV-PUZK-125-K-3 ID: 0029916	L-MV-PUZK-125-K-3-DSN ID: 0029922	B-MV-PUZK-125-K ID: 0029927	125	40	156	51	100 x 84	80 x 60	9	250
L-MV-PUZK-150-K-3 ID: 0029917	L-MV-PUZK-150-K-3-DSN ID: 0029923	B-MV-PUZK-150-K ID: 0029928	150	45	195	60	132 x 110	105 x 80	12	400
L-MV-PUZK-200-K-3 ID: 0029918	L-MV-PUZK-200-K-3-DSN ID: 0029924	B-MV-PUZK-200-K ID: 0029929	200	50	243	59	132 x 110	105 x 80	12	500

Matching accessories can be found on page 432



## Features:






- EPUK-VA wheel series:
- wheel body made of polyamide 6, with 2 stainless steel ball bearings
- tread made of elastic polyurethane, approx. 80° shore A, rounded edges

## Properties:

- runs quietly
- non-marking, low abrasion
- impact-resistant
- low rolling resistance
- excellent chemical resistance
- resistant to oil and grease
- (old designation: PUKS-Niro)

## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUK-080-35-40-K12-VA Ident No.: 0014362	80	35	12	40	130
EPUK-100-35-40-K12-VA Ident No.: 0014363	100	35	12	40	180
EPUK-125-40-50-K15-VA Ident No.: 0014364	125	40	15	50	200
EPUK-160-45-60-K20-VA Ident No.: 0014366	160	45	20	60	300
EPUK-200-50-60-K20-VA Ident No.: 0014367	200	50	20	60	450

## elastic polyurethane // heavy stainless steel series MV // up to 450 kg



### Features:

- castor series MV:
- extra heavy stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: LNC/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-MV-EPUK-080-K-3 ID: 0029884	L-MV-EPUK-080-K-3-DSN ID: 0029889	B-MV-EPUK-080-K ID: 0029894	80	35	108	47	100 x 84	80 x 60	9	130
L-MV-EPUK-100-K-3 ID: 0029885	L-MV-EPUK-100-K-3-DSN ID: 0029890	B-MV-EPUK-100-K ID: 0029895	100	35	128	47	100 x 84	80 x 60	9	180
L-MV-EPUK-125-K-3 ID: 0029886	L-MV-EPUK-125-K-3-DSN ID: 0029891	B-MV-EPUK-125-K ID: 0029896	125	40	156	51	100 x 84	80 x 60	9	200
L-MV-EPUK-160-K-3 ID: 0029887	L-MV-EPUK-160-K-3-DSN ID: 0029892	B-MV-EPUK-160-K ID: 0029897	160	45	200	60	132 x 110	105 x 80	12	300
L-MV-EPUK-200-K-3 ID: 0029888	L-MV-EPUK-200-K-3-DSN ID: 0029893	B-MV-EPUK-200-K ID: 0029898	200	50	243	59	132 x 110	105 x 80	12	450

Matching accessories can be found on page 432



## Features:

- PAM-VA wheel series:
- wheel made of polyamide 6, with 2 stainless steel ball bearings
- polyamide 6 can absorb and release moisture






## Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS-Niro)



## floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-K12-VA Ident No.: 0022816	80	35	12	40	200
PAM-100-35-40-K12-VA Ident No.: 0022818	100	35	12	40	300
PAM-125-40-50-K15-VA Ident No.: 0022820	125	40	15	50	400
PAM-150-45-60-K20-VA Ident No.: 0022822	150	45	20	60	700
PAM-160-45-60-K20-VA Ident No.: 0037730	160	45	20	60	700
PAM-200-50-60-K20-VA Ident No.: 0022824	200	50	20	60	1,000
PAM-200-50-60-K25-VA Ident No.: 0030842	200	50	25	60	1,000

## Polyamide//heavy stainless steel series MV//up to 700 kg



### Features:

- castor series MV:
- extra heavy stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: LNC/...)

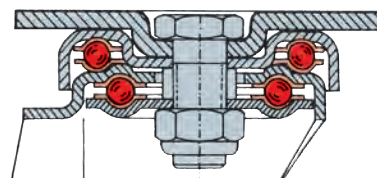


swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-MV-PAM-080-K-3 ID: 0029854	L-MV-PAM-080-K-3-DSN ID: 0029859	B-MV-PAM-080-K ID: 0029864	80	35	108	47	100 x 84	80 x 60	9	200
L-MV-PAM-100-K-3 ID: 0029855	L-MV-PAM-100-K-3-DSN ID: 0029860	B-MV-PAM-100-K ID: 0029865	100	35	128	47	100 x 84	80 x 60	9	300
L-MV-PAM-125-K-3 ID: 0029856	L-MV-PAM-125-K-3-DSN ID: 0029861	B-MV-PAM-125-K ID: 0029866	125	40	156	51	100 x 84	80 x 60	9	300
L-MV-PAM-150-K-3 ID: 0029857	L-MV-PAM-150-K-3-DSN ID: 0029862	B-MV-PAM-150-K ID: 0029867	150	45	195	60	132 x 110	105 x 80	12	700
L-MV-PAM-200-K-3 ID: 0029858	L-MV-PAM-200-K-3-DSN ID: 0029863	B-MV-PAM-200-K ID: 0029868	200	50	243	59	132 x 110	105 x 80	12	700

Matching accessories can be found on page 432



# polyamide// heavy stainless steel series HV // up to 1,000 kg



## Features

- castor series HV:
- extra heavy stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RLP/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-HV-PAM-125-K-3 ID: 0033867	L-HV-PAM-125-K-3-DSV ID: 0033870	B-HV-PAM-125-K ID: 0033873	125	40	178	45	140 x 110	105 x 80	12	400
L-HV-PAM-150-K-3 ID: 0033868	L-HV-PAM-150-K-3-DSV ID: 0033871	B-HV-PAM-150-K ID: 0033874	150	45	211	52	140 x 110	105 x 80	12	700
L-HV-PAM-200-K-3 ID: 0033869	L-HV-PAM-200-K-3-DSV ID: 0033872	B-HV-PAM-200-K ID: 0033875	200	50	250	58	140 x 110	105 x 80	12	1,000

Matching accessories can be found on page 432



**polyamide //** heavy stainless steel series HV **//** up to 1,000 kg

# ELECTRICALLY CONDUCTIVE WHEELS AND CASTORS



SERIES	apparatus castors thermoplastic	industrial castors thermoplastic	industrial castors solid rubber	industrial castors elastic solid rubber	industrial castors polyurethane	lightweight industrial castors polyamide
LOAD- CARRYING CAPACITY	up to 65 kg	up to 110 kg	up to 295 kg	up to 400 kg	up to 500 kg	up to 350 kg
WHEEL-Ø	50 mm - 100 mm	80 mm - 125 mm	80 mm – 250 mm	80 mm - 200 mm	80 mm - 200 mm	80 mm - 200 mm
MATERIAL/ TIRES	thermoplastic	thermoplastic	solid rubber	elastic- solid rubber	polyurethane	polyamide
BEARING	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing	roller bearing
PAGES	<b>300</b>	<b>303</b>	<b>306</b>	<b>310</b>	<b>312</b>	<b>314</b>



	heavy industrial castors polyamide	stainless steel castors polyamide
	up to 600 kg	up to 350 kg
	80 mm - 200 mm	80 mm - 200 mm
	polyamide	polyamide
	ball bearing	roller bearing
	320	317





## Electrically conductive wheels and castors

Solid rubber, thermoplastic rubber, polyurethane and polyamide are materials which are electrically conductive when they contain special additives. The wheels and castors then achieve an electrical resistance of less than 10 to the power 4 (10,000) ohms; they thus comply with the requirements of DIN EN 12527 and 12533. Such wheels and castors are used wherever an electrostatic discharge must be avoided (e.g. pharmaceuticals, clean room, automotive, and electrical industry applications).

### Properties

leakage resistance: less than 10,000 ohms



### Safety note instructions

In order to ensure the conductivity of painted components, the attachment points to the transporter must have no paint. The electrical conductivity of the wheels and wheel coverings can be affected by incapacitating deposits or by chemical and mechanical influences. This could cause the permissible values (as specified in the standards) to be exceeded. Dust, dirt, paint, acids, alkalis, overloads and impacts can reduce or prevent electrical/electrostatic energy from being discharged to the floor. It is the sole responsibility of the user to continually monitor all safety-related requirements, such as compliance with electrical conductivity standards during usage.

### Hardness range

depends on the tread material

### Temperature range

depends on the series of wheel

### Bearing types

- 🌀 plain bearing (through hole)
- 🌀 roller bearing
- 🌀 ball bearing

### areas of use // floors



wheels electrically conductive // TPBK-EC



Features:

- TPBK-EC wheel series:
- polypropylene wheel body with ball bearing
- thermoplastic rubber tread
- with thread guards to protect the ball bearing from dust and dirt






Properties:

- runs quietly
- non-marking
- low rolling resistance
- electrically conductive
- the leakage resistance is < 10,000 ohms
- (old designation: KO-ELF)

floors

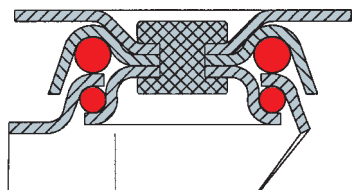


wheels
TPBK-050-19-22-K06-EC Ident No.: 0033382
TPBK-075-23-29-K06-EC Ident No.: 0033383
TPBK-100-25-29-K08-EC Ident No.: 0033384

 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
50	19	6	22	40
75	23	6	29	50
100	25	8	29	65

Matching accessories can be found on page 432









thermoplastic electrically conductive // apparatus castors, lightweight AL // up to 65 kg



Features:

- castor series AL, thermo-plastic, ball bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and ball bearings



										
swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load-carrying capacity kg
L-AL-TPBK-050-K-3-EC ID: 0033652	L-AL-TPBK-050-K-3-DSN-EC ID: 0033653	B-AL-TPBK-050-K-3-EC ID: 0033651	50	19	71	21	60 x 60	38x38 up to 46x46	6.2	40
L-AL-TPBK-075-K-3-EC ID: 0033664	L-AL-TPBK-075-K-3-DSN-EC ID: 0033665	B-AL-TPBK-075-K-3-EC ID: 0033663	75	23	101	25	60 x 60	38x38 up to 46x46	6.2	50
L-AL-TPBK-100-K-3-EC ID: 0033669	L-AL-TPBK-100-K-3-DSN-EC ID: 0033670	B-AL-TPBK-100-K-3-EC ID: 0033668	100	25	122	32	60 x 60	38x38 up to 46x46	6.2	65



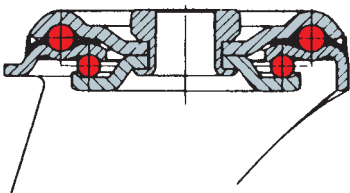
-1 (bolt hole)



1-DSN (bolt hole+ double brake)

Matching accessories can be found on page 432

thermoplastic electrically conductive // apparatus castors, lightweight AL // up to 65 kg









Features:

- castor series AL, thermo-plastic, ball bearing: .
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and ball bearings



“Electrically conductive”



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-AL-TPBK-050-K-1-EC ID: 0033649	L-AL-TPBK-050-K-1-DSN-EC ID: 0033650	50	19	71	21	10.2	40
L-AL-TPBK-075-K-1-EC ID: 0033654	L-AL-TPBK-075-K-1-DSN-EC ID: 0033655	75	23	101	25	10.2	50
L-AL-TPBK-100-K-1-EC ID: 0033666	L-AL-TPBK-100-K-1-DSN-EC ID: 0033667	100	25	122	32	10.2	65



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432



## floors



## Features:

- TPBK-EC wheel series:
- polypropylene wheel body with ball bearing
- tread made of thermoplastic rubber, grey, approx. 85° shore A

## Properties:

- runs quietly
- non-marking
- low rolling resistance
- electrically conductive
- the leakage resistance is < 10,000 ohms
- (old designation: TPK-ELF)



***“Electrically conductive smooth-running series”***

## wheels

TPBK-080-30-40-K08-EC  
Ident No.: 0034072

TPBK-100-30-40-K08-EC  
Ident No.: 0034073

TPBK-125-35-50-K08-EC  
Ident No.: 0034074



wheel ø  
mm



wheel width  
mm



axle hole ø  
mm



hub length  
mm



load-carrying  
capacity kg

80

30

8

40

80

100

30

8

40

90

125

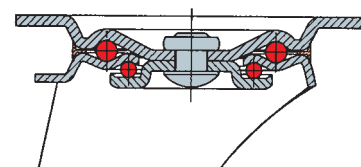
35

8

50

110

**thermoplastic electrically conductive** // standard housing IS, IL // up to 110 kg



#### Features:

- castor series IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IL-TPBK-080-K-3-EC ID: 0034075	L-IL-TPBK-080-K-3-DSN-EC ID: 0034076	B-IL-TPBK-080-K-3-EC ID: 0034077	80	30	100	36	105 x 80	80 x 60	9	80
L-IL-TPBK-100-K-3-EC ID: 0034078	L-IL-TPBK-100-K-3-DSN-EC ID: 0034079	B-IL-TPBK-100-K-3-EC ID: 0034080	100	30	125	36	105 x 80	80 x 60	9	90
L-IL-TPBK-125-K-3-EC ID: 0034081	L-IL-TPBK-125-K-3-DSN-EC ID: 0034082	B-IL-TPBK-125-K-3-EC ID: 0034083	125	35	155	36	105 x 80	80 x 60	9	110



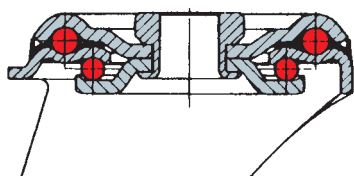
-1 (bolt hole)



1-DSN (bolt hole+  
double brake)

Matching accessories can be found on page 432

**thermoplastic electrically conductive** // standard housing IS, IL // up to 110 kg



#### Features:

- castor series IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



**"Electrically conductive"**



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-TPBK-080-K-1-EC ID: 0035805	L-IL-TPBK-080-K-1-DSN-EC ID: 0035806	80	30	100	36	12	80
L-IL-TPBK-100-K-1-EC ID: 0036881	L-IL-TPBK-100-K-1-DSN-EC ID: 0036882	100	30	125	36	12	90
L-IL-TPBK-125-K-1-EC ID: 0035807	L-IL-TPBK-125-K-1-DSN-EC ID: 0035808	125	35	155	36	12	110



-3 (plate)



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432

## wheels electrically conductive // SGS-EC



### Features:




- SGS EC wheel series:
- wheel body made of steel sheet with roller bearing
- tread made of standard solid tire rubber, black
- floor contact staining can occur with these tires due to softener diffusion approx. 80° - 85° shore A

### Properties:

- runs quietly
- affordable
- absorbs vibration
- electrically conductive
- the leakage resistance is < 10,000 ohms
- (old designation: 522 EL)

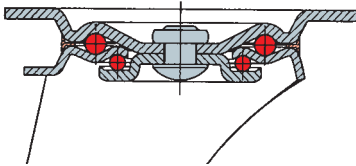
### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
SGS-080-30-40-R12-EC Ident No.: 0013142	80	30	12	40	50
SGS-100-30-40-R12-EC Ident No.: 0013151	100	30	12	40	70
SGS-125-38-50-R15-EC Ident No.: 0013163	125	38	15	50	100
SGS-140-38-49-R20-EC Ident No.: 0013382	140	38	20	49	120
SGS-160-40-58-R20-EC Ident No.: 0013194	160	40	20	58	135
SGS-180-50-60-R20-EC Ident No.: 0033481	180	50	20	60	170
SGS-200-50-60-R20-EC Ident No.: 0013238	200	50	20	60	205
SGS-250-60-75-R25-EC Ident No.: 0013264	250	60	25	75	295

Matching accessories can be found on page 432

**solid rubber electrically conductive //** standard housing IS, IL **//** up to 295 kg



#### Features:

- castor series IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-SGS-080-R-3-EC ID: 0030211	L-IL-SGS-080-R-3-DSN-EC ID: 0030217	B-IL-SGS-080-R-EC ID: 0030223	80	30	100	36	105 x 80	80 x 60	9	50
L-IL-SGS-100-R-3-EC ID: 0030212	L-IL-SGS-100-R-3-DSN-EC ID: 0030218	B-IL-SGS-100-R-EC ID: 0030224	100	30	125	36	105 x 80	80 x 60	9	70
L-IL-SGS-125-R-3-EC ID: 0030213	L-IL-SGS-125-R-3-DSN-EC ID: 0030219	B-IL-SGS-125-R-EC ID: 0030225	125	38	155	36	105 x 80	80 x 60	9	100
L-IS-SGS-125-R-3-EC-GP ID: 0037863	L-IS-SGS-125-R-3-DSN-EC-GP ID: 0040378	B-IS-SGS-125-R-EC-GP ID: 0037864	125	38	155	48	135 x 110	105 x 80	11	100
L-IL-SGS-160-R-3-EC ID: 0030214	L-IL-SGS-160-R-3-DSN-EC ID: 0030220	B-IL-SGS-160-R-EC ID: 0030226	160	40	190	52	135 x 110	105 x 80	11	135
L-IL-SGS-200-R-3-EC ID: 0030215	L-IL-SGS-200-R-3-DSN-EC ID: 0030221	B-IL-SGS-200-R-EC ID: 0030227	200	50	235	54	135 x 110	105 x 80	11	205
L-IS-SGS-250-R-3-EC ID: 0030216	L-IS-SGS-250-R-3-DSV-EC ID: 0030222	B-IS-SGS-250-R-EC ID: 0030228	250	60	290	66	135 x 110	105 x 80	11	295



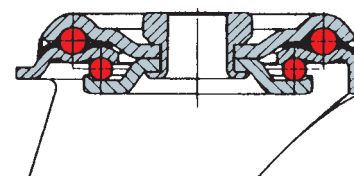
-1 (bolt hole)



1-DSN (bolt hole+ double brake)

Matching accessories can be found on page 432

**solid rubber electrically conductive //** standard housing IS, IL **//** up to 295 kg



#### Features:

- castor series IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IL-SGS-080-R-1-EC ID: 0030543	L-IL-SGS-080-R-1-DSN-EC ID: 0030548	80	30	100	36	12	50
L-IL-SGS-100-R-1-EC ID: 0030544	L-IL-SGS-100-R-1-DSN-EC ID: 0030549	100	30	125	38	12	70
L-IL-SGS-125-R-1-EC ID: 0030545	L-IL-SGS-125-R-1-DSN-EC ID: 0030550	125	38	155	38	12	100
L-IL-SGS-160-R-1-EC ID: 0030546	L-IL-SGS-160-R-1-DSN-EC ID: 0030551	160	38	190	52	16.5	135
L-IL-SGS-200-R-1-EC ID: 0030547	L-IL-SGS-200-R-1-DSN-EC ID: 0030552	200	50	235	53	17	205



-3 (plate)



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432

**solid rubber electrically conductive //** standard housing IS, IL **//** up to 295 kg

## wheels electrically conductive // EGA-EC



### Features:

- EGA-EC wheel series
- die-cast aluminum wheel body with ball bearing
- tread made of elastic solid rubber, approx. 65° shore A, strong solid rubber cushion






### Properties:

- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- electrically conductive
- the leakage resistance is < 10,000 ohms
- (old designation: f3 elf)

### floors



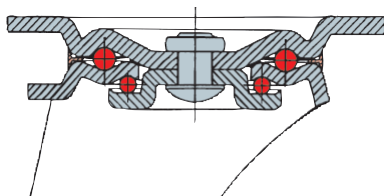
### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-080-35-40-K12-EC Ident No.: 0031230	80	35	12	40	120
EGA-100-40-40-K12-EC Ident No.: 0031232	100	40	12	40	180
EGA-125-40-50-K20-EC Ident No.: 0031261	125	40	20	50	200
EGA-160-50-60-K20-EC Ident No.: 0031546	160	50	20	60	300
EGA-200-50-60-K20-EC Ident No.: 0032291	200	50	20	60	400

Matching accessories can be found on page 432



**elastic rubber, electrically conductive //** medium-weight housing IM **//** up to 400 kg



#### Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IM-EGA-080-K-3-EC ID: 0033750	L-IM-EGA-080-K-3-DSN-EC ID: 0033758	B-IM-EGA-080-K-EC ID: 0033764	80	35	108	40	105 x 80	80 x 60	9	120
L-IM-EGA-100-K-3-EC ID: 0033751	L-IM-EGA-100-K-3-DSN-EC ID: 0033759	B-IM-EGA-100-K-EC ID: 0033765	100	40	128	40	105 x 80	80 x 60	9	180
L-IM-EGA-125-K-3-EC ID: 0033753	L-IM-EGA-125-K-3-DSN-EC ID: 0033760	B-IM-EGA-125-K-EC ID: 0033766	125	40	155	40	105 x 80	80 x 60	9	200
L-IM-EGA-160-K-3-EC ID: 0033754	L-IM-EGA-160-K-3-DSN-EC ID: 0033762	B-IM-EGA-160-K-EC ID: 0033767	160	50	200	56	135 x 110	105 x 80	11	300
L-IM-EGA-200-K-3-EC ID: 0033757	L-IM-EGA-200-K-3-DSN-EC ID: 0033763	B-IM-EGA-200-K-EC ID: 0033768	200	50	245	56	135 x 110	105 x 80	11	400

Matching accessories can be found on page 432

## wheels electrically conductive // PUZK-EC



### Features:

- PUZK-EC wheel series:
- polyamide 6 wheel body with ball bearing
- tread made of polyurethane, approx. 95° shore A, rounded edges

### Properties:

- high load capacity
- low abrasion, non-marking, low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- the leakage resistance is < 10,000 ohms
- (old designation: PUSKS-ELF)








***"Electrically conductive, comfortable running movement"***

### floors

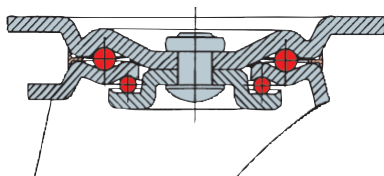


### wheels

	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZK-080-35-40-K12-EC Ident No.: 0033385	80	35	12	40	150
PUZK-100-35-40-K12-EC Ident No.: 0033391	100	35	12	40	200
PUZK-125-40-50-K15-EC Ident No.: 0033392	125	40	15	50	250
PUZK-160-45-60-K20-EC Ident No.: 0033393	160	45	20	60	380
PUZK-200-50-60-K20-EC Ident No.: 0033394	200	50	20	60	500

Matching accessories can be found on page 432

# polyurethane electrically conductive // medium-weight housing IM // up to 500 kg



## Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IM-PUZK-080-K-3-EC ID: 0033396	L-IM-PUZK-080-K-3-DSN-EC ID: 0033405	B-IM-PUZK-080-K-EC ID: 0033411	80	35	108	40	105 x 80	80 x 60	8.5	150
L-IM-PUZK-100-K-3-EC ID: 0033397	L-IM-PUZK-100-K-3-DSN-EC ID: 0033406	B-IM-PUZK-100-K-EC ID: 0033412	100	35	128	40	105 x 80	80 x 60	8.5	200
L-IM-PUZK-125-K-3-EC ID: 0033400	L-IM-PUZK-125-K-3-DSN-EC ID: 0033407	B-IM-PUZK-125-K-EC ID: 0033413	125	40	155	40	105 x 80	80 x 60	8.5	250
L-IM-PUZK-160-K-3-EC ID: 0033402	L-IM-PUZK-160-K-3-DSN-EC ID: 0033408	B-IM-PUZK-160-K-EC ID: 0033414	160	50	200	56	135 x 110	105 x 80	10.5	380
L-IM-PUZK-200-K-3-EC ID: 0033403	L-IM-PUZK-200-K-3-DSN-EC ID: 0033409	B-IM-PUZK-200-K-EC ID: 0033415	200	47	245	56	135 x 110	105 x 80	10.5	500

Matching accessories can be found on page 432

wheels electrically conductive // PALK-EC



Features:






- PALK-EC wheel series:
- wheel body made of polyamide 6 with roller bearing and stainless steel axle tube; ready for installation
- polyamide 6 can absorb and release moisture

Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- electrically conductive
- the leakage resistance is < 10,000 ohms
- (old designation: TQR ELF)

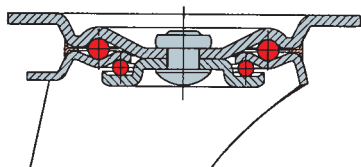
floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PALK-080-35-42-R12-EC Ident No.: 0036210	80	30	12	38	200
PALK-100-35-43-R08-EC Ident No.: 0036211	100	34	12	38	250
PALK-125-35-51-R08-EC Ident No.: 0036212	125	35	8	51	350
PALK-150-45-61-R12-EC Ident No.: 0036213	150	45	12	61	500
PALK-200-50-61-R12-EC Ident No.: 0036214	200	50	12	61	600

Matching accessories can be found on page 432

**polyamide electrically conductive** // standard housing IS, IL // up to 350 kg



#### Features:

- castor series IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
L-IL-PALK-080-R-3-EC ID: 0030196	L-IL-PALK-080-R-3-DSN-EC ID: 0030201	B-IL-PALK-080-R-3-EC ID: 0030206	80	35	100	36	105 x 80	80 x 60	9	150
L-IL-PALK-100-R-3-EC ID: 0030197	L-IL-PALK-100-R-3-DSN-EC ID: 0030202	B-IL-PALK-100-R-3-EC ID: 0030207	100	35	125	36	105 x 80	80 x 60	9	150
L-IL-PALK-125-R-3-EC ID: 0030198	L-IL-PALK-125-R-3-DSN-EC ID: 0030203	B-IL-PALK-125-R-3-EC ID: 0030208	125	35	155	37	105 x 80	80 x 60	9	200
L-IL-PALK-150-R-3-EC ID: 0030199	L-IL-PALK-150-R-3-DSN-EC ID: 0030204	B-IL-PALK-150-R-3-EC ID: 0030209	150	45	185	52	135 x 110	105 x 80	11	300
L-IL-PALK-200-R-3-EC ID: 0030200	L-IL-PALK-200-R-3-DSN-EC ID: 0030205	B-IL-PALK-200-R-3-EC ID: 0030210	200	50	235	53	135 x 110	105 x 80	11	350



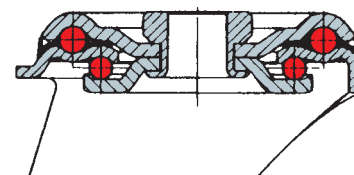
-1 (bolt hole)



1-DSN (bolt hole+ double brake)

Matching accessories can be found on page 432







**polyamide electrically conductive** // standard housing IS, IL // up to 350 kg



#### Features:

- castor series IL:
- steel sheet housing, galvanized
- fork head with double ball bearing
- seal with integrated ball spacer
- (old designation: LCW)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-IL-PALK-080-R-1-EC ID: 0031715	L-IL-PALK-080-R-1-DSN-EC ID: 0032882	80	30	103	36	12	130
L-IL-PALK-100-R-1-EC ID: 0032034	L-IL-PALK-100-R-1-DSN-EC ID: 0035183	100	35	125	36	12	130
L-IL-PALK-125-R-1-EC ID: 0033343	L-IL-PALK-125-R-1-DSN-EC ID: 0035184	125	40	155	36	12	130
L-IL-PALK-150-R-1-EC ID: 0040473	L-IL-PALK-150-R-1-DSN-EC ID: 0040474	150	45	185	52	12	300
L-IL-PALK-200-R-1-EC ID: 0035182	L-IL-PALK-200-R-1-DSN-EC ID: 0032184	200	50	235	54	12	350



-3 (plate)

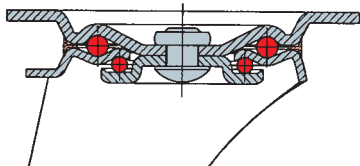


3-DSN (plate+  
double brake)

Matching accessories can be found on page 432



**polyamide electrically conductive // stainless steel standard series IV // up to 270 kg**



**Features:**

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IV-PALK-080-R-3-EC ID: 0032478	L-IV-PALK-080-R-3-DSN-EC ID: 0032479	B-IV-PALK-080-R-3-EC ID: 0032661	80	30	108	32	100 x 80	80 x 60	8	130
L-IV-PALK-100-R-3-EC ID: 0033297	L-IV-PALK-100-R-3-DSN-EC ID: 0031084	B-IV-PALK-100-R-3-EC ID: 0031085	100	35	128	32	100 x 80	80 x 60	8	130
L-IV-PALK-125-R-3-EC ID: 0032266	L-IV-PALK-125-R-3-DSN-EC ID: 0031327	B-IV-PALK-125-R-3-EC ID: 0030963	125	40	155	32	100 x 80	80 x 60	10	130
L-IV-PALK-150-R-3-EC ID: 0033876	L-IV-PALK-150-R-3-DSN-EC ID: 0031324	B-IV-PALK-150-R-3-EC ID: 0031713	150	45	195	52	130 x 106	105 x 80	12	270
L-IV-PALK-200-R-3-EC ID: 0033877	L-IV-PALK-200-R-3-DSN-EC ID: 0033878	B-IV-PALK-200-R-3-EC ID: 0033879	200	50	245	49	130 x 106	105 x 80	12	270



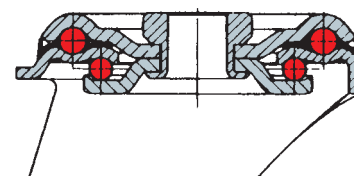
-1 (bolt hole)



1-DSN (bolt hole+  
double brake)

Matching accessories can be found on page 432

# polyamide electrically conductive // stainless steel standard series IV // up to 270 kg



## Features:

- castor series IV:
- standard stainless steel housing
- fork head with double ball bearing
- all mounted parts are resistant to rust and acid
- (old designation: RFL/...)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-IV-PALK-080-R-1-EC ID: 0033959	L-IV-PALK-080-R-1-DSN-EC ID: 0030938	80	35	108	32	12	130
L-IV-PALK-100-R-1-EC ID: 0040475	L-IV-PALK-100-R-1-DSN-EC ID: 0034151	100	35	128	32	12	130
L-IV-PALK-125-R-1-EC ID: 0035191	L-IV-PALK-125-R-1-DSN-EC ID: 0035192	125	37	155	32	12	130
L-IV-PALK-150-R-1-EC ID: 0040476	L-IV-PALK-150-R-1-DSN-EC ID: 0040479	150	45	192	49	12	270
L-IV-PALK-200-R-1-EC ID: 0040477	L-IV-PALK-200-R-1-DSN-EC ID: 0040482	200	50	240	49	12	270



-3 (plate)



3-DSN (plate+  
double brake)

Matching accessories can be found on page 432



**polyamide electrically conductive** // stainless steel standard series IV // up to 270 kg

## wheels electrically conductive // PAM-EC



### Features:






- PAM-EC wheel series:
- wheel made of polyamide 6 with 2 ball bearings
- polyamide 6 can absorb and release moisture

### Properties:

- excellent chemical resistance
- high load capacity, resistant to fracturing even with heavy loads
- runs well on smooth floor surfaces
- low rolling resistance
- electrically conductive
- the leakage resistance is < 10,000 ohms
- (old designation: POKS-ELF)

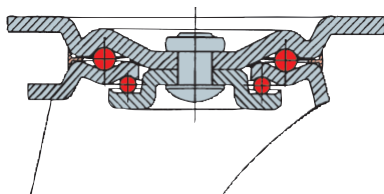
### floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-080-35-40-K12-EC Ident No.: 0033420	80	35	12	40	200
PAM-100-35-40-K12-EC Ident No.: 0033421	100	35	12	40	300
PAM-125-40-50-K15-EC Ident No.: 0033422	125	40	15	50	400
PAM-150-45-60-K20-EC Ident No.: 0033423	150	45	20	60	700
PAM-200-50-60-K20-EC Ident No.: 0033424	200	50	20	60	1,000

Matching accessories can be found on page 432

# polyamide electrically conductive // medium-weight housing IM // up to 500 kg



## Features:

- castor series IM:
- heavy steel plate housing, galvanized
- fork head with double ball bearing
- (old designation: LU)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-IM-PAM-080-K-3-EC ID: 0033425	L-IM-PAM-080-K-3-DSN-EC ID: 0033431	B-IM-PAM-080-K-EC ID: 0033437	80	35	108	40	105 x 80	80 x 60	8.5	200
L-IM-PAM-100-K-3-EC ID: 0033426	L-IM-PAM-100-K-3-DSN-EC ID: 0033432	B-IM-PAM-100-K-EC ID: 0033438	100	35	128	40	105 x 80	80 x 60	8.5	300
L-IM-PAM-125-K-3-EC ID: 0033427	L-IM-PAM-125-K-3-DSN-EC ID: 0033434	B-IM-PAM-125-K-EC ID: 0033439	125	40	155	40	105 x 80	80 x 60	8.5	400
L-IM-PAM-150-K-3-EC ID: 0033428	L-IM-PAM-150-K-3-DSN-EC ID: 0033435	B-IM-PAM-150-K-EC ID: 0033440	150	45	195	56	135 x 110	105 x 80	10.5	500
L-IM-PAM-200-K-3-EC ID: 0033429	L-IM-PAM-200-K-3-DSN-EC ID: 0033436	B-IM-PAM-200-K-EC ID: 0033441	200	50	245	56	135 x 110	105 x 80	10.5	500

Matching accessories can be found on page 432

## APPARATUS CASTORS



SERIES	lightweight apparatus castors	plastic double castors and chair castors	standard apparatus castor polyamide	double castors polyamide	standard apparatus castors thermoplastic	double castors thermoplastic	
LOAD-CARRYING CAPACITY	up to 40 kg	up to 70 kg	up to 60 kg	up to 100 kg	up to 65 kg	up to 100 kg	
WHEEL-Ø	15 mm – 50 mm	35 mm - 50 mm	50 mm – 100 mm	50 mm -75 mm	50 mm – 100 mm	50 mm -75 mm	
MATERIAL/TIRES	polyamide	polyamide, polyurethane	polyamide	polyamide	thermoplastic	thermoplastic	
BEARING	plain bearing	plain bearing	plain bearing	plain bearing	plain bearing, ball bearing	plain bearing, ball bearing	
PAGES	<b>326</b>	<b>327</b>	<b>330</b>	<b>333</b>	<b>336</b>	<b>339</b>	



	heavy thermoplastic	heavy apparatus castors thermo-plastic and polyurethane	fixed box castors, ladder castors	apparatus castors with rubber ball	rollers for glass cutting tables	full plastic
	up to 110 kg	up to 110 kg	up to 50 kg	up to 50 kg	up to 20 kg	up to 100 kg
	80 mm – 125 mm	80 mm – 125 mm	13 mm – 50 mm	30 mm – 50 mm	35 mm - 50 mm	100 mm - 125 mm
	thermoplastic	thermoplastic, polyurethane	polyamide, thermoplastic	solid rubber, non marking	elastic-solid rubber, polyurethane	thermoplastic
	plain bearing, ball bearing	plain bearing, ball bearing	plain bearing, ball bearing	plain bearing	plain bearing	ball bearing
	<b>348</b>	<b>356</b>	<b>359</b>	<b>360</b>	<b>361</b>	<b>362</b>



*“Apparatus castors are ideal for all types of furniture”*



# Apparatus castors with load capacities from 15 kg to 110 kg

Our apparatus castors are ideal for areas demanding low installation heights. Their slim design and high-grade materials help them to meet the demanding requirements that manufacturers have for shop equipment, medical equipment, display stands, office and household furniture usage. There are numerous mounting methods available so that these castors can be attached to a wide variety of equipment.

## Properties

- ☞ good maneuverability
- ☞ low unit weight
- ☞ low installation height
- ☞ variety of mounting methods



## Shore hardness

depending on the tread surface of the wheels

## Temperature range

depending on the material of the housing and wheels

## Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing

## areas of use // floors









## apparatus castors // light series

### with bolt hole









castor series 1357:  
lightweight, pressed  
steel sheet housing,  
galvanized, fork  
head with double  
ball bearing

						
swivel castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load- carrying capacity kg
L-1357-30-1-VPE20 Ident No.: 0030330	30	15	47	14	10	30
L-1357-40-1-VPE10 Ident No.: 0030331	40	18	61	24	10	35
L-1357-50-1-VPE10 Ident No.: 0030332	50	18	66	24	10	40

### with mountin plate



castor series 1358:  
lightweight, pressed  
steel sheet housing,  
galvanized fork  
head with double  
ball bearing







						
swivel castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	load- carrying capacity kg
L-1358-30-3-VPE20 Ident No.: 0028108	30	15	37,5	13	40 x 40	25
L-1358-38-3-VPE10 Ident No.: 0028109	38	18	53	20	42 x 42	25
L-1358-45-3-VPE10 Ident No.: 0028110	45	18	64	20	47 x 47	30
L-1358-50-3-VPE10 Ident No.: 0028111	50	20	68	20	47 x 47	35



**"VPE20 = 20 units per package,  
VPE10 = 10 units per package"**



**swivel castors**







						
	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	load- carrying capacity kg
L-DRKL-35-3-VPE20 Ident No.: 0029815	35	13	45	18	40 x 40	70
L-DRKA-35-3-VPE20 Ident No.: 0028104	35	13	51	18	40 x 40	70
L-DRKA-40-3-VPE20 Ident No.: 0030343	40	10	58	16	40 x 40	40
L-DRKA-50-3-VPE20 Ident No.: 0028106	50	12	69	18	40 x 40	50
L-DRPU-50-3-VPE20 Ident No.: 0029816	50	16	70	18	40 x 40	50

**double castors with plate**

high-quality, black plastic wheel center with plain bearing Series DRPU with polyurethane running surface



**swivel castors  
wheel lock**

						
	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	load- carrying capacity kg
L-DRKA-35-3-DSN-VPE20 Ident No.: 0028105	35	13	51	18	40 x 40	70
L-DRKA-50-3-DSN-VPE20 Ident No.: 0028107	50	12	70	18	40 x 40	50
L-DRKA-40-3-DSN-VPE20 Ident No.: 0030345	40	10	58	16	40 x 40	40
L-DRPU-50-3-DSN-VPE20 Ident No.: 0030347	50	12	70	18	40 x 40	50

**double castors, brake, plate**

high-quality, black plastic wheel center with plain bearing Series DRPU with polyurethane running surface



**"VPE20 = 20 units per package"**






## double castors with set screw



high-quality, black plastic wheel center with plain bearing

Series DRPU with polyurethane running surface

### swivel castors

						
	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	attachment mm	load- carrying capacity kg
L-DRKL-35-2-M8-VPE20 Ident No.: 0029814	35	13	40	18	M8 x 15	70
L-DRKA-40-2-M8-VPE20 Ident No.: 0030334	40	10	53	16	M8 x 15	40
L-DRKA-40-2-M10-VPE20 Ident No.: 0030335	40	10	53	16	M10x15	40
L-DRKA-50-2-M8-VPE20 Ident No.: 0030336	50	12	65	18	M8x15	50
L-DRKA-50-2-M10-VPE20 Ident No.: 0028102	50	12	65	18	M10x15	50






## double castors, brake and set screw



high-quality, black plastic wheel center with plain bearing





Series DRPU with polyurethane running surface

### swivel castors with brake and set screw

						
	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	attachment mm	load- carrying capacity kg
L-DRKA-35-2-M8-DSN-VPE20 Ident No.: 0028101	35	13	46	18	M8 x 15	70
L-DRKA-50-2-M10-DSN-VPE20 Ident No.: 0028103	50	12	65	18	M10x 15	50
L-DRKA-40-2-M8-DSN-VPE20 Ident No.: 0030344	40	10	53	16	M8 x 15	40
L-DRKA-50-2-M8-DSN-VPE20 Ident No.: 0030348	50	12	65	18	M8 x 15	50
L-DRPU-50-2-M10-DSN-VPE20 Ident No.: 0030346	50	12	65	18	M10x 15	50



"VPE20 = 20 units per package"

chair castors	 wheel ø mm	 wheel width mm	 attachment mm	 load-carrying capacity kg
L-1305-P-50-2-10-VPE5 Ident No.: 0030326	50	12	10 x 30	50
L-1305-P-50-2-11-VPE5 Ident No.: 0030327	50	12	11 x 22	50
L-1305-P-50-2-M10-VPE5 Ident No.: 0030329	50	12	M10 x 13	50





## Chair castors

Double castors in compliance with DIN 68131 for five-pointed office chairs.

Load-dependent brake complies with safety regulations. Impact resistant

Hard heel for soft floor surfaces



chair castors	 wheel ø mm	 wheel width mm	 attachment mm	 load-carrying capacity kg
L-1305-PR-50-2-10-VPE5 Ident No.: 0030324	50	12	10 x 30	50
L-1305-PR-50-2-11-VPE5 Ident No.: 0030325	50	12	11 x 22	50
L-1305-PR-50-2-M10-VPE5 Ident No.: 0030328	50	12	M10 x 13	50

## Chair castors

Double castors in compliance with DIN 68131 for five-pointed office chairs.

Load-dependent brake complies with safety regulations. Impact resistant

Polyurethane wheel for hard floor surfaces



**"VPE5 = 5 units per package"**



Features:






- PAA wheel series:
- polyamide wheel body with plain bearing
- temperature resistance: -25° C to +80° C
- polyamide can absorb and release moisture

Properties:

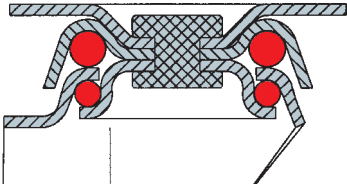
- excellent chemical resistance
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: GL)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAA-050-18-21-G08 Ident No.: 0016660	50	18	8	20.5	50
PAA-075-23-28-G08 Ident No.: 0016665	75	23	8	28	60
PAA-100-23-29-G08 Ident No.: 0016678	100	23	8	29	60

## polyamide // apparatus castors, lightweight AL // up to 60 kg



### Features:

- castor series AL, polyamide, plain bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels made of black polyamide with plain bearing
- (old designation: 1350)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load-carrying capacity kg
L-AL-PAA-050-G-3-VPE4 ID: 0030362	L-AL-PAA-050-G-3-DSN-VPE4 ID: 0030368	B-AL-PAA-050-G-VPE4 ID: 0030371	50	18	71	21	60 x 60	38x38 up to 46x46	6	40
L-AL-PAA-075-G-3-VPE4 ID: 0030363	L-AL-PAA-075-G-3-DSN-VPE4 ID: 0030369	B-AL-PAA-075-G-VPE4 ID: 0030372	75	23	101	25	60 x 60	38x38 up to 46x46	6	50
L-AL-PAA-100-G-3-VPE4 ID: 0030364	L-AL-PAA-100-G-3-DSN-VPE4 ID: 0030370	B-AL-PAA-100-G-VPE4 ID: 0030373	100	23	122	32	60 x 60	38x38 up to 46x46	6	60



**"VPE4 = 4 units per package"**

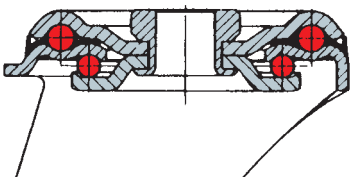


-1 (bolt hole)



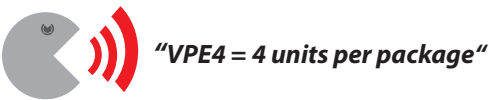
1-DSN (bolt hole+ double brake)







polyamide// apparatus castors, lightweight AL// up to 60 kg



Features:

- castor series AL, polyamide, plain bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels made of black polyamide with plain bearing
- (old designation: 1350)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-AL-PAA-050-G-1-VPE4 ID: 0030359	L-AL-PAA-050-G-1-DSN-VPE4 ID: 0030365	50	18	71	21	10.2	40
L-AL-PAA-075-G-1-VPE4 ID: 0030360	L-AL-PAA-075-G-1-DSN-VPE4 ID: 0030366	75	23	101	25	10.2	50
L-AL-PAA-100-G-1-VPE4 ID: 0030361	L-AL-PAA-100-G-1-DSN-VPE4 ID: 0030367	100	23	122	32	10.2	60

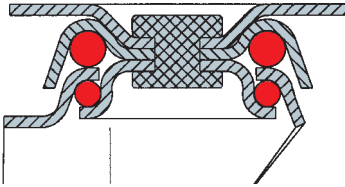


-3 (plate)



3-DSN (plate+ double brake)









## polyamide // apparatus double castors AD // up to 100 kg



### Features

- castor series AD, polyamide, plain bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- polyamide wheels, plain bearing
- (old designation: 1365)



swivel castors	swivel castors with double brake								
		wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load-carrying capacity kg
L-AD-PAA-050-G-3 ID: 0010950	L-AD-PAA-050-G-3-DSN ID: 0010955	50	18	72	30	60 x 60	38x38 up to 46x46	6.2	80
L-AD-PAA-075-G-3 ID: 0010952	L-AD-PAA-075-G-3-DSN ID: 0010957	75	23	101	33	60 x 60	38x38 up to 46x46	6.2	100

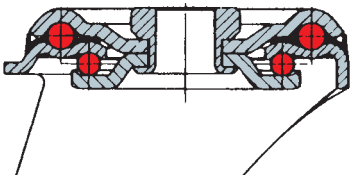


-1 (bolt hole)











1-DSN (bolt hole+ double brake)

polyamide// apparatus double castors AD // up to 100 kg



- Features:**
- castor series AD, polyamide, plain bearing:
  - lightweight, pressed steel sheet housing, galvanized
  - fork head with double ball bearing
  - polyamide wheels, plain bearing
  - (old designation: 1365)

 							
swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AD-PAA-050-G-1 ID: 0010940	L-AD-PAA-050-G-1-DSN ID: 0010954	50	18	72	30	10.2	80
L-AD-PAA-075-G-1 ID: 0010951	L-AD-PAA-075-G-1-DSN ID: 0010956	75	23	98	33	10.2	100



-3 (plate)



3-DSN (plate+ double brake)



**polyamide** // apparatus double castors AD // up to 100 kg



Features:






- TPGK wheel series:
- polypropylene wheel body with plain bearing
- temperature resistance: -20° C to +60° C
- thermoplastic rubber tread, grey, approx. 85° shore A

Properties:

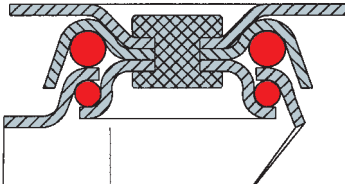
- runs quietly
- non-marking
- low rolling resistance
- (old designation: P and TPG)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPGK-050-18-22-G08 Ident No.: 0022478	50	18	8	21.5	40
TPGK-075-23-28-G08 Ident No.: 0022486	75	23	8	28	50
TPGK-100-23-29-G08 Ident No.: 0022495	100	23	8	29	65

## thermoplastic// apparatus castors, lightweight AL// up to 65 kg



### Features:

- castor series AL, thermo-plastic, plain bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and plain bearings
- (old designation: 1330)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load-carrying capacity kg
L-AL-TPGK-050-G-3-VPE4 ID: 0028119	L-AL-TPGK-050-G-3-DSN-VPE4 ID: 0028123	B-AL-TPGK-050-G-VPE4 ID: 0028125	50	18	71	21	60 x 60	38x38 up to 46x46	6.2	40
L-AL-TPGK-075-G-3-VPE4 ID: 0028120	L-AL-TPGK-075-G-3-DSN-VPE4 ID: 0028124	B-AL-TPGK-075-G-VPE4 ID: 0028126	75	23	101	25	60 x 60	38x38 up to 46x46	6.2	50
L-AL-TPGK-100-G-3-VPE4 ID: 0030350	L-AL-TPGK-100-G-3-DSN-VPE4 ID: 0030352	B-AL-TPGK-100-G-VPE4 ID: 0030353	100	23	122	32	60 x 60	38x38 up to 46x46	6.2	65



"VPE4 = 4 units per package"

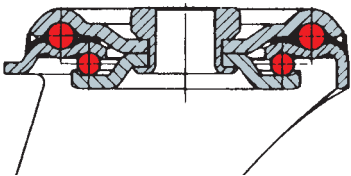


-1 (bolt hole)



1-DSN (bolt hole+ double brake)

thermoplastic // apparatus castors, lightweight AL // up to 65 kg



Features:

- castor series AL, thermo-plastic, plain bearing:
- Lightweight, pressed steel sheet housing, galvanized
- Fork head with double ball bearing
- wheels with thermoplastic tires and plain bearings
- (old designation: 1330)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AL-TPGK-050-G-1-VPE4 ID: 0028117	L-AL-TPGK-050-G-1-DSN-VPE4 ID: 0028121	50	18	71	21	10.2	40
L-AL-TPGK-075-G-1-VPE4 ID: 0028118	L-AL-TPGK-075-G-1-DSN-VPE4 ID: 0028122	75	23	101	25	10.2	50
L-AL-TPGK-100-G-1-VPE4 ID: 0030349	L-AL-TPGK-100-G-1-DSN-VPE4 ID: 0030351	100	23	122	32	10.2	60



“VPE4 = 4 units per package”

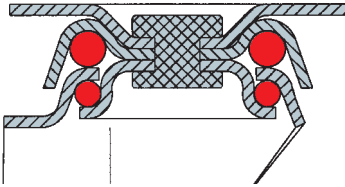


-3 (plate)



3-DSN (plate+ double brake)









## thermoplastic // apparatus double castors AD // up to 100 kg



### Features:

- castor series AD, thermoplastic, plain bearings:
- Lightweight, pressed steel sheet housing, galvanized
- Fork head with double ball bearing
- wheels with thermoplastic tires and plain bearings
- (old designation: 1362)



swivel castors	swivel castors with double brake								
		wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	bolt hole ø mm	load-carrying capacity kg
L-AD-TPGK-050-G-3 ID: 0010864	L-AD-TPGK-050-G-3-DSN ID: 0010936	50	18	72	30	60 x 60	38x38 up to 46x46	6.2	80
L-AD-TPGK-075-G-3 ID: 0010927	L-AD-TPGK-075-G-3-DSN ID: 0010939	75	23	101	33	60 x 60	38x38 up to 46x46	6.2	100

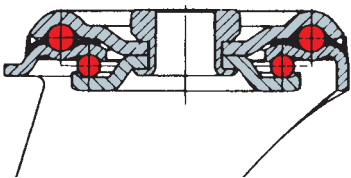


-1 (bolt hole)



1-DSN (bolt hole+ double brake)

thermoplastic // apparatus double castors AD // up to 100 kg



- Features:**
- castor series AD, thermo-plastic, plain bearings:
  - lightweight, pressed steel sheet housing, galvanized
  - fork head with double ball bearing
  - wheels with thermoplastic tires and plain bearings
  - (old designation: 1362)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AD-TPGK-050-G-1 ID: 0010862	L-AD-TPGK-050-G-1-DSN ID: 0010930	50	18	72	30	10	80
L-AD-TPGK-075-G-1 ID: 0010924	L-AD-TPGK-075-G-1-DSN ID: 0010941	75	23	98	33	10	100



-3 (plate)



3-DSN (plate+ double brake)

**thermoplastic**// apparatus double castors AD// up to 100 kg



Features:

- TPBK wheel series:
- polypropylene wheel body with ball bearing
- temperature resistance: -20° C to 60° C
- grey thermoplastic rubber tread, approx. 85° shore A
- with thread guards to protect the ball bearing from dust and dirt





Properties:

- runs quietly
- non-marking
- low rolling resistance
- (old designation: KO and TPK)

floors

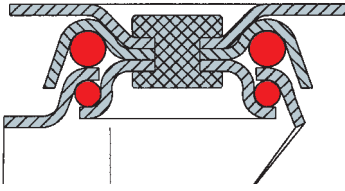


 *“This smooth-running series is innovative and inexpensive”*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-050-19-23-K06 Ident No.: 0017259	50	19	6	22.5	40
TPBK-075-23-29-K06 Ident No.: 0017262	75	23	6	29	50
TPBK-100-26-30-K08 Ident No.: 0017265	100	26	8	29.8	65



## thermoplastic // apparatus castors, lightweight AL // up to 65 kg



### Features:

- castor series AL, thermo-plastic, ball bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and ball bearings



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load-carrying capacity kg
L-AL-TPBK-050-K-3-VPE4 ID: 0028129	L-AL-TPBK-050-K-3-DSN-VPE4 ID: 0028133	B-AL-TPBK-050-K-VPE4 ID: 0028135	50	18	71	21	60 x 60	38x38 up to 46x46	6.2	40
L-AL-TPBK-075-K-3-VPE4 ID: 0028130	L-AL-TPBK-075-K-3-DSN-VPE4 ID: 0028134	B-AL-TPBK-075-K-VPE4 ID: 0028136	75	23	101	25	60 x 60	38x38 up to 46x46	6.2	50
L-AL-TPBK-100-K-3-VPE4 ID: 0030355	L-AL-TPBK-100-K-3-DSN-VPE4 ID: 0030357	B-AL-TPBK-100-K-VPE4 ID: 0030358	100	23	122	32	60 x 60	38x38 up to 46x46	6.2	65



"VPE4 = 4 units per package"

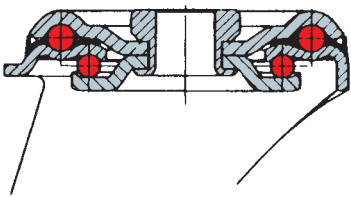


-1 (bolt hole)



1-DSN (bolt hole+  
double brake)

thermoplastic // apparatus castors, lightweight AL // up to 65 kg



Features:

- castor series AL, thermo-plastic, ball bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and ball bearings
- (old designation: 1340)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AL-TPBK-050-K-1-VPE4 ID: 0028127	L-AL-TPBK-050-K-1-DSN-VPE4 ID: 0028131	50	18	71	21	10.2	40
L-AL-TPBK-075-K-1-VPE4 ID: 0028128	L-AL-TPBK-075-K-1-DSN-VPE4 ID: 0028132	75	23	101	25	10.2	50
L-AL-TPBK-100-K-1-VPE4 ID: 0030354	L-AL-TPBK-100-K-1-DSN-VPE4 ID: 0030356	100	23	122	32	10.2	65



“VPE4 = 4 units per package”

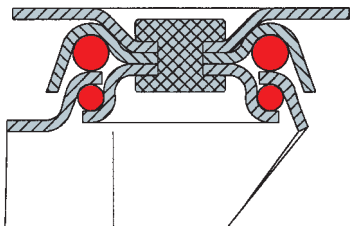


-3 (plate)



3-DSN (plate+ double brake)









**thermoplastic**// apparatus double castors ad // up to 100 kg



**Features:**

- castor series AD, thermo- plastic, ball bearing:
- lightweight, pressed steel sheet housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and ball bearings
- (old designation: 1360)



									
swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel ca- stor mm	plate size mm	hole pat- tern from- to mm	hole ø mm	load- carrying capacity kg
L-AD-TPBK-050-K-3 ID: 0010776	L-AD-TPBK-050-K-3-DSN ID: 0010857	50	18	72	30	60 x 60	38x38 up to 46x46	6.2	70
L-AD-TPBK-075-K-3 ID: 0010853	L-AD-TPBK-075-K-3-DSN ID: 0010861	75	23	101	33	60 x 60	38x38 up to 46x46	6.2	100

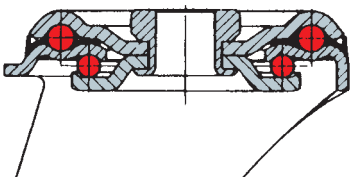


-1 (bolt hole)









1-DSN (bolt hole+ double brake)

thermoplastic // apparatus double castors AD // up to 100 kg



- Features:**
- castor series AD, thermo-plastic, ball bearing:
  - lightweight, pressed steel sheet housing, galvanized
  - fork head with double ball bearing
  - wheels with thermoplastic tires and ball bearings
  - (old designation: 1360)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-AD-TPBK-050-K-1 ID: 0010774	L-AD-TPBK-050-K-1-DSN ID: 0010855	50	18	72	30	10.2	80
L-AD-TPBK-075-K-1 ID: 0010780	L-AD-TPBK-075-K-1-DSN ID: 0010860	75	23	98	33	10.2	100



-3 (plate)



3-DSN (plate+ double brake)

**thermoplastic**// apparatus double castors AD// up to 100 kg



Features:





- TPGK wheel series:
- polypropylene wheel body with plain bearing
- temperature resistance: -20° C to +60° C
- thermoplastic rubber tread, grey, approx. 85° shore A

Properties:

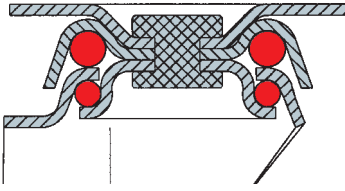
- runs quietly
- non-marking
- low rolling resistance
- (old designation: P and TPG)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPGK-080-31-37-G12 Ident No.: 0025262	80	31	12	36.5	70
TPGK-100-31-37-G12 Ident No.: 0025263	100	31	12	36.5	80
TPGK-125-31-37-G12 Ident No.: 0025264	125	31	12	36.5	100

## thermoplastic // heavy apparatus castors AH // up to 110 kg



### Features:

- castor series AH, thermo-plastic, plain bearing:
- heavy, pressed apparatus housing, galvanized
- fork head with double ball bearing
- wheels with thermoplastic tires and plain bearings
- (old designation: 1890/TPG)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load-carrying capacity kg
L-AH-TPGK-080-G-3 ID: 0030029	L-AH-TPGK-080-G-3-DSN ID: 0030035	B-AH-TPGK-080-G ID: 0030038	80	31	113	34	77 x 67	56-62 x 47-52	8.5	70
L-AH-TPGK-100-G-3 ID: 0030030	L-AH-TPGK-100-G-3-DSN ID: 0030036	B-AH-TPGK-100-G ID: 0030039	100	31	138	39	77 x 67	56-62 x 47-52	8.5	90
L-AH-TPGK-125-G-3 ID: 0030031	L-AH-TPGK-125-G-3-DSN ID: 0030037	B-AH-TPGK-125-G ID: 0030040	125	31	161	42	77 x 67	56-62 x 47-52	8.5	110



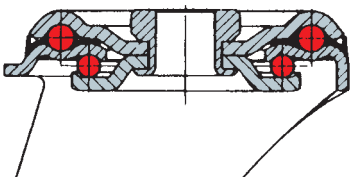
-1 (bolt hole)



1-DSN (bolt hole+ double brake)







Matching accessories can be found on page 432

thermoplastic // heavy apparatus castors AH // up to 110 kg



- Features:**
- castor series AH, thermo-plastic, plain bearing:
  - heavy, pressed apparatus housing, galvanized
  - fork head with double ball bearing
  - wheels with thermoplastic tires and plain bearings
  - (old designation: 1890/TPG)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-AH-TPGK-080-G-1 ID: 0030026	L-AH-TPGK-080-G-1-DSN ID: 0030032	80	31	110	34	12.2	70
L-AH-TPGK-100-G-1 ID: 0030027	L-AH-TPGK-100-G-1-DSN ID: 0030033	100	31	135	39	12.2	90
L-AH-TPGK-125-G-1 ID: 0030028	L-AH-TPGK-125-G-1-DSN ID: 0030034	125	31	159	42	12.2	110



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432



**thermoplastic** // heavy apparatus castors AH // up to 110 kg



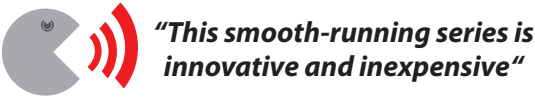
Features:






- TPBK wheel series:
- polypropylene wheel body with ball bearing
- temperature resistance: -20° C to 60° C
- grey thermoplastic rubber tread, approx. 85° shore A
- with thread guards to protect the ball bearing from dust and dirt

Properties:

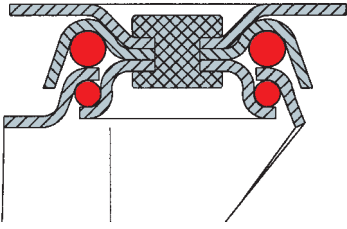
- runs quietly
- non-marking
- low rolling resistance
- (old designation: KO and TPK)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
TPBK-080-31-37-K08 Ident-Nr.: 0025266	80	31	8	36.5	70
TPBK-100-31-37-K08 Ident-Nr.: 0025268	100	31	8	36.5	80
TPBK-125-31-37-K08 Ident-Nr.: 0025270	125	31	8	36.5	100

## thermoplastic // heavy apparatus castors AH // up to 110 kg



### Features:

- AD castor series, thermo-plastic, ball bearings:
- heavy, pressed apparatus housing, galvanized
- fork head with double ball bearing
- wheels with thermo-plastic tires, thread guards and ball bearing
- (old designation: 1890/TPK)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole pattern from to mm	hole ø mm	load- carrying capacity kg
L-AH-TPBK-080-K-3 ID: 0030044	L-AH-TPBK-080-K-3-DSN ID: 0030050	B-AH-TPBK-080-K ID: 0030053	80	31	113	34	77 x 67	56-62 x 47-52	8.5	70
L-AH-TPBK-100-K-3 ID: 0030045	L-AH-TPBK-100-K-3-DSN ID: 0030051	B-AH-TPBK-100-K ID: 0030054	100	31	138	39	77 x 67	56-62 x 47-52	8.5	90
L-AH-TPBK-125-K-3 ID: 0030046	L-AH-TPBK-125-K-3-DSN ID: 0030052	B-AH-TPBK-125-K ID: 0030055	125	31	161	42	77 x 67	56-62 x 47-52	8.5	110



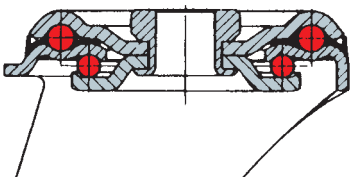
-1 (bolt hole)



1-DSN (bolt hole+  
double brake)







Matching accessories can be found on page 432

thermoplastic // heavy apparatus castors AH // up to 110 kg



- Features:**
- AD castor series, thermo-plastic, ball bearings:
  - heavy, pressed apparatus housing, galvanized
  - fork head with double ball bearing
  - wheels with thermo-plastic tires, thread guards and ball bearing
  - (old designation: 1890/TPK)



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 bolt hole ø mm	 load-carrying capacity kg
L-AH-TBPK-080-K-1 ID: 0030041	L-AH-TPBK-080-K-1-DSN ID: 0030047	80	31	110	34	12.2	70
L-AH-TPBK-100-K-1 ID: 0030042	L-AH-TPBK-100-K-1-DSN ID: 0030048	100	31	135	39	12.2	90
L-AH-TPBK-125-K-1 ID: 0030043	L-AH-TPBK-125-K-1-DSN ID: 0030049	125	31	159	42	12.2	110



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432

**thermoplastic** // heavy apparatus castors AH // up to 110 kg



Features:

- PUBK wheel series:
- polyamide 6 wheel body with ball bearing
- polyurethane tread, approx. 95° shore A
- with thread guards to protect the ball bearing from dust and dirt





Properties:

- high load capacity
- low abrasion, non-marking, low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PSK)

floors

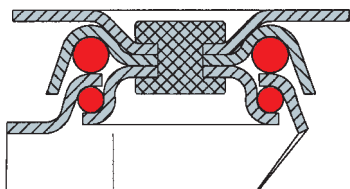


 *"We can also deliver customized lengths to match your requirements"*

wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUBK-080-31-37-K08 Ident No.: 0025267	80	31	8	36.5	70
PUBK-100-31-37-K08 Ident No.: 0025269	100	31	8	36.5	80
PUBK-125-31-37-K08 Ident No.: 0025271	125	31	8	36.5	100

## polyurethane // heavy apparatus castors AH // up to 110 kg

new  
series



### Features:

- castor series AH, polyurethane, ball bearing:
- heavy, pressed apparatus housing, galvanized
- fork head with double ball bearing
- wheels with polyurethane tires, thread guards and ball bearing
- (old designation: 1890/TPK)



swivel castors	swivel castors with double brake	fixed castors	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capacity kg
L-AH-PUBK-080-K-3 ID: 0030059	L-AH-PUBK-080-K-3-DSN ID: 0030065	B-AH-PUBK-080-K ID: 0030068	80	31	113	34	77 x 67	56 x 47	8,5	70
L-AH-PUBK-100-K-3 ID: 0030060	L-AH-PUBK-100-K-3-DSN ID: 0030066	B-AH-PUBK-100-K ID: 0030069	100	31	138	39	77 x 67	56 x 47	8,5	90
L-AH-PUBK-125-K-3 ID: 0030061	L-AH-PUBK-125-K-3-DSN ID: 0030067	B-AH-PUBK-125-K ID: 0030070	125	31	161	42	77 x 67	56 x 47	8,5	110



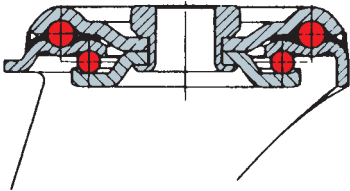
-1 (bolt hole)



1-DSN (bolt hole+  
double brake)

Matching accessories can be found on page 432

polyurethane // heavy apparatus castors AH // up to 110 kg



- Features:**
- castor series AH, polyurethane, ball bearing:
  - heavy, pressed apparatus housing, galvanized
  - fork head with double ball bearing
  - wheels with polyurethane tires, thread guards and ball bearing
  - (old designation: 1890/TPK)



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-AH-PUBK-080-K-1 ID: 0030056	L-AH-PUBK-080-K-1-DSN ID: 0030062	80	31	110	34	12.2	70
L-AH-PUBK-100-K-1 ID: 0030057	L-AH-PUBK-100-K-1-DSN ID: 0030063	100	31	135	39	12.2	90
L-AH-PUBK-125-K-1 ID: 0030058	L-AH-PUBK-125-K-1-DSN ID: 0030064	125	31	159	42	12.2	110



-3 (plate)



3-DSN (plate+ double brake)

Matching accessories can be found on page 432



## fixed box castors

B-1230-13-VPE30  
Ident No.: 0028112



wheel  
ø  
mm

wheel  
width  
mm

height  
mm

projec-  
tion,  
swivel  
castor  
mm

plate  
size  
mm

hole  
spacing  
mm

bolt  
hole ø  
mm

load-  
carrying  
capa-  
city  
kg

13

14

12

12

26

20 x 2

2.4

15

## fixed box castors

Fixed box castors:  
Lightweight, pressed  
steel sheet housing,  
galvanized

riveted wheels



## fixed box castors

B-1240-15-VPE30  
Ident No.: 0030337



wheel ø  
mm

plate size  
mm

hole spacing  
mm

load-carrying  
capacity  
kg

15

30 x 16

21

20

B-1240-25-VPE30  
Ident No.: 0028113

25

41 x 18

30

20

B-1240-32-VPE20  
Ident No.: 0030339

32

52 x 25

39

40

B-1240-38-VPE20  
Ident No.: 0028114

38

68 x 24

54

40

B-1240-45-VPE20  
Ident No.: 0030340

45

68 x 24

54

45

B-1240-50-VPE20  
Ident No.: 0028115

50

68 x 24

54

50

B-1240-30-SOFT-VPE30  
Ident No.: 0030341

30

46 x 20

35

35

B-1240-50-SOFT-VPE30  
Ident No.: 0030342

50

68 x 25

54

50

## fixed box castors

Fixed box castors:  
Lightweight, pressed  
steel sheet housing,  
galvanized

riveted wheels



## fixed box castors

B-1245-30-VPE30  
Ident No.: 0028116

wheel ø  
mm

wheel  
width  
mm

height  
mm

projection,  
swivel  
castor  
mm

plate size  
mm

hole  
spacing  
mm

load-  
carrying  
capacity  
kg

30

14

32

52 x 24

40

35

## fixed box castors

Fixed box castors:  
Lightweight, pressed  
steel sheet housing,  
galvanized

riveted wheels



"VPE30 = 30 units per package"

## castors // with grey rubber ball







### apparatus castors with bolt hole



Castor series 1321:  
lightweight, pressed  
steel sheet housing,  
chrome plated

Fork head with  
double ball bearing

#### swivel castors

						
	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load- carrying capacity kg
L-1321-30-1 Ident No.: 0010292	30	30	47	15	8.5	25
L-1321-40-1 Ident No.: 0010295	40	40	57	16	10	40
L-1321-50-1 Ident No.: 0010298	50	50	67	18	10	50







### apparatus castors with set screw



Castor series 1321:  
lightweight, pressed  
steel sheet housing,  
chrome plated

Fork head with  
double ball bearing

#### swivel castors

						
	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	pin size mm	load- carrying capacity kg
L-1321-30-2 Ident No.: 0010293	30	30	52	15	M10x15	25
L-1321-40-2 Ident No.: 0010296	40	40	62	16	M10x15	40
L-1321-50-2 Ident No.: 0010299	50	50	72	18	M10x15	50









### apparatus castors with plate









Castor series 1321:  
lightweight, pressed  
steel sheet housing,  
chrome plated

Fork head with  
double ball bearing

#### swivel castors

								
	wheel ø mm	wheel width mm	height mm	projec- tion, swivel castor mm	plate size mm	hole spacing mm	hole ø mm	load- carrying capa- city kg
L-1321-30-3 Ident No.: 0010294	30	30	46.5	15	40 x 40	27 x 27	5.1	25
L-1321-40-3 Ident No.: 0010297	40	40	59.5	16	40 x 40	27 x 27	5.1	40
L-1321-50-3 Ident No.: 0010300	50	50	69	18	47 x 47	35 x 35	5.8	50

### ladder castors





	 wheel ø mm	 wheel width mm	 plate size mm	 hole spacing mm	 hole ø mm	 load- carrying capacity kg
B-1260-50-BOCK Ident No.: 0010222	50	18	59.5 x 48	38 x 22.5	5.3	17
L-1265-50-LENK Ident No.: 0010223	50	18	59.5 x 48	38 x 22.5	5.3	17

### ladder castors

Spring-loaded locking castors for ladders: they lower down when under pressure so that the ladder bars are pressed onto the ground. Approx. 15 kg. total spring load.



### castors for glass cutting tables





	 wheel ø mm	 height mm	 pin size mm	 load-carrying capacity kg
L-1,250-SG-35 Ident No.: 0010215	35	53	M14x44	15
L-1,250-SG-35-LINKS Ident No.: 0035353	35	53	M14x44	15
L-1,250-SG-50 Ident No.: 0010216	50	53	M14x44	20
L-1,250-SG-50-LINKS Ident No.: 0038376	50	69	M14x44	20
L-1,250-SG-50-VA Ident No.: 0038992	50	69	M14x44	20

### castors for glass cutting tables rubber

With black rubber ball version for retractable glass cutting tables



### castors for glass cutting tables

	 wheel ø mm	 height mm	 pin size mm	 load-carrying capacity kg
L-1,250-PU-35 Ident No.: 0010217	35	53	M14x44	15
L-1,250-PU-50 Ident No.: 0010218	50	69	M14x44	20

### castors for glass cutting tables polyurethane

With polyurethane ball version for retractable glass cutting tables











## thermoplastic // plastic apparatus castors // up to 100 kg



### Features:

- castor series KA:
- a high-quality alternative to metal housing
- the precision deep-groove ball bearing in the fork head provides for outstanding pivoting characteristics.
- minimal weight
- attractive appearance



swivel castors	swivel castors with double brake	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 plate size mm	 hole pattern from to mm	 hole ø mm	 load-carrying capacity kg
L-KA-TPAK-100-K-3 ID: 0040555	L-KA-TPAK-100-K-3-DSN ID: 0040556	100	32	140	42	77 x 67	61 x 51	8	100
L-KA-TPAK-100-K-3-GP ID: 0040557	L-KA-TPAK-100-K-3-DSN-GP ID: 0040558	100	32	140	42	95 x 70	75 x 50	10	100
L-KA-TPAK-125-K-3 ID: 0040560	L-KA-TPAK-125-K-3-DSN ID: 0040561	125	32	166	46	77 x 67	61 x 51	8	100
L-KA-TPAK-125-K-3-GP ID: 0011180	L-KA-TPAK-125-K-3-DSN-GP ID: 0040548	125	32	166	46	95 x 70	75 x 50	10	100

**Features:**

- castor series KA:
- a high-quality alternative to metal housing
- the precision deep-groove ball bearing in the fork head provides for outstanding pivoting characteristics.
- minimal weight
- attractive appearance



swivel castors	swivel castors with double brake	wheel ø mm	wheel width mm	height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
L-KA-TPAK-100-K-1 ID: 0040553	L-KA-TPAK-100-K-1-DSN ID: 0040554	100	32	135	42	12	100
L-KA-TPAK-125-K-1 ID: 0040559	L-KA-TPAK-125-K-1-DSN ID: 0040547	125	32	161	46	12	100










thermoplastic // plastic apparatus castors // up to 100 kg



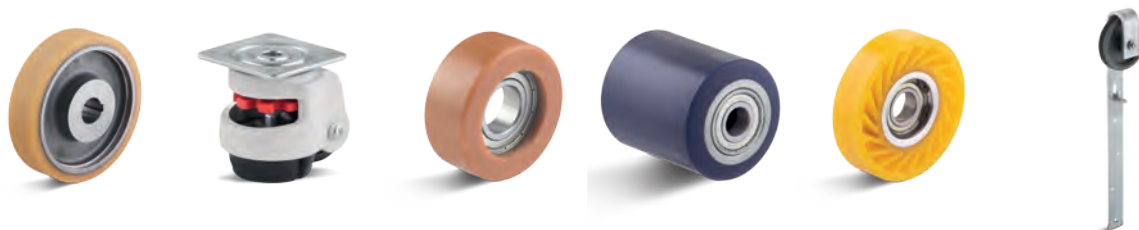
- Features:**
- castor series KA:
  - a high-quality alternative to metal housing
  - the precision deep-groove ball bearing in the fork head provides for outstanding pivoting characteristics.
  - minimal weight
  - attractive appearance



swivel castors	fixed castors	 wheel ø mm	 wheel width mm	 height mm	 projection, swivel castor mm	 plate size mm	 hole spacing mm	 hole ø mm	 load- carrying capacity kg
L-KU-TPBK-100-K-3-VA ID: 0038271	B-KU-TPBK-100-K-3-VA ID: 0038415	100	31	130	35	105 x 80	80 x 60	9	100

**thermoplastic**// plastic apparatus castors // up to 100 kg

## SPECIAL APPLICATIONS



SERIES	drive wheels	locking castors	guide rollers, with and without threaded bolts	lift truck castors and wheel	lamellar wheel, pressure rollers	Door and gate rollers
LOAD- CARRYING CAPACITY	up to 10,000 kg	up to 1,200 kg	up to 270 kg	up to 1,300 kg	keine Angabe	up to 800 kg
WHEEL-Ø	50 mm - 645 mm	42 mm - 60 mm	25 mm - 100 mm	50 mm - 90 mm 140 mm - 200 mm	42 mm - 200 mm	45 mm - 160 mm
MATERIAL/ TIRES	elastic- solid rubber, Vulkollan®	polyamide	polyamide, steel,0 polyurethane, Vulkollan®	elastic solid rub- ber, polyurethane, elastic polyure- thane, Vulkollan®, polyamide	elastic- polyurethane, from 50° Shore A	polyamide, steel, cast iron, stainless steel
VERSION	with groove according to DIN 6885, flange or clamping bushes	Adjustable height, with aluminum or cast housing	Injection-molded ball bearing, also with steel core variants	as load wheels and running wheels	through hole, ball bearing	semicircular or angular groove, with or without bracket, with or without axle
PAGES	<b>372</b>	<b>378</b>	<b>381</b>	<b>388</b>	<b>400</b>	<b>402</b>





	<b>pulleys</b>	<b>flanged wheels and double flanged wheels</b>	<b>elastic solid rubber press-on tires</b>	<b>Vulkollan® and polyurethane press-on tires</b>
	up to 410 kg	up to 4,000 kg	up to 4,700 kg	up to 11,000 kg
	30 mm - 160 mm	50 mm - 250 mm	100 mm - 645 mm	100 mm – 645 mm
	polyamide, steel, cast iron, stainless steel	grey cast iron, steel, stainless steel	elastic solid rubber	Vulkollan®, polyurethane
	semicircular groove, plain, roller or ball bearing	conical or cylindrical tread, plain bearing, ball bearing, with fit and groove	cylindrical or conical press-on foot, steel ring or wire mesh	cylindrical or conical press-on foot, steel ring, spherical or cylindrical tread
	<b>408</b>	<b>412</b>	<b>422</b>	<b>427</b>



## Special applications

There are a variety of different wheels and castors available that meet the specific requirements of special applications. This product line includes sizes ranging from guide rollers with 25 mm ø to wheels for sewage treatment plants with 620 mm ø. An overview is provided in the following pages.

### Special applications include

- 🌀 drive wheels
- 🌀 pressure rollers
- 🌀 locking castors
- 🌀 guide rollers
- 🌀 lift truck wheels and castors
- 🌀 pulleys
- 🌀 flanged wheels and double flanged wheels
- 🌀 door rollers and gate runner rollers

The range of options in this sector is quite wide; additional designs and dimensions for this range are available on request.

### areas of use // floors





# Vulkollan® for the most demanding requirements

the material Vulkollan® is a highly elastic, cross-linked polyurethane elastomer based on desmodur 15. It is characterized by its excellent wear resistance and durability. Vulkollan® has a high load capacity and is oil-resistant. Vulkollan® is particularly suitable for drive applications. re-coating services for your existing cores are available on request.

## Properties

- ☞ high load capacity
- ☞ run quietly
- ☞ durable and abrasion-resistant
- ☞ resistant to cutting by metal chips
- ☞ resistant to oil and grease
- ☞ high elongation at breakage
- ☞ elastic ductility
- ☞ also available with hydrolysis protection
- ☞ (especially recommended for usage in high air humidity)
- ☞ resistant to UV radiation



## Shore hardness

approx. 92° Shore A

## Temperature range

Vulkollan® can be used from 20° C to 90° C.

## Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove

## areas of use // floors



## elastic heavy-duty wheels // series EGS // up to 4,700 kg



### Description:

- running wheels and drive wheels
- wheel body with welded steel or cast iron construction
- rim with press-on hydraulic, steel wire reinforced or steel-ring press-on running wheels: featuring two precision ball bearings
- for drive wheels, the hubs are available with fit and feather key groove (according to DIN 6885). hub receptacles for clamping bushings are also an option



***"Please follow the ordering example (page 374)"***

order number	wheel ø mm	wheel width mm	rim-ø mm	hub ø mm	hub length mm	bore hole mm	weight kg	load- carrying capacity kg
EGS...	125	50	75	75	60	20/25	1.0	160
EGS...	150	50	100	57/60	60	20/25	1.2	225
EGS...	160	50	100	57/60	60	20/25	1.2	250
EGS...	180	50	120	60	60	25	1.3	325
EGS...	200	50	140	57/60	60	20/25	2.4	350
EGS...	200	75	100	60/70	85	25/30	4.0	500
EGS...	200	85	105	60/70/83	95	25/30/35	5.0	550
EGS...	230	50	170	60	60	25	4.0	400
EGS...	250	50	190	70	60	30	5.5	450
EGS...	250	60	190	60/70	70	25/30	5.5	525
EGS...	250	75	140	70	85	30	6.0	625
EGS...	250	80	170	60/70/83	90	25/30/35	5.5	675
EGS...	250	130	140	70/83/95	140	30/35/40	12.0	975
EGS...	260	60	170	70	70	30	5.5	575
EGS...	265	160	169	95/102	170	40/45/50	5.5/15.0	1,150

## elastic heavy-duty wheels // series EGS // up to 4,700 kg

order number	wheel ø mm	wheel width mm	rim-ø mm	hub ø mm	hub length mm	bore hole mm	weight kg	load- carrying capacity kg
EGS...	270	105	170	76/83/95	115	30/35/40	8.0	900
EGS...	280	50	220	60/70	60	25/30	7.0	525
EGS...	280	60	190	60/70	70	25/30	6.0	575
EGS...	280	75	220	76	85	30	8.0	725
EGS...	300	75	220	76	85	30	8.0	750
EGS...	300	85	170	76/83	95	30/35	8.0	675
EGS...	300	90	203	76/83/95	100	30/35/40	10.0	900
EGS...	300	100	203	83/95	110	35/40	10.5	975
EGS...	310	60	220	70	70	30	9.0	650
EGS...	310	100	170	83/95	110	35/40	8.5	950
EGS...	310	120	220	95	130	40	12.0	1.050
EGS...	360	60	270	70/83/95	70	30/35/40	9.0	750
EGS...	360	75	270	70/83	85	30/35	9.5	950
EGS...	360	85	270	76/83	95	30/35	10.0	1.050
EGS...	400	65	305	76/83/95	75	30/35/40	15.0	900
EGS...	400	75	305	83	85	35	15.0	1,000
EGS...	405	130	305	95/107/121	140	40/45/50/55	23.0	1,500
EGS...	415	90	305	89/95	100	35/40	15.0	1,150
EGS...	415	100	305	95	110	40	16.0	1,250
EGS...	425	150	305	108/114	160	45/55	25.0	1.900
EGS...	455	100	305	83/95/108	110	35/40/45	23.0	1.350
EGS...	500	65	410	95	75	40	20.0	1,100
EGS...	500	85	370	89/95	95	35/40	22.0	1,300
EGS...	520	100	370	95/108	110	40/45/50	29.0	1,525
EGS...	540	200	410	140	210	65	60.0	3,270
EGS...	550	120	410	108	130	50	40.0	1,825
EGS...	550	160	410	133	170	60	60.0	2,250

Matching accessories can be found on page 432



## elastic heavy-duty wheels // series EGS // up to 4,700 kg



Non-marking, oil-resistant or electrically conductive tires can be delivered on request. Drive wheels have a Shore hardness of approx. 69° Shore A, while running wheels have a hardness of approx. 67° Shore A.

The wheels are optionally available as either a fork wheel (with an axle opening on both sides) or as an end wheel (with a screw-on dust cap on one side). All of these wheel versions can, on request, be delivered with other holes and hub lengths.

### Note:

For flanged wheels, the flange geometry must be specified according to the ordering example below:

Running wheel: EGS-310-60-70-K20

Drive wheel: EKS-310-60-70-P20-H7-groove

Flanged wheel: EGFS-310-60-4-10.5-85-25

(Number of mounting holes, screw hole  $\varnothing$ , pitch circle  $\varnothing$ , center hole  $\varnothing$ )

order number	wheel $\varnothing$ mm	wheel width mm	rim- $\varnothing$ mm	hub $\varnothing$ mm	hub length mm	bore hole mm	weight kg	load- carrying capacity kg
EGS...	560	100	410	95/108	110	40/45	38.0	1,600
EGS...	610	150	410	108/121	160	50/55	50.0	2,250
EGS...	620	200	410	108/140	210	55/65	67.0	3,000
EGS...	645	200	480	160	210	80	72.0	3,100
EGS...	645	250	410	160	260	80	85.0	3,700
EGS...	645	300	410	160	310	80	100.0	4,700



**elastic heavy-duty wheels** // series EGS // up to 4,700 kg



## Features:







- VUAG and VUAS wheel series:
- wheel body made of special grey cast iron (the VUAG series)
- wheel body made of steel (the VUAS series)
- tread made of molded Vulkollan®, approx. 92° shore A, with precision bore and keyway groove in compliance with DIN 6885 for use as drive wheel







## Properties:

- high load capacity
- excellent cut resistance
- excellent chemical resistance
- durable and abrasion-resistant
- UV resistance
- (old designation: VVA)

## floors



driving wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub ø mm	 hub length mm	 load-carrying capacity kg
VUAS-100-25-17-P25-H7-PFN Ident No.: 0038404	100	25	25		17	240
VUAG-100-35-40-P32-H7-PFN Ident No.: 0036250	100	35	32		40	320
VUAS-100-40-40-P30-H7-PFN Ident No.: 0030852	100	40	30		40	360
VUAG-100-50-50-P20-H7-PFN Ident No.: 0035394	100	50	20		50	450
VUAS-100-50-50-P25-H7-PFN Ident No.: 0017644	100	50	25		50	450
VUAG-100-50-50-P35-H7-PFN Ident No.: 0034068	100	50	35		50	450
VUAS-125-40-40-P25-H7-PFN Ident No.: 0034009	125	40	25		40	340
VUAG-125-50-50-P30-H7-PFN Ident No.: 0032206	125	50	30	60	50	560
VUAG-125-50-50-P30-H7-PFN Ident No.: 0034863	125	50	30		50	350
VUAG-125-50-50-P35-H7-PFN Ident No.: 0017645	125	50	35	60	50	560
VUAG-150-50-50-P25-H7-PFN Ident No.: 0030840	150	50	25	61	50	650
VUAG-150-50-50-P30-H7-PFN Ident No.: 0032098	150	50	30	71	50	660
VUAG-150-50-50-P35-H7-PFN Ident No.: 0017646	150	50	35	61	50	660
VUAG-150-50-50-P40-H7-PFN Ident No.: 0031922	150	50	40		50	660
VUAG-150-50-50-P20-H7-PFN Ident No.: 0031355	150	50	20		50	650
VUAG-150-50-50-P45-H7-PFN Ident No.: 0037045	150	50	45	70	50	680

						
driving wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub ø mm	hub length mm	load-carrying capacity kg
VUAS-160-50-38-P20-H7-PFN Ident No.: 0037632	160	50	20		38	730
VUAG-160-50-50-P24-H7-PFN Ident No.: 0032097	160	50	24	61	50	730
VUAG-160-50-50-P25-H7-PFN Ident No.: 0036990	160	50	25	61	50	700
VUAG-160-50-50-P30-H7-PFN Ident No.: 0032847	160	50	30	61	50	730
VUAG-160-50-50-P35-H7-PFN Ident No.: 0017647	160	50	35	60	50	720
VUAG-180-55-60-P30-H7-PFN Ident No.: 0031816	180	55	30	63	60	900
VUAG-180-55-60-P25-H7-PFN Ident No.: 0036016	180	55	25	63	60	900
VUAG-180-60-60-P35-H7-PFN Ident No.: 0017648	180	60	35	65	60	800
VUAS-200-38-40-P20-H7-PFN Ident No.: 0032317	200	38	20		40	690
VUAS-200-50-50-P30-H7-PFN Ident No.: 0032265	200	50	30		50	800
VUAG-200-50-60-P35-H7-PFN Ident No.: 0017649	200	50	35	65	60	1,000
VUAG-200-80-80-P50-H7-PFN Ident No.: 0017650	200	80	50	75	80	1,200
VUAG-200-80-80-P35-H7-PFN Ident No.: 0038281	200	80	35		80	1,400
VUAS-200-100-100-P35-H7-PFN Ident No.: 0039960	200	100	35		100	1,800
VUAG-250-50-60-P50-H7-PFN Ident No.: 0017651	250	50	50	90	60	1,100
VUAG-250-50-60-P23-H7-PFN Ident No.: 0032377	250	50	23		60	900
VUAG-250-50-50-P40-H7-PFN Ident No.: 0038625	250	50	40		50	1,100
VUAG-250-50-60-P40-H7-PFN8 Ident No.: 0036112	250	50	40	90	60	1,140
VUAG-250-50-60-P62-H7-PFN Ident No.: 0035682	250	50	62	83	60	900
VUAG-250-80-80-P40-H7-PFN Ident No.: 0031340	250	80	40		80	1,800
VUAG-250-80-80-P50-H7-PFN Ident No.: 0017652	250	80	50	102	80	1,700
VUAS-250-100-100-P50-H7-PFN Ident No.: 0031782	250	100	50		100	2,290
VUAG-300-60-65-P50-H7-PFN Ident No.: 0017653	300	60	50	82	65	1,600
VUAG-300-80-80-P40-H7-PFN Ident No.: 0032792	300	80	40	108	80	2,200
VUAS-400-125-125-P50-H7-PFN Ident No.: 0032671	400	125	50	78	125	4,580
VUAS-400-150-160-P75-H7-PFN Ident No.: 0031842	400	150	75	121	160	5,500
VUAS-500-150-150-P80-H7-PFN Ident No.: 0030968	500	150	80		150	5,700
VUAS-500-150-160-P70-H7-PFN Ident No.: 0034216	500	150	70	139	160	5,700

## locking castors // up to 1,200 kg



### Features:

- FSR plate
- polyamide 6 wheels with plain bearing
- resistant to fracturing even at heavy loads

### Series FSR50-600










- housing made of power-coated aluminum
- fastening components are made from C45
- locking foot made of
- aluminum/rubber

### Series FSR800-1300

- housing made of cast iron
- locking foot made of steel/plastic

### Series FSR RF

- height is not adjustable
- with wheel brake

locking castors									
	wheel ø mm	wheel width mm	installation height, rolling mm	extended installation height mm	projecti- on, swivel castor mm	plate size mm	hole spacing mm	bolt hole ø mm	load- carrying capacity kg
FSR-300-3 ID: 0016579	50	22	83	95	60	73 x 73	58 x 58	6.5	170
FSR-600-3 ID: 0016581	63	29	102	117	83.5	90 x 90	70 x 70	9	340
FSR-RF-600-3 ID: 0029635	60	55	90		25	90 x 90	70 x 70	9.5	540
FSR-RF-800-3 ID: 0029636	75	55	108		25	90 x 90	70 x 70	9.5	670
FSR-1000-3 ID: 0016574	72	31	120	138	90	95 x 95	70 x 70	11	540
FSR-RF-1000-3 ID: 0029637	75	55	110	160	65.5	95 x 95	70 x 70	9.5	670
FSR-1300-3 ID: 0016576	72	31	121	139	89.5	95 x 95	70 x 70	11	670
FSR-1800-3 ID: 0016577	92	54	130	155	115	100 x 100	70 x 70	13	1,000

**Features:**

- polyamide 6 wheels with plain bearing
- bolt hole (inner thread)






**Series FSR50-600**

- housing made of power-coated aluminum
- fastening components are made from C45
- locking foot made of
- aluminum/rubber

**Series FSR800-1 300**

- housing made of cast iron
- locking foot made of steel/plastic








							
locking castors	wheel ø mm	wheel width mm	installation height, rolling mm	extended instal- lation height mm	projection, swivel castor mm	bolt hole ø mm	load-carrying capacity kg
FSR-050-1 ID: 0016572	42	18	71	81	50	IGM 8 x 12	35
FSR-300-1 ID: 0016578	50	25	83	95	60	IGM 12 x 15	170
FSR-600-1 ID: 0016580	63	33	102	117	83.5	IGM 12 x 15	340
FSR-1000-1 ID: 0016573	72	34	120	138	90	IGM 16 x 16	540
FSR-1300-1 ID: 0016575	72	34	121	139	89.5	IGM 16 x 16	670

## guide rollers // 594, 595 and CF

### guide rollers for sliding doors








These very stable guide rollers are made of steel with ball bearing and spherical tread

guide rollers	 wheel ø mm	 wheel width mm	 total length mm	 thread	 load-carrying capacity kg
595-048 Ident No.: 0013469	48	30	35	M16	200
595-100 Ident No.: 0013470	100	40	50	M24	750

### guide rollers for sliding doors








These very stable guide rollers are made of polyamide with plain bearing and spherical tread

guide rollers	 wheel ø mm	 wheel width mm	 total length mm	 thread	 load-carrying capacity kg
594-048 Ident No.: 0013468	48	40	52	M20	125
CF-231-52 Ident No.: 0026854	52	47.5	47	M16	125

### guide rollers for sliding doors








These guide rollers are made of polyamide with plain bearing and cylindrical tread

guide rollers	 wheel ø mm	 wheel width mm	 total length mm	 thread	 load-carrying capacity kg
CF-243-25 Ident No.: 0026855	25	30	72	M12	70
CF-243-30 Ident No.: 0026856	30	30	75.5	M14	75
CF-243-40 Ident No.: 0026857	40	30	75.5	M14	80

### guide rollers Inox



These guide rollers are made of polyamide with cylindrical tread and stainless steel bolts

guide rollers	 wheel ø mm	 wheel width mm	 total length mm	 thread	 load-carrying capacity kg
CF-230I-30 Ident No.: 0026903	30	43	40	M16	75
CF-230I-40 Ident No.: 0026904	40	56	58	M16	80







**Features:**

- PAFO wheel series:
- wheel body made of molded polyamide 6
- encapsulated deep-groove ball bearing
- the surfaces are available in different designs (such as spherical or cylindrical).
- (old designation: PO)

24 hours  
delivery



*"Many other sizes available  
on request"*

guide castors	 wheel ø mm	 wheel width mm	 axle hole ø mm	 ball bearing	 hub length mm	 load-carrying capacity kg
PAFO-030-11-7-K08 Ident No.: 0022675	30	11	8	608-2Z	7	40
PAFO-038-28-10-K12 Ident No.: 0022682	38	28	12	6201-RS	10	80
PAFO-038-38-10-K12 Ident No.: 0022683	38	38	12	6201-RS	10	80
PAFO-040-16-9-K15 Ident No.: 0033672	40	16	15	6002-2RS	9	120
PAFO-042-14-10-K12 Ident No.: 0022684	42	14	12	6201-RS	10	70
PAFO-042-28-10-K12 Ident No.: 0022685	42	28	12	6201-RS	10	110
PAFO-042-38-10-K12 Ident No.: 0022686	42	38	12	6201-RS	10	130
PAFO-050-15-9-K10 Ident No.: 0022688	50	15	10	6200-RS	9	80
PAFO-050-15-8-K12 Ident No.: 0022689	50	15	12	6001-RS	8	80
PAFO-055-25-9-K15 Ident No.: 0022690	55	25	15	6002-RS	9	150
PAFO-060-30-13-K15 Ident No.: 0035523	60	30	15	6302-2RS	13	350
PAFO-070-25-14-K20 Ident No.: 0039206	70	25	20	6204-ZZ	14	200
PAFO-080-20-10-K12 Ident No.: 0022692	80	20	12	6201-RS	10	175
PAFO-080-20-12-K17 Ident No.: 0035249	80	20	17	6203-2RS	12	310



## Features:







- FPRO wheel series
- wheel body made of molded polyurethane
- with deep-groove ball bearing
- approx. 95° shore A

## Properties:






- runs quietly
- good damping properties
- available in spherical or cylindrical
- (old designation: TO)



**"Many other sizes available on request"**

guide castors	 wheel ø mm	 wheel width mm	 axle hole ø mm	 ball bearing	 hub length mm	 load-carrying capacity kg
FPRO-030-11-7-K08-ZZ Ident No.: 0025213	30	11	8	608-ZZ	7	40
FPRO-030-11-7-K08 Ident No.: 0030748	30	11	8	608-2RS	7	40
FPRO-038-28-10-K12 Ident No.: 0025214	38	28	12	6201-RS	10	80
FPRO-038-28-10-K12-ZZ Ident No.: 0039656	38	28	12	6201-ZZ	10	80
FPRO-038-38-10-K12 Ident No.: 0025215	38	38	12	6201-RS	10	80
FPRO-040-16-9-K15 Ident No.: 0033675	40	16	15	6002-2RS	9	55
FPRO-042-14-10-K12 Ident No.: 0025216	42	14	12	6201-RS	10	70
FPRO-042-28-10-K12 Ident No.: 0025217	42	28	12	6201-RS	10	110
FPRO-042-38-10-K12 Ident No.: 0025218	42	38	12	6201-RS	10	130
FPRO-050-15-9-K10 Ident No.: 0025219	50	15	10	6200-2RS	9	80
FPRO-050-15-9-K10-ZZ-braun Ident No.: 0035850	50	15	10	6200-ZZ	9	100
FPRO-050-15-8-K12 Ident No.: 0025220	50	15	12	6201-RS	8	80
FPRO-055-25-9-K15 Ident No.: 0025221	55	25	15	6002-RS	9	150
FPRO-057-20-12-K17-ZZ Ident No.: 0017770	57	20	17	6203-ZZ	12	135
FPRO-060-18-10-K12 Ident No.: 0030771	60	18	12	6201-2RS	10	90
FPRO-060-20-12-K17 Ident No.: 0031765	60	20	17	6203-2RS	12	95



						
guide castors	wheel ø mm	wheel width mm	axle hole ø mm	ball bearing	hub length mm	load-carrying capacity kg
FPRO-080-20-10-K12 Ident No.: 0025222	80	20	12	6201-RS	10	140
FPRO-080-20-14-K20 Ident No.: 0036294	80	20	20	6204-2RS	14	140
FPRO-080-25-15-K25-ZZ-braun Ident No.: 0033719	80	25	25	6205-ZZ	15	200
FPRO-080-25-15-K20 Ident No.: 0033917	80	20	20	6205-2RS	15	215
FPRO-080-27-14-K20 Ident No.: 0025223	80	27	20	6204-2RS	14	190



## Features:







- FPVO wheel series:
- wheel made of molded polyurethane with ball bearing, approx. 59° shore D






## Properties:

- runs quietly
- good damping properties
- (old designation: TOV)



***"Many other sizes available on request"***

guide castors	 wheel ø mm	 wheel width mm	 axle hole ø mm	 ball bearing	 hub length mm	 load-carrying capacity kg
FPVO-022-10-05-K05 Ident No.: 0030997	22	10	5	625-ZZ	5	18
FPVO-025-10-06-K06 Ident No.: 0028227	25	10	6	626-ZZ	6	20
FPVO-030-11-07-K08 Ident No.: 0028228	30	11	8	608-ZZ	7	22
FPVO-030-11-07-K09 Ident No.: 0028229	30	11	9	609-ZZ	7	22
FPVO-032-16-07-K08 Ident No.: 0028230	32	16	8	608-ZZ	7	44
FPVO-035-11-07-K08 Ident No.: 0028231	35	11	8	608-ZZ	7	40
FPVO-035-15-08-K10 Ident No.: 0028232	35	15	10	6000-ZZ	8	60
FPVO-038-11-07-K08 Ident No.: 0039109	38	11	8	608-ZZ	7	40
FPVO-040-14-09-K10 Ident No.: 0028233	40	14	10	6200-ZZ	9	70
FPVO-040-14-08-K12 Ident No.: 0028234	40	14	12	6001-ZZ	8	70
FPVO-040-20-09-K10 Ident No.: 0028235	40	20	10	6200-ZZ	9	90
FPVO-042-14-09-K15 Ident No.: 0028236	42	14	15	6002-ZZ	9	70
FPVO-045-15-08-K12 Ident No.: 0028237	45	15	12	6001-ZZ	8	80
FPVO-050-12-09-K15 Ident No.: 0040227	50	12	15	6002-ZZ	9	70
FPVO-050-15-07-K08 Ident No.: 0028238	50	15	8	608-ZZ	7	80
FPVO-050-15-09-K10 Ident No.: 0028239	50	15	10	6200-ZZ	9	100

						
guide castors	wheel ø mm	wheel width mm	axle hole ø mm	ball bearing	hub length mm	load-carrying capacity kg
FPVO-050-15-10-K12 Ident No.: 0028240	50	15	12	6201-ZZ	10	80
FPVO-050-18-09-K10 Ident No.: 0028241	50	18	10	6200-ZZ	9	100
FPVO-050-18-10-K12 Ident No.: 0028242	50	18	12	6201-ZZ	10	100
FPVO-050-18-10-K17 Ident No.: 0028243	50	18	17	6003-ZZ	10	110
FPVO-050-18-10-K17-2RS Ident No.: 0039631	50	18	17	6003-2RS	10	110
FPVO-050-25-10-K12 Ident No.: 0035017	50	25	12	6201-ZZ	10	115
FPVO-050-25-11-K15 Ident No.: 0028244	50	25	15	6202-ZZ	11	115
FPVO-055-20-10-K12 Ident No.: 0028245	55	20	12	6201-ZZ	10	115
FPVO-057-20-12-K17 Ident No.: 0028246	57	20	17	6203-ZZ	12	135
FPVO-060-15-09-K10 Ident No.: 0039506	60	15	10	6200-ZZ	9	110
FPVO-060-20-12-K20 Ident No.: 0028247	60	20	20	6004-ZZ	12	150
FPVO-060-20-12-K17 Ident No.: 0028248	60	20	17	6203-ZZ	12	150
FPVO-060-25-11-K15 Ident No.: 0028249	60	25	15	6202-ZZ	11	150
FPVO-060-25-12-K20 Ident No.: 0028250	60	25	20	6004-ZZ	12	150
FPVO-064-18-12-K17 Ident No.: 0033164	64	18	17	6203-2RS	12	150
FPVO-065-15-10-K12 Ident No.: 0037394	65	15	12	6201-ZZ	10	130
FPVO-070-17-12-K17 Ident No.: 0031185	70	17	17	6203-ZZ	12	80
FPVO-070-25-14-K20 Ident No.: 0031971	70	25	20	6204-ZZ	14	200
FPVO-080-25-15-K25 Ident No.: 0037329	80	25	25	6205-ZZ	15	215
FPVO-090-20-14-K17 Ident No.: 0036317	90	20	17	6303-ZZ	14	195
FPVO-100-25-25-K25 Ident No.: 0033820	100	25	25	6205-ZZ	15	260
FPVO-120-25-15-K25 Ident No.: 0038712	120	25	25	6205-ZZ	15	270



## Features:







- FVUS wheel series:
- tread made of Vulkollan® with steel core and ball bearing, approx. 92° shore A

## Properties:

- high load capacity
- cut resistance
- excellent chemical resistance
- durable and abrasion-resistant
- UV resistance
- (old designation: VUV)



***"Many other sizes available on request"***

guide castors	 wheel ø mm	 wheel width mm	 axle hole ø mm	 ball bearing	 hub length mm	 load-carrying capacity kg
FVUS-040-15-08-K10 Ident No.: 0033179	40	15	10	6000-ZZ	8	55
FVUS-042-20-08-K10 Ident No.: 0038882	42	20	10	6000-ZZ	8	70
FVUS-050-15-09-K10 Ident No.: 0028251	50	15	10	6000-ZZ	9	90
FVUS-050-18-04-K17 Ident No.: 0033181	50	18	17	6003-2RS	10	80
FVUS-055-20-10-K12 Ident No.: 0080956	55	20	12	6201-2RS	10	100
FVUS-055-25-11-K15 Ident No.: 0036028	55	25	15	6202-2RS	11	120
FVUS-060-18-18-K17 Ident No.: 0036992	60	18	17	6203-2RS	18	110
FVUS-060-20-12-K20 Ident No.: 0038103	60	20	20	6004-2RS	12	110
FVUS-068-28-14-K20 Ident No.: 0038875	68	28	20	6204-2RS	14	100
FVUS-070-25-11-K15 Ident No.: 0033253	70	25	15	6202-2RS	11	160
FVUS-070-25-14-K20 Ident No.: 0028252	70	25	20	6204-ZZ	14	150
FVUS-070-25-15-K25 Ident No.: 0035273	70	25	25	6205-2RS	15	150
FVUS-070-34-34-K20 Ident No.: 0039520	70	34	20	6204-ZZ	34	200
FVUS-070-36-36-K15 Ident No.: 0039239	70	36	15	6002-2RS	36	230
FVUS-080-25-15-K25 Ident No.: 0033177	80	25	25	6205-ZZ	15	180
FVUS-100-25-15-K25 Ident No.: 0036951	100	25	25	6205-2RS	15	225



## polyamide // PAHU // up to 1100 kg



### Features

- castor series PAHU:
- Made of polyamide 6 with ball bearing

### Properties:

- resistant to fracturing even at heavy loads
- low rolling resistance
- excellent chemical resistance
- high load capacity
- run well on smooth floor surfaces
- maintenance-free
- (old designation: KN)



bore hole 17 mm	bore hole 20 mm	bore hole 25 mm	wheel ø mm	wheel width mm	axle hole ø mm	EL mm	load-carrying capacity kg
PAHU-080-60-K17 ID: 0012262	PAHU-080-60-K20 ID: 0012263	PAHU-080-60-K25 ID: 0012264	80	60	17/20/25	60	600
PAHU-080-74-K17 ID: 0012266	PAHU-080-74-K20 ID: 0012267	PAHU-080-74-K25 ID: 0012268	80	74	17/20/25	74	700
PAHU-082-54-K17 ID: 0012270	PAHU-082-54-K20 ID: 0012271	PAHU-082-54-K25 ID: 0012272	82	54	17/20/25	54	600
PAHU-082-60-K17 ID: 0012346	PAHU-082-60-K20 ID: 0012347	PAHU-082-60-K25 ID: 0012348	82	60	17/20/25	60	700
PAHU-082-70-K17 ID: 0012274	PAHU-082-70-K20 ID: 0012275	PAHU-082-70-K25 ID: 0012276	82	70	17/20/25	70	700
PAHU-082-72-K17 ID: 0012278	PAHU-082-72-K20 ID: 0012279	PAHU-082-72-K25 ID: 0012280	82	72	17/20/25	72	700
PAHU-082-80-K17 ID: 0012282	PAHU-082-80-K20 ID: 0012283	PAHU-082-80-K25 ID: 0012284	82	80	17/20/25	80	800
PAHU-082-84-K17 ID: 0012301	PAHU-082-84-K20 ID: 0012302	PAHU-082-84-K25 ID: 0012303	82	84	17/20/25	84	850
PAHU-082-88-K17 ID: 0012305	PAHU-082-88-K20 ID: 0012306	PAHU-082-88-K25 ID: 0012307	82	88	17/20/25	88	900
PAHU-082-91-K17 ID: 0012309	PAHU-082-91-K20 ID: 0012310	PAHU-082-91-K25 ID: 0012311	82	91	17/20/25	91	900
PAHU-082-93-K17 ID: 0012317	PAHU-082-93-K20 ID: 0012318	PAHU-082-93-K25 ID: 0012319	82	93	17/20/25	93	900
PAHU-082-95-K17 ID: 0012313	PAHU-082-95-K20 ID: 0012314	PAHU-082-95-K25 ID: 0012315	82	95	17/20/25	95	1,000
PAHU-082-100-K17 ID: 0012321	PAHU-082-100-K20 ID: 0012322	PAHU-082-100-K25 ID: 0012323	82	100	17/20/25	100	1,000

**polyamide // PAHU //** up to 1 100 kg



bore hole 17 mm	bore hole 20 mm	bore hole 25 mm	wheel ø mm	wheel width mm	axle hole ø mm	EL mm	load-carrying capacity kg
PAHU-085-60-K17 ID: 0017242	PAHU-085-60-K20 ID: 0017243	PAHU-085-60-K25 ID: 0012325	85	60	17/20/25	60	750
PAHU-085-70-K17 ID: 0012327	PAHU-085-70-K20 ID: 0012328	PAHU-085-70-K25 ID: 0012329	85	70	17/20/25	70	800
PAHU-085-80-K17 ID: 0012335	PAHU-085-80-K20 ID: 0012336	PAHU-085-80-K25 ID: 0012337	85	80	17/20/25	80	850
PAHU-085-90-K17 ID: 0012339	PAHU-085-90-K20 ID: 0012340	PAHU-085-90-K25 ID: 0012341	85	90	17/20/25	90	950
PAHU-085-100-K17 ID: 0017255	PAHU-085-100-K20 ID: 0012343	PAHU-085-100-K25 ID: 0012344	85	100	17/20/25	100	1100



***"Also available with ZV-ball bearing  
and Niro-ball bearing"***

wheels // PAM-ball bearing



Features:






- PAM and PAH wheel series:
- polyamide 6 wheel body with ball bearing
- polyamide 6 can absorb and release moisture

Properties:

- excellent chemical resistance
- high load capacity
- resistant to fracturing even at heavy loads
- long service life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: POKS and 820)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PAM-200-50-60-K20 Ident No.: 0015407	200	50	20	60	1,000
PAM-200-50-60-K25 Ident No.: 0035765	200	50	25	60	1,000

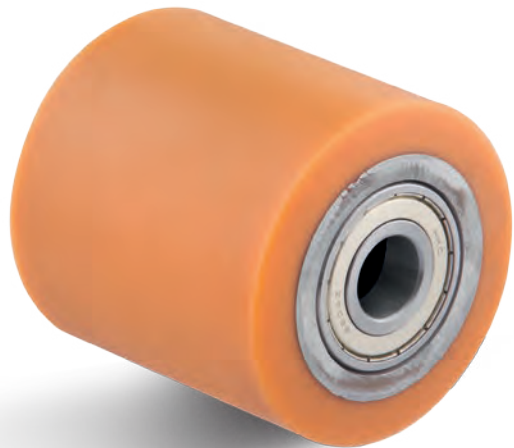


#### Features:

- castor series PUHS:
- wheel bodies made of steel with ball bearings
- tread surface made of molded polyurethane, approx. 92° – 95° shore A

#### Properties:

- high load capacity
- low abrasion, without leaving a mark or trace
- impact-resistant, low rolling resistance
- excellent chemical resistance, resistant to oil and grease
- resistant to cutting by metal chips
- (old designation: VN)



***"Also available with ZV-ball bearing and Niro-ball bearing"***



bore hole 17 mm	bore hole 20 mm	bore hole 25 mm	wheel ø mm	wheel width mm	axle hole ø mm	EL mm	load-carrying capacity kg
PUHS-080-50-K17 ID: 0012350	PUHS-080-50-K20 ID: 0012351	PUHS-080-50-K25 ID: 0012352	80	50	17/20/25	50	400
PUHS-080-70-K17 ID: 0012354	PUHS-080-70-K20 ID: 0012355	PUHS-080-70-K25 ID: 0012356	80	70	17/20/25	70	450
PUHS-082-50-K17 ID: 0012358	PUHS-082-50-K20 ID: 0012359	PUHS-082-50-K25 ID: 0012360	82	50	17/20/25	50	350
PUHS-082-60-K17 ID: 0012362	PUHS-082-60-K20 ID: 0012363	PUHS-082-60-K25 ID: 0012364	82	60	17/20/25	60	450
PUHS-082-70-K17 ID: 0012366	PUHS-082-70-K20 ID: 0012367	PUHS-082-70-K25 ID: 0012368	82	70	17/20/25	70	500
PUHS-082-75-K17 ID: 0012370	PUHS-082-75-K20 ID: 0012371	PUHS-082-75-K25 ID: 0012372	82	75	17/20/25	75	525
PUHS-082-80-K17 ID: 0012374	PUHS-082-80-K20 ID: 0012375	PUHS-082-80-K25 ID: 0012376	82	80	17/20/25	80	600
PUHS-082-90-K17 ID: 0012378	PUHS-082-90-K20 ID: 0012379	PUHS-082-90-K25 ID: 0012380	82	90	17/20/25	90	650
PUHS-082-100-K17 ID: 0012382	PUHS-082-100-K20 ID: 0012383	PUHS-082-100-K25 ID: 0012384	82	100	17/20/25	100	700
PUHS-085-50-K17 ID: 0012386	PUHS-085-50-K20 ID: 0012387	PUHS-085-50-K25 ID: 0012388	85	50	17/20/25	50	350
PUHS-085-60-K17 ID: 0012390	PUHS-085-60-K20 ID: 0012391	PUHS-085-60-K25 ID: 0012392	85	60	17/20/25	60	450
PUHS-085-70-K17 ID: 0012394	PUHS-085-70-K20 ID: 0012395	PUHS-085-70-K25 ID: 0012396	85	70	17/20/25	70	550
PUHS-085-75-K17 ID: 0012398	PUHS-085-75-K20 ID: 0012399	PUHS-085-75-K25 ID: 0012400	85	75	17/20/25	75	575

## polyurethane // PUHS // up to 900 kg



bore hole 17 mm	bore hole 20 mm	bore hole 25 mm	wheel ø mm	wheel width mm	axle hole ø mm	EL mm	load-carrying capacity kg
PUHS-085-80-K17 ID: 0012402	PUHS-085-80-K20 ID: 0012403	PUHS-085-80-K25 ID: 0012404	85	80	17/20/25	80	600
PUHS-085-90-K17 ID: 0012406	PUHS-085-90-K20 ID: 0012407	PUHS-085-90-K25 ID: 0012408	85	90	17/20/25	90	700
PUHS-085-100-K17 ID: 0012410	PUHS-085-100-K20 ID: 0012411	PUHS-085-100-K25 ID: 0012412	85	100	17/20/25	100	800
PUHS-085-110-K17 ID: 0012414	PUHS-085-110-K20 ID: 0012415	PUHS-085-110-K25 ID: 0012416	85	110	17/20/25	110	850
PUHS-085-120-K17 ID: 0012418	PUHS-085-120-K20-2RS ID: 0012419	PUHS-085-120-K25 ID: 0012420	85	120	17/20/25	120	900

**polyurethane // PUHS // up to 900 kg**



Features:

- PUZA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread made of molded polyurethane, approx. 92° shore A
- cylindrical tread

Properties:






- high load capacity
- low abrasion, non-marking, shock-resistant
- low rolling resistance
- excellent chemical resistance, oil and grease resistance
- resistant to cutting by metal chips
- (old designation: PA)



*“low weight and high load-carrying capacity”*

floors



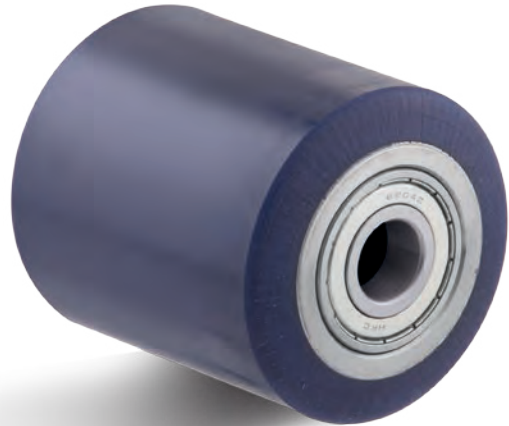
wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
PUZA-180-50-60-K20 Ident No.: 0031726	180	50	20	60	600
PUZA-200-50-60-K20 Ident No.: 0038443	200	50	20	60	700
PUZA-200-50-60-K25 Ident No.: 0022527	200	50	25	60	700

#### Features:

- castor series EPHS:
- wheel bodies made of steel with ball bearings
- tread surface made of molded polyurethane, 78° shore A

#### Properties:

- high load capacity
- low rolling resistance
- without leaving a mark or trace
- runs quietly
- sturdy, shock-proof, vibration-damping
- (old designation: EPN)



bore hole 17 mm	bore hole 20 mm	bore hole 25 mm	wheel ø mm	wheel width mm	axle hole ø mm	el mm	load-carrying capacity kg
EPHS-082-70-K17 ID: 0012422	EPHS-082-70-K20 ID: 0012423	EPHS-082-70-K25 ID: 0012424	82	70	17/20/25	70	700
EPHS-082-90-K17 ID: 0012426	EPHS-082-90-K20 ID: 0012427	EPHS-082-90-K25 ID: 0012428	82	90	17/20/25	90	850
EPHS-082-100-K17 ID: 0012430	EPHS-082-100-K20 ID: 0012431	EPHS-082-100-K25 ID: 0012432	82	100	17/20/25	100	950
EPHS-085-70-K17 ID: 0012434	EPHS-085-70-K20 ID: 0012435	EPHS-085-70-K25 ID: 0012436	85	70	17/20/25	70	700
EPHS-085-90-K17 ID: 0012438	EPHS-085-90-K20 ID: 0012439	EPHS-085-90-K25 ID: 0012440	85	90	17/20/25	90	850
EPHS-085-100-K17 ID: 0012442	EPHS-085-100-K20 ID: 0012443	EPHS-085-100-K25 ID: 0012444	85	100	17/20/25	100	950



**"Also available with ZV-ball bearing  
and Niro-ball bearing"**



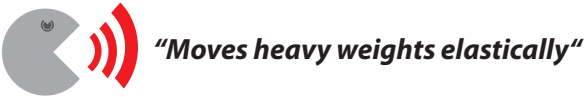
Features:






- EPUA wheel series
- die-cast aluminum wheel body with ball bearing
- tread surface made of molded polyurethane, 78° shore A

Properties:

- high load capacity
- low rolling resistance
- non-marking, runs quietly
- sturdy and shock-resistant
- absorbs vibration
- (old designation: EPA)

floors



wheels	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EPUA-180-50-60-K20 Ident No.: 0016064	180	50	20	60	500
EPUA-200-50-60-K20 Ident No.: 0016065	200	50	20	60	700

## floors



## Features:





- castor series VUHS:
- steel wheel body with ball bearings pressed in on both sides
- tread surface made of molded Vulkollan®, 92° shore A

## Properties:





- high structural strength
- no permanent deformation under continuous load
- high load capacity, cut resistance
- excellent chemical resistance
- sturdy, resistant to abrasion and UV radiation
- (old designation: VVN)



*"Many other sizes available on request"*

lift truck rollers	 wheel ø mm	 wheel width mm	 EL mm	 axle hole ø mm	 load-carrying capacity kg
VUHS-070-70-K15 Ident No.: 0030817	70	70	70	15	350
VUHS-080-54-K20-EL60 Ident No.: 0017654	80	54	60	20	400
VUHS-082-66-K20-EL71 Ident No.: 0017671	82	66	71	20	480
VUHS-082-69-K20-EL62 Ident No.: 0017660	82	69	62	20	510
VUHS-082-72-K20-EL74 Ident No.: 0017662	82	72	74	20	540
VUHS-082-78-K20 Ident No.: 0017663	82	78	78	20	580
VUHS-082-75-K17-EL76 Ident No.: 0032641	82	75	76	17	580
VUHS-082-82-K25 Ident No.: 0017664	82	82	82	25	600
VUHS-082-89-K20-EL82 Ident No.: 0017665	82	89	82	20	670
VUHS-082-91-K20-EL95 Ident No.: 0017666	82	91	95	20	680
VUHS-082-100-K20-EL103 Ident No.: 0017667	82	100	103	20	750
VUHS-085-60-K20-EL64,8 Ident No.: 0017670	85	60	64.8	20	450
VUHS-085-70-K30-EL75 Ident No.: 0017673	85	70	75	30	500
VUHS-085-75-K30-EL80 Ident No.: 0017674	85	75	80	20	570
VUHS-085-75-K12-EL80 Ident No.: 0031492	85	75	80	12	550
VUHS-085-80-K25 Ident No.: 0031218	85	80	80	25	600

## Vulkollan® // VUHS // up to 850 kg

					
lift truck rollers	wheel ø mm	wheel width mm	EL mm	axle hole ø mm	load-carrying capacity kg
VUHS-085-80-K20-EL85 Ident No.: 0017676	85	80	85	20	600
VUHS-085-80-K12-EL85 Ident No.: 0017677	85	80	85	12	600
VUHS-085-95-K20-EL100 Ident No.: 0017683	85	95	100	20	730
VUHS-085-100-K25-EL104 Ident No.: 0017685	85	100	104	25	770
VUHS-085-105-K25-EL110 Ident No.: 0017687	85	105	110	25	800
VUHS-085-110-K25-EL114,8 Ident No.: 0017688	85	110	114.8	25	850



## floors



## Features:






- EGA wheel series:
- die-cast aluminum wheel body with ball bearing
- tread surface made of elastic solid rubber, black, approx. 65° shore A

## Properties:

- high elasticity with low rolling resistance
- runs quietly
- sturdy and shock-resistant
- absorbs vibration
- also available with grey wheels
- (old designation: F3)



**“With special mounting dimensions  
for lifting trucks”**

wheels	 wheel ø mm	 wheel width mm	EL mm	 axle hole ø mm	 hub length mm	 load-carrying capacity kg
EGA-180-50-60-K20 Ident No.: 0032795	180	50	60	20	60	400
EGA-180-50-60-K25 Ident No.: 0016396	180	50	60	25	60	400
EGA-180-50-60-K20-EL53 (-0/-7) Ident No.: 0037393	180	50	53	20	60	400
EGA-180-50-60-K20-EL50 (-0/-10) Ident No.: 0036053	180	50	50	20	60	400
EGA-200-50-60-K20 Ident No.: 0037761	200	50	60	20	60	400
EGA-200-50-60-K25 Ident No.: 0016404	200	50	60	25	60	400
EGA-200-50-50-K20-EL50 (-0/-5) Ident No.: 0040011	200	50	50	20	50	400
EGA-200-50-60-K20-EL50 (-0/-5) Ident No.: 0037621	200	50	50	20	60	400
EGA-200-50-60-K20-EL50 (-0/-10) Ident No.: 0030153	200	50	50	20	60	400
EGA-200-50-60-K25-EL50 (-0/-10) Ident No.: 0030155	200	50	50	25	60	400
EGA-200-50-60-K20-EL54 (-3/-3) Ident No.: 0030152	200	50	54	20	60	400
EGA-200-50-60-K25-EL40 (-10/-10) Ident No.: 0030154	200	50	40	25	60	400
EGA-200-50-60-K20-EL53 (-0/-7) Ident No.: 0037599	200	50	53	20	60	400
EGA-200-50-60-K25-EL50 (-0/-10) Ident No.: 0030156	200	50	50	25	60	400



#### Features:




- PULA pressure rollers
- made of extra soft polyurethane (approx. 50° – 55° shore A)
- especially suited for sensitive surfaces

#### Areas of use:

- as an upper pressure roller for guiding moving workpieces
- (such as wood, paper, cardboard or glass) during various work phases.
- for use as a gentle deflector roller at rod rotating facilities
- for use as a resilient tensioning roller at film reel facilities or winding stations
- for use as a shock absorber for protecting the conveyed goods



***"Many other sizes available on request"***

pressure rollers	 wheel ø mm	 wheel width mm	 axle hole ø mm	shore A
PULA-100-45-B48 Ident No.: 0028181	100	45	48	55
PULA-100-22-B20 Ident No.: 0037402	100	22	20	55
PULA-102-22-B50,5-70A Ident No.: 0037712	102	22	50.5	70
PULA-125-30-B45 Ident No.: 0037181	125	30	45	55
PULA-165-50-B50 Ident No.: 0032318	165	50	50	55
PULA-180-65-B50 Ident No.: 0032966	180	65	50	55
PULA-200-35-B47 Ident No.: 0030839	200	35	47	55








## door rollers // grey cast iron

### door rollers








these door rollers are made from special grey cast iron with roller bearing, axle and edged groove and axle

								
door rollers	wheel ø mm	wheel width mm	hub length mm	hub length mm	inner width of groove mm	outer width of groove mm	groove depth mm	load- carrying capacity kg
318-060 Ident No.: 0011928	60	16	23	6	8	5.5	M10x50	30
318-060S Ident No.: 0011929	60	28	36	13	15	6	M14x76	100
318-075 Ident No.: 0011932	75	19	28	9	11	8	M10x54	35
318-090 Ident No.: 0011933	90	20	32	9	11	8	M10x61	50
318-105 Ident No.: 0011934	105	22	34	11	13	9	M12x67	75
318-120 Ident No.: 0011935	120	22	39	11	13	9	M12x73	100
318-140 Ident No.: 0011936	140	27	47	14	17	10	M14x83	135
318-160 Ident No.: 0011937	160	26	45	14	17	10	M14x83	175



### door rollers



these door rollers are made from special grey cast iron with roller bearing, edged groove and steel bracket, bracket galvanized

							
door rollers	wheel ø mm	wheel width mm	hub length mm	inner width of groove mm	outer width of groove mm	groove depth mm	load- carrying capacity kg
308-060 Ident No.: 0011882	60	16	23	6	8	5.5	30
308-060S Ident No.: 0011883	60	28	36	13	15	6	100
308-075 Ident No.: 0011884	75	19	28	9	11	8	35
308-090 Ident No.: 0011885	90	20	32	9	11	8	50
308-105 Ident No.: 0011886	105	22	34	11	13	9	75
308-120 Ident No.: 0011887	120	22	39	11	13	9	100
308-140 Ident No.: 0011888	140	27	47	14	17	10	135
308-160 Ident No.: 0011889	160	26	45	14	17	10	175

Matching accessories can be found on page 432

door rollers								load-carrying capacity kg
	wheel ø mm	wheel width mm	hub length mm	axle hole ø mm	inner width of groove mm	outer width of groove mm	groove depth mm	
F045-1 Ident No.: 0016339	45	29	29	8	20.4	24.1	8.5	45
F050-1 Ident No.: 0016340	50	16	16	12	10.6	13.7	8	35
F060-17KS30X19.5 Ident No.: 0016341	60	22.5	22.5		10.5	12.5	10	40
F100-1 Ident No.: 0016342	100	24	25	16	12.3	15.6	10	100
F122-1 Ident No.: 0016345	122	30	35	16	15	16	15	120

#### door rollers

these door rollers are made of polyamide, with plain bore and edged groove








## track rollers // steel - edged groove

### track rollers








the track rollers are made of galvanized steel with one ball bearing, edged groove and axle

track rollers									
CF-300-50 Ident No.: 0026858	wheel ø mm	wheel width mm	hub length mm	axle mm	inner width of groove mm	outer width of groove mm	groove depth mm	load- carrying capacity kg	
CF-300-60 Ident No.: 0026859	50	12	16	M8x30	6	6	4	70	
CF-300-80 Ident No.: 0026860	60	16.5	24	M8x45	8	8	7	100	
CF-300-100 Ident No.: 0026861	78	20	34	M14x70	8	8	8	200	
CF-300-120 Ident No.: 0039848	98	21	34	M14x70	8	8	8	220	
CF-300-140 Ident No.: 0026862	117	25	44	M16x70	16	16	10	270	
CF-300-160 Ident No.: 0026863	137	25	44	M16x70	16	16	10	290	
CF-300-200 Ident No.: 0026864	157	25	44	M16x70	16	16	10	330	

### track rollers








the track rollers are made of galvanized steel with two ball bearing, edged groove and axle

track rollers									
CF-305-100 Ident No.: 0026886	wheel ø mm	wheel width mm	hub length mm	axle mm	inner width of groove mm	outer width of groove mm	groove depth mm	load- carrying capacity kg	
CF-305-120 Ident No.: 0026866	98	28	34	M14x70	16	16	10	425	
CF-305-160 Ident No.: 0026867	117	28	34	M14x70	21	21	10	450	
CF-305-200 Ident No.: 0026868	157	31	44	M16x70	21	21	10	575	
CF-305-200 Ident No.: 0026868	197	31	44	M16x70	21	21	10	625	




### track rollers



the track rollers are made of galvanized steel with one ball bearing, edged groove and axle, can be lubricated

track rollers									
CF-320-160 Ident No.: 0026869	wheel ø mm	wheel width mm	hub length mm	axle mm	inner width of groove mm	outer width of groove mm	groove depth mm	load- carrying capacity kg	
CF-320-200 Ident No.: 0026870	157	31	44	M20x80	21	21	10	710	
CF-320-250 Ident No.: 0026871	197	31	44	M20x80	21	21	10	750	
CF-320-250 Ident No.: 0026871	247	34	54	M24x100	22	22	11	800	




## track rollers // steel - edged groove

track rollers							
	wheel ø mm	wheel width mm	hub length mm	axle mm	groove radius mm	groove depth mm	load- carrying capacity kg
CF-310-50 Ident No.: 0026872	50	12	16	M8x30	4.5	4	70
CF-310-60 Ident No.: 0026873	60	16.5	24	M8x45	4.5	4	100
CF-310-70 Ident No.: 0032777	68	20	34	M14x70	8.5	7.5	190
CF-310-80 Ident No.: 0026874	78	20	34	M14x70	8.5	7.5	200
CF-310-100 Ident No.: 0026875	98	21	34	M14x70	8.5	7.5	220
CF-310-120B Ident No.: 0038569	120	32	44	M14x79	V-groove	12	500
CF-310-140 Ident No.: 0026876	137	25	44	M16x70	8.5	9.5	270
CF-310-160 Ident No.: 0026877	157	25	44	M16x70	10.3	9.5	290
CF-310-160B Ident No.: 0033562	160	32	45	M16x81	V-Nut	10	700
CF-310-200 Ident No.: 0026878	197	25	44	M16x70	10.3	9.5	330

### track rollers

these track rollers are made of galvanized steel with one ball bearing, half round groove and axle






track rollers							
	wheel ø mm	wheel width mm	hub length mm	axle mm	groove radius mm	groove depth mm	load- carrying capacity kg
CF-315-100 Ident No.: 0026879	98	28	34	M14x70	10.5	9.5	425
CF-315-120 Ident No.: 0026880	117	28	34	M14x70	10.5	9.5	450
CF-315-160 Ident No.: 0026881	157	33	44	M16x70	11.5	9.5	575
CF-315-200 Ident No.: 0026882	197	33	44	M16x70	11.5	9.5	625

### track rollers

these track rollers are made of galvanized steel with two ball bearings, half round groove and axle



track rollers							
	wheel ø mm	wheel width mm	hub length mm	axle mm	groove radius mm	groove depth mm	load- carrying capacity kg
CF-323-160 Ident No.: 0026883	157	31	44	M20x80	11.5	9.5	710
CF-323-200 Ident No.: 0026884	197	31	44	M20x80	11.5	9.5	750
CF-323-250 Ident No.: 0026885	247	34	54	M24x100	11.5	9.5	800

### track rollers

these track rollers are made of galvanized steel with one ball bearing, half round groove and axle, can be lubricated








## track rollers // stainless steel - half round groove

### track rollers








these track rollers are made of stainless steel with one ball bearing, half round groove and axle

track rollers				axle mm	groove radius mm		
	wheel ø mm	wheel width mm	hub length mm			groove depth mm	load- carrying capacity kg
CF-310I-60 Ident No.: 0026892	60	16.5	24	M10x45	4.5	4	100
CF-310I-80S Ident No.: 0026893	78	24	34	M14x70	10.3	9.5	200
CF-310I-100S Ident No.: 0026894	98	24	34	M14x70	10.3	9.5	220
CF-310I-120 Ident No.: 0026895	117	25	34	M14x70	10.3	9.5	240
CF-310I-160 Ident No.: 0026896	157	25	44	M16x70	10.3	9.5	290
CF-310I-200 Ident No.: 0026897	197	25	44	M16x70	10.3	9.5	330

### track rollers



these track rollers are made of stainless steel with two ball bearing, half round groove and axle

track rollers				axle mm	groove radius mm		
	wheel ø mm	wheel width mm	hub length mm			groove depth mm	load- carrying capacity kg
CF-315I-100 Ident No.: 0026898	98	28	34	M14x70	10.5	9.5	425
CF-315I-120 Ident No.: 0026899	117	28	34	M14x70	10.5	9.5	450
CF-315I-140 Ident No.: 0026900	137	33	44	M16x70	11.5	9.5	550
CF-315I-160 Ident No.: 0026901	157	33	44	M16x70	11.5	9.5	575
CF-315I-200 Ident No.: 0026902	197	33	44	M16x70	11.5	9.5	625








**track rollers //** stainless steel - half round groove

## pulleys // out special grey cast - half round groove

### pulleys










these pulleys are made of special grey cast, with roller bearing, half round groove and axle

pulleys	 wheel ø mm	 wheel width mm	 hub length mm	axle mm	groove radius mm	 groove depth mm	 load- carrying capacity kg
50-075 Ident No.: 0012649	75	19	28	M10x54	5	9	35
50-090 Ident No.: 0012650	90	20	33	M10x61	5	9	50
50-105 Ident No.: 0012651	105	23	35	M12x67	6	10	75
50-120 Ident No.: 0012652	120	21.5	39	M12x75	6	10	100
50-140 Ident No.: 0012653	140	26	45	M14x83	8	11	135
50-160 Ident No.: 0012654	160	26	45	M14x83	8	11	175
50-200 Ident No.: 0012655	200	26.5	49	M16x93	8	11	250

Matching accessories can be found on page 432

## pulleys // polyamide 6 - half round groove

pulleys	      							
	wheel ø mm	wheel width mm	hub length mm	hub ø mm	axle hole ø mm	groove radius mm	groove depth mm	load-car- rying ca- pacity kg
E040-1 Ident No.: 0015933	40	13	15	16.5	6	4	4	35
E048-1 Ident No.: 0015934	48	12.5	15	16.5	8	4	4	45
E050-1 Ident No.: 0015935	50	10	11	25	15	4	5	30
E060-1 Ident No.: 0015936	60	30	18	28	12	20	11	90
E065-1 Ident No.: 0015937	65	12.5	15	16.5	8	4	4	50
E073-1 Ident No.: 0015938	73	13	17	20	10	8	4	55
E076-1 Ident No.: 0015939	76	16	17	20	11	10	4.5	75
E080-1 Ident No.: 0015940	80	22	25	30	12	12	9	140
E090-1 Ident No.: 0015941	90	18	21	21	10	5	10	130
E100-1 Ident No.: 0015942	100	12	17	30	10	3.5	8	85
E100-2 Ident No.: 0015943	100	25	28	38	15	17	12	210
E100-3 Ident No.: 0015944	100	42	27	50	20	28	16	270
E120-1 Ident No.: 0015946	120	27	32	40	15	18	16	300
E126-1 Ident No.: 0015947	126	34	42	70	30	14	12	500
E150-1 Ident No.: 0015948	150	33	42	46	20	25	20	410

### pulleys

these pulleys are made of polyamide, with plain bore and half round groove










## pulleys // polyamide - half round groove

### pulleys



these pulleys are made of polyamide, with ball bearing and half round groove








pulleys	 wheel ø mm	 wheel width mm	 hub length mm	 axle hole ø mm	 groove radius mm	 groove depth mm	 load-carrying capacity kg
SEK-040 Ident No.: 0023791	40	12.5	7	8	2.5	5	50
SEK-050 Ident No.: 0023792	50	12.5	9	10	2	6	50
SEK-065-2-SO-SET Ident No.: 0038396	65	12	8	10	4	5	137
SEK-078-1 Ident No.: 0023795	78	15	15	10	4	11	138
SEK-078-2 Ident No.: 0023796	78	18.5	18.5	15	6	6	245
SEK-080-2 Ident No.: 0023798	80	21	21	15	4	15	225
SEK-098 Ident No.: 0023799	98	20	21	10	3	9	150

## pulleys // steel - half round groove









### pulleys



these pulleys are made of steel, with ball bearing and half round groove

pulleys	 wheel ø mm	 wheel width mm	 hub length mm	 axle hole ø mm	 groove radius mm	 groove depth mm	 load-carrying capacity kg
055-030 Ident No.: 0010006	30	10	12	7.1	3	3	65
055-040 Ident No.: 0010007	40	11	12	8.1	3.5	3.5	85
055-050 Ident No.: 0010008	50	11	12	8.1	3.5	3.5	85
055-060 Ident No.: 0010009	58	13	20	10.2	3	7	100
055-080 Ident No.: 0010010	78	14	20	12.5	3	9	200
055-100 Ident No.: 0027459	98	17	22	12.5	4	9	220
055-120 Ident No.: 0027460	117	17	22	12.5	4	9	240

## pulleys // out special grey cast - half round groove

pulleys	       							
	wheel ø mm	wheel width mm	hub length mm	hub ø mm	axle hole ø mm	groove radius mm	groove depth mm	load-car- rying ca- pacity kg
FGF030 Ident No.: 0016518	30	10	11	10	4.1	3	4	15
FGF040 Ident No.: 0016519	40	11.5	12.5	10	5.1	3	4	18
FGF050 Ident No.: 0016520	50	12	13	12	5.1	3	4	22
FGF060 Ident No.: 0016521	60	12	13	19.3	5.1	4	5	22
FGF070 Ident No.: 0016522	70	13	14.5	18	5.1	4	6	22
FGF080 Ident No.: 0016523	80	16	17	18	5.1	4.25	6	22
FGF100 Ident No.: 0016524	100	24	27	21	10.1	8	11	110
FGF120 Ident No.: 0016525	120	26.5	31	34	10.1	8	11	140

### pulleys

these pulleys are made of special grey cast, with plain bore, half round groove



**Features:**

- PASB wheel series:
- flanged wheel made of polyamide 6 with plain bearing
- temperature resistance: -25° C to +90° C

**Properties:**

- excellent chemical resistance
- low rolling resistance
- affordable
- (old designation: D)

flanged wheels	bearing surface ø mm	flange ø mm	wheel width with flange mm	wheel width without flange mm	hub length mm	axle hole ø mm	load-carrying capacity kg
PASB-030-20-20-G10 Ident No.: 0015558	30	50	20	15	20	10	35
PASB-035-32-34-G16 Ident No.: 0015559	35	50	32	25	34	16	80
PASB-040-18-18-G15 Ident No.: 0015560	40	55	18	12	18	15	40
PASB-050-28-30-G16 Ident No.: 0015561	50	70	28	20	30	16	100
PASB-050-32-29-G15 Ident No.: 0015562	50	65	32	24	29	15	100
PASB-062-26-29-G16 Ident No.: 0015563	62	80	26	19	29	16	100
PASB-087-32-32-G16 Ident No.: 0015564	87	108	32	25	32	16	200
PASB-100-45-40-G20 Ident No.: 0015565	100	120	45	32	40	20	280
PASB-107-34-35-G18 Ident No.: 0015566	107	138	34	26	35	18	300
PASB-120-42-45-G38 Ident No.: 0015568	120	150	42	30	45	38	380

Matching accessories can be found on page 432

## floors



## Features:

- SPG wheel series:
- made of special grey cast iron with plain bearing
- wheel flange and running tread are cleanly overwound
- running tread to axle at approx. 3° gradient
- also available with cylindrical tread
- also available with feather key groove according to DIN 6885 for drive
- solid and sturdy construction
- (old designation: SPG)

## Note:

The coating is not a permanent coat of paint but rather a protective coating

 24 hours  
delivery


***"Many other versions are available to match your requirements"***



## flanged wheels

	flange ø mm	bearing surface ø mm	wheel width with flange mm	wheel width without flange mm	hub length mm	hub ø mm	axle hole ø mm	load-carrying capacity kg
SPG-050-32-32-G15 Ident No.: 0023920	62	50	32	26	32	50	15	400
SPG-075-40-47-G20 Ident No.: 0023921	100	75	40	30	47	62	20	700
SPG-100-46-52-G20 Ident No.: 0023922	125	100	46	36	52	62	20	800
SPG-125-46-52-G20 Ident No.: 0023923	145	125	46	36	52	62	20	900
SPG-150-46-52-G20 Ident No.: 0023924	175	150	46	36	52	62	20	1,000
SPG-180-48-52-G30 Ident No.: 0023925	210	180	48	38	52	65	30	1,200
SPG-200-57-60-G30 Ident No.: 0023926	230	200	57	40	60	87	30	1,500
SPG-250-63-70-G40 Ident No.: 0023928	300	250	63	51	70	91	40	2,000

Matching accessories can be found on page 432



## Features:

- SPG Kula wheel series:
- made of special grey cast iron with ball bearing
- wheel flange and running tread are cleanly overwound
- running tread to axle at approx. 3° gradient
- also available with cylindrical tread
- solid and sturdy construction
- (old designation: SPK)

## Note:

The coating is not a permanent coat of paint but rather a protective coating

## floors



*"Many other versions are available to match your requirements"*



## flanged wheels

	flange ø mm	bearing surface ø mm	wheel width with flange mm	wheel width without flange mm	hub length mm	hub ø mm	axle hole ø mm	load- carrying capacity kg
SPG-050-32-32-K15 Ident No.: 0023937	62	50	32	26	32	50	15	400
SPG-075-40-47-K20 Ident No.: 0023938	100	75	40	30	47	62	20	700
SPG-100-46-52-K20 Ident No.: 0023940	125	100	46	36	52	62	20	800
SPG-125-46-52-K20 Ident No.: 0023942	145	125	46	36	52	62	20	900
SPG-150-46-52-K20 Ident No.: 0023943	175	150	46	36	52	62	20	1,000
SPG-150-46-52-K20-AD162 Ident No.: 0023944	162	150	46	36	52	62	20	1,000
SPG-180-48-52-K20 Ident No.: 0023946	210	180	48	38	52	65	20	1,200
SPG-200-57-60-K25 Ident No.: 0023947	230	200	57	40	60	87	25	1,500
SPG-200-80-90-K40 Ident No.: 0023950	230	200	80	62	90	110	40	3,000
SPG-250-65-70-K30 Ident No.: 0023952	300	250	65	50	70	90	30	2,000
SPG-250-65-70-K40 Ident No.: 0023954	300	250	65	50	70	110	40	3,000

Matching accessories can be found on page 432



## floors



## Features:

- SPS wheel series:
- made of C45 steel with ball bearing
- heavy-duty design for maximum load
- running tread to axle at approx. 3° gradient
- solid and sturdy construction
- also available with feather key groove according to DIN 6885 for drive
- or with cylindrical tread
- (old designation: SPK C)



**"Highest load-carrying capacity"**



flanged wheels	flange ø mm	bearing surface ø mm	wheel width with flange mm	wheel width without flange mm	hub length mm	axle hole ø mm	load-carrying capacity kg
SPS-100-70-70-K25 Ident No.: 0039147	130	100	70	50	70	25	1,250
SPS-125-46-52-K20 Ident No.: 0033613	145	125	46	35	52	20	1,400
SPS-150-52-52-K30 Ident No.: 0023945	175	150	52	38	52	30	1,800
SPS-200-62-62-K40 Ident No.: 0023948	230	200	62	39	62	40	2,500
SPS-250-72-72-K50 Ident No.: 0023953	290	250	72	50	72	50	3,000
SPS-300-75-75-K60 Ident No.: 0023955	340	300	75	52	75	60	4,000
SPS-350-75-75-K50 Ident No.: 0034644	400	350	75	52	75	50	5,000

## cast iron // fixed castors with wheel flange wheels // up to 1,100 kg



### Features

- castor series HB/SPG:
- with SPG ball bearing wheel
- made of special grey cast iron with ball bearing
- wheel flange and running tread are cleanly overwound
- running tread to axle at approx. 3° gradient
- cylindrical tread is also available optionally

### Housing:

- heavy welded steel construction, galvanized
- (old designation: BP/SPK)

fixed castors	flange ø mm	bearing surface ø mm	wheel width with flange mm	plate size mm	hole spacing mm	hole ø mm	load-carrying capacity kg
B-HB-SPG-100-K ID: 0015385	125	100	46	135 x 110	105 x 80	11	400
B-HB-SPG-125-K ID: 0015386	145	125	46	135 x 110	105 x 80	11	500
B-HB-SPG-150-K ID: 0015387	175	150	46	135 x 110	105 x 80	11	700
B-HB-SPG-200-K ID: 0015388	230	200	57	135 x 110	105 x 80	11	1,100

## floors

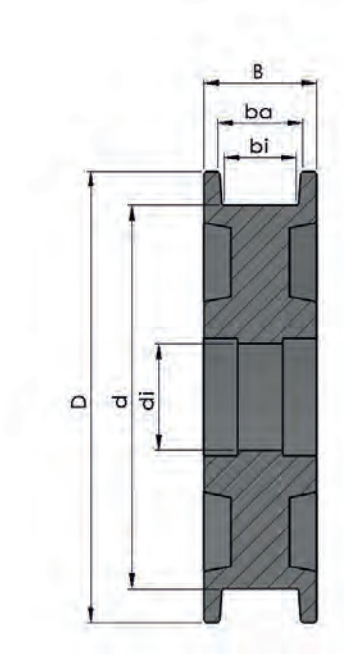


## Features:

- DSPG wheel series:
- made of special grey cast iron with ball bearing
- available versions: with angular or v-shaped groove
- also available with feather key groove according to DIN 6885 for drives
- (old designation: DSPK)



flanged wheels	flange ø mm	bearing surface ø mm	wheel width with flange mm	wheel width without flange mm	hub length mm	axle hole ø mm	load-carrying capacity kg
DSPG-120-40-40-K20-VNUT Ident No.: 0012447	120	100	40	26	40	20	650
DSPG-120-40-40-K20 Ident No.: 0015903	120	100	40	26	40	20	650
DSPG-200-50-50-K25 Ident No.: 0015904	200	170	50	34	50	25	900
DSPG-200-50-50-K25-VNUT Ident No.: 0015905	200	170	50	34	50	25	900



Features:


- DSPS wheel series:
- made of C45 steel with ball bearing
- available versions: with angular and v-shaped groove
- also available with feather key groove according to DIN 6885 for drives
- (old designation: DSPK steel)




floors



systems rails



 **"Many other sizes available on request"**

flanged wheels	  						
	d flange ø mm	d bearing surface ø mm	wheel width with flange mm	wheel width without flange mm	hub length mm	axle hole ø mm	load-carrying capacity kg
DSPS-100-40-40-K15-VNUT Ident No.: 0028300	100		40	20	40	15	600
DSPS-110-57-57-K20 Ident No.: 0035753	125	110	57	43	57	20	1,200
DSPS-106-60-60-K20 Ident No.: 0037179	150	106	60	25.5	60	20	1,200
DSPS-180-60-60-K35 Ident No.: 0038427	200	180	60	43	60	35	1,500
DSPS-200-90-90-K45-VNUT Ident No.: 0038288	200		90	60	90	45	1,500
DSPS-250-80-80-K50 Ident No.: 0036010	275	250	80	55	80	50	1,500
DSPS-250-90-90-K50 Ident No.: 0036011	275	250	90	70	90	50	1,800





# Press-on tires made from VULKOLLAN® or elastic rubber coating

Press-on tires are an inexpensive alternative to a complete wheel, since they allow you to use the existing cast iron or steel core. We offer steel-band press-on tires with cylindrical tire beads or wire mesh, divided in the conical middle or off-center, with VULKOLLAN® coating or elastic rubber coating.

A press is required to mount the cylindrical press-on tires. The press-on tires are made undersized (with fit Z9) so that they can be pressed on rims with fit h11. Due to its high load capacity and good cut resistance, VULKOLLAN® is especially well suited for drive applications, such as industrial conveyor vehicles. Solid elastic rubber dampens vibrations and is therefore recommended for use on uneven floors.

## Properties Vulkollan

- ☞ high load capacity
- ☞ cut resistance
- ☞ excellent chemical resistance
- ☞ durable and abrasion-resistant
- ☞ UV resistance

## Properties elastic-rubber

- ☞ absorbs vibration
- ☞ runs quietly
- ☞ absorbs shock

## Shore hardness

approx. 92° Shore A

## Shore hardness

approx. 65° Shore A

## Temperature range

Vulkollan can be used from -30° C to +90° C

## Temperature range

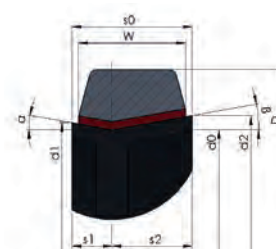
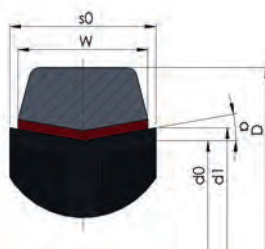
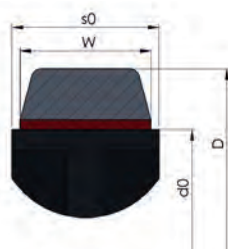
elastic-rubber can be used from -30° C to +80° C

## Foot shapes

z = cylindrical

km = conical center division

ks = conical off-center division



## areas of use // floors





## Features:

- solid rubber elastic press-on bindings EGZD-BKM:
- elastic press-on bindings, approx. 65° shore A, conical tire seat with wire mesh and flat profile

## Properties:

- absorbs vibration
- runs quietly
- absorbs shock
- (old designation: EBK)

## floors



**"Many other sizes available on request"**

press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
EGZD-125-50-B75-BKM Ident No.: 0032233	125	50	75	160
EGZD-150-50-B100-BKM Ident No.: 0015978	150	50	100	225
EGZD-160-50-B100-BKM Ident No.: 0015979	160	50	100	250
EGZD-200-50-B140-BKM Ident No.: 0015981	200	50	140	350
EGZD-200-75-B100-BKM Ident No.: 0015982	200	75	100	500
EGZD-200-85-B105-BKM Ident No.: 0015983	200	85	105	550
EGZD-250-60-B190-BKM Ident No.: 0040126	250	60	190	525
EGZD-250-75-B140-BKM Ident No.: 0038369	250	75	140	625
EGZD-250-75-B170-BKM Ident No.: 0030988	250	75	170	625
EGZD-300-50-B220-BKM Ident No.: 0035607	300	50	220	550
EGZD-300-75-B220-BKM Ident No.: 0015986	300	75	220	725
EGZD-360-60-B270-BKM Ident No.: 0015990	360	60	270	750
EGZD-360-85-B270-BKM Ident No.: 0015991	360	85	270	1.050
EGZD-400-75-B305-BKM Ident No.: 0015992	400	75	305	1,000



## floors



## Features:

- solid rubber elastic press-on bindings EGZD:
- elastic press-on bindings, approx. 65° Shore A, cylindrical tire seat with wire mesh and flat profile

## Properties:

- absorbs vibration
- runs quietly
- absorbs shock
- (old designation: EBZ DG)



*"Cylindrical with wire-mesh"*

press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
EGZD-125-50-B75 Ident No.: 0015993	125	50	75	160
EGZD-180-50-B120 Ident No.: 0034796	180	50	120	325
EGZD-180-75-B120 Ident No.: 0015998	180	75	120	475
EGZD-200-60-B150 Ident No.: 0016000	200	60	150	425
EGZD-200-75-B100 Ident No.: 0031505	200	75	100	500
EGZD-230-85-B170 Ident No.: 0033069	230	85	170	525
EGZD-250-60-B170 Ident No.: 0031845	250	60	170	550
EGZD-250-60-B190 Ident No.: 0036745	250	60	190	550
EGZD-250-75-B140 Ident No.: 0016006	250	75	140	625
EGZD-265-160-B160 Ident No.: 0016010	265	160	160	1,150
EGZD-300-75-B220 Ident No.: 0016013	300	75	220	725
EGZD-300-85-B170 Ident No.: 0016015	300	85	170	800
EGZD-300-90-B203 Ident No.: 0016016	300	90	203	900
EGZD-300-100-B203 Ident No.: 0035216	300	100	203	975
EGZD-360-60-B270 Ident No.: 0039312	360	60	270	750
EGZD-360-75-B270 Ident No.: 0035464	360	75	270	950

We also manufacture matching steel cores according to your specifications



press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
EGZD-360-85-B270 Ident No.: 0033860	360	85	270	1,050
EGZD-400-75-B305 Ident No.: 0031140	400	75	305	1,000
EGZD-405-130-B305 Ident No.: 0034518	405	130	305	1,500
EGZD-455-100-B305 Ident No.: 0037815	455	100	305	1,400
EGZD-500-85-B370 Ident No.: 0016026	500	85	370	1,300
EGZD-560-100-B410 Ident No.: 0016031	560	100	410	1,600

We also manufacture matching steel cores according to your specifications

## floors



## Features:

- solid rubber elastic press-on bindings EGZS:
- elastic press-on bindings, approx. 65° Shore A, cylindrical tire seat with steel band

## Properties:

- absorbs vibration
- runs quietly
- absorbs shock
- (old designation: EBZ steel)



*"Cylindrical on steel band; many other dimensions available on request"*

press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
EGZS-125-50-B75 Ident No.: 0015994	125	50	75	130
EGZS-150-50-B100 Ident No.: 0015995	150	50	100	225
EGZS-150-75-B100 Ident No.: 0034364	150	75	100	225
EGZS-160-50-B100 Ident No.: 0015996	160	50	100	225
EGZS-180-50-B120 Ident No.: 0015997	180	50	120	325
EGZS-200-50-B140 Ident No.: 0015999	200	50	140	350
EGZS-200-75-B100 Ident No.: 0016001	200	75	100	500
EGZS-200-85-B105 Ident No.: 0016002	200	85	105	550
EGZS-220-60-B160 Ident No.: 0033487	220	60	160	450
EGZS-230-50-B170 Ident No.: 0036081	230	50	170	400
EGZS-230-75-B170 Ident No.: 0016004	230	75	170	625
EGZS-250-60-B190 Ident No.: 0016005	250	60	190	525
EGZS-250-75-B140 Ident No.: 0031588	250	75	140	625
EGZS-250-80-B170 Ident No.: 0016007	250	80	170	675
EGZS-250-130-B140 Ident No.: 0016008	250	130	140	975
EGZS-285-75-B220 Ident No.: 0016012	285	75	220	725

We also manufacture matching steel cores according to your specifications



press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
EGZS-300-75-B220 Ident No.: 0036221	300	75	220	750
EGZS-300-75-B240 Ident No.: 0016014	300	75	240	700
EGZS-300-85-B170 Ident No.: 0037784	300	85	170	800
EGZS-360-60-B270 Ident No.: 0016019	360	60	270	750
EGZS-400-65-B305 Ident No.: 0034234	400	65	305	900
EGZS-405-65-B305 Ident No.: 0016021	405	65	305	900
EGZS-405-130-B305 Ident No.: 0016022	405	130	305	1,500
EGZS-415-75-B305 Ident No.: 0037798	415	75	305	1,000
EGZS-415-90-B305 Ident No.: 0016023	415	90	305	1,150
EGZS-415-100-B305 Ident No.: 0016024	415	100	305	1,250
EGZS-425-150-B305 Ident No.: 0016025	425	150	305	1,910
EGZS-450-120-B300 Ident No.: 0037860	450	120	300	1,525
EGZS-500-65-B410 Ident No.: 0032960	500	65	410	1,100
EGZS-500-85-B370 Ident No.: 0033900	500	85	370	1,300
EGZS-500-140-B370 Ident No.: 0016027	500	140	370	1,875
EGZS-540-200-B410 Ident No.: 0031700	540	200	410	3,270
EGZS-550-120-B410 Ident No.: 0031701	550	120	410	1,875
EGZS-550-160-B410 Ident No.: 0016030	550	160	410	2,250
EGZS-610-150-B410 Ident No.: 0016033	610	150	410	2,250
EGZS-620-200-B410 Ident No.: 0016034	620	200	410	3,000



*"Elastic solid rubber, cylindrical  
on steel band"*

**We also manufacture matching steel cores according to your specifications**

## floors



## Features:

- Vulkollan® press-on binding VUZD-BKM:
- Vulkollan® press-on bindings, approx. 92° Shore A, conical tire seat with wire mesh and flat profile

## Properties:

- high load capacity
- cut resistance
- excellent chemical resistance
- durable and abrasion-resistant
- UV resistance
- (old designation: VBK)



*"Conical with wire mesh; many other dimensions available on request"*

press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
VUZD-125-050-B75-BKM Ident No.: 0026594	125	50	75	540
VUZD-150-050-B100-BKM Ident No.: 0026595	150	50	100	640
VUZD-160-050-B100-BKM Ident No.: 0026596	160	50	100	680
VUZD-160-075-B100-BKM Ident No.: 0026597	160	75	100	950
VUZD-180-050-B120-BKM Ident No.: 0026598	180	50	120	760
VUZD-180-100-B105-BKM Ident No.: 0026599	180	100	105	1,520
VUZD-200-075-B100-BKM Ident No.: 0026601	200	75	100	1,260
VUZD-200-085-B105-BKM Ident No.: 0026604	200	85	105	1,260
VUZD-250-060-B170-BKM Ident No.: 0039024	250	60	170	1,260
VUZD-300-100-B203-BKM Ident No.: 0032395	300	100	203	2,100
VUZD-310-075-B200-BKM Ident No.: 0026607	310	75	200	1,860





## Features:

- Vulkollan® press-on bindings VUZS:
- Vulkollan® press-on bindings, approx. 92° Shore A, cylindrical tire seat with steel band

## Properties:

- high load capacity
- cut resistance
- excellent chemical resistance
- durable and abrasion-resistant
- UV resistance
- (old designation: VBZ)

## floors



**"Vulkollan® on steel band; many other dimensions available on request"**

press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
VUZS-100-032-B75 Ident No.: 0013276	100	32	75	280
VUZS-100-035-B55 Ident No.: 0038375	100	35	55	350
VUZS-100-040-B75 Ident No.: 0034380	100	40	75	370
VUZS-110-050-B75 Ident No.: 0031997	110	50	75	450
VUZS-100-070-B55 Ident No.: 0034946	100	70	55	600
VUZS-125-040-B75 Ident No.: 0013277	125	40	75	415
VUZS-125-050-B75 Ident No.: 0014628	125	50	75	520
VUZS-150-040-B100 Ident No.: 0015223	150	40	100	500
VUZS-150-050-B100 Ident No.: 0016062	150	50	100	620
VUZS-150-065-B100 Ident No.: 0036394	150	65	100	825
VUZS-150-075-B80 Ident No.: 0023403	150	75	80	780
VUZS-150-075-B100 Ident No.: 0032488	150	75	100	960
VUZS-150-100-B85 Ident No.: 0016112	150	100	85	1,260
VUZS-150-130-B100 Ident No.: 0016113	150	130	100	1,615
VUZS-160-050-B100 Ident No.: 0016476	160	50	100	640
VUZS-180-050-B120 Ident No.: 0017471	180	50	120	720

**We also manufacture matching steel cores according to your specifications**



press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
VUZS-180-075-B120 Ident No.: 0026508	180	75	120	1,100
VUZS-180-100-B105 Ident No.: 0035822	180	100	105	1,520
VUZS-200-060-B150 Ident No.: 0015853	200	60	150	995
VUZS-200-075-B100 Ident No.: 0015855	200	75	100	1,260
VUZS-200-080-B120 Ident No.: 0015856	200	80	120	1,400
VUZS-200-085-B105 Ident No.: 0016130	200	85	105	1,440
VUZS-200-105-B120 Ident No.: 0016131	200	105	120	1,780
VUZS-210-070-B120 Ident No.: 0036147	210	70	120	1,150
VUZS-220-060-B160 Ident No.: 0016132	220	60	160	1,210
VUZS-230-050-B170 Ident No.: 0036098	230	50	170	980
VUZS-230-075-B170 Ident No.: 0016133	230	75	170	1,460
VUZS-230-085-B145 Ident No.: 0016134	230	85	145	1,450
VUZS-250-050-B190 Ident No.: 0016135	250	50	190	1,060
VUZS-250-060-B190 Ident No.: 0016136	250	60	190	1,260
VUZS-250-075-B140 Ident No.: 0033901	250	75	140	1,300
VUZS-250-080-B170 Ident No.: 0016137	250	80	170	1,680
VUZS-250-080-B200 Ident No.: 0016138	250	80	200	1,830
VUZS-250-100-B170 Ident No.: 0034947	250	100	170	2,100
VUZS-250-105-B170 Ident No.: 0016139	250	105	170	1,965
VUZS-250-130-B140 Ident No.: 0016140	250	130	140	2,740
VUZS-254-127-B165 Ident No.: 0031672	254	127	165	2,720
VUZS-260-085-B170 Ident No.: 0016142	260	85	170	1,860
VUZS-260-105-B170 Ident No.: 0016144	260	105	170	1,860
VUZS-280-075-B170 Ident No.: 0016146	280	75	170	1,600
VUZS-285-100-B200 Ident No.: 0016148	285	100	200	2,400
VUZS-285-100-B228 Ident No.: 0033712	285	100	228	2,400
VUZS-300-050-B240 Ident No.: 0016151	300	50	240	1,260
VUZS-300-075-B240 Ident No.: 0032090	300	75	240	1,850

We also manufacture matching steel cores according to your specifications



press-on tires	outer ø mm	width mm	inner ø mm	load-carrying capacity kg
VUZS-300-090-B203 Ident No.: 0016152	300	90	203	2,160
VUZS-300-100-B203 Ident No.: 0016153	300	100	203	2,400
VUZS-300-100-B230 Ident No.: 0033213	300	100	230	2,700
VUZS-300-140-B230 Ident No.: 0016154	300	140	230	2.650
VUZS-313-130-B203 Ident No.: 0016156	313	130	230	2,800
VUZS-330-127-B254 Ident No.: 0016159	330	127	254	3.350
VUZS-350-090-B280 Ident No.: 0035082	350	90	280	2,600
VUZS-400-100-B305 Ident No.: 0016164	400	100	305	3,000
VUZS-400-130-B290 Ident No.: 0033255	400	130	290	3,600
VUZS-405-130-B305 Ident No.: 0031418	405	130	305	4,200
VUZS-500-085-B370 Ident No.: 0032092	500	85	370	3,000
VUZS-500-085-B410 Ident No.: 0033680	500	85	410	3,300
VUZS-500-120-B410 Ident No.: 0031533	500	120	410	4,650
VUZS-750-045-B640 Ident No.: 0033289	750	45	640	3,090



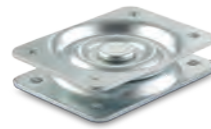
***“Vulkollan® on steel band; many other dimensions available on request”***

**We also manufacture matching steel cores according to your specifications**





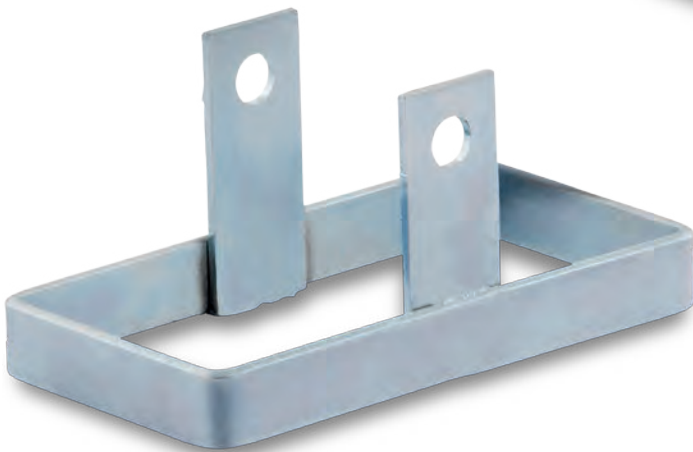
## ACCESSORIES AND MOUNTING PRODUCTS



ACCESSORIES TYPE	end caps	axes axles axle guides	mounting thrust	ball bearing	fender wheels	foot protection
VERSION	inner with spring steel, which is clamped on the axle	round steel axle in $\varnothing$ 20 mm, $\varnothing$ 25 mm and axle guide as connector to the frame	steel screw-on bolt, plastic expander, round or square	consisting of two screw-on plates, with single-row or double-row ball bearing	various sizes are available	can be delivered as galvanized bracket around the entire roller or as an elastic rubber element
USAGE	for terminating the axles and for securing the wheel	for fastening the wheel sets	for fastening or bolt hole castors on round or square tubes	in furniture and industry for performing simple rotary movements	used in conjunction with bolt hole castors as edge or corner protection	screwed onto the wheel axles for crash protection
MATERIAL	plastic, steel, stainless steel	steel, malleable cast iron	steel, plastic	steel sheet, malleable cast iron	made of soft plastic core with a hard RAL 7038	flat steel sheath, version with coil spring, rubber foot protection
PAGES	436	436	437	439	440	440



	ball bearing	adjusting collars	mounting plates
	closed on one side (z/rs) or on both sides, (2rs/ZZ) one side protruding zv), stainless steel, resistant to high temperatures	adjusting collars with set screw	plate sizes 135 x 110 mm and 105 x 80 mm, various material thickness
	for installation in wheels with ball bearing seats for easier running movement	axle attachment for up to 25 mm axles	adapter plate, height compensation or for welding as a mounting plate
	steel, stainless steel	steel	steel
	441	438	439



## Accessories and mounting products

Torwegge offers a wide and versatile range of accessories. We provide mounting components, fastening parts and components related to occupational safety.

### Our accessories and mounting products include:

- ☞ axles
- ☞ axle guides
- ☞ adjusting collars
- ☞ starlock caps
- ☞ thrust ball bearings
- ☞ deep-groove ball bearings
- ☞ various fastening pins and expanders
- ☞ foot protection components
- ☞ mounting plates
- ☞ and much more

*Individual housings for castors and rollers are also available for order.*

## axle guides



Axle guides made of special malleable cast iron, for mounting wheel sets with round axles, painted axle guides

axle guides	axle hole ø mm	plate size mm	axle center to support surface	hole spacing mm	hole ø mm
H-950-20 Ident No.: 0016710	20	80 x 34	14	52	12
H-950-25 Ident No.: 0016711	25	92 x 40	22	64	12
H-950-30 Ident No.: 0016712	30	90 x 40	22	64	12

## round bar steel axles

The axles are made from S235 JR bright steel.

All wheels having a corresponding hole can be mounted as wheel sets.



round bar steel axles	outer ø mm	total length mm	axle material
A20X0500 Ident No.: 0033673	20	500	steel
A20X0800 Ident No.: 0014793	20	800	steel
A20X1000 Ident No.: 0014791	20	1,000	steel
A20X1200 Ident No.: 0014792	20	1,200	steel
A25X0910 Ident No.: 0014804	25	910	steel
A25X1000 Ident No.: 0014796	25	1,000	steel
A25X1100 Ident No.: 0014797	25	1,100	steel
A25X1200 Ident No.: 0014798	25	1,200	steel
A25X1300 Ident No.: 0014799	25	1,300	steel
A25X1,400 Ident No.: 0014800	25	1,400	steel

## starlock caps

Starlock caps are end caps.

A steel spring mechanism is used to jam the cap on the axle; this prevents the wheel from coming off.

Starlock caps are also available in stainless steel or in a pure spring ring version. Please ask for product quantity details.



starlock caps	inner ø mm	outer ø mm	width mm	material
STARLOCKA20KU-ROT Ident No.: 0024199	20	42	12	plastic red
STARLOCKA20KU-SCHW Ident No.: 0024200	20	42	12	plastic black
STARLOCKA20 Ident No.: 0025128	20	38,3	20	chrome
STARLOCKA25 Ident No.: 0024201	25	43	13	chrome

**bolt with perpendicular hole**



<b>bolts</b>	<b>bolt ø mm</b>	<b>bolt length mm</b>	<b>bolt thread</b>	<b>perpendicular hole vmm</b>	<b>thread cross-hole</b>
BEF.AZ-R18 Ident No.: 0015232	18	45	M10	yes	M8
BEF.AZ-R19 Ident No.: 0015233	19	45	M10	yes	M8
BEF.AZ-R20 Ident No.: 0015234	20	45	M10	yes	M8
BEF.AZ-R21 Ident No.: 0015235	21	45	M10	yes	M8
BEF.AZ-R22 Ident No.: 0015236	22	45	M10	yes	M8
BEF.AZ-R23 Ident No.: 0015237	23	45	M10	yes	M8
BEF.AZ-R24 Ident No.: 0015238	24	45	M10	yes	M8
BEF.AZ-R25 Ident No.: 0015239	25	45	M10	yes	M8
BEF.AZ-R26 Ident No.: 0015240	26	45	M10	yes	M8
BEF.AZ-R27 Ident No.: 0015241	27	45	M10	yes	M8
BEF.AZ-R28 Ident No.: 0015242	28	45	M10	yes	M8
BEF.AZ-R29 Ident No.: 0015243	29	45	M10	yes	M8
ZAPFEN 20X50 INCL. SCHR. M12x30+FE Ident No.: 0017753	20	50	M12	no	
ZAPFEN 27X60 INCL. SCHR. M12x30+FE Ident No.: 0017754	27	60	M12	no	

## accessories // expansion sleeve

### round expansion sleeve



round expansion fastener, made from: polyamide expansion sleeve and socket head screw (m10x60mm)

expansion sleeve	expander dimensions mm	expander profile
BEF.4-R18-20-SET Ident No.: 0038251	18-20	round
BEF.4-R21-23-SET Ident No.: 0038252	21-23	round
T-BEF.R07-21.5-24 Ident No.: 0024280	21.5-24	round
BEF.4-R24-27-SET Ident No.: 0038253	24-27	round
BEF.4-R28-31-SET Ident No.: 0038214	28-31	round

### square expansion sleeve



square expansion fastener, made from: polyamide expansion sleeve and socket head screw (m10x60mm)

expansion sleeve	expander dimensions mm	expander profile
BEF.4-V18-20-SET Ident No.: 0038379	18-20	square
BEF.4-V21-23-SET Ident No.: 0038215	21-23	square
BEF.4-V24-27-SET Ident No.: 0038216	24-27	square
BEF.4-V28-31-SET Ident No.: 0038380	28-31	square
BEF.4-V29.6-32.7 Ident No.: 0015213	29.6-32.7	square
BEF.4-V34.6-37-SET Ident No.: 0038293	34.6-37	square

## accessories // adjusting collars

### adjusting collars



the adjusting collars can be attached to the axle using a set screw

adjusting collars	inner ø mm	outer ø mm	width mm	material
A8-DIN705-black Ident No.: 0031541	8	16	8	steel S235 JR blank
A10-DIN705-black Ident No.: 0029097	10	20	10	steel S235 JR blank
A20 Ident No.: 0014790	20	32	14	steel S235 JR blank
A25 Ident No.: 0014795	25	40	16	steel S235 JR blank
A30 Ident No.: 0014805	30	45	16	steel S235 JR blank



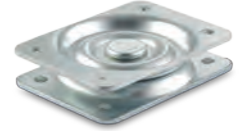
thrust ball bearing
197-057x057 Ident No.: 0011383
197-095x070 Ident No.: 0011384

plate length mm	plate width mm	screw hole spacing, length mm	screw hole spacing, width mm	hole ø mm	height mm	load- carrying capacity kg
57	57	43	43	6.5	10.5	50
95	70	75	45	6.5	19	280



#### thrust ball bearing, series 197

single ball bearing,  
galvanized



thrust ball bearing
198-115x085 Ident No.: 0011387
198-138x109 Ident No.: 0011388

plate length mm	plate width mm	screw hole spacing, length mm	screw hole spacing, width mm	hole ø mm	height mm	load- carrying capacity kg
115	85	80	55	9	19	250
138	109	105	75	10.5	26	600



#### thrust ball bearing, series 198

two-row ball  
bearing, without  
center pin, with 3  
mounting holes  
IGM12



thrust ball bearing
199-225X145 Ident No.: 0011389

plate length mm	plate width mm	screw hole spacing, length mm	screw hole spacing, width mm	hole ø mm	height mm	load- carrying capacity kg
225	145	185	105	12	43	1,500



#### thrust ball bearing, series 199

slewing ring made  
from malleable cast  
iron, Steel ball collar  
with protection  
against dust and  
splashed water



## accessories // mounting plates

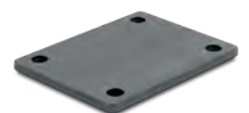
mounting plates
Plate-105X80x5 Ident No.: 0033228
Plate-135X110x5 Ident No.: 0033229

plate size mm	hole spacing mm	hole ø mm	plate strength mm
105 x 80	80 x 60	9	5
135 x 110	105 x 80	11	5



#### mounting plates

made of S235JR+AR,  
bright steel







## accessories // deflector rollers and foot protection

### deflector rollers

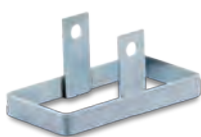





with hard plastic core and soft plastic coating, in RAL 7038 (grey)

can be used for:  
protecting the edges  
of furniture and beds

deflector rollers	 wheel ø mm	 wheel width mm	 axle hole ø mm	 hub length mm
ABR-060-10,6 Ident No.: 0014815	60	24	10,6	24
ABR-075-15.5 Ident No.: 0014817	75	23	15.5	23
ABR-100-10,6 Ident No.: 0014818	100	24	10,6	24
ABR-100-12.5 Ident No.: 0014819	100	24	12.5	24
ABR-100-15.5 Ident No.: 0014820	100	23	15.5	23
ABR-100-22.4 Ident No.: 0014821	100	20	22.4	20
ABR-100-25,4 Ident No.: 0014822	100	20	25.4	20
ABR-100-33,0 Ident No.: 0014823	100	20	33	20
ABR-125-10,6 Ident No.: 0014824	125	24	10,6	24
ABR-125-12.5 Ident No.: 0014825	125	24	12.5	24
ABR-150-22.4 Ident No.: 0014826	150	24	22.4	24
ABR-150-25,4 Ident No.: 0014827	150	24	25.4	24

### foot protection



foot protection	 wheel ø mm	 wheel width mm	 axle hole ø mm
Foot protection-125-IG Ident No.: 0038298	125	40	12.5
Foot protection-150-IG Ident No.: 0036004	150	50	12.5
Foot protection-160-IS Ident No.: 0029094	160	40	12
foot protection-160-IS-BOCK Ident No.: 0037778	160	40	12
foot protection-200-IM Ident No.: 0038529	200	50	12,3
foot protection-200-IM-BOCK Ident No.: 0038528	200	50	12,3
foot protection-IG-IH-200-GU Ident No.: 0081954	200	50	12.1
Foot protection-250-IG Ident No.: 0037634	250	60	12

ball bearing	outer ø mm	width mm	inner ø mm	ball bearing seal	
KULA-608ZZ-ABEC-3 Ident No.: 0014091	22	7	8	ZZ	ZZ: double-sided disk cover plate with gap seal, for max. 150° C Z: single-sided disk cover plate
KULA-6001ZZ Ident No.: 0016114	28	8	12	ZZ	
KULA-6004-2RS Ident No.: 0017526	42	12	20	2RS	
KULA-6303-2RS Ident No.: 0036747	47	14	17	2RS	
KULA-6204ZZ Ident No.: 0017549	47	14	20	ZZ	2RS: double-sided closed disk cover plate, with rubber seal, for max. 120° C  ZV: single-sided disk cover plate with gap seal and extended inner ring on one side, for max. 150° C
KULA-6204-2RS Ident No.: 0017545	47	14	20	2RS	
KULA-6005ZZ Ident No.: 0017532	47	12	25	ZZ	
KULA-6005-2RS Ident No.: 0017529	47	12	25	2RS	
KULA-6005ZV Ident No.: 0017531	47	12	25	ZV	conducting stainless steel
KULA-6006ZZ Ident No.: 0017533	55	13	30	ZZ	
KULA-6007-ZZ Ident No.: 0017534	62	14	35	ZZ	
NKULA-6000-2RS-NIRO Ident No.: 0032469	26	8	10	2RS	
NKULA-6001-2RS-NIRO Ident No.: 0019431	28	8	12	2RS	
NKULA-6002-2RS-NIRO Ident No.: 0014337	32	9	15	2RS	
NKULA-6201-2RS-NIRO Ident No.: 0028281	32	10	12	2RS	
NKULA-6202-2RS-NIRO Ident No.: 0019820	35	11	15	2RS	
NKULA-6303-2RS Ident No.: 0038716	47	14	17	2RS	
NKULA-6004-2RS-NIRO Ident No.: 0028282	42	12	20	2RS	
NKULA-6005-2RS-NIRO Ident No.: 0028192	47	12	25	2RS	
NKULA-6204-2RS-NIRO Ident No.: 0019821	47	14	20	2RS	
NKULA-6304-2RS-NIRO Ident No.: 0028280	52	15	20	2RS	
NKULA-6205-2RS-NIRO Ident No.: 0030816	52	15	25	2RS	
NKULA-6305-2RS-NIRO Ident No.: 0031607	62	17	25	2RS	



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product // **theme**

Conveyor systems – We increase your success!

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**448**

Carrier rollers

**470**

Roller conveyors

**560**

Belt conveyor

**604**

Roller tracks

**608**

Pull-out extension

**NEW**

**668**

Ball transfer

**670**

Slewing rings and rotary joints

**688**

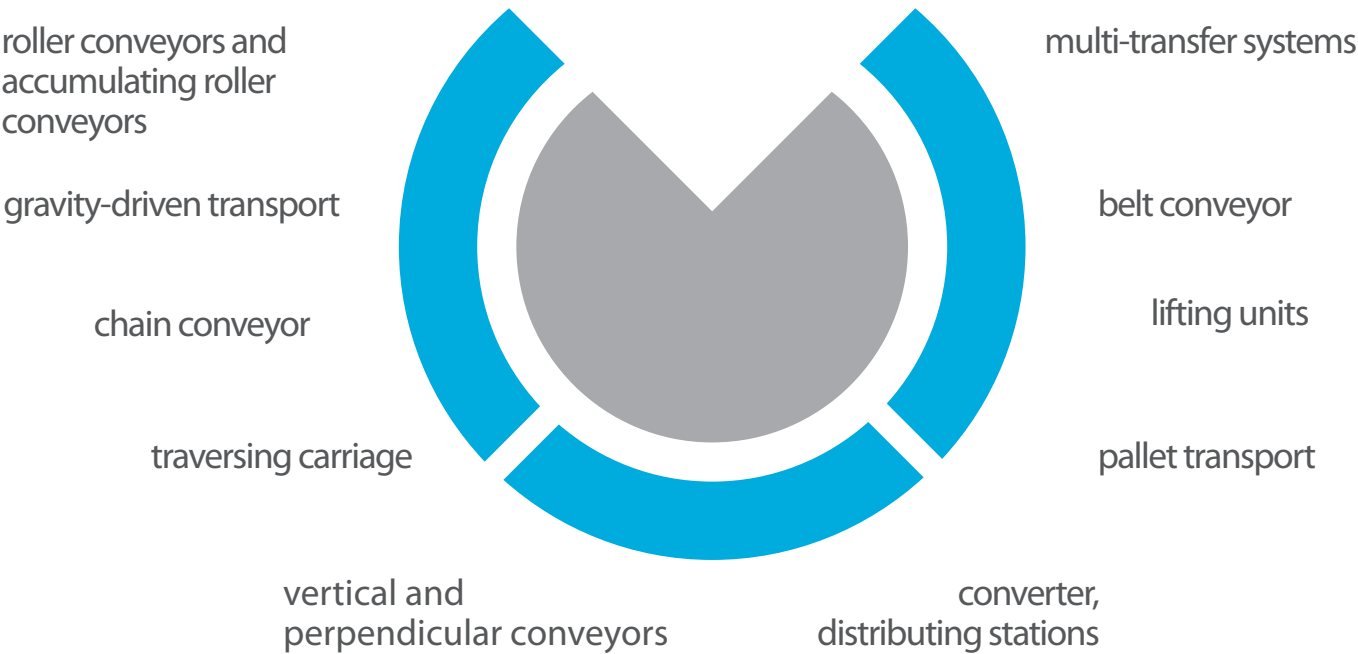
Lifting tables

**698**



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## Conveyor systems – We promote your success!

Our experienced team can design customized material handling systems that provide you with a decisive edge over your competitors. Your existing operational work flows are analyzed and then optimized with our customized conveyor systems. The focus at each phase of the project planning is on delivering benefit and profit to you.

We design from our many individual components a tailored conveyor system that is perfectly customized to your needs and your goals. Our solutions are as diverse as your requirements:

### for special industries and sectors:

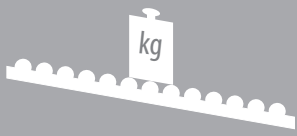
- 🔗 steel processing industry
- 🔗 automotive industry
- 🔗 logistics industry
- 🔗 machine building and engineering
- 🔗 furniture industry
- 🔗 chemical and drug industry
- 🔗 food industry
- 🔗 beverage logistics

We have already successfully completed many projects and look forward to designing solutions to new challenges together with you.



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# GRAVITY- DRIVEN TRANSPORT



material handling system



roller conveyor with side guide



We work with our customers to develop tailored gravity-drive conveyor systems for the following sectors:

- production
- incoming goods and materials
- warehouse with picking
- shipping

We take into account your special environmental factors (e.g. freezer temperatures). We deliver solutions for transporting and handling lightweight products, such as cardboard boxes.

We also design systems for heavier goods, which can move safely and gently on our gravity-driven roller conveyors.

The transportation is powered using gravity (a gradient) or using a manual slide track. The required slope is between 1 – 5%, depending on the nature and weight of the goods.

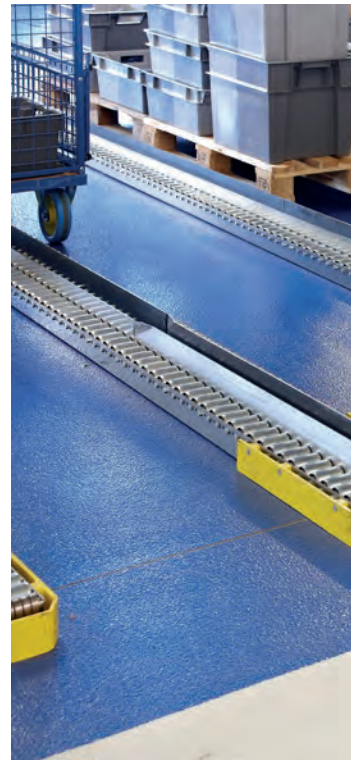
We design complete, operational systems from a wide variety of components and modules that are individually tailored to meet your requirements.



shelf with roller rails



# PALLETTRANSPORT



FIFO application example





detailed view of the position side



Our extensive product line for transporting pallets and lattice crates can deliver the optimal cost-effective solution for your application.

We work together with you to pick the best fit for your requirements (e.g. pallet roller tracks or roller conveyors). An efficient complete system specifically tailored to provide the best solution for your needs – can easily be assembled from our many individual components.

You will benefit from our many years of experience in the pallet transport sector.



detailed view: side guide with deposit centering













# MULTI-TRANSFER- SYSTEM



multi-transfer-system



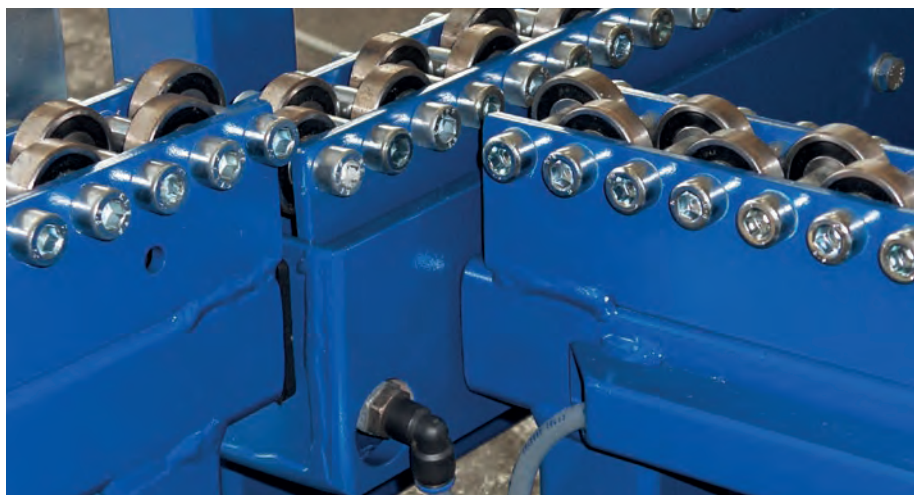
detailed view: side guide with deposit centering



Transport containers with sub-optimal bases (such as lattice crates) can be integrated into a logistics system using our reliable MTS multi-transfer system.

We use minimized roller spacing and high load-carrying capabilities to carry heavy loads on very small support points.

You'll leave nothing to chance when you rely on our complete solution for you – custom designed for your requirements. Take advantage of our in-depth experience and benefit from our assessment of your operating conditions and influencing factors (including the suitability of using roller conveyors for your goods).

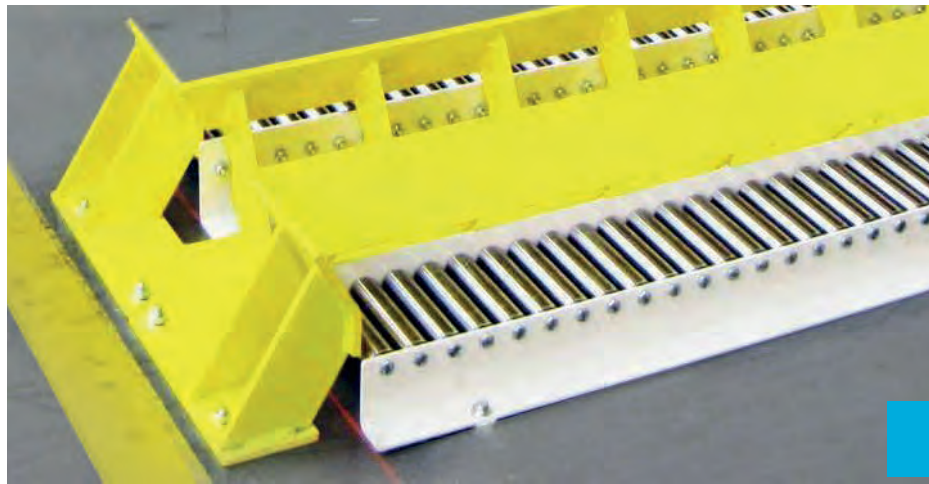


detailed view of the pneumatics

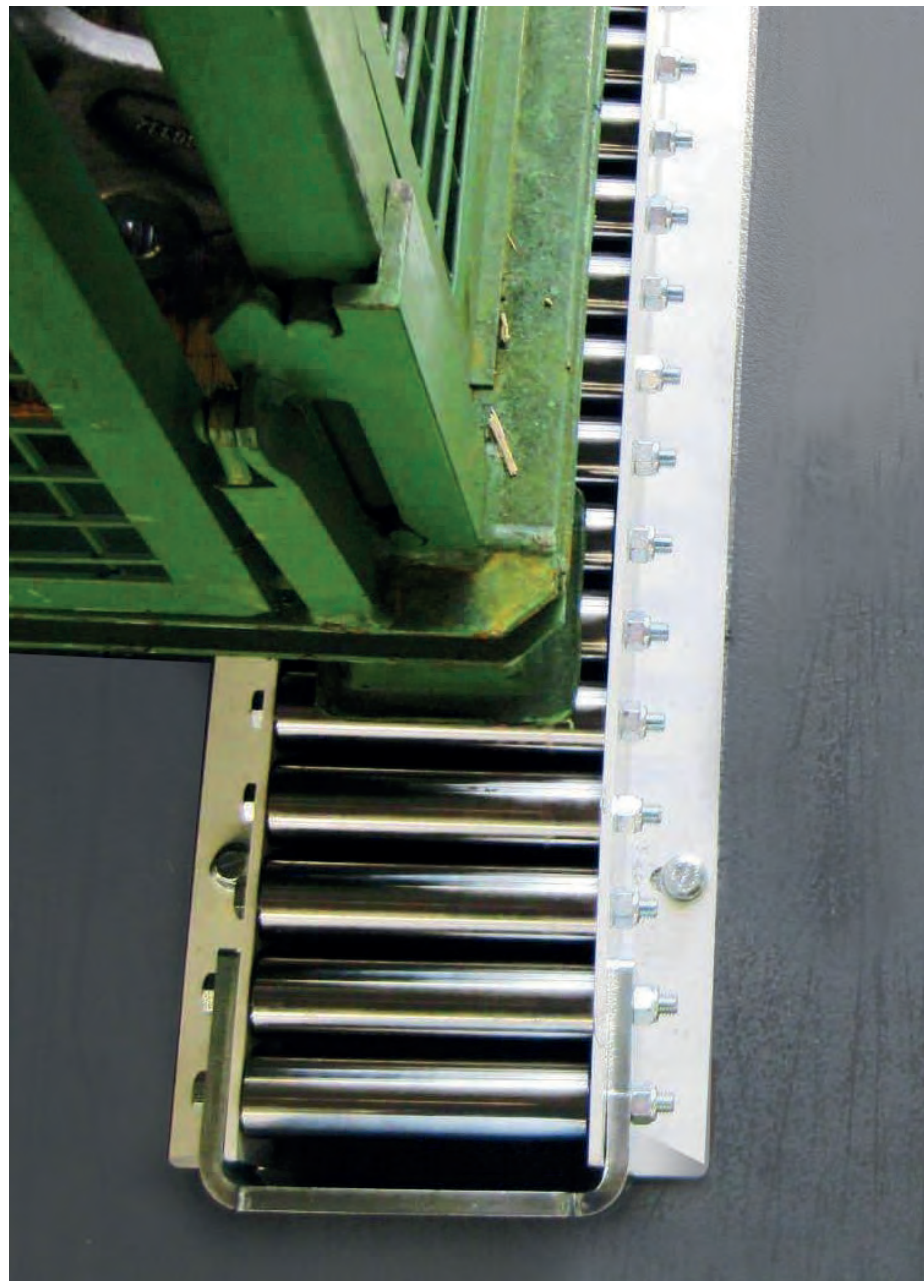




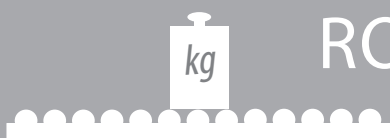




detailed view of the position side



detailed view of the MTS with heavy-duty rollers



# ROLLER CONVEYORS



lifting-turning station





roller conveyor with angular transfer



We will find the proper components for your power-driven conveyor requirements:

- 🌀 roller conveyors with flat belt drives
- 🌀 roller conveyors with chain wheel drives
- 🌀 roller conveyors with v-ribbed belt drives
- 🌀 zero-pressure roller conveyors
- 🌀 roller conveyors with round belt drives
- 🌀 curved roller conveyor sections
- 🌀 drive belt conveyors
- 🌀 lifting accumulator chain conveyors
- 🌀 and much more



roller conveyor with 90° curve









perpendicular conveyor with bridge and enclosure



perpendicular conveyor

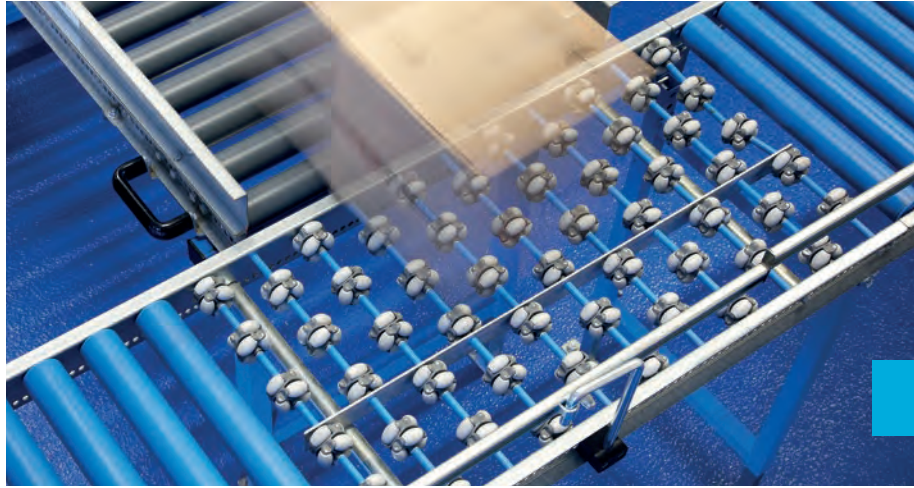


## DISTRIBUTING STATION, CONVERTER

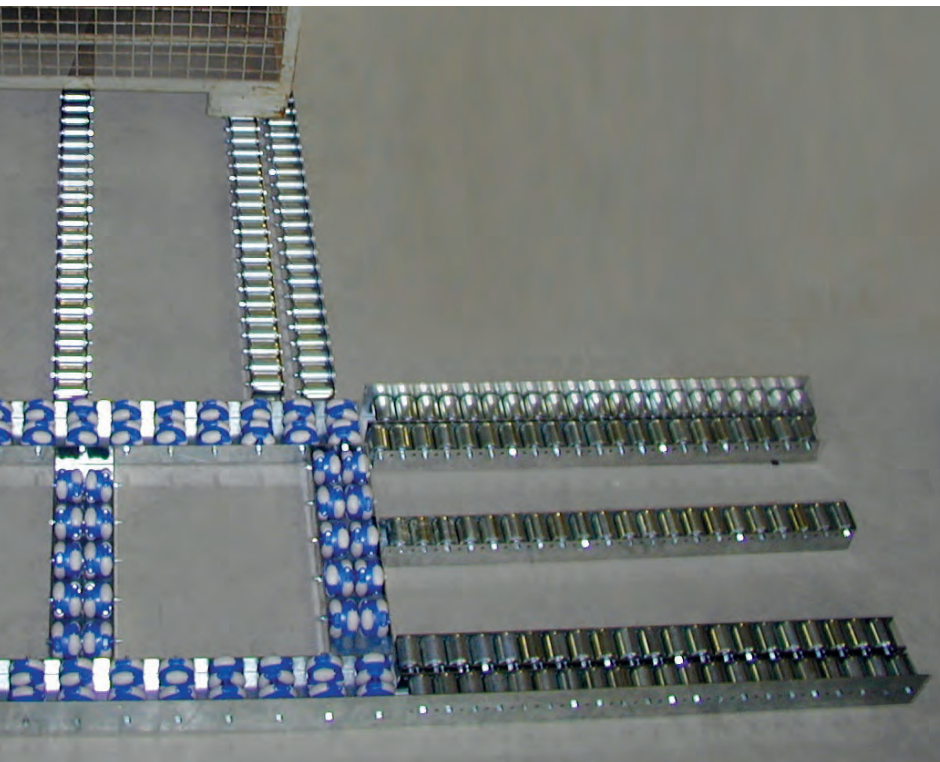


multi-directional roller  
tracks for transporting  
around corners





multi-directional wheel conveyor



Multi-directional roller tracks for transporting around corners, converters and distributing stations are important parts of a material transportation system. They are helpful wherever conveyed items must be turned in different directions, sorted and transported.

Whether its an automatic pusher, a belt-driven lifting converter, or a manual pushing unit: we will find the best solution for practically all your applications!



rotary table with power-driven roller conveyor

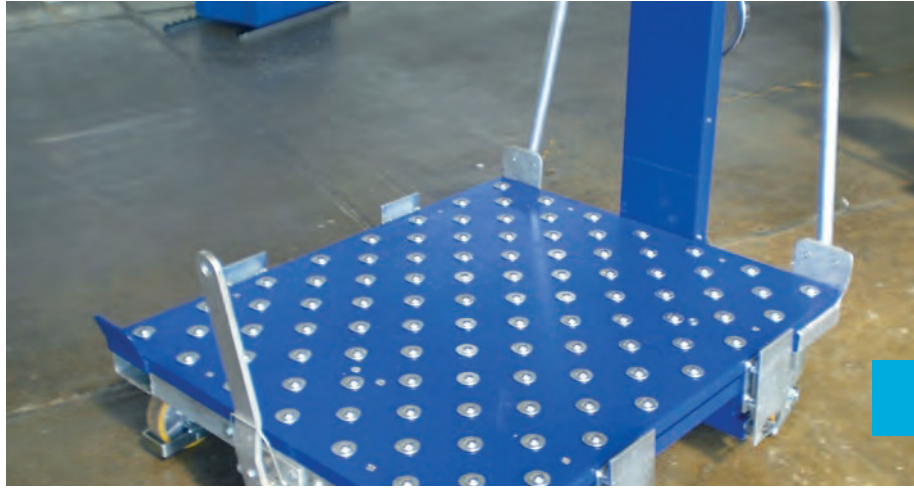


# TRANSFER CARRIAGES

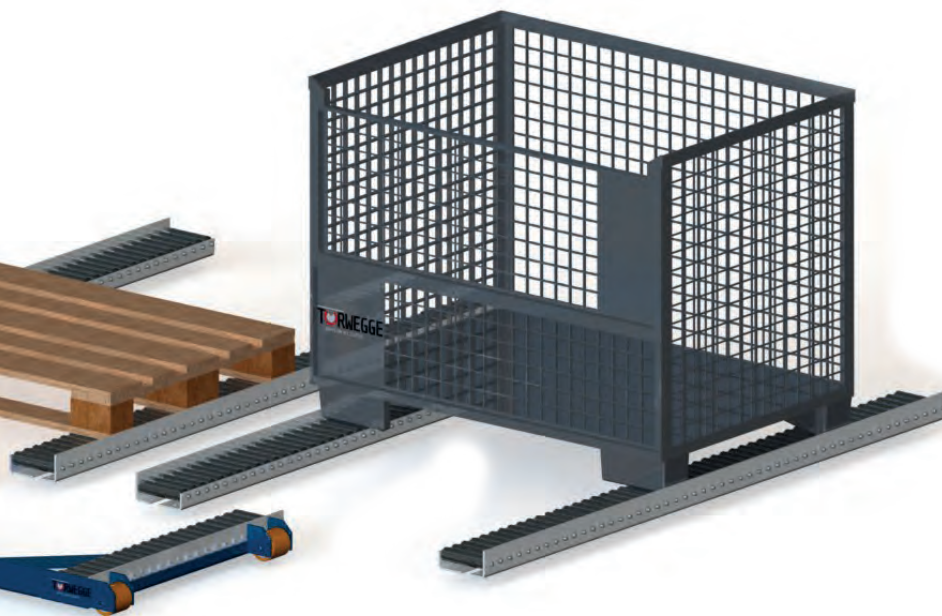


CAD model





transfer carriages with ball transfer units



Our transfer carriages function in automatic mode but can also be moved manually.

They can be used to move a wide variety of conveyor goods easily either in parallel or transversely to the roller conveyor.

Especially designed for your requirements: including versions with rotating and swiveling functionality, forklift sections, integrated angular transfer or lifting function for storage and retrieval of goods from different levels.



power-driven transverse sliding carriages



# LIFTING UNITS



lifting units





heavy-duty lifting table



Particularly when used in larger facilities, lifting units are important aids for internal transportation and materials management. Now more than ever, productivity in the workplace demands an emphasis on ergonomics and safety.

Various solutions for lifting, tilting and turning loads all help to relieve workers and to increase their productivity.

Functionality, security, stability and ease of use are the key priorities during the planning phase. In addition to our standard units, we also offer an extensive range of custom modules that are specifically designed to meet your needs.

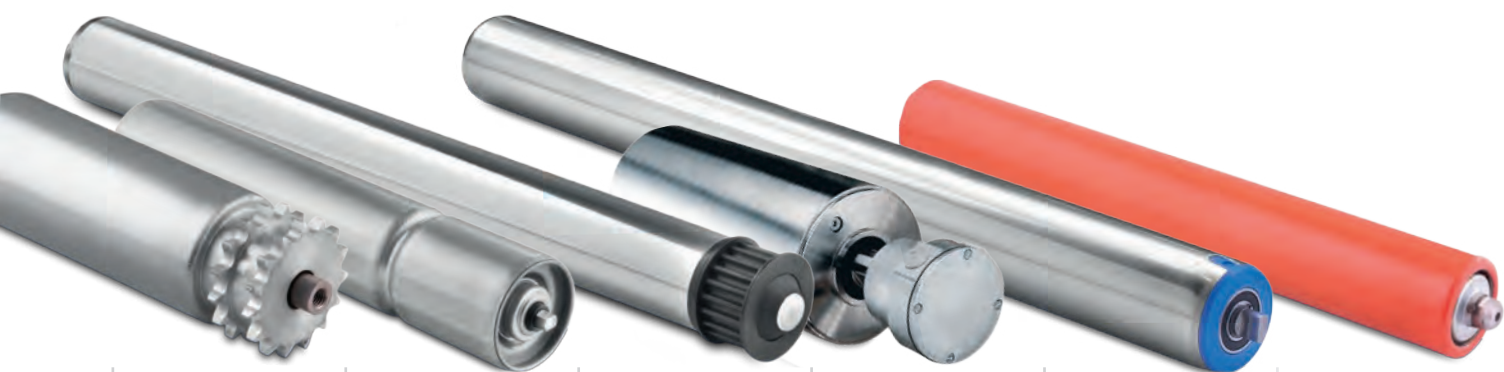


# CARRIER ROLLERS



SERIES	plastic bearing cover	steel bearing cover	welded bearing	welded bearing	single chain wheel	
LOAD CAPACITY	10 kg - 240 kg	60 kg - 400 kg	400 kg - 560 kg	10 kg - 80 kg	30 kg - 350 kg	
DIAMETER	16 mm - 108 mm	20 mm - 108 mm	63.5 mm - 159 mm	30 mm - 120 mm	30 mm - 120 mm	
STARTING FROM PAGE	478	490	496	500	506	





	double chain wheel	round belt drive	toothed belt drive	drum motor	brake carrier roller	bearing-supported carrier rollers and accessories
	30 kg - 350 kg	240 kg - 400 kg	40 kg - 100 kg	-	pallet weight up to 1,400 kg	-
	50 mm - 133 mm	50 mm - 88.9 mm	50 mm - 90 mm	60 mm - 415 mm	80 mm	-
	518	536	538	544	546	550

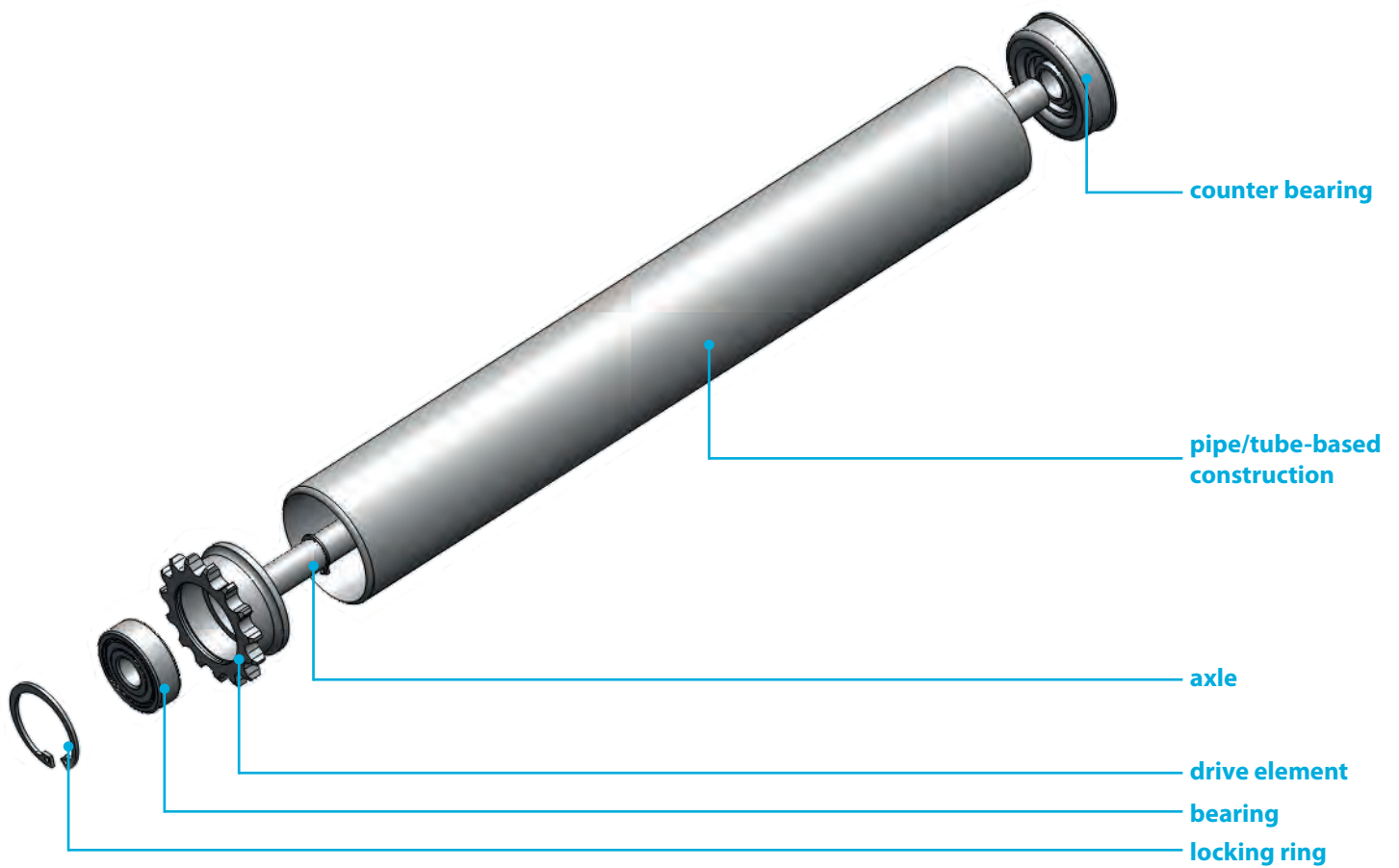
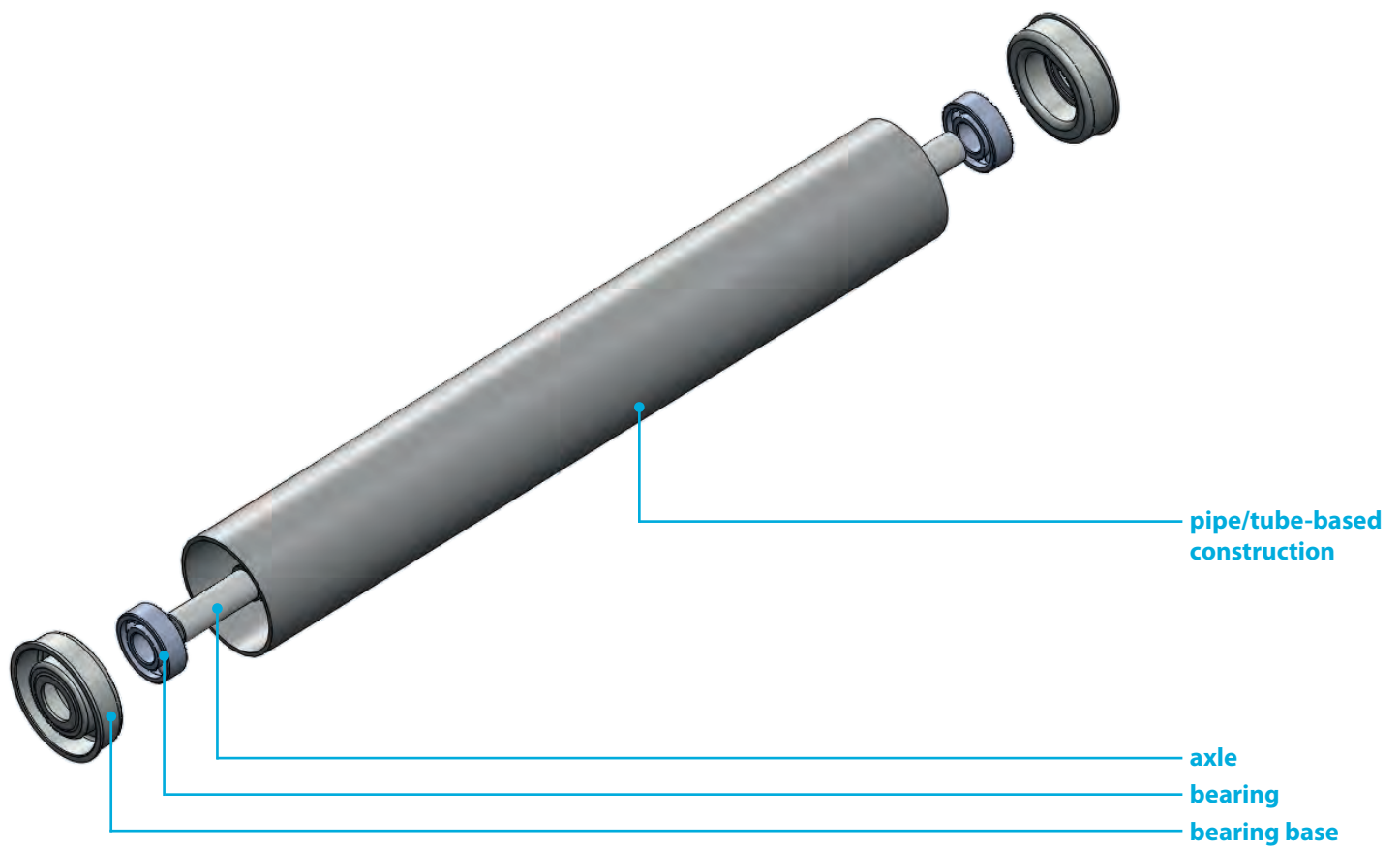


*"We custom manufacture our carrier rollers for your applications"*



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# General information about carrier rollers

## Guide for selecting your carrier rollers

### 1. The following specifications must be defined before selecting the carrier rollers:

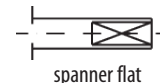
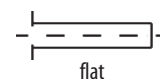
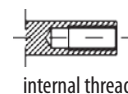
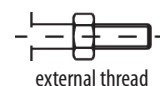
- 🔗 description of application
- 🔗 goods being conveyed (l x w x h)
- 🔗 weight (distributed load, point load)
- 🔗 environmental factors (e.g. humidity, temperature, dust)
- 🔗 gravity-driven or power-driven carrier roller
- 🔗 conveying velocity
- 🔗 electrostatic charge

### 2. Selecting the carrier rollers:

- 🔗 material of the carrier rollers
- 🔗 diameter of the tube and the axle
- 🔗 model / type of bearing
- 🔗 type of mounting / type of axle end
- 🔗 type and design of drive  
(fixed drive, accumulating drive)
- 🔗 installation length (EL)
- 🔗 available accessories
- 🔗 available coatings
- 🔗 optional special construction

### INFO

#### Axle finishing process



## Key information about type and design of drive

### Functionality of an accumulating conveyor roller

There is no solid connection between the drive element and the roller body. The constant drive force is implemented using only the friction within a slide bushing located between these two components. When the conveyed goods accumulate in a position, the roller body stops and the drive component continues to run. Once the stop function is re-activated, all rollers start to turn and the conveyed goods resume movement.

Caution:

The take-along force depends on the goods being conveyed and their weight (coefficient of friction: 5-7% of the weight of the conveyed goods), the support points and any lubricants in use.

### Pre-tensioning the round belt

The tension-mounted round belt provides the drive power for the rollers. The initial tension on the round belt is -10% of the center distance between the center drive shaft and carrier roller axle.

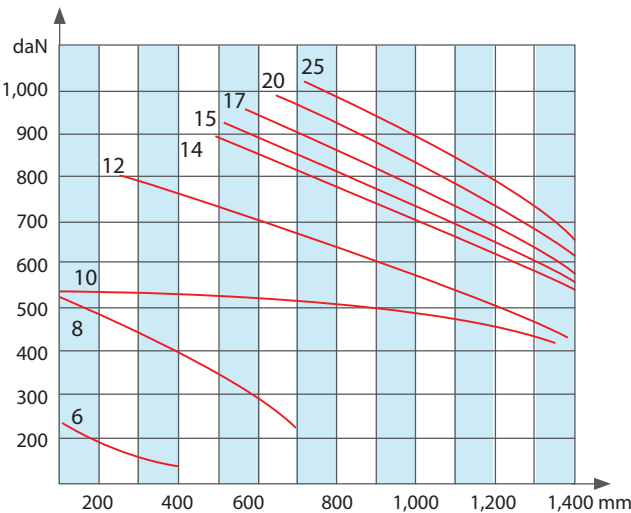
In addition: You should take into account that a static charge on the rollers can occur when non-electrically conductive bearing bases are used. This could then lead to a discharge spark between the roller and the frame.

# Maximum permissible **static surface** load on the tubes

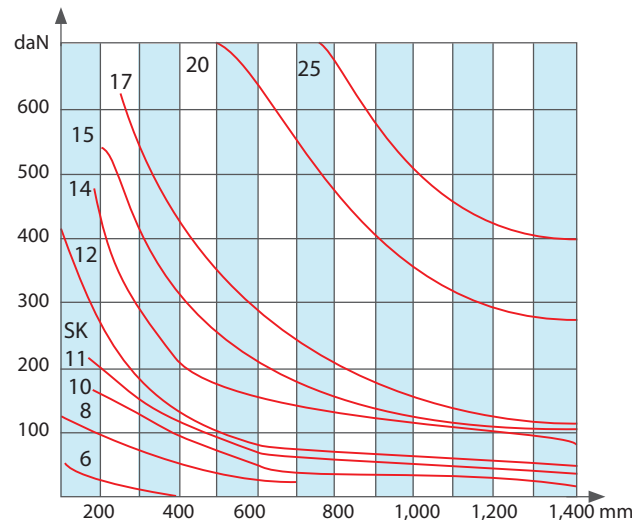
The design of a carrier roller is determined by three components: the bearing insert, the tube and the axle. The load capacity depends on the load limit of the particular component. The weakest component thus defines the load-carrying capacity.

## Static load on the axles

with clamped support

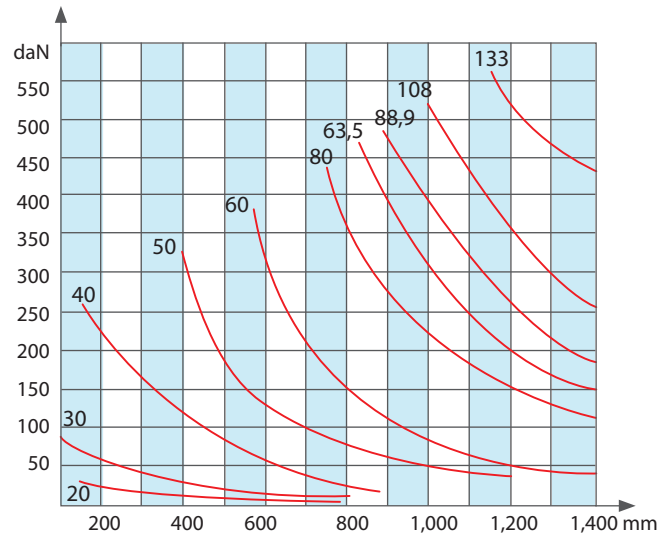


with loose support

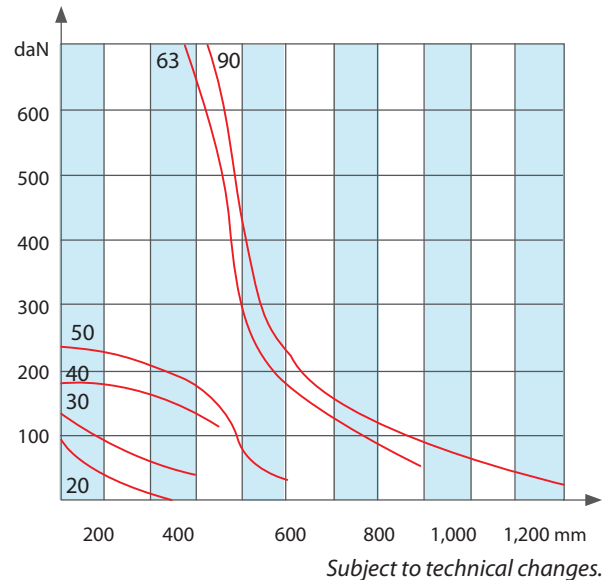


## Static surface load of the tubes

steel tube



plastic tube



Subject to technical changes.

## Coatings

### STB // PU Baytec® / natural

- rotation casting method: 73° – 92° shore A
- temperature resistance: -20° C / +80° C
- good resistance to general weather conditions as well as oils and greases; high abrasion resistance

### STP // PVC cover tubing

- soft PVC, approx. 63° shore A
- RAL 7001, silver grey
- temperature resistance: -10° C / +60° C
- coating thickness: 2/3/5 mm, depending on tube diameter

### STG // rubber / black

- glued and sanded, 65° shore A
- coating thickness: 3 – 12 mm
- 65° shore A
- temperature resistance: -20° C / +90° C
- good resistance to normal weather conditions, resistance to oil and grease, good wear resistance

Type NBR 65° shore A, type NBR mini-diamond 8 – 12 mm, NBR (nitrile rubber, trade name: perbunan N)

### Special natural rubber

- hardness: adjustable from approx. 50° to 95° shore A
- temperature resistance: -40° C / +290° C
- decomposition occurs at temperatures above 350° C
- excellent resistance to oils, fuels, lubricants, solvents and mineral acids
- natural rubber does not age or weather

### PUR-Vulkollan®

- glued and sanded
- coating thickness: 5 mm
- 65° shore A hardness
- temperature resistance: -25° C / +90° C
- very good resistance to general weather conditions, very good wear resistance/high abrasion resistance

### PVC-shrink tubing

- PVC approx. 94° shore A
- RAL 7001, silver grey
- temperature resistance: -20° C / +85° C
- coating thickness: 1.5 mm
- for tube diameters: 50/60/80 mm

### PUR-RIM/expanded PU, black

- casting compound: approx. 100° shore A
- temperature resistance: -20° C / +110° C
- good resistance to normal weather conditions as well as oils and greases
- high impact strength and abrasion resistance

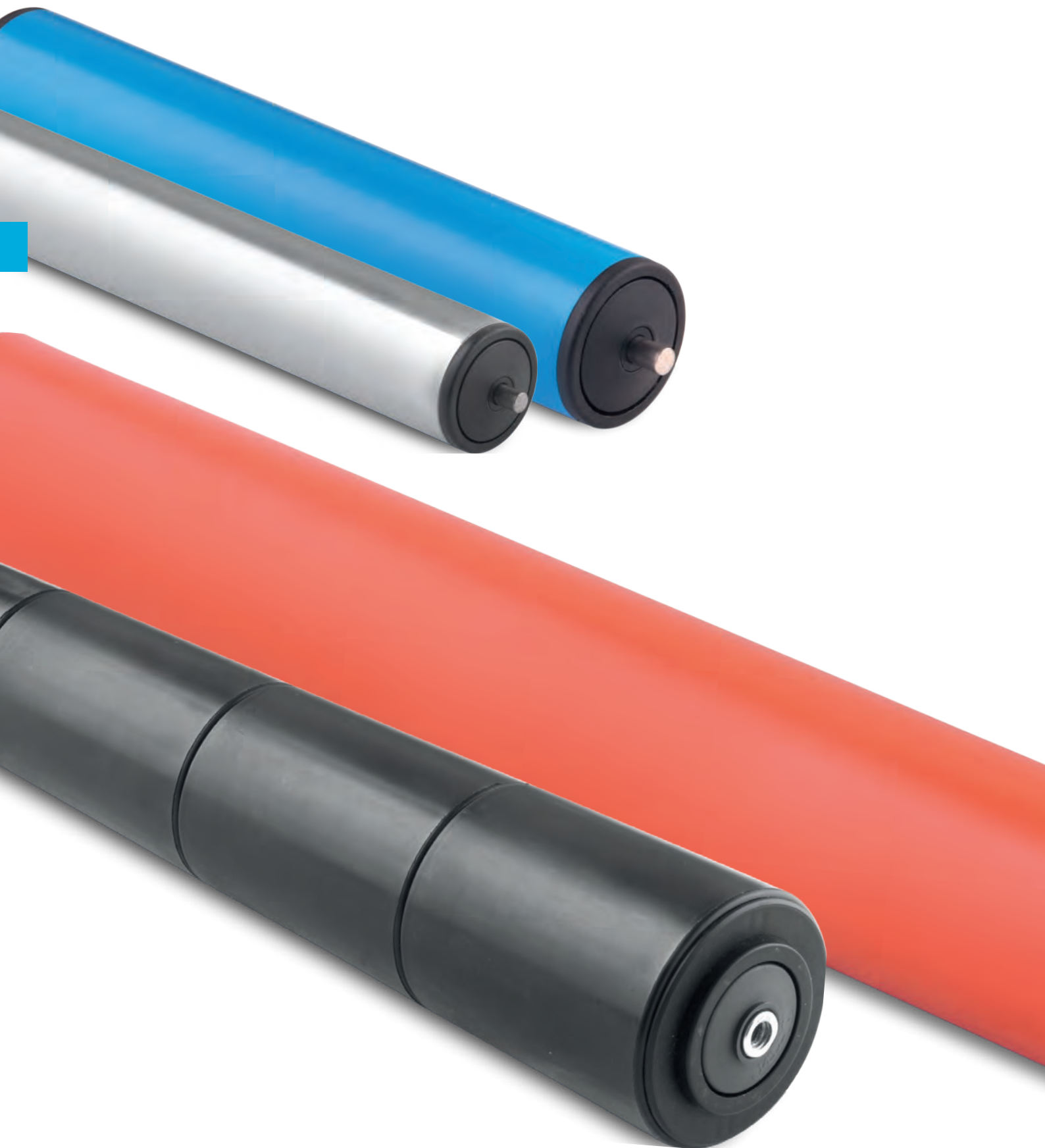
PUR-RIM (polyurethane, trade name: Büficast 83 – 51, Oldorim)

### STF // Seamless felt coatings for highly sensitive surfaces

- cut-resistant
- high wear-resistance
- temperature resistance: 80° C = 8 days, 120° C = 2 hours
- thickness: from 4 mm
- properties: absorbs liquids, squeezes off, is evenly distributed on surfaces, resists sticking of paste-like materials
- felt tubing can be ordered individually for retrofitting

Designations	Surface
ST	bright steel tube
STI	galvanized steel tube
STL	painted steel tube
STG	rubberized steel tube
STP	steel tube with PVC cover tubing
STF	steel tube with felt tubing

Designations	Surface
STB	steel tube with PU Baytec
KB	blue plastic tube
KGH	grey plastic tube
AL	aluminum tube
N	stainless steel tube



## A width variety of **gravity-driven carrier rollers**

Our gravity-driven carrier rollers are conveyor components that provide the most efficient and gentle method for transporting various goods through passive-driven conveyor systems. These carrier rollers are manufactured according to your specifications to fit your application.

### Versions

- various tube diameters, bearing types and axle end finishes
- bearing seals: RS for usage in wet areas or ZZ for dusty areas
- tubes available in plastic, bright steel, galvanized, stainless steel or aluminum
- wide selection of coatings

### Properties

- for conveying lightweight to very heavy goods of all types and sizes
- load capacity: max. 500 kg/roller in the standard range
- long service life
- various axle-end variants provide for versatile and simple installation options

### Areas of use

- automotive industry
- food industry
- logistics
- storage/warehouses
- furniture industry
- machine and plant engineering
- assembly lines
- conveyor belts
- indoor or outdoor; dry or wet applications
- and much more

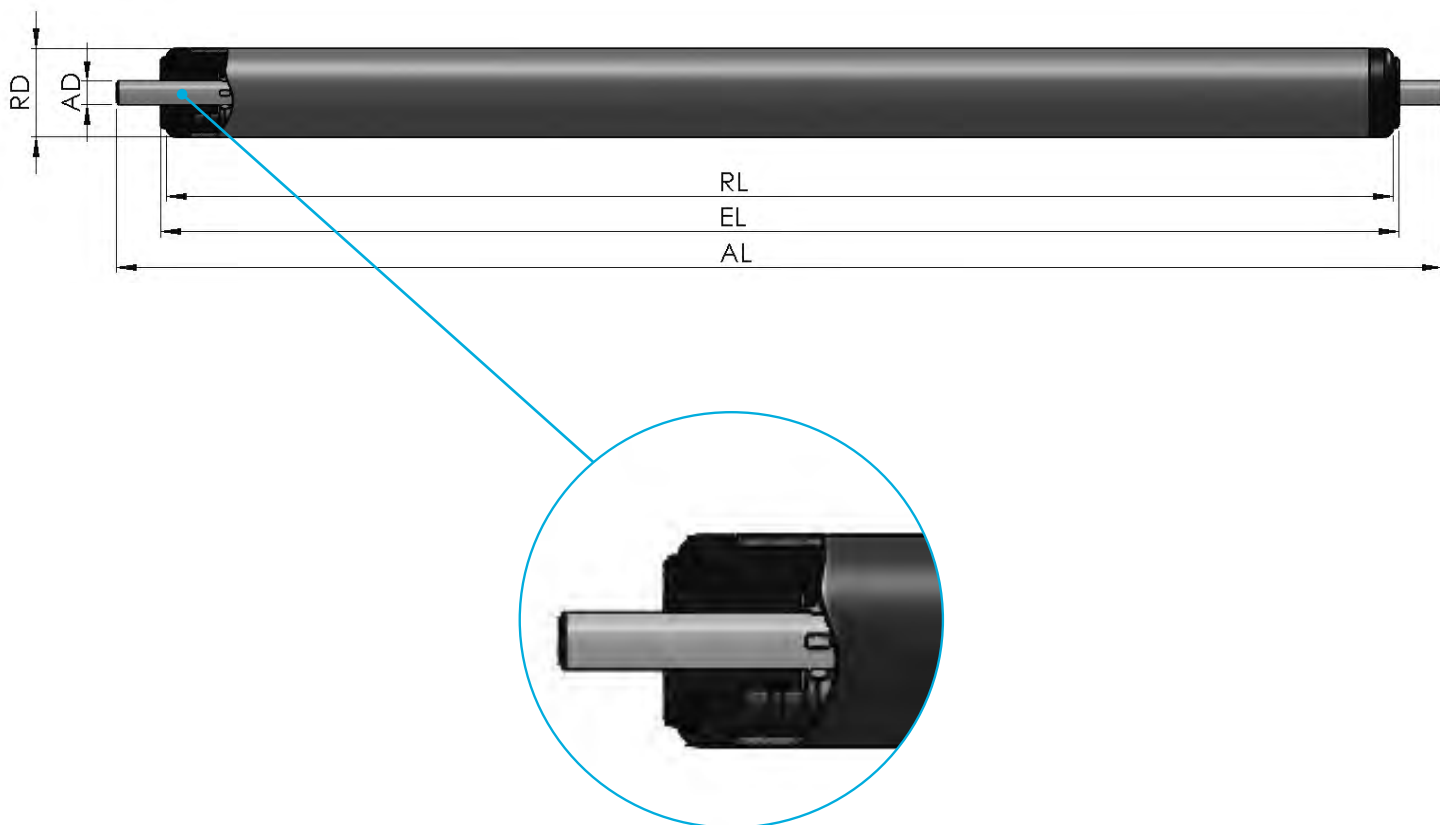


***"We also offer custom solutions –  
just ask for more details"***





## gravity-driven carrier rollers // up to 15 kg



### KUT50/KUT50N

#### Areas of use:

- for conveying small, lightweight products on a non-gravity-driven roller conveyor for use in dry, dust-free environments (KUT50) or in damp, dust-free environments (KUT50N)

#### Bearing:

- KUT50 thermoplastic base with steel balls in a single row
- KUT50N thermoplastic base with stainless steel balls in a single row

#### Properties:

- light-running
- gentle on your product
- temperature range: -5 to +40° C
- speed: 0.3 m/s
- low weight
- quiet
- load capacity: max. 15 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:



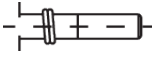
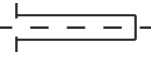
- variety of coatings are available
- tube and axle made from stainless steel



## Combination

tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU
16 x 1	5 / 6	x	x					
20 x 1.5	6 / 8	x	x		x	x	x	x
30 x 1	6 / 8 / 10	x	x	x	x			
30 x 1.5	6 / 8 / 10	x	x	x				
30 x 1.8	6 / 8 / 10					x	x	
40 x 1.5	6 / 8 / 10	x	x	x	x			
40 x 2.3	6 / 8 / 10					x	x	

## Axle type

tube-Ø mm	axle-Ø mm	el=	 external thread	 internal thread	 spring axle	 flat
16	5	RL +			3	3
16	6	RL +	13		3	3
20 / 30 / 40	6	RL +	15	5	5	5
20 / 30 / 40	8	RL +	18	5	5	5
30 / 40	10	RL +	15	5	5	5

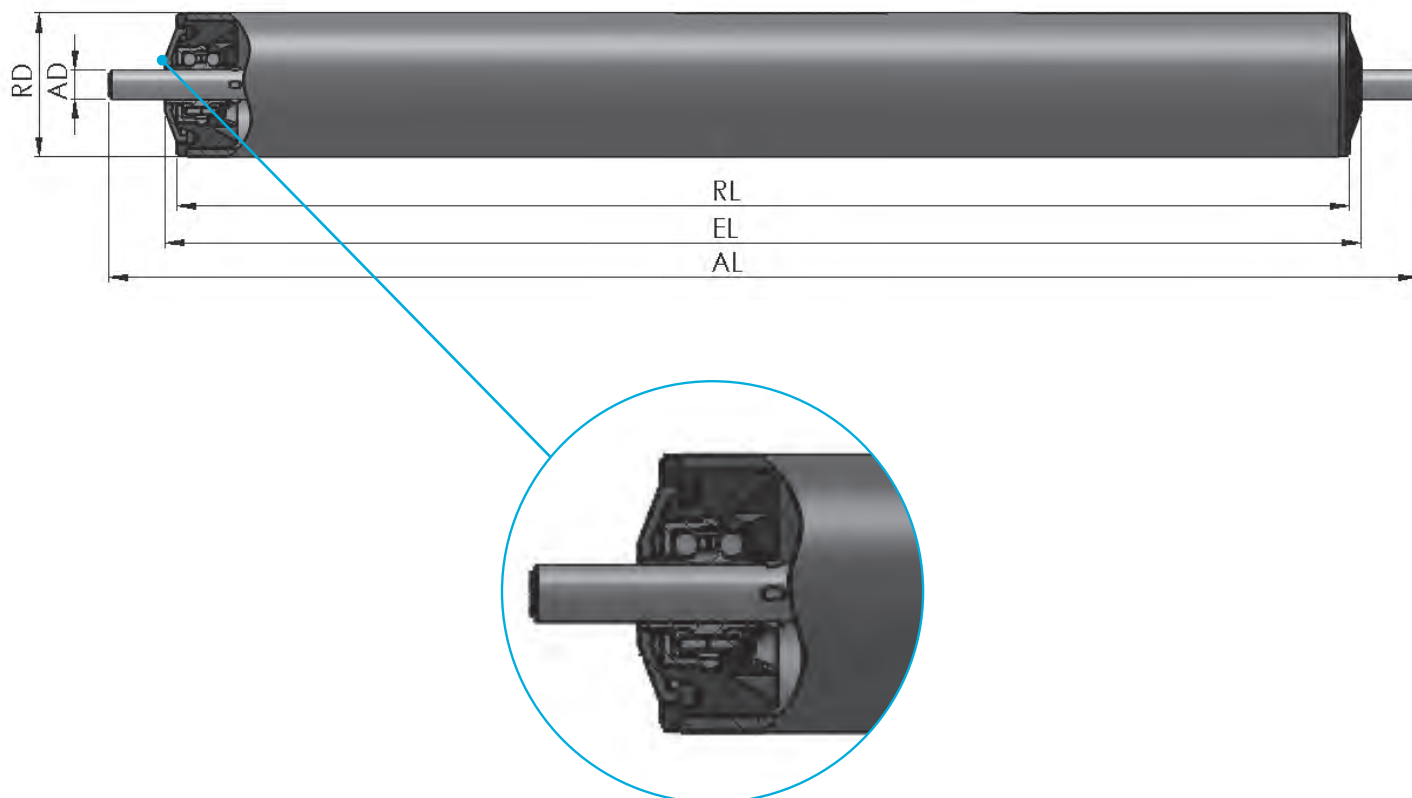


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	KUT50	20x1.5	STI	A8	FA	EL=250	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 30 kg



### KUT100/KUT100N

#### Areas of use:

- for conveying small, lightweight products on a non-gravity-driven roller conveyor. For use in dry, dust-free environments (KUT100) or in damp, dust-free environments (KUT100N)

#### Bearing:

- KUT100 thermoplastic base with steel balls in a single row
- KUT100N thermoplastic base with stainless steel balls in a single row

#### Properties:

- light-running
- gentle on your product
- temperature range: -5 to +40° C
- speed: 0.3 m/s
- low weight
- quiet
- load capacity: max. 30kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:

- variety of coatings are available
- tube and axle made from stainless steel



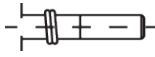
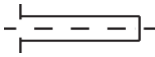
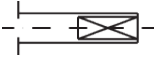


***"Standard carrier rollers are available directly from stock – see page 112"***

## Combination

tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
50 x 1.5	8 / 10 / 12	x	x	x	x			x	x
50 x 2	8 / 10 / 12	x	x	x	x				x
50 x 2.8	8 / 10 / 12					x	x		
60 x 2	8 / 10 / 12	x	x	x					
60.3 x 1.65	8 / 10 / 12				x				
63 x 3	8 / 10 / 12					x	x		

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 spring axle	 flat	 spanner flat
8	RL +	20	7	7	7	7
10	RL +	19	7	7	7	7
SK11	RL +			7		
12	RL +	21	7	7	7	7

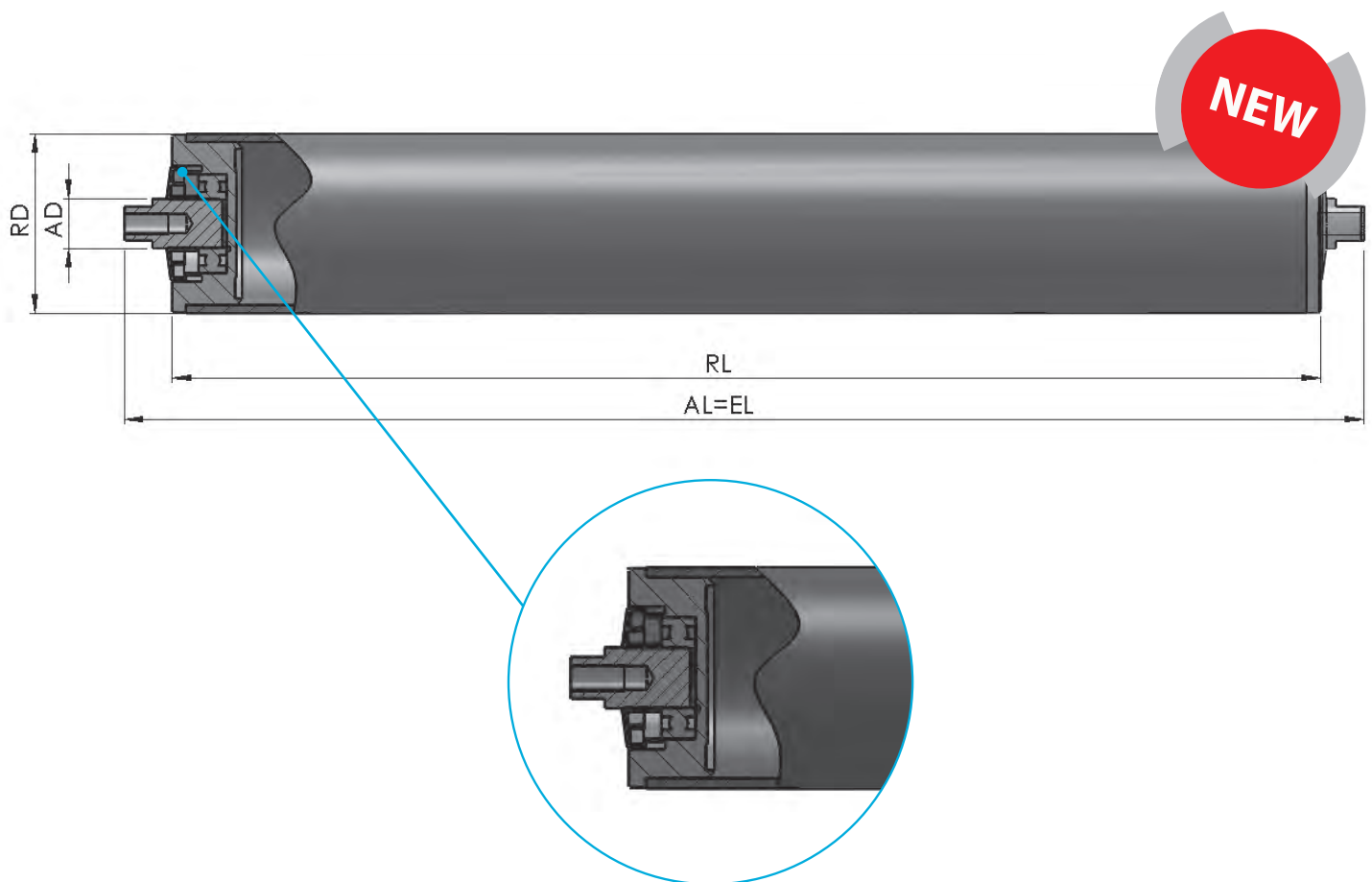


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	KUT100	50x2.8	KB	A12	IGM8	EL=300	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 50 kg



### KUT270

#### Areas of use:

- for conveying lightweight to medium-weight products on a non-gravity-driven roller conveyor for use in dusty, dirty and wet environments
- also well suited for use in food industry applications

#### Bearing:

- bearing bases made of polypropylene (PPco) with labyrinth seal
- stainless steel cone bearing in a ball cage

#### Properties:

- quiet
- light-running
- gentle on your product
- axle hub made from POM, Ø 11.8 x20, with M8 interior threads and outer diameter with width across flat: 17x6mm
- load capacity: max. 50 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)


#### Optional:

- variety of coatings are available
- stainless steel tubes

## Combination

tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
50 x 1.5	POM-Adapter Ø11.8 IGM8	x	x	x	x			x	x
50 x 2	POM-Adapter Ø11.8 IGM8	x	x	x	x				x
50 x 2.8	POM-Adapter Ø11.8 IGM8					x	x		
60 x 2	POM-Adapter Ø11.8 IGM8	x	x	x					
63 x 3	POM-Adapter Ø11.8 IGM8					x	x		
63.5 x 2.9	POM-Adapter Ø11.8 IGM8	x	x						x
80 x 2	POM-Adapter Ø11.8 IGM8	x	x	x	x				
88.9 x 3.25	POM-Adapter Ø11.8 IGM8								
90 x 7	POM-Adapter Ø11.8 IGM8					x	x		

## Axle type

axle-Ø mm	EL=	 internal thread
POM-Adapter Ø11.8 IGM8	RL +	21

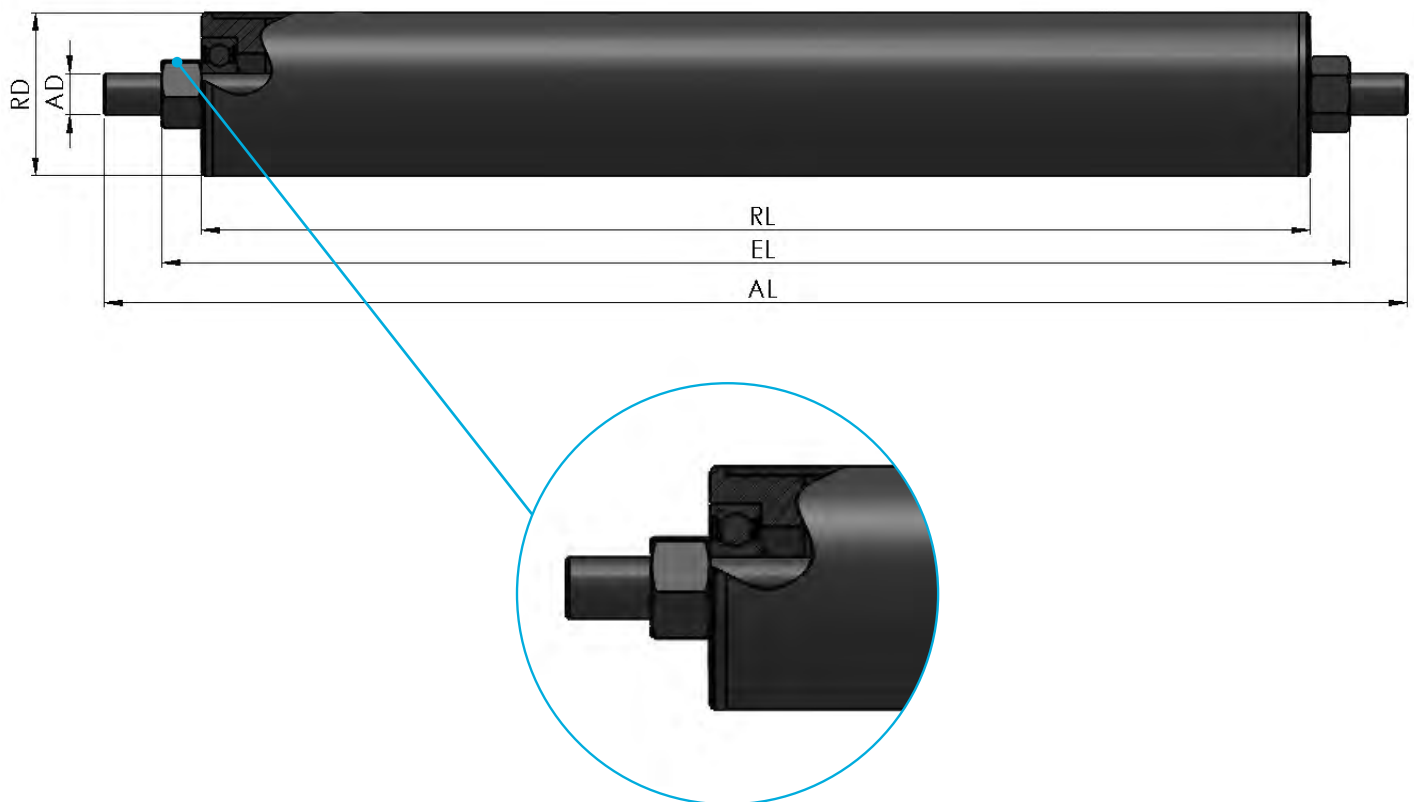


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	KUT270	50x1.5	N	EL=300
bearing type				
tube-Ø and wall thickness				
tube surface				
installation length				

## gravity-driven carrier rollers // up to 60 kg



### TKL30/TKL30N

#### Areas of use:

- for conveying medium-weight products on a gravity-driven roller conveyor or as a power-driven roller
- for dry, dust-free environments (TKL30) or for damp, dust-free environments (TKL30N)

#### Bearing:

- TKL30 thermoplastic base with precision deep-groove ball bearing
- TKL30N thermoplastic base with stainless steel 2RS precision deep-groove ball bearing

#### Properties:

- quiet
- temperature range: -5 to +50° C
- speed: max. 1.5 m/s
- load capacity: max. 60 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)


#### Optional:

- variety of coatings are available
- tube and axle made from stainless steel

Combination

tube-Ø	axle-Ø	ST	STI	STP	KB	KGH
30 x 1.5	8	X	X	X		
30 x 1.8	8				X	X

Axle type

axle-Ø mm	EL=	 external thread
8	RL +	14

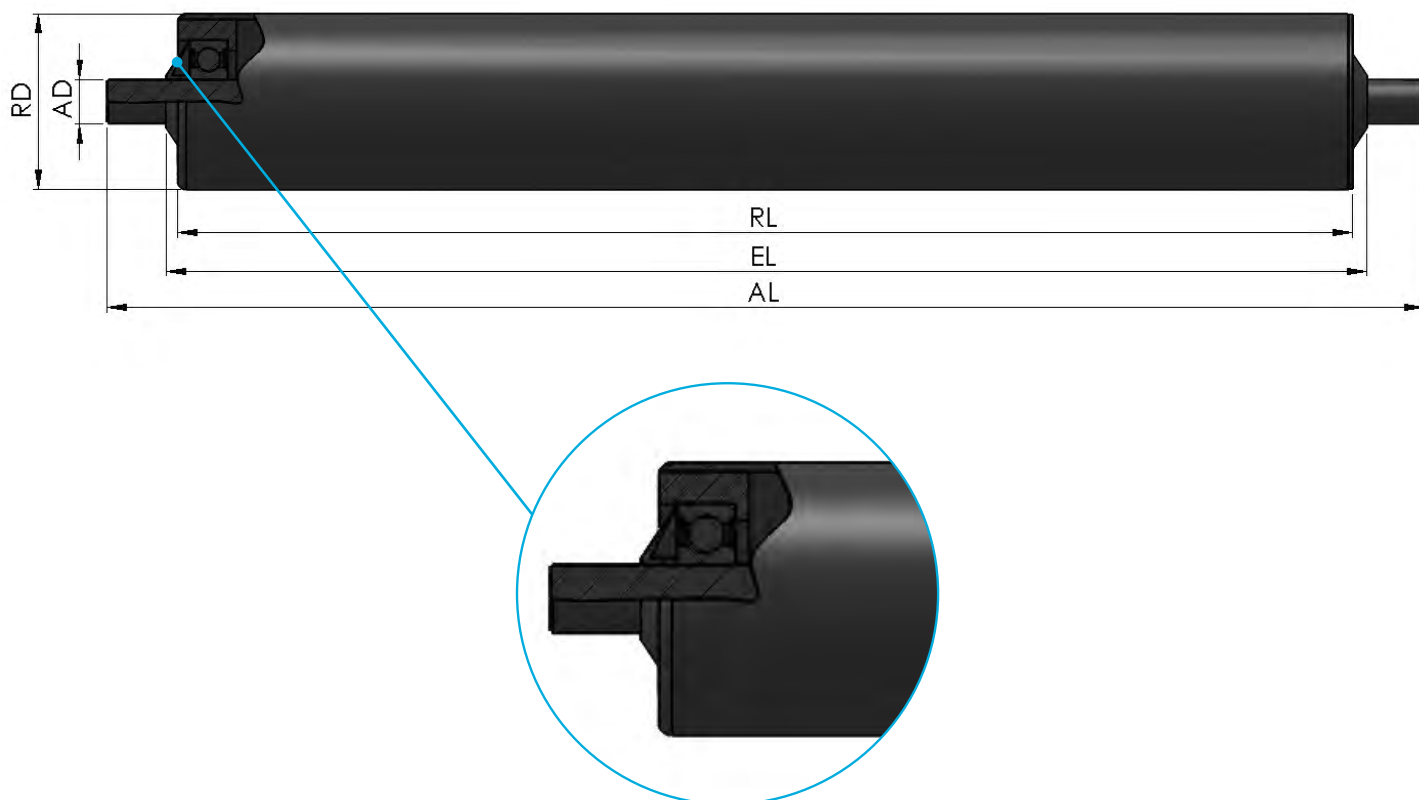


*“The axle length and installation length change depending on the type of axle end finishing”*

Order example

type	TKL30	30x1.5	STI	A8	M8x15	EL=300	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 60 kg



### TKL40/TKL40N

#### Areas of use:

- for conveying medium-weight products on a gravity-driven roller conveyor or as a power-driven roller
- for dry, dust-free environments (TKL40) or for damp, dust-free environments (TKL40N)

#### Bearing:

- TKL40 thermoplastic base with precision deep-groove ball bearing
- TKL40N thermoplastic base with stainless steel 2RS precision deep-groove ball bearing

#### Properties:

- quiet
- temperature range: -5 to +50° C
- speed: 1.5 m/s
- load capacity: max. 60 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:



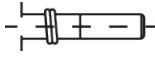
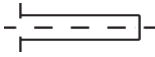
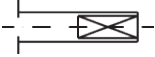
- variety of coatings are available
- tube and axle made from stainless steel



## Combination

tube-Ø	axle-Ø	ST	STI	STP
40 x 1.5	8 / 10 / 12 / 14 / 15	x	x	x

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 spring axle	 flat	 spanner flat
8	RL +	26	13	13	13	13
10	RL +	25	13	13	13	13
12	RL +	27	13	13	13	13
14	RL +	29	13	13	13	13
15	RL +		13	13	13	13

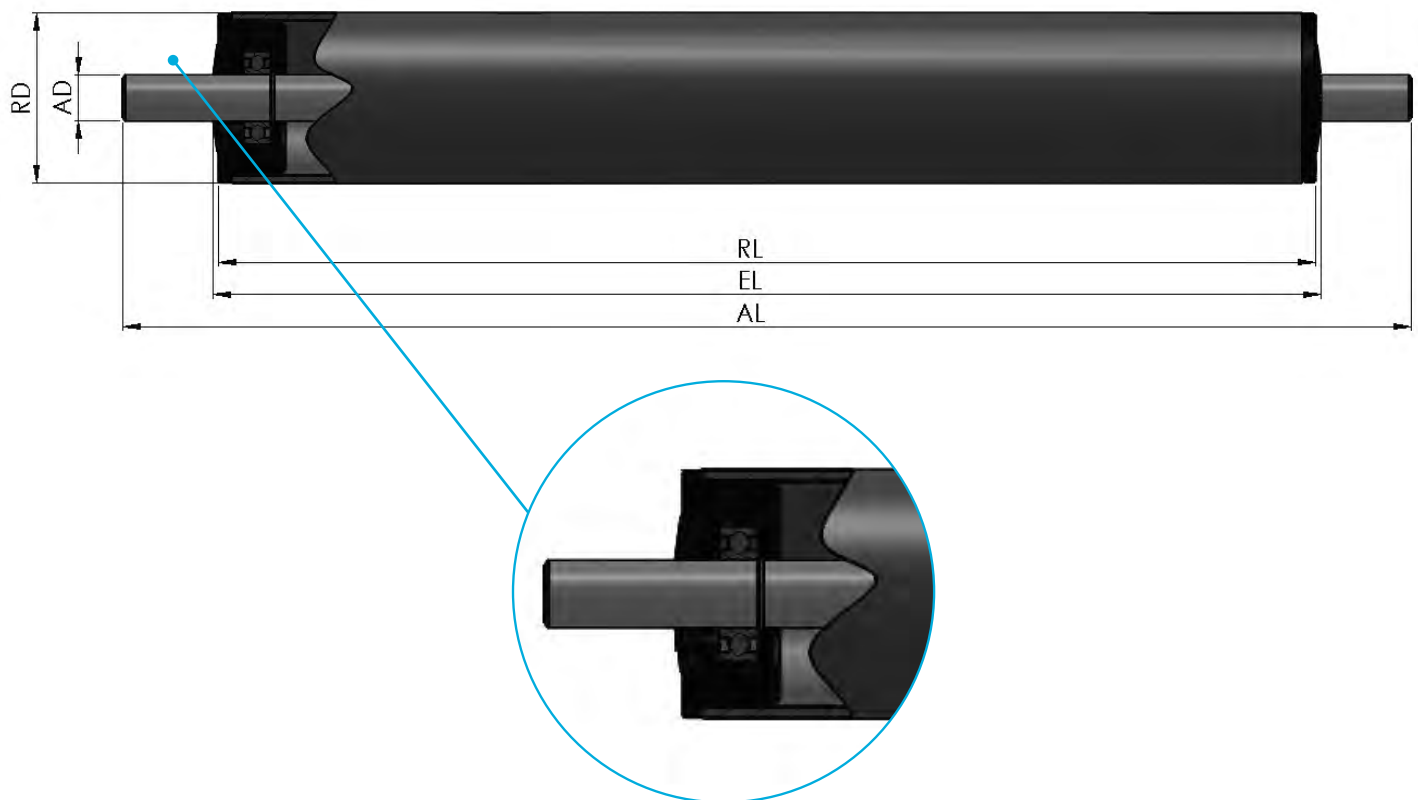


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	TKL40	40x1.5	STI	A12	IGM8	EL=300	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 240 kg



### TKL/TKLN

#### Areas of use:

- for conveying medium-weight products on a gravity-driven roller conveyor or as a power-driven roller
- for dusty, dirty and dry environments

#### Bearing:

- TKL thermoplastic base with labyrinth seal and with precision deep-groove ball bearing
- TKLN thermoplastic base with labyrinth seal and with stainless steel 2RS precision deep-groove ball bearing

#### Properties:

- quiet
- gentle on your product
- temperature range: -5 to +50° C
- speed: 1.5 m/s
- load capacity: max. 240 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)



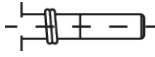
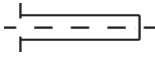
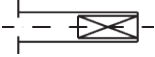
#### Optional:

- variety of coatings are available
- bearing ball, tube, stainless steel axle
- with welded-on flanges

## Combination

tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
50 x 1.5	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x			x	x
50 x 2	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x				x
50 x 2.8	10 / SK11 / 12 / 14 / 15 / 17					x	x		
50 x 3	10 / SK11 / 12 / 14 / 15 / 17	x	x	x					x
60 x 2	10 / SK11 / 12 / 14 / 15 / 17	x	x	x					x
60.3 x 1.65	10 / SK11 / 12 / 14 / 15 / 17				x				x
63 x 3	10 / SK11 / 12 / 14 / 15 / 17					x	x		
63.5 x 2.9	10 / SK11 / 12 / 14 / 15 / 17	x	x						x
80 x 2	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x				x
90 x 7	10 / SK11 / 12 / 14 / 15 / 17					x	x		
88.9 x 2.9	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x				x

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 spring axle	 flat	 spanner flat
10	RL +	19	7	7	7	7
SK11	RL +			7	7	7
12	RL +	21	7	7	7	7
14	RL +	23	7	7	7	7
15	RL +		7	7	7	7
17	RL +	23	7	7	7	7

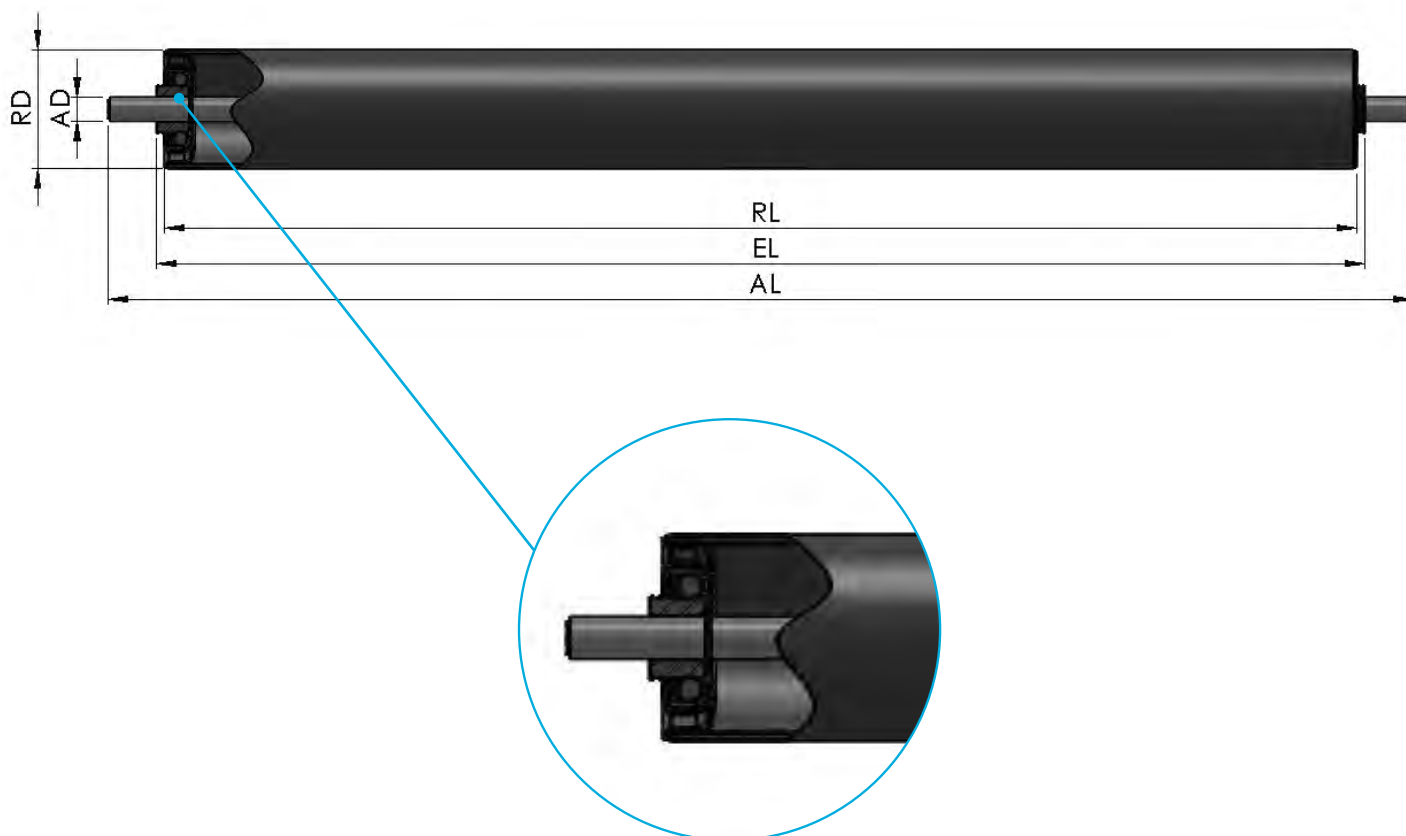


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	TKL	60x2	STI	A12	IGM8	EL=300	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 160 kg



### TRG

#### Areas of use:

- for conveying lightweight to medium-weight products on a non-gravity-driven roller conveyor
- dust-free and dry environment
- for use in enclosed rooms

#### Bearing:

- galvanized steel sheet base with tapered steel ball bearing

#### Properties:

- light-running
- temperature range: -5 to +80° C
- speed: 0.6 m/s
- load capacity: max. 160 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:

- variety of coatings are available
- tube and axle made from stainless steel
- antistatic
- with flanges



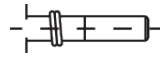

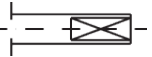


***“Standard carrier rollers are available directly from stock – see page 113”***

## Combination

tube-Ø	axle-Ø	ST	STI	STP	N
30 x 1.5	8 / 10	x	x	x	
40 x 1.5	8 / 10 / SK11 / 12	x	x	x	x
50 x 1.5	8 / 10 / SK11 / 12	x	x	x	x
50 x 2	8 / 10 / SK11 / 12	x	x	x	x
60 x 2	8 / 10 / SK11 / 12	x	x	x	x
80 x 2	8 / 10 / SK11 / 12	x	x	x	x

## Axle type

tube-Ø mm	axle-Ø mm	EL=	 external thread	 internal thread	 spring axle	 flat	 spanner flat
30 / 40 / 50 / 60	8	RL +	19	6	6	6	6
30 / 40 / 50 / 60	10	RL +	18	6	6	6	6
40 / 50 / 60	SK11	RL +			6		
40 / 50 / 60	12	RL +	20	6	6	6	6
80 x 2	10	RL +	20	6	6	6	6
80 x 2	SK11	RL +			10		
80 x 2	12	RL +	22	10	10	10	10

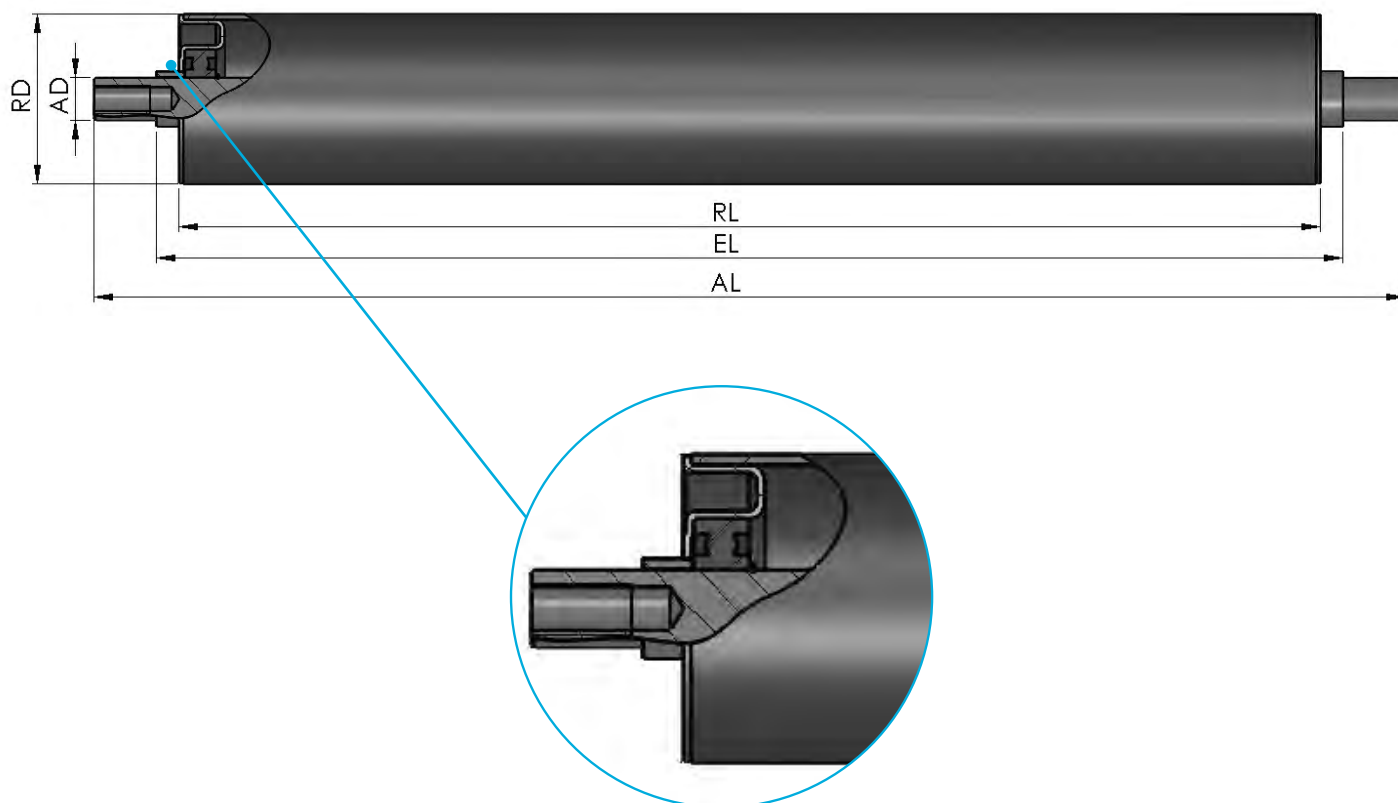


***“The axle length and installation length change depending on the type of axle end finishing”***

## Order example

type	TRG	50x1.5	STI	A10	M10x15	EL=300	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 240 kg



### TRK

#### Areas of use:

- for conveying medium-weight to heavy products on a gravity-driven roller conveyor or as a power-driven roller
- for dust-free and dry environments

#### Bearing:

- galvanized steel sheet base with precision deep-groove ball bearing

#### Properties:

- temperature range: -5 to +60° C
- speed: max. 1.2 m/s
- load capacity: max. 240 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)



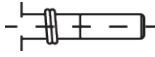
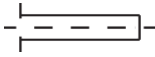
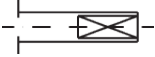
#### Optional:

- variety of coatings are available
- RS/ZZ bearing for dusty environments
- tube and axle made from stainless steel
- antistatic
- with flanges
- for heated and cold storage applications

## Combination

tube-Ø	axle-Ø	ST	STI	STP	N
50 x 1.5	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x
50 x 2	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x
60 x 2	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	
80 x 2	10 / SK11 / 12 / 14 / 15 / 17	x	x	x	x

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 spring axle	 flat	 spanner flat
10	RL +	22	10	10	10	10
SK11	RL +			10		
12	RL +	24	10	10	10	10
14	RL +	26	10	10	10	10
15	RL +		10	10	10	10
17	RL +	26	10	10	10	10

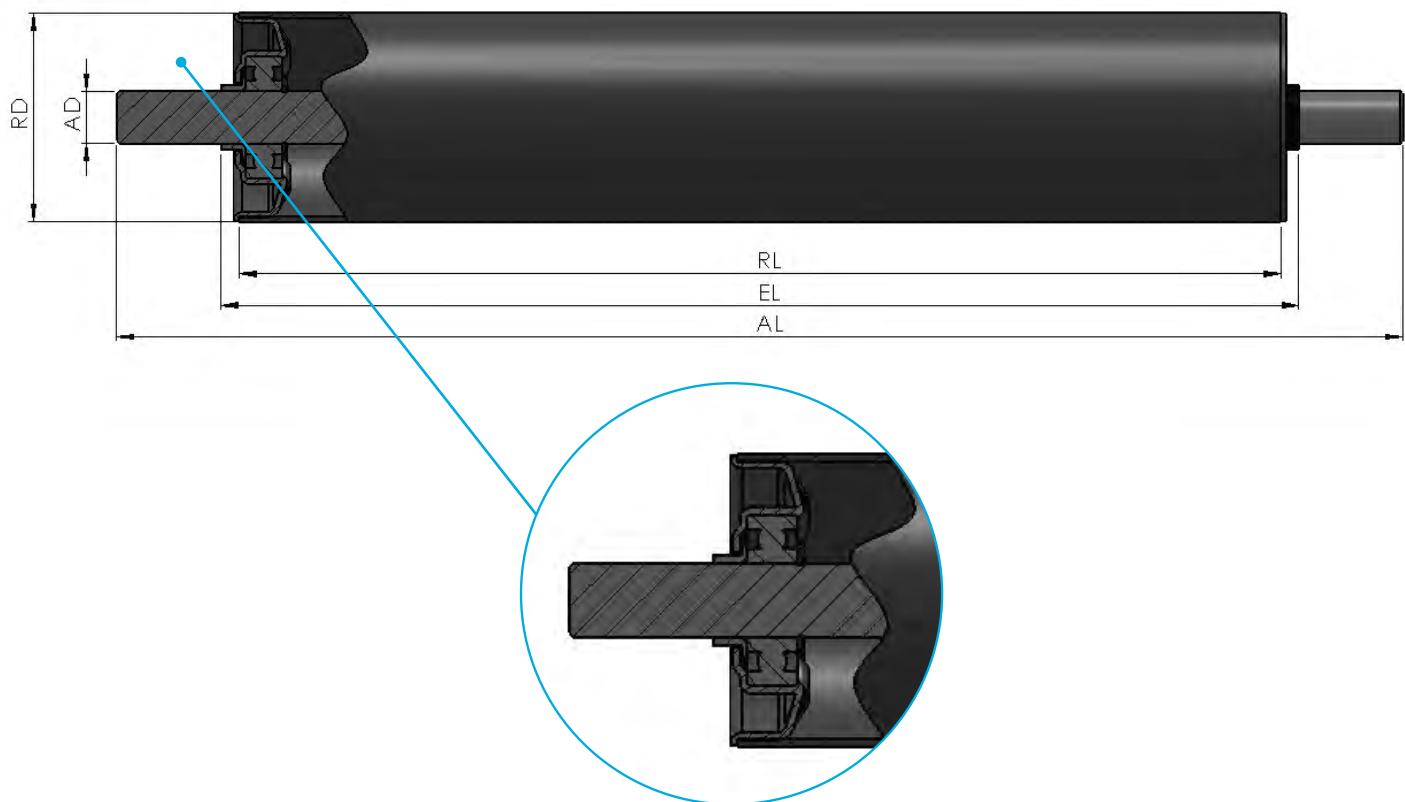


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	TRK	80x2	STI	A14	IGM8	EL=495	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 400 kg



### TRKS

#### Areas of use:

- for conveying very heavy products on a gravity-driven roller conveyor or as a power-driven roller
- for dust-free and dry environments

#### Bearing:

- galvanized steel sheet base with precision deep-groove ball bearing

#### Properties:

- temperature range: -5 to +80° C
- speed: 1.2 m/s
- load capacity: max. 400 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:



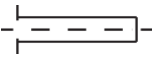
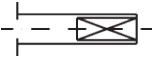
- variety of coatings are available
- RS/ZZ bearing for dusty environments
- tube and axle made from stainless steel
- antistatic
- for heated and cold storage applications
- with flanges



## Combination

tube-Ø	axle-Ø	ST	STI	STP	N
63.5 x 2.9	20	x	x		
80 x 2	17 / 20 / 25	x	x	x	x
88.9 x 2.9	17 / 20 / 25	x	x	x	x
108 x 3.6	17 / 20 / 25	x	x		

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 flat	 spanner flat
17	RL +	26	10	10	10
20	RL +	28	10	10	10
25	RL +	30	10	10	10

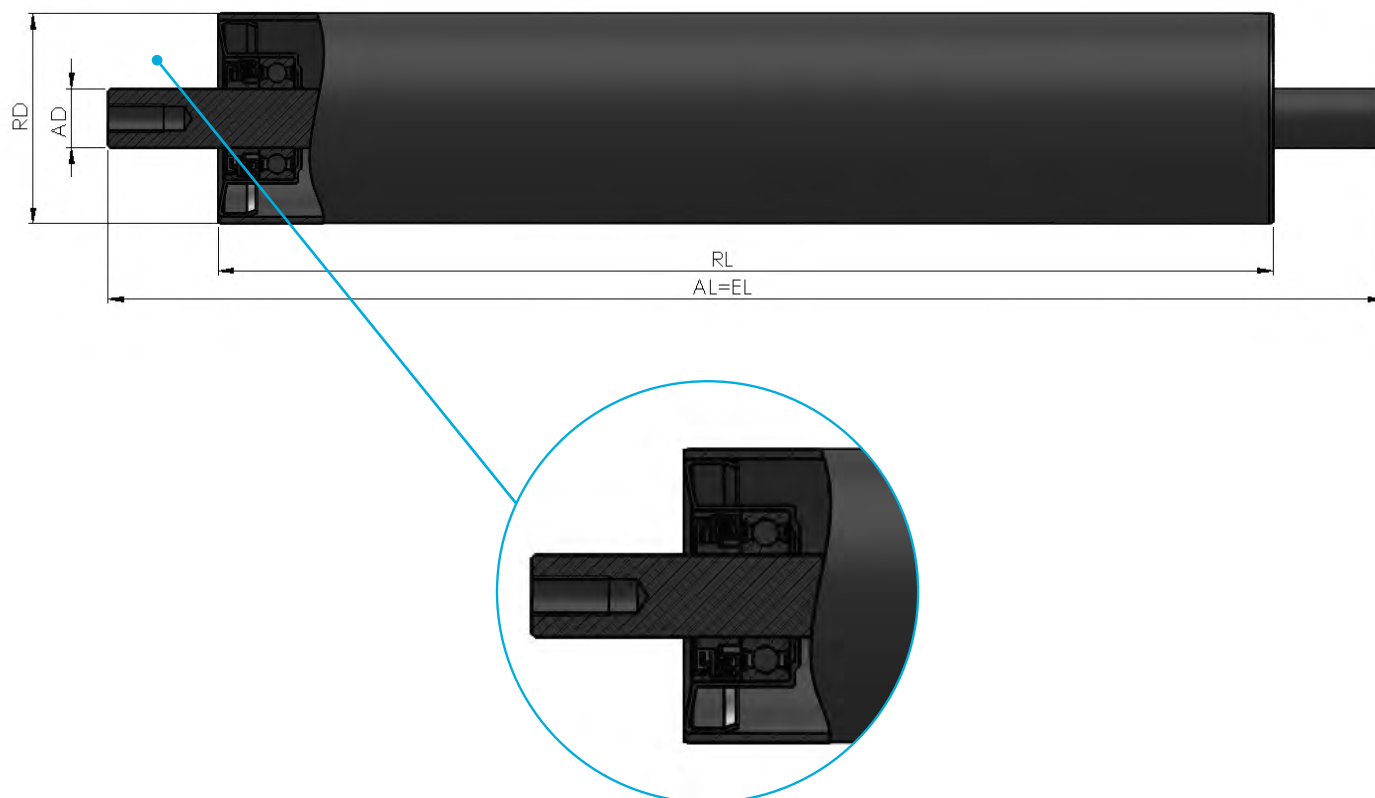


***"The axle length and installation length change depending on the type of axle end finishing"***

## Order example

type	TRKS	80x2	STI	A14	IGM8	EL=495	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 500 kg



### TGF

#### Areas of use:

- for conveying very heavy products on a gravity-driven roller conveyor or as a power-driven roller
- for dusty, dirty and dry environments

#### Bearing:

- deep-drawn steel sheet base, welded to the tube, with precision ball bearing
- multiple-labyrinth seal: high-quality lithium grease is used to provide permanent lubrication
- additional protection provided by rain cap

#### Properties:

- very sturdy design and high-quality bearing protection
- temperature range: -5 to +80° C
- load capacity: max. 500 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:

- variety of coatings are available
- bearing, bearing retainer, tube and axle made from stainless steel
- for heated and cold storage applications
- with welded-on flanges
- with support rings and buffer rings



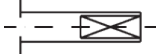


***“Standard carrier rollers are available directly from stock – see page 114”***

## Combination

tube-Ø	axle-Ø	ST	STI	STP	STL
51 x 2.9	20	x	x		x
63.5 x 2.9	20	x	x		x
80 x 2	20	x	x	x	x
88.9 x 2.9	20 / 25 / 30	x	x	x	x
108 x 3.6	20 / 25 / 30	x	x		x
133 x 3.6	20 / 25 / 30	x	x		x
159 x 4.5	20 / 25 / 30	x	x		x

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 spanner flat
20	RL +	24	6	6
25	RL +	24	6	6
30	RL +	24	6	6

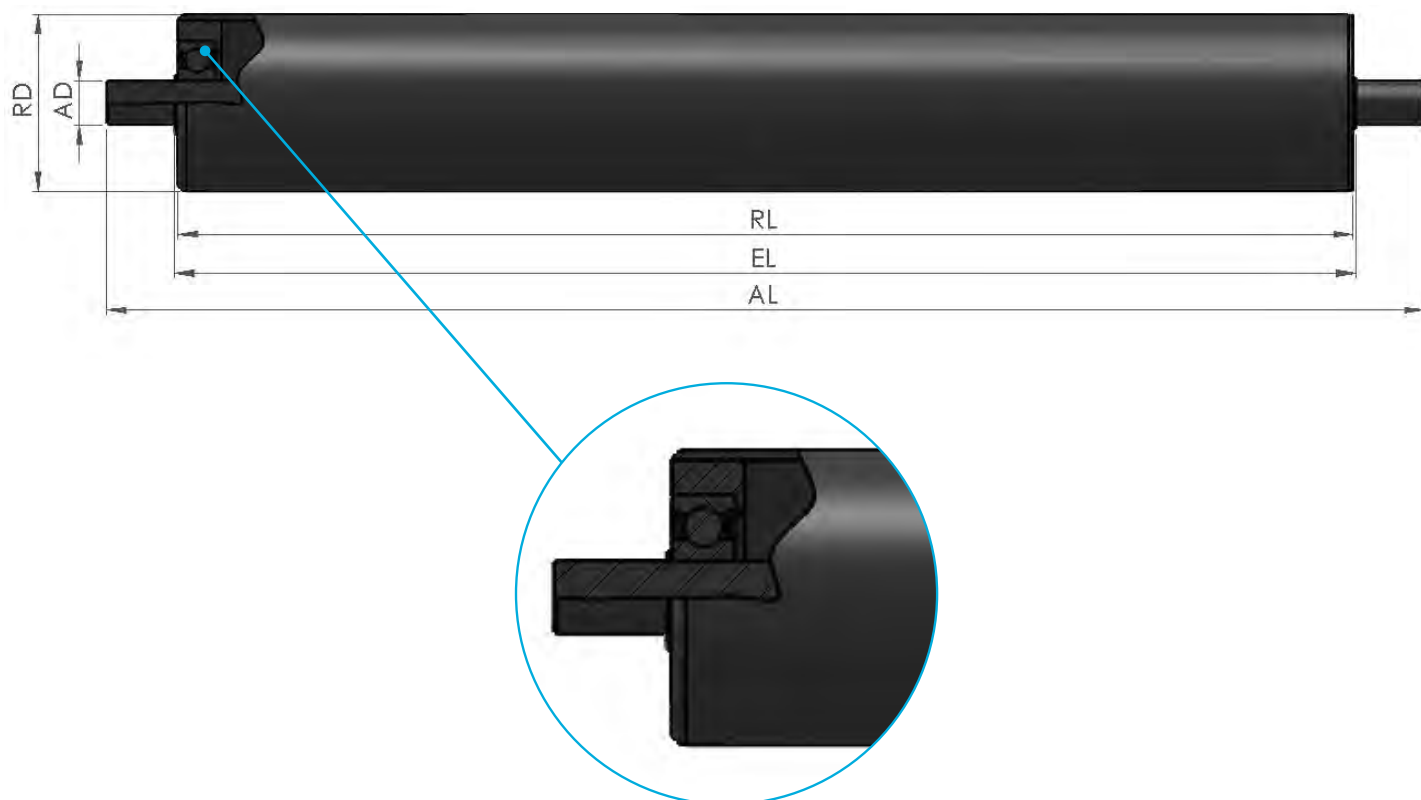


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	TGF	88.9x2.9	STI	A20	IGM12	EL=850	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 1,000 kg



### TGFS

#### Areas of use:

- for conveying very heavy products on a gravity-driven roller conveyor or as a power-driven roller
- for dust-free and dry environments

#### Bearing:

- with screwed-in bearing seat directly in the tube, welded, with precision deep-groove ball bearing

#### Properties:

- sturdy bearing insert and robust overall construction
- larger tube wall thickness and axle diameter
- high load capacity, depending on the particular type (Depending on the load limit of the tubes, bearings and axle; refer to the general information)



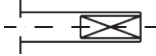
#### Optional:

- variety of coatings are available
- bearing ball, tube, and axle in stainless steel
- RS/ZZ bearing for dusty environments
- self-aligning bearing
- for heated and cold storage applications
- with flanges

## Combination

tube-Ø	axle-Ø	ST	STI	STP	N
63.5 x 2.9	20 / 25	x	x		
80 x 2	20 / 25	x	x	x	x
80 x 3	20 / 25	x	x	x	
88.9 x 2.9	20 / 25	x	x	x	x
108 x 3.6	20 / 25	x	x		
133 x 3.6	20 / 25	x	x		
159 x 4.5	20 / 25	x	x		

## Axle type

axle-Ø mm	EL=	 external thread	 internal thread	 spanner flat
20	RL +	26	6	6
25	RL +	26	6	6

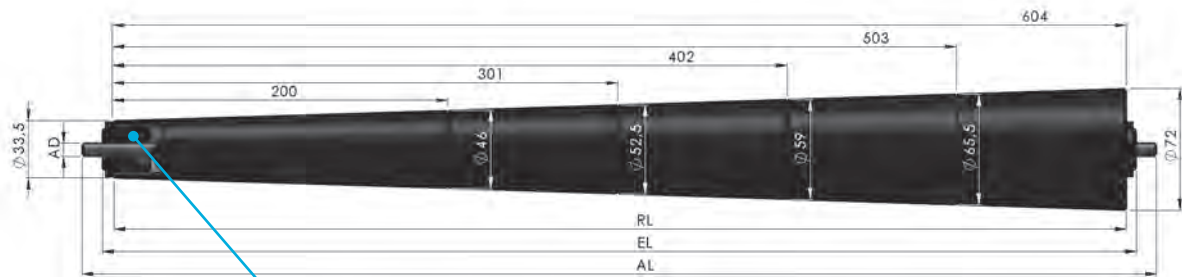


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	TGFS	108 x 3.6	STI	A25	M24 x 35	EL=1250	AL= x
bearing type							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							
axle length AL							

## gravity-driven carrier rollers // up to 20 kg



### KFR30

#### Areas of use:

- for constructing bends in gravity-driven carrier rollers. Used for conveying lightweight goods in a dry, dust-free environment

#### Bearing:

- thermoplastic base with steel balls in a single row

#### Properties:

- tapered plastic furring strips, abrasion resistant,
- inside radius: 500 mm
- light-running
- low weight
- quiet
- temperature range: -5 to +40° C
- speed: 0.5 m/s
- load capacity: max. 20 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)


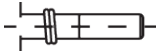
#### Optional:

- tapered tube made of steel or galvanized steel
- bearing balls, tapered tube, stainless steel axle
- special length

## Combination

TKL30	KUT50	tube-Ø	axle-Ø	ST	STI	N	KB	KGH
	x	30 x 1	8 / 10	x	x	x		
x	x	30 x 1.5	8 / 10	x	x			
x	x	30 x 1.8	8 / 10				x	x

## Axle type

bearing	axle-Ø mm	EL=	 external thread	 spring axle
TKL30	8	RL +	21	
	10	RL +	18	
KUT50	8	RL +	35	22
	10	RL +	32	22

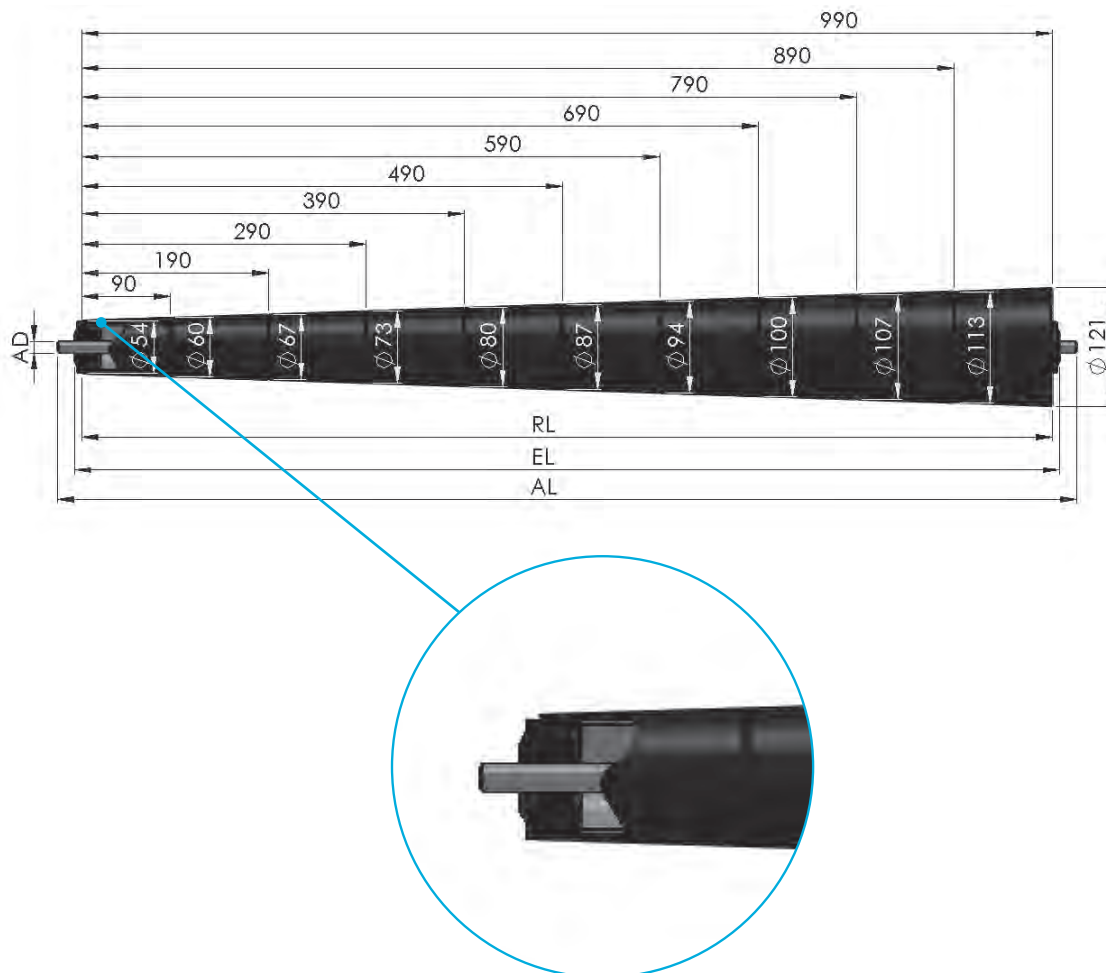


*"The axle length and installation length change depending on the type of axle end finishing"*

## Order example

type	KFR30	KUT50	30x1.8	KB	A10	M10x15	EL=437	AL= x
rollers type								
bearing type								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## gravity-driven carrier rollers // up to 80 kg



### KFR50

#### Areas of use:

- for constructing bends in gravity-driven carrier rollers. Used for conveying lightweight goods in a dry, dust-free environment

#### Bearing:

- bearing base made of thermoplastic with labyrinth seal and deep-groove ball bearing

#### Properties:

- plastic furring strips, abrasion resistant, on inner tube  $\varnothing 50$  mm
- inside radius: 800 mm
- quiet
- temperature range:  $-5$  to  $+50^{\circ}\text{C}$
- speed: 0.5 m/s
- load capacity: max. 80 kg/roller  
(Depending on the load limit of the tubes, bearings and axle; refer to the general information)

#### Optional:



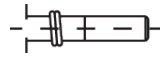

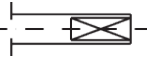
- tapered tube made of steel or galvanized steel
- cone made from hard plastic
- special tapered shapes
- bearing ball, tapered tube, stainless steel axle
- antistatic



## Combination

TKL	KUT100	tube-Ø	axle-Ø	ST	STI	N	KB	KGH	ALU
x	x	50 x 1.5	10 / SK11 / 12 / 14	x	x	x			x
x	x	50 x 2	10 / SK11 / 12 / 14	x	x	x			
x	x	50 x 2.8	10 / SK11 / 12 / 14				x	x	
x		50 x 3	10 / SK11 / 12 / 14	x	x				

## Axle type

bearing	axle-Ø mm	EL=	 external thread	 internal thread	 spring axle	 flat	 spanner flat
TKL	10	RL +	27	17	17	17	17
	12	RL +	29	17	17	17	17
	SK11	RL +		17	17	17	17
	14	RL +	31	17	17	17	17
KUT100	10	RL +	27	17	17	17	17
	12	RL +	29	17	17	17	17



**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	KFR50	TKL	50x1,5	STI	A12	IGM8	EL=517	AL= x
rollers type								
bearing type								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								



# The versatility of power-driven carrier rollers

Our power-driven carrier rollers are available, depending on the drive components, with accumulating/friction rollers or with fixed-drive rollers. Chains, toothed belts or round belts are used to provide the drive.

Drive components welded to the tube are used for the fixed-drive rollers and for time-cycled facilities. This ensures that a width variety of goods can be best conveyed through a power-driven conveyor system. For lightweight goods and for continuously-driven systems, rollers with pressed-in drive components are used. These carrier rollers are manufactured according to your specifications to fit your application.

## Versions

- 🔧 various tube diameters, bearing types and axle end finishes
- 🔧 bearing seals: RS for usage in wet areas or ZZ for dusty areas
- 🔧 tubes available in plastic, bright steel, galvanized or stainless steel
- 🔧 wide selection of coatings

## Drive types

- 🔧 single or double sprockets
- 🔧 fixed or accumulating drive
- 🔧 adjustable friction
- 🔧 driven by round belts, with 1 or 2 grooves
- 🔧 toothed belt drive



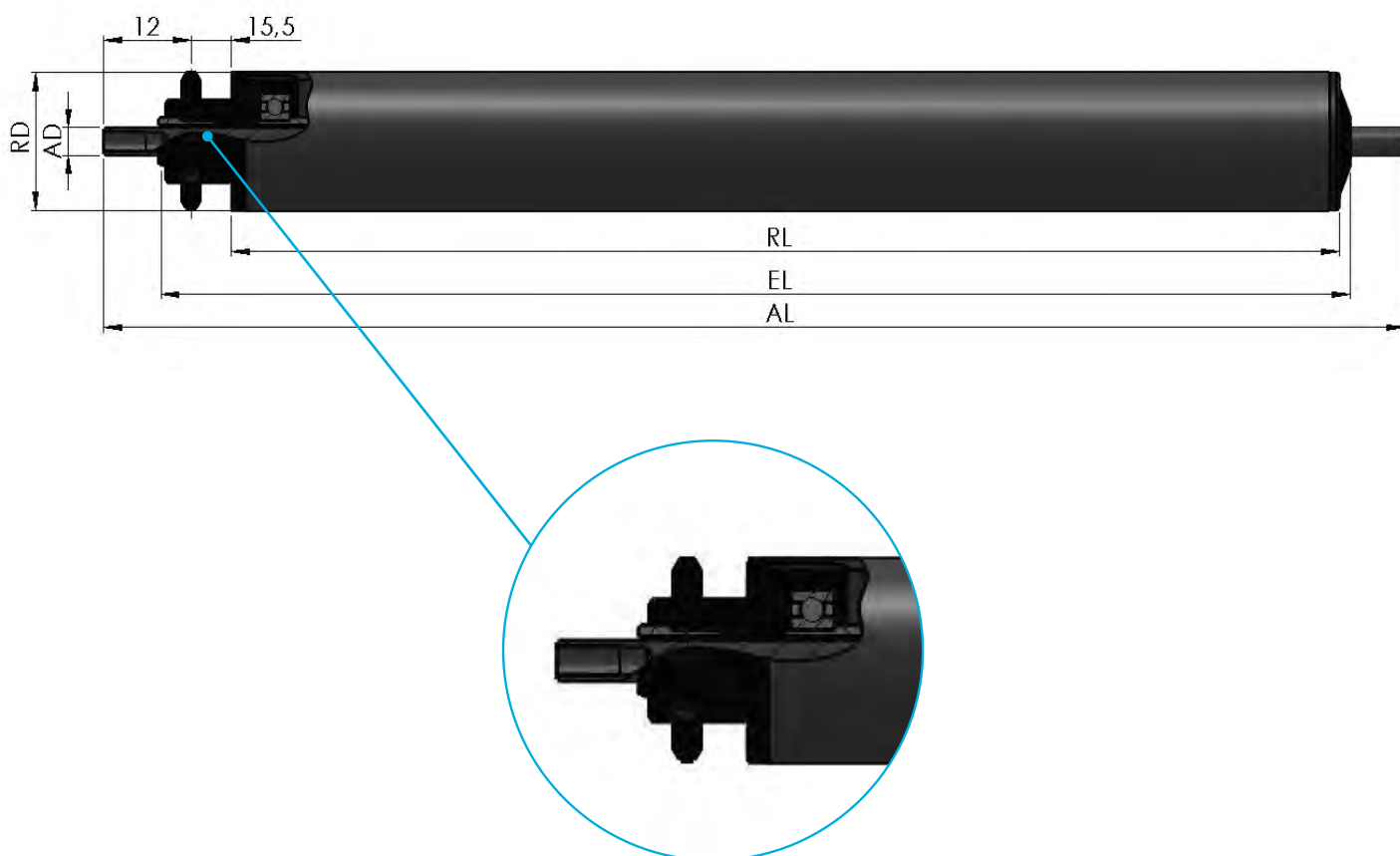
***"We also offer custom solutions – just ask for more details"***

## Areas of use

- 🔧 automotive industry
- 🔧 food industry
- 🔧 logistics
- 🔧 furniture industry
- 🔧 machine and plant engineering
- 🔧 assembly lines
- 🔧 conveyor belts
- 🔧 indoor or outdoor; dry or wet applications
- 🔧 and much more



## power-driven carrier rollers // up to 40 kg



### 1K-KU-1/2-Z11–fixed/accumulating

#### Areas of use:

- for transporting lightweight products on a power-driven roller conveyor
- for dry and dust-free interiors

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- single sprocket made of plastic, lantern gear sprocket teeth
- sprocket size: 1/2" x 5/16", with 11 teeth
- available as fix: (fixed drive) or accu: (accumulating drive)

#### Properties:

- minimal running noises
- low weight
- temperature range: -5 to +50° C
- speed: max. 0.5 m/s
- load capacity: max. 40 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:



- available with various coatings
- stainless steel bearing, tube and axle

## Combination

### counter-bearing

tkl	trk	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	10 / 12 / 14	x	x	x	x			x	x
x	x	50 x 2	10 / 12 / 14	x	x	x	x				x
x		50 x 2.8	10 / 12 / 14					x	x		
x	x	60 x 2	10 / 12 / 14	x	x	x					x
x		60.3 x 1.65	10 / 12 / 14				x				x
x		63 x 3	10 / 12 / 14					x	x		
x	x	80 x 2	10 / 12 / 14	x	x	x	x				x
x		90 x 7	10 / 12 / 14					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TKL	10	RL +	45	33
	12	RL +	47	33
	14	RL +	49	33
TRK	10	RL +	47	35
	12	RL +	49	35
	14	RL +	51	35

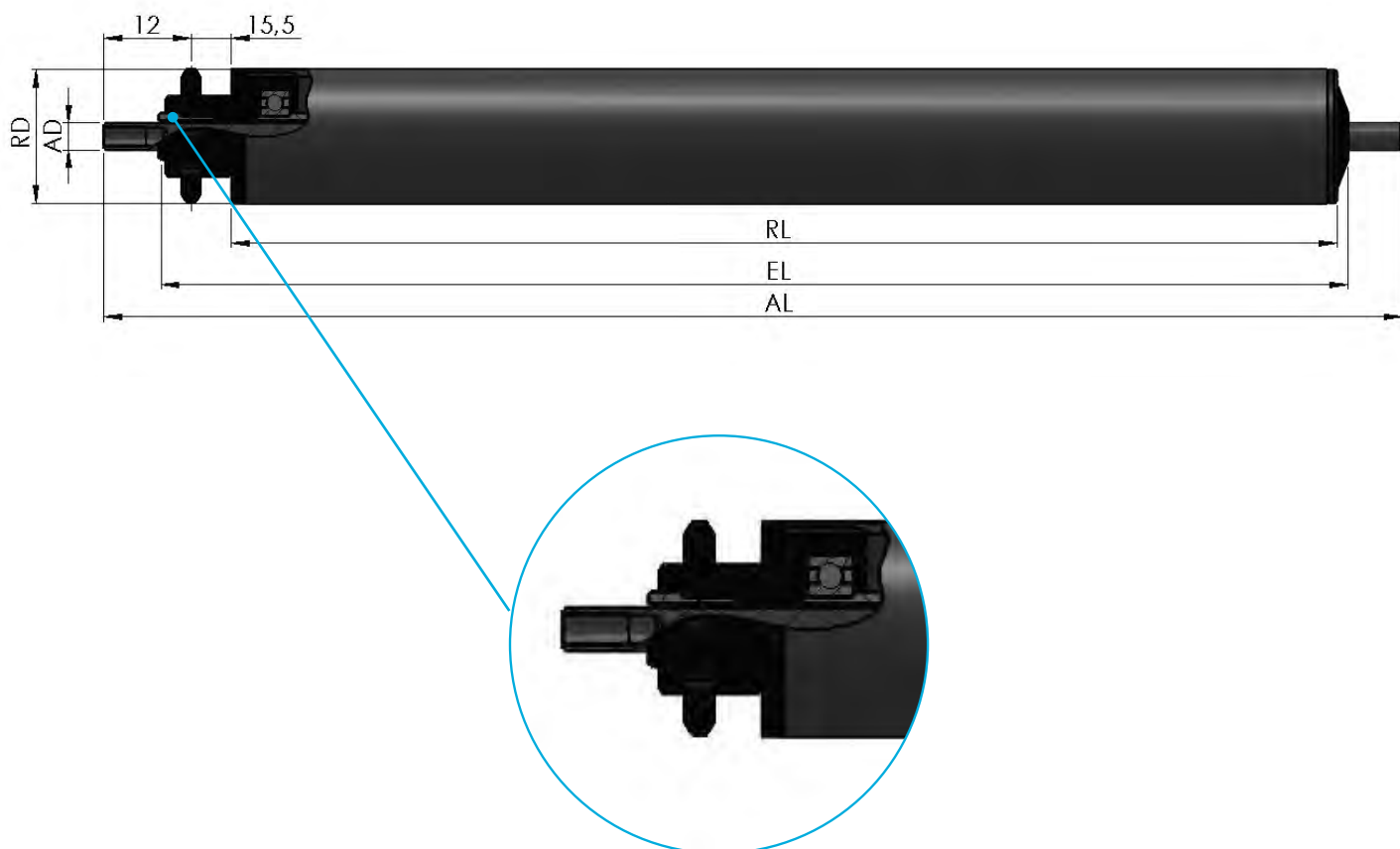


*"The axle length and installation length change depending on the type of axle end finishing"*

## Order example

type	1K-KU-1/2-Z11-fixed	TKL	50x2	STI	A12	IGM8	EL=553	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 100 kg



### 1K-ST-1/2-Z11–fixed/accumulating

#### Areas of use:

- for conveying lightweight to medium-weight products on a power-driven roller conveyor
- for dry and dust-free interiors

#### counter-bearing:

- the type of bearing depends on the application:  
Select between TKL and TRK

#### Drive:

- single sprocket made of steel, lantern gear sprocket teeth  
sprocket size: 1/2" x 5/16", with 11 teeth
- available as fix: (fixed drive) or accu: (accumulating drive)

#### Properties:

- minimal running noises
- low weight
- temperature range: -5 to +50° C
- speed: max. 0.5 m/s
- load capacity: max. 40 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:



- available with various coatings
- stainless steel bearing, tube and axle

## Combination

### counter-bearing

TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	10 / 12 / 14	x	x	x	x			x	x
x	x	50 x 2	10 / 12 / 14	x	x	x	x				x
x		50 x 2.8	10 / 12 / 14					x	x		
x	x	60 x 2	10 / 12 / 14	x	x	x					x
x		60.3 x 1.65	10 / 12 / 14				x				x
x		63 x 3	10 / 12 / 14					x	x		
x	x	80 x 2	10 / 12 / 14	x	x	x	x				x
x		90 x 7	10 / 12 / 14					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TKL	10	RL +	45	33
	12	RL +	47	33
	14	RL +	49	33
TRK	10	RL +	47	35
	12	RL +	49	35
	14	RL +	51	35

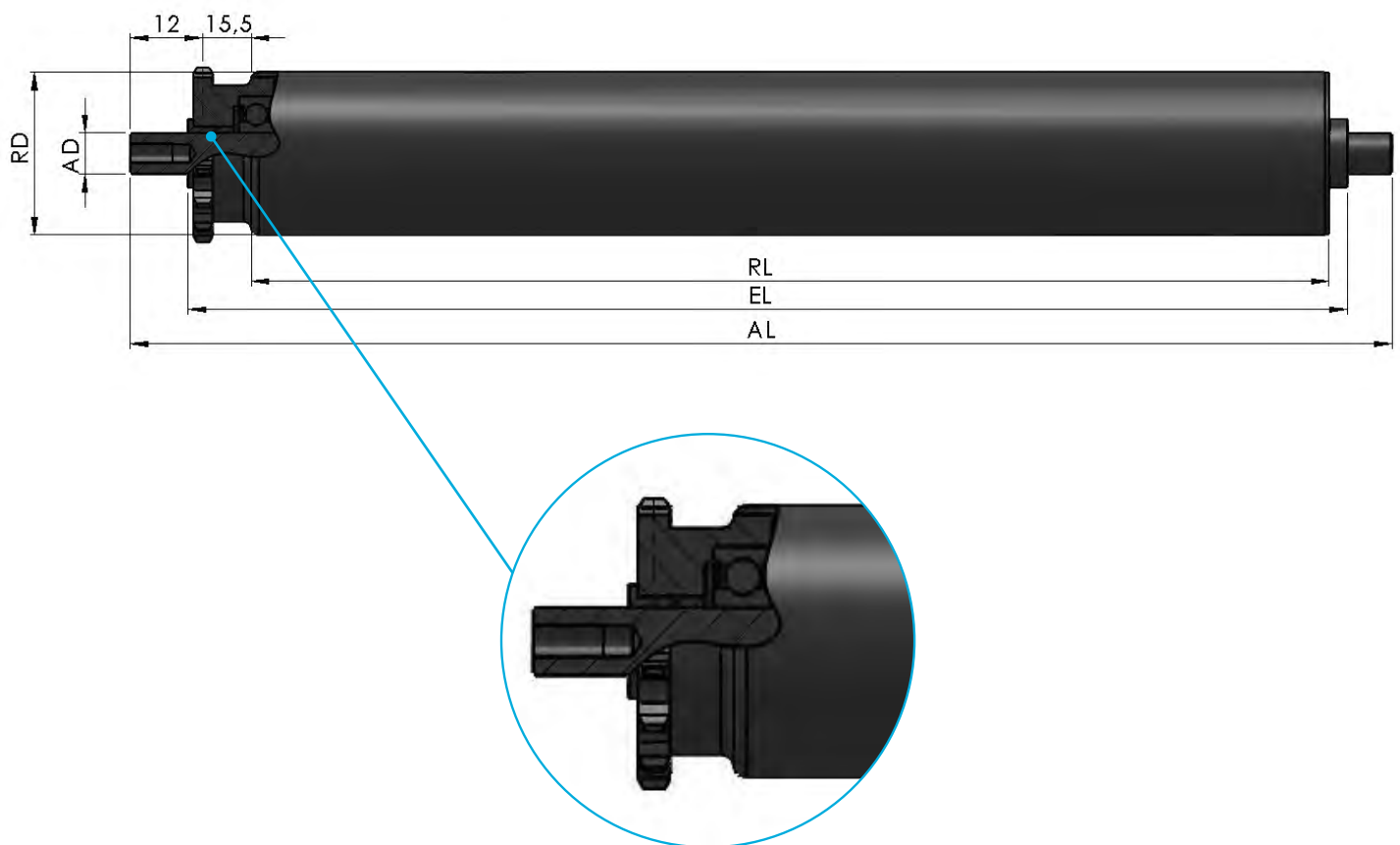


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	1K-ST-1/2-Z11-fixed	TKL	50x2	STI	A12	IGM8	EL=533	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 100 kg



### 1K-ST-1/2-Z11-welded

#### Areas of use:

- for conveying lightweight to medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
Select between TKL and TRK

#### Drive:

- single sprocket made of steel, welded with the tube, lantern gear sprocket teeth
- sprocket size: 1/2" x 5/16", with 11 teeth

#### Properties:

- temperature range: -5 to +50° C
- speed: max. 0.5 m/s
- load capacity: max. 100 kg/roller  
(Depending on the load limit of tube, bearing and axle; refer to the general information)

#### Optional:

- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications
- with flanges





## Combination

### counter-bearing

TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	10 / 12 / 14	x	x	x	x			x	x
x	x	50 x 2	10 / 12 / 14	x	x	x	x				x
x		50 x 2.8	10 / 12 / 14					x	x		
x	x	60 x 2	10 / 12 / 14	x	x	x					x
x		60.3 x 1.65	10 / 12 / 14				x				x
x		63 x 3	10 / 12 / 14					x	x		
x	x	80 x 2	10 / 12 / 14	x	x	x	x				x
x		90 x 7	10 / 12 / 14					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TKL	10	RL +	45	33
	12	RL +	47	33
	14	RL +	49	33
TRK	10	RL +	47	35
	12	RL +	49	35
	14	RL +	51	35

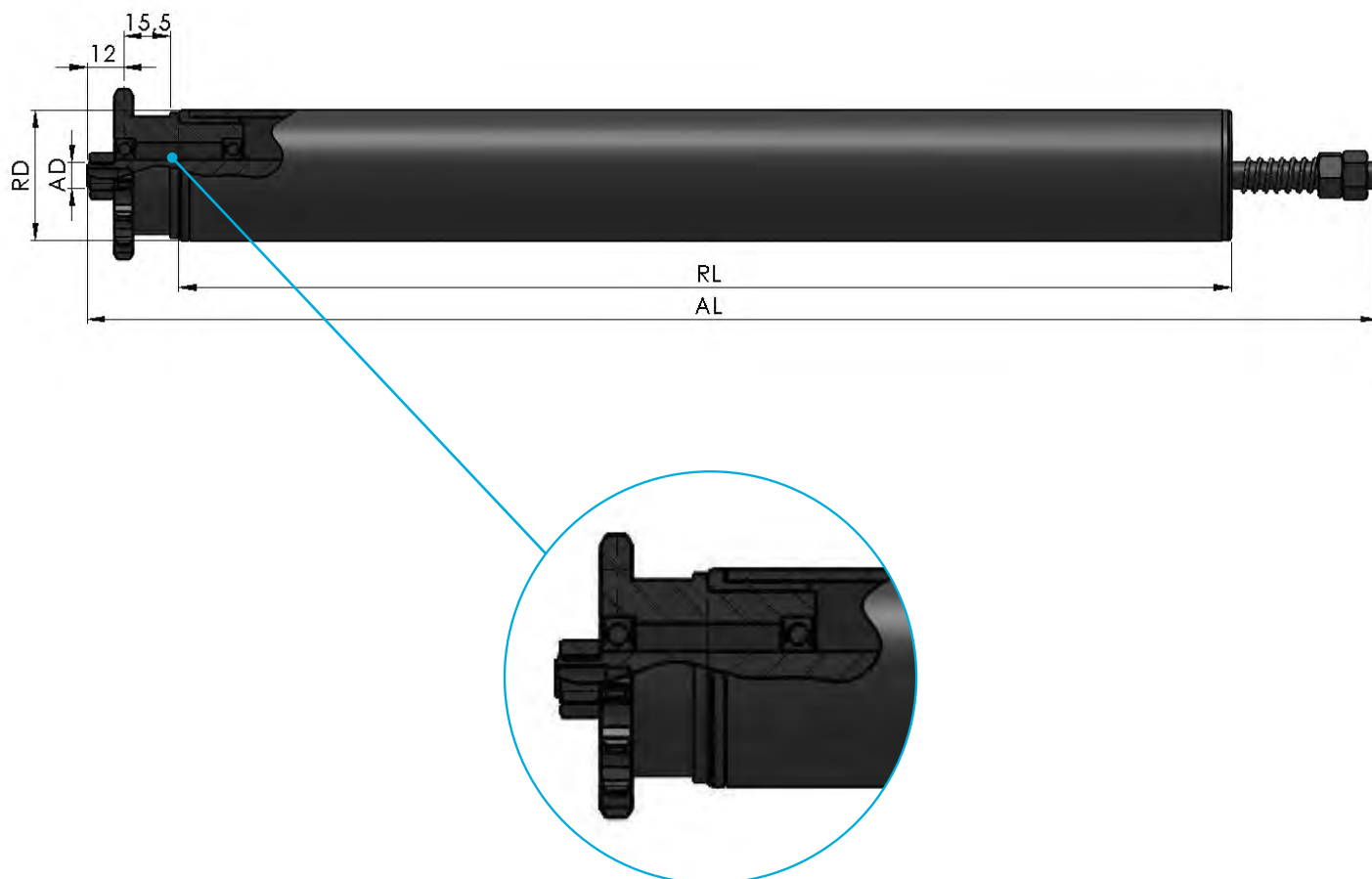


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	1K-ST-1/2-Z11-welded	TKL	50x2	STI	A12	IGM8	EL=533	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 60 kg



### 1K-ST-1/2-Z11-adjustable accumulating drive

#### Areas of use:

- for conveying lightweight to medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- bearing type: TKL
- all suitable for operating in wet applications when using the RS bearing seal

#### Drive:

- single sprocket made of steel, lantern gear sprocket teeth
- sprocket size: 1/2" x 5/16", with 11 teeth
- the take-along force can be adjusted manually

#### Properties:

- temperature range: -5 to +50° C
- speed: 0.5 m/s
- load capacity: max. 60 kg/roller  
(Depending on the load limit of tube, bearing and axle; refer to the general information)

#### Optional:

- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications
- with flanges

## Combination

### counter-bearing

TKL	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	50 x 1.5	12	x	x	x	x			x	x
x	50 x 2	12	x	x	x	x				x
x	50 x 2.8	12					x	x		
x	60 x 2	12	x	x	x					x
x	60.3 x 1.65	12				x				x
x	63 x 3	12					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=AL	 internal thread
TKL	12	RL +	59

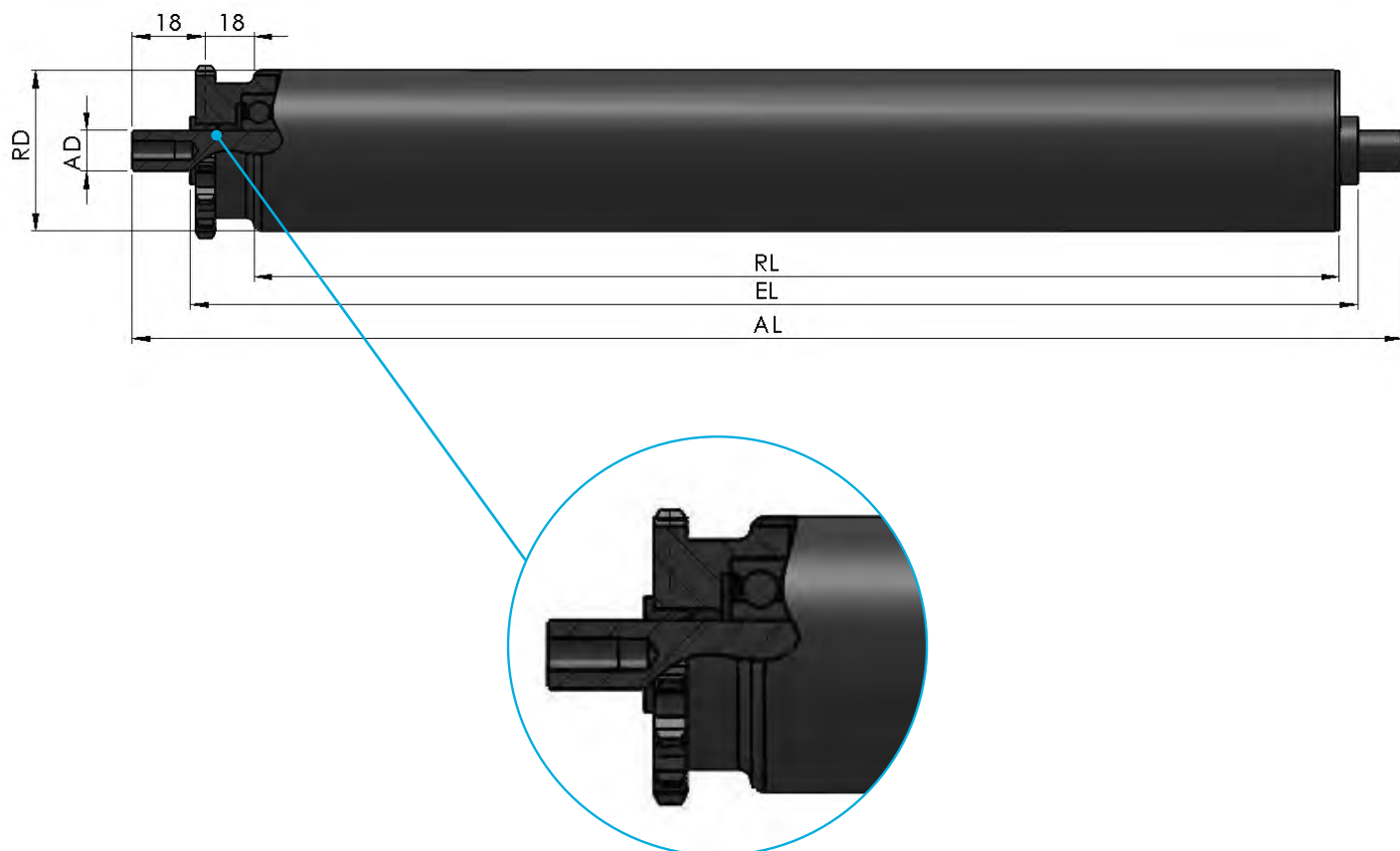


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	1K-ST-1/2-Z11-adjustable	TKL	50x2	STI	A12	IGM8	EL=559
rollers type							
type counter-bearing							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							

## power-driven carrier rollers // up to 350 kg



### 1K-ST-5/8-Z15

#### Areas of use:

- for conveying medium-weight to heavy products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TRKS and TGF

#### Drive:

- single sprocket made of steel, welded to tube, lantern gear sprocket teeth
- sprocket size: 5/8" x 3/8", with 15 teeth

#### Properties:

- temperature range: -5 to +80° C
- speed: 0.5 m/s
- load capacity: max. 350 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)



#### Optional:

- available with various coatings
- antistatic
- tube and axle made from stainless steel
- for heated and cold storage applications
- with flanges

## Combination

counter-bearing							
TGF	TRKS	tube-Ø	axle-Ø	ST	STI	STP	STG
x	x	63.5 x 2.9	20	x	x		x
x	x	80 x 2	20 / 25	x	x	x	x
x	x	88.9 x 2.9	20 / 25	x	x	x	x
x	x	108 x 3.25	20 / 25	x	x	x	x
x		133 x 4	20 / 25	x	x		x

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TRKS	20	RL +	85	41
	25	RL +	87	41
TGF	20	RL +	85	41
	25	RL +	87	41

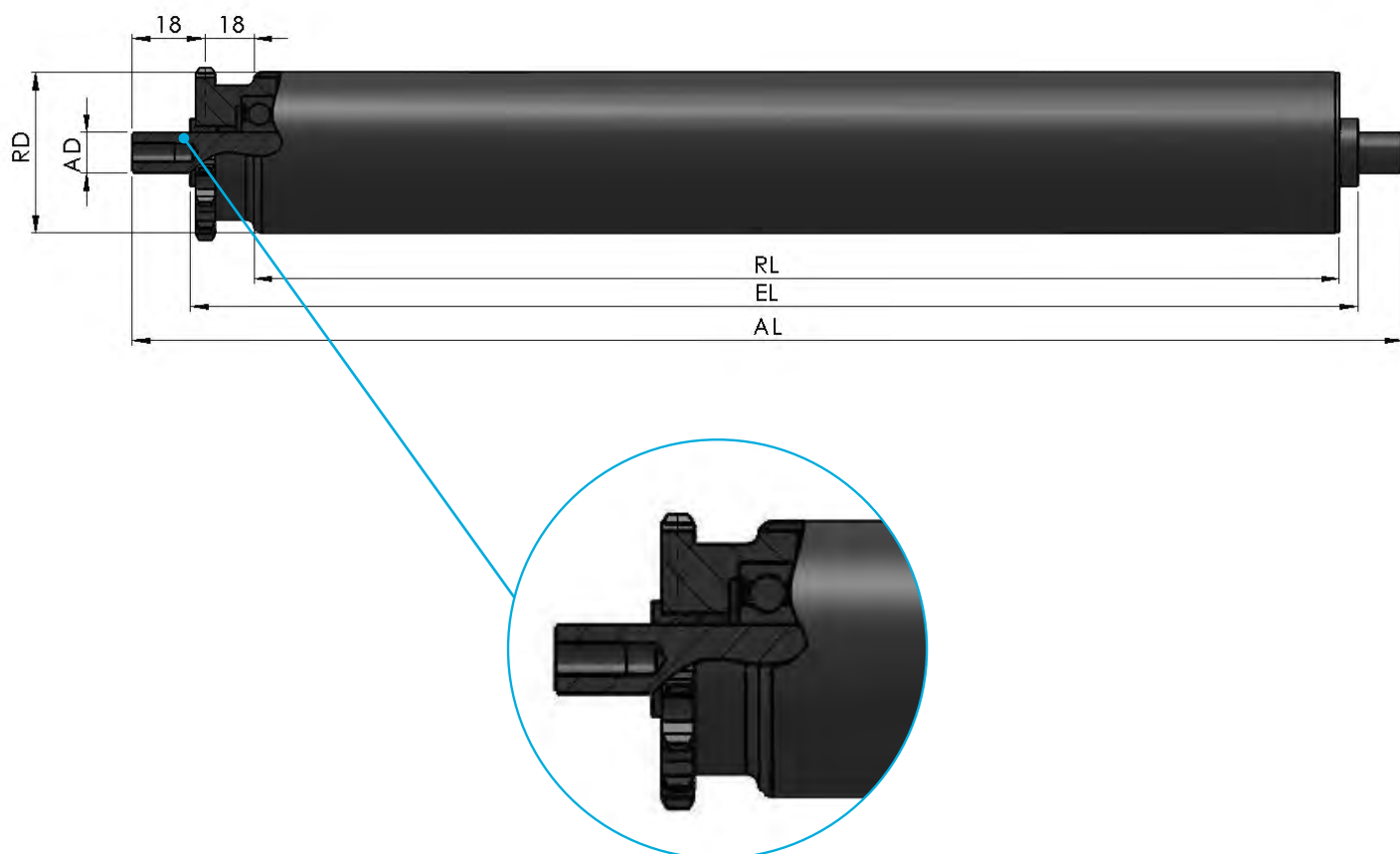


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	1K-ST-5/8 Z15	TGF	88.9x2.9	STI	A20	IGM12	EL=850	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 350 kg



### 1K-ST-3/4-Z13

#### Areas of use:

- for conveying medium-weight to heavy products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TRKS and TGF

#### Drive:

- single sprocket made of steel, welded to tube, lantern gear sprocket teeth
- sprocket size: 3/4" x 7/16", with 13 teeth

#### Properties:

- temperature range: -5 to +80° C
- speed: 0.5 m/s
- load capacity: max. 350 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)



#### Optional:

- available with various coatings
- antistatic
- tube and axle made from stainless steel
- for heated and cold storage applications
- with flanges

## Combination

counter-bearing							
TGF	TRKS	tube-Ø	axle-Ø	ST	STI	STP	STG
x	x	80 x 2	20 / 25	x	x	x	x
x	x	88.9 x 2.9	20 / 25	x	x	x	x
x	x	108 x 3.25	20 / 25	x	x	x	x
x		133 x 4	20 / 25	x	x		x

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TRKS	20	RL +	59	41
	25	RL +	61	41
TGF	20	RL +	59	41
	25	RL +	61	41

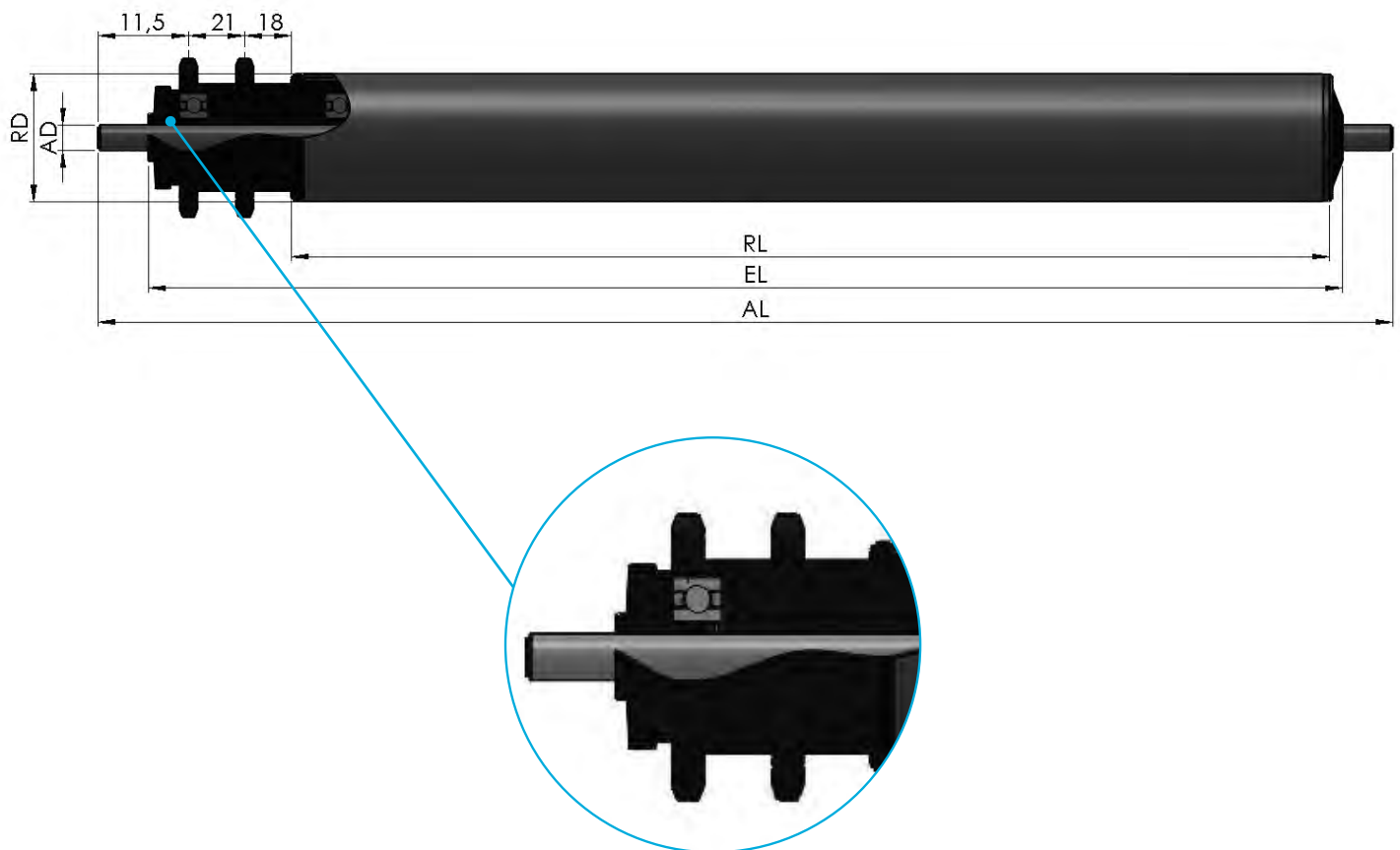


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	1K-ST-3/4 Z13	TGF	88.9x2.9	STI	A20	IGM12	EL=850	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 40 kg



### 2K-KU-1/2-Z14-fixed/accumulating

#### Areas of use:

- for transporting lightweight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- double sprocket made of plastic
- sprocket size: 1/2" x 5/16", with 14 teeth
- available as fix: (fixed drive) or accu: (accumulating drive)

#### Properties:

- temperature range: -5 to +50° C
- speed: 0.5 m/s
- minimal running noises
- load capacity: max. 40 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:

- available with various coatings
- stainless steel ball bearing, tube and axle





## Combination

### counter-bearing

TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	10 / 12 / 14	x	x	x	x			x	x
x	x	50 x 2	10 / 12 / 14	x	x	x	x				x
x		50 x 2.8	10 / 12 / 14					x	x		
x	x	60 x 2	10 / 12 / 14	x	x	x					x
x		60.3 x 1.65	10 / 12 / 14				x				x
x		63 x 3	10 / 12 / 14					x	x		
x	x	80 x 2	10 / 12 / 14	x	x	x	x				x
x		90 x 7	10 / 12 / 14					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TKL	10	RL +	69	57
	12	RL +	71	57
	14	RL +	73	57
TRK	10	RL +	71	57
	12	RL +	73	57
	14	RL +	75	57

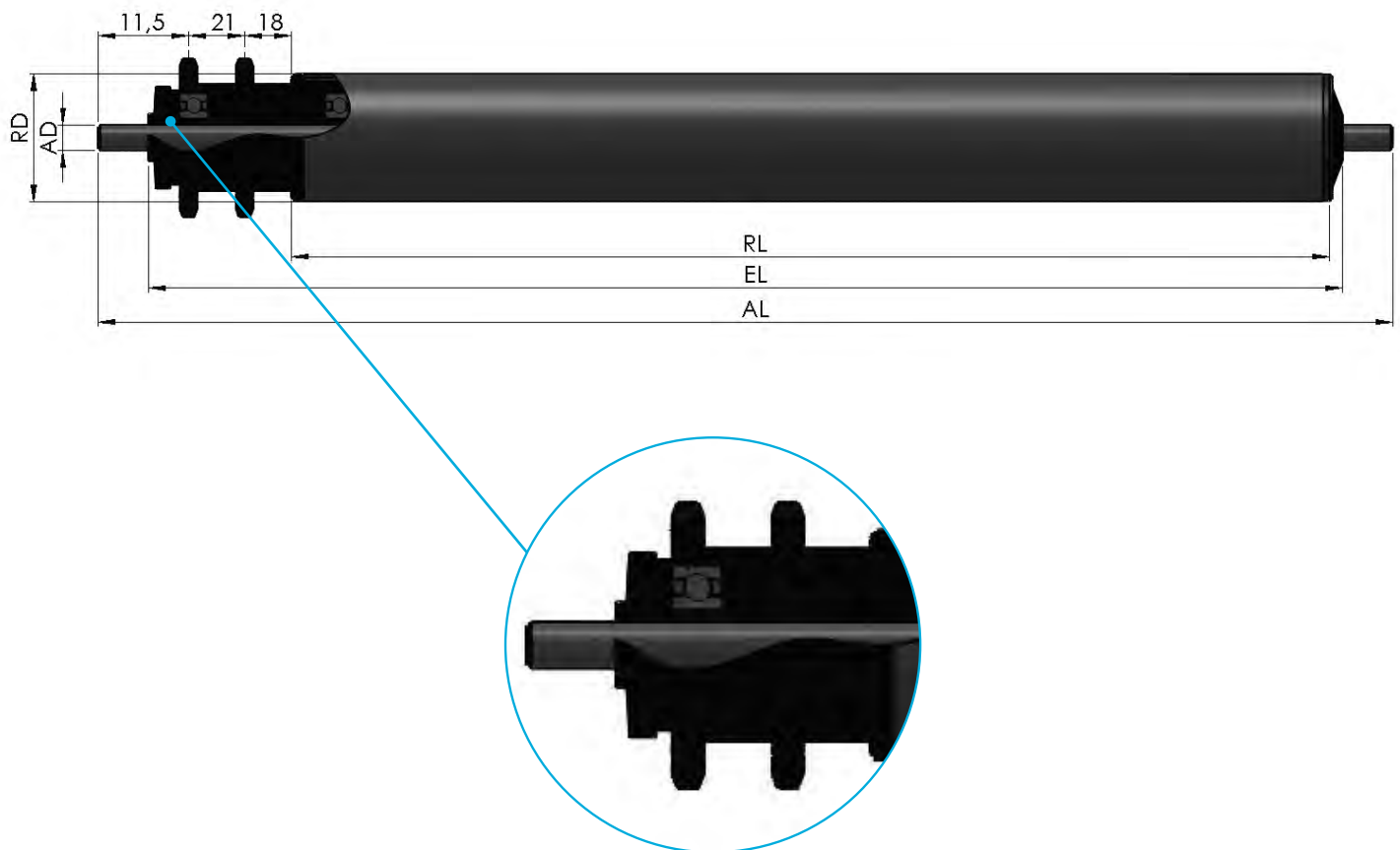


*"The axle length and installation length change depending on the type of axle end finishing"*

## Order example

type	2K-KU-1/2-Z14-fixed	TKL	50x2.8	KB	A12	IGM8	EL=557	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 100 kg



### 2K-ST-1/2-Z14-fixed/accumulating

#### Areas of use:

- for conveying lightweight to medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- double sprocket made of steel
- sprocket size: 1/2" x 5/16", with 14 teeth
- available as fix: (fixed drive) or accu: accumulating drive

#### Properties:

- temperature range: -5 to +50° C
- speed: 0.5 m/s
- load capacity: max. 100 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)



#### Optional:

- available with various coatings
- stainless steel bearing, tube and axle
- for heated and cold storage applications

## Combination

counter-bearing		tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
TKL	TRK										
x	x	50 x 1.5	10 / 12 / 14	x	x	x	x			x	x
x	x	50 x 2	10 / 12 / 14	x	x	x	x				x
x		50 x 2.8	10 / 12 / 14					x	x		
x	x	60 x 2	10 / 12 / 14	x	x	x					x
x		60.3 x 1.65	10 / 12 / 14				x				x
x		63 x 3	10 / 12 / 14					x	x		
x	x	80 x 2	10 / 12 / 14	x	x	x	x				x
x		90 x 7	10 / 12 / 14					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TKL	10	RL +	69	57
	12	RL +	71	57
	14	RL +	73	57
TRK	10	RL +	71	59
	12	RL +	73	59
	14	RL +	75	59

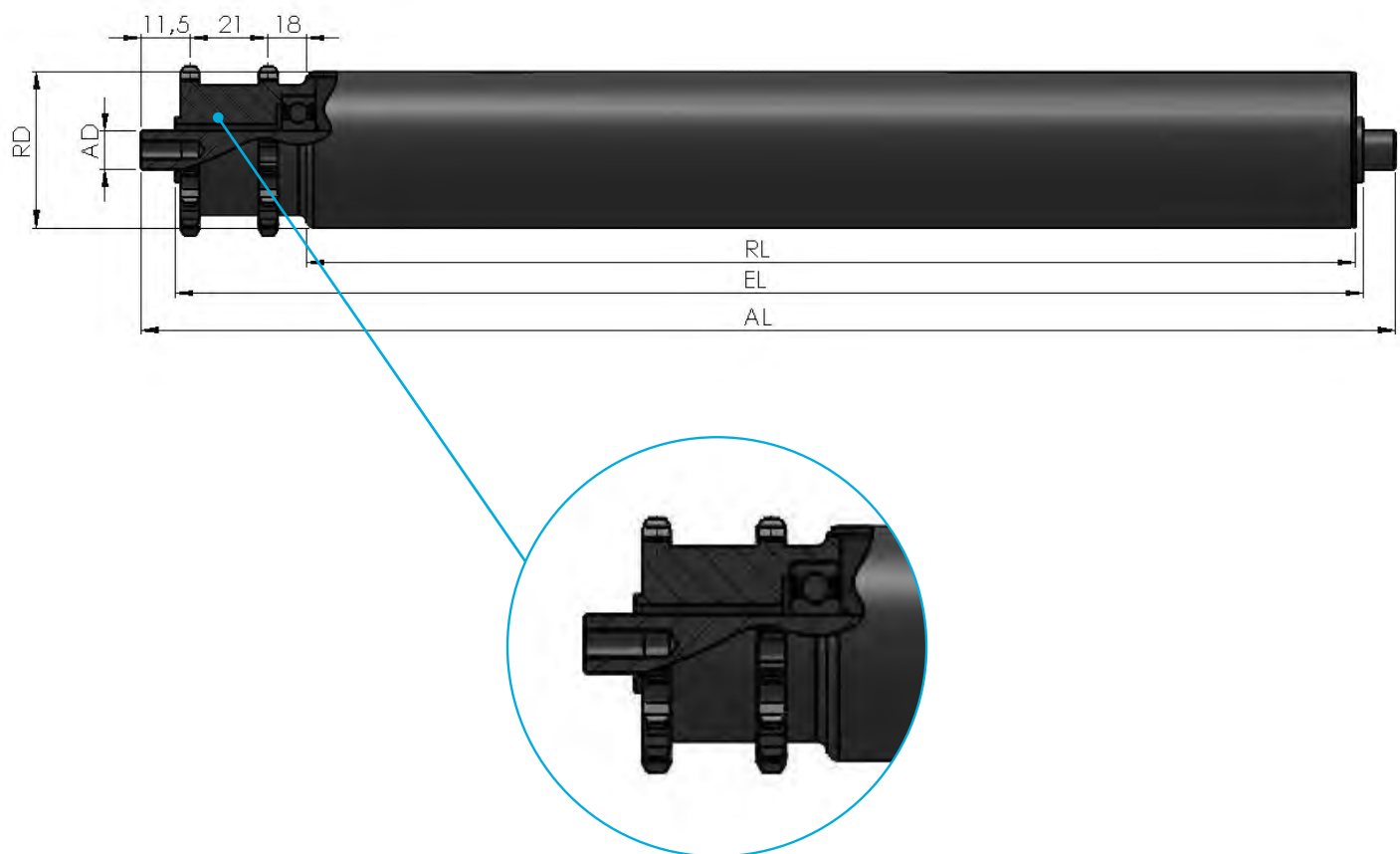


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	2K-ST-1/2-Z14-fixed	TKL	60x2	STI	A12	IGM8	EL=557	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 100 kg



### 2K-ST-1/2-Z14-welded

#### Areas of use:

- for conveying lightweight to medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- double sprocket made of steel, welded to the tube
- sprocket size: 1/2" x 5/16", with 14 teeth

#### Properties:

- temperature range: -5 to +50° C
- speed: 0.5 m/s
- load capacity: max. 100 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:



- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications
- with flanges

## Combination

### counter-bearing

TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	10 / 12 / 14	x	x	x	x			x	x
x	x	50 x 2	10 / 12 / 14	x	x	x	x				x
x		50 x 2.8	10 / 12 / 14					x	x		
x	x	60 x 2	10 / 12 / 14	x	x	x					x
x		60.3 x 1.65	10 / 12 / 14				x				x
x		63 x 3	10 / 12 / 14					x	x		
x	x	80 x 2	10 / 12 / 14	x	x	x	x				x
x		90 x 7	10 / 12 / 14					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TKL	10	RL +	69	57
	12	RL +	71	57
	14	RL +	73	57
TRK	10	RL +	71	59
	12	RL +	73	59
	14	RL +	75	59

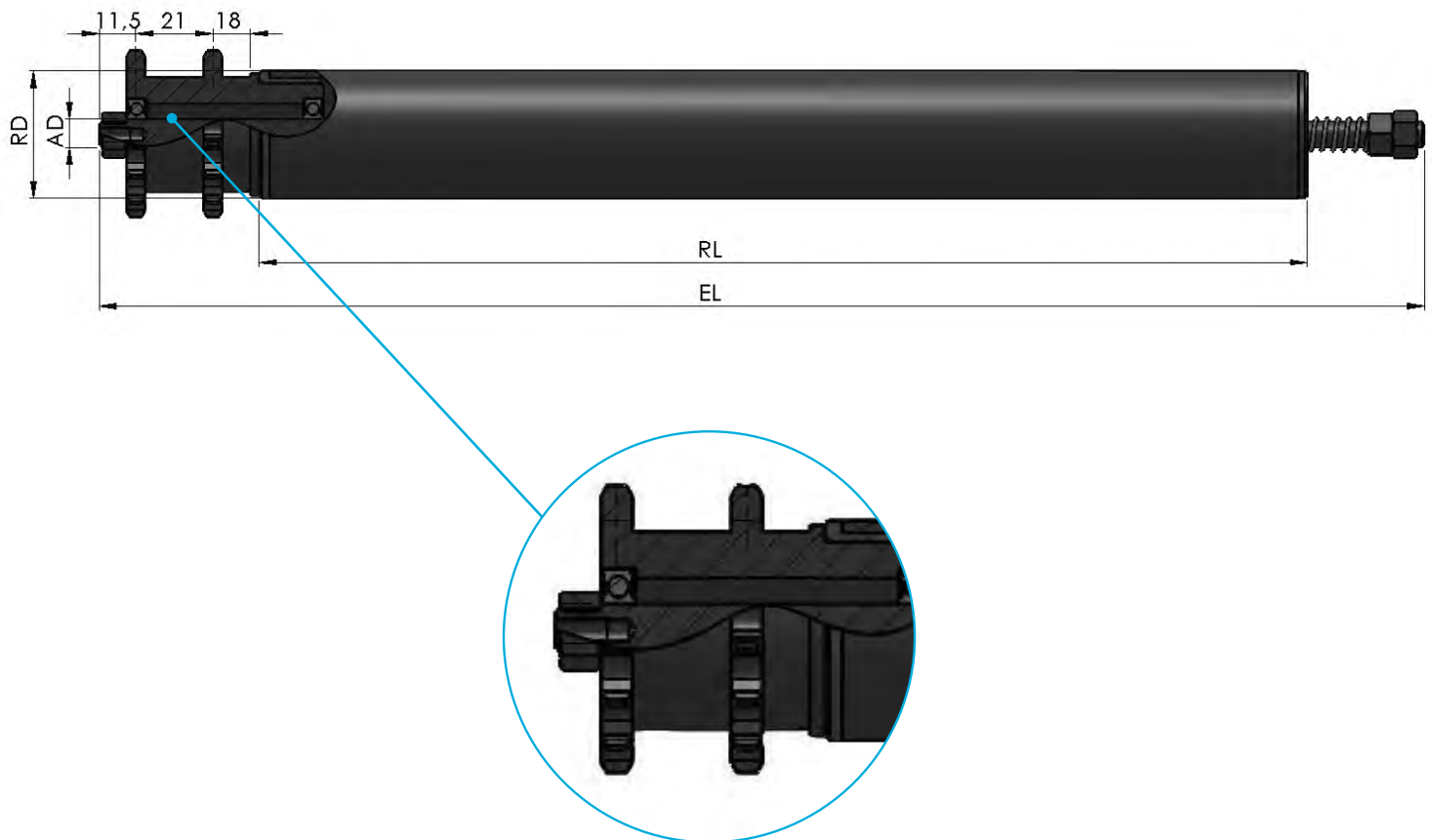


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	2K-ST-1/2-Z14-welded	TKL	60x2	STI	A12	IGM8	EL=557	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 60 kg



### 2K-ST-1/2-Z14 – adjustable accumulating drive

#### Areas of use:

- for conveying lightweight to medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- bearing type: TKL
- the type of bearing depends on the application

#### Drive:

- double sprocket made of steel
- sprocket size: 1/2" x 5/16", with 14 teeth
- the take-along force can be adjusted manually

#### Properties:

- temperature range: -5 to +50° C
- speed: 0.5 m/s
- load capacity: max. 60 kg/roller  
(Depending on the load limit of tube, bearing and axle; refer to the general information)

#### Optional:

- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications
- with flanges

## Combination

### counter-bearing

TKL	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	50 x 1.5	12	x	x	x	x			x	x
x	50 x 2	12	x	x	x	x				x
x	50 x 2.8	12					x	x		
x	60 x 2	12	x	x	x					x
x	60.3 x 1.65	12				x				x
x	63 x 3	12					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	12	RL +	82

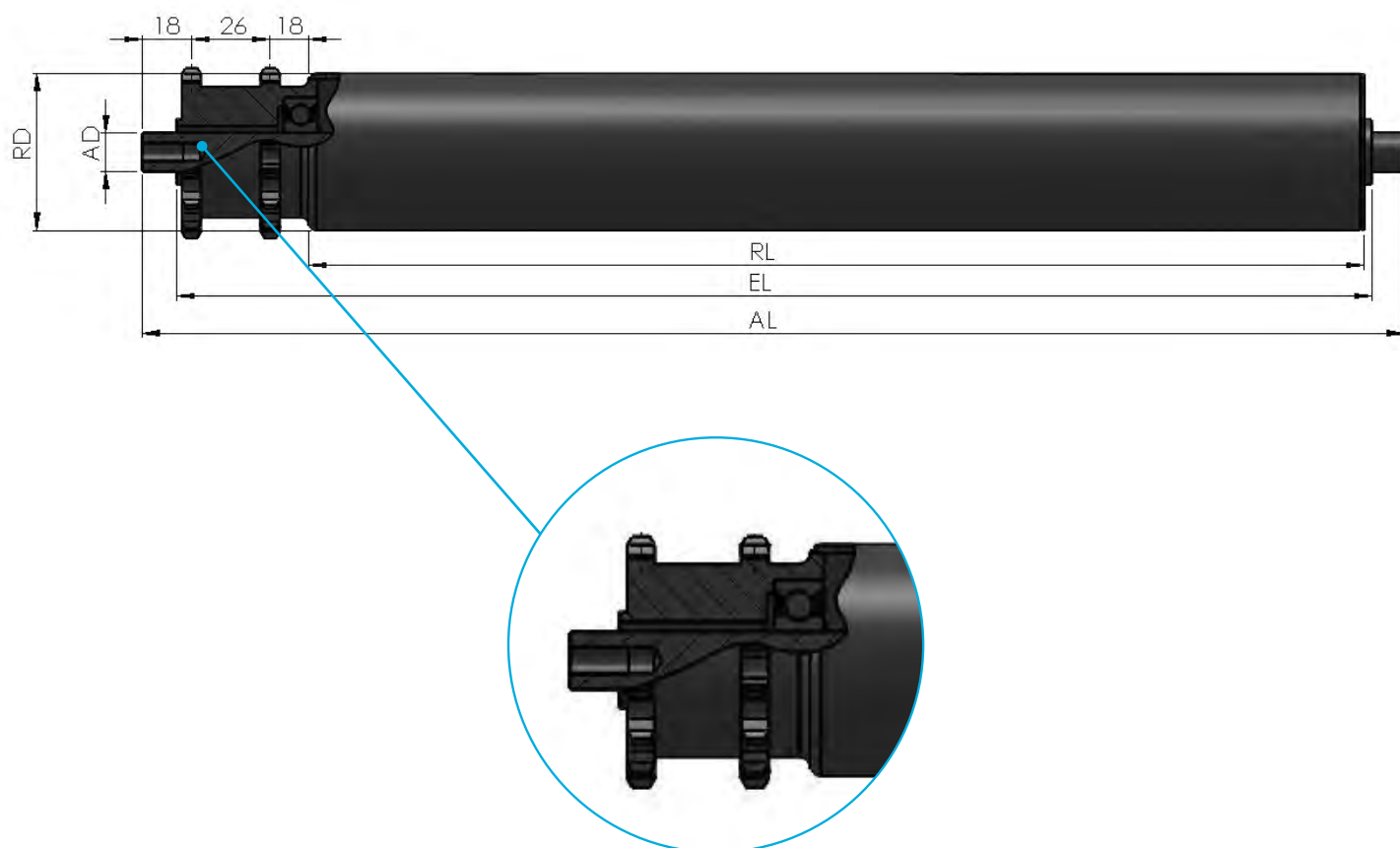


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	2K-ST-1/2-Z14-adjustable	TKL	60x2	STI	A12	IGM8	EL=682
rollers type							
type counter-bearing							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							

## power-driven carrier rollers // up to 350 kg



### 2K-ST-5 / 8-Z15

#### Areas of use:

- for transporting heavy products on a power-driven roller conveyor
- for dry and dust-free environments

#### Bearing:

- the type of bearing depends on the application  
Select between TRKS and TGF

#### Drive:

- double sprocket made of steel, welded to the tube,
- sprocket size: 5/8" x 3/8" with 15 teeth

#### Properties:

- temperature range: -5 to +80° C
- speed: 0.5 m/s
- load capacity: max. 350 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:



- available with various coatings
- antistatic
- tube and axle made from stainless steel
- for heated and cold storage applications
- with flanges



## Combination

counter-bearing							
TGF	TRKS	tube-Ø	axle-Ø	ST	STI	STP	STG
x	x	63.5 x 2.9	20	x	x		x
x	x	80 x 2	20 / 25	x	x	x	x
x	x	88.9 x 2.9	20 / 25	x	x	x	x
x	x	108 x 3.25	20 / 25	x	x	x	x
x		133 x 4	20 / 25	x	x		x

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TRKS	20	RL +	85	67
	25	RL +	87	67
TGF	20	RL +	85	67
	25	RL +	87	67

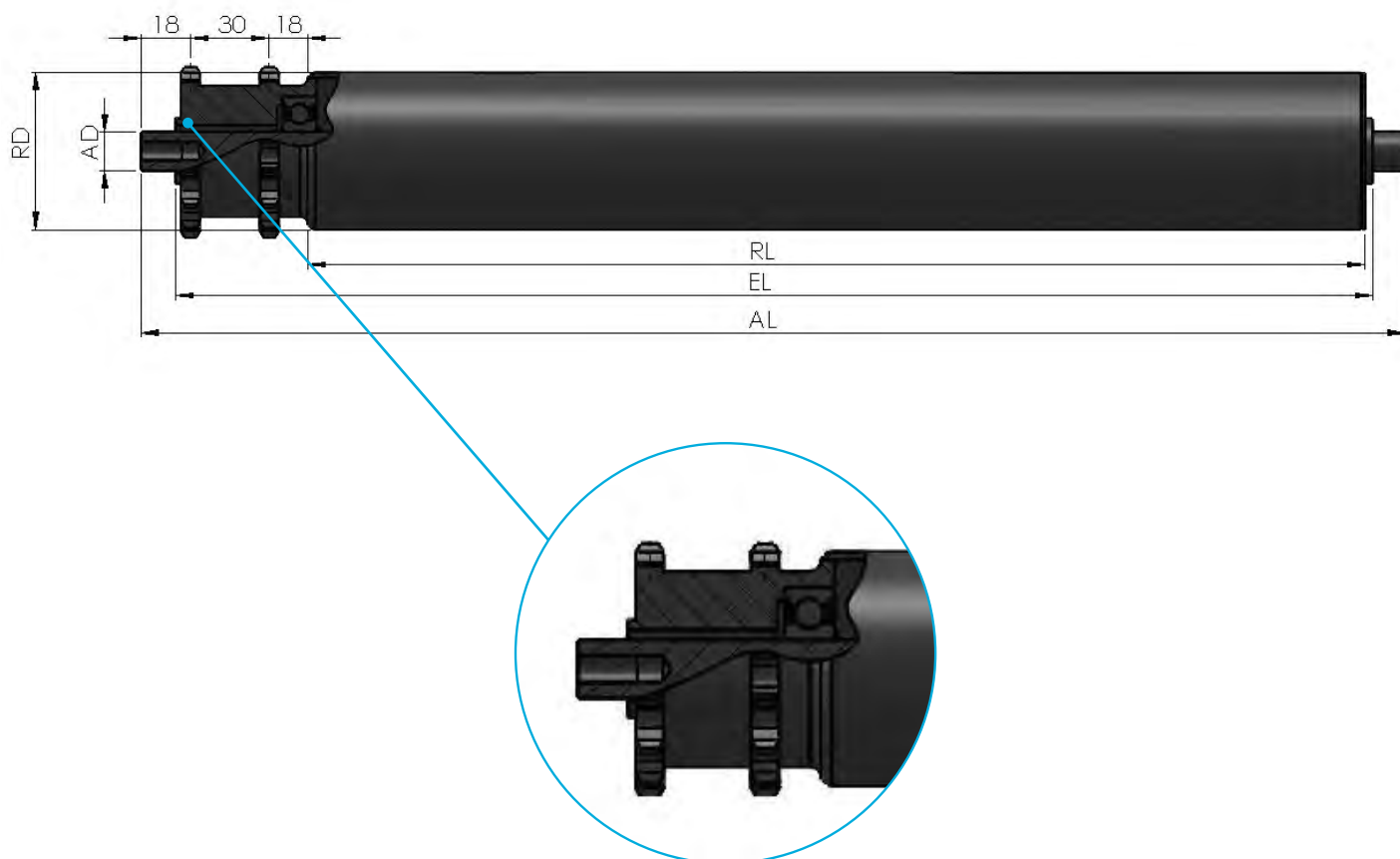


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	2K-ST-5/8 Z15	TGF	108x3.25	STI	A20	IGM12	EL=850	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 350 kg



### 2K-ST-3/4-Z13

#### Areas of use:

- for transporting heavy products on a power-driven roller conveyor
- for dry and dust-free environments

#### Bearing:

- the type of bearing depends on the application  
Select between TRKS and TGF

#### Drive:

- double sprocket made of steel, welded to the tube
- sprocket size: 3/4" x 7/16", with 13 teeth

#### Properties:

- temperature range: -5 to +80° C
- speed: 0.5 m/s
- load capacity: max. 350 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)



#### Optional:

- available with various coatings
- antistatic
- tube and axle made from stainless steel
- for heated and cold storage applications
- with flanges

## Combination

counter-bearing							
TGF	TRKS	tube-Ø	axle-Ø	ST	STI	STP	STG
x	x	80 x 2	20 / 25	x	x	x	x
x	x	88.9 x 2.9	20 / 25	x	x	x	x
x	x	108 x 3.25	20 / 25	x	x	x	x
x		133 x 4	20 / 25	x	x		x

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TRKS	20	RL +	89	71
	25	RL +	91	71
TGF	20	RL +	89	71
	25	RL +	91	71



**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	2K-ST-3/4 Z13	TGF	133x4	STI	A25	IGM16	EL=1250	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								



## Combination

### counter-bearing

TKL	KUT50	tube-Ø	axle-Ø	ST	STI	N	KB	KGH
x	x	30 x 1	8	x	x	x		
x	x	30 x 1.8	8				x	x

## Axle type

counter-bearing	axle-Ø mm	EL=	 internal thread
TKL30	8	RL +	57
KUT50	8	RL +	64

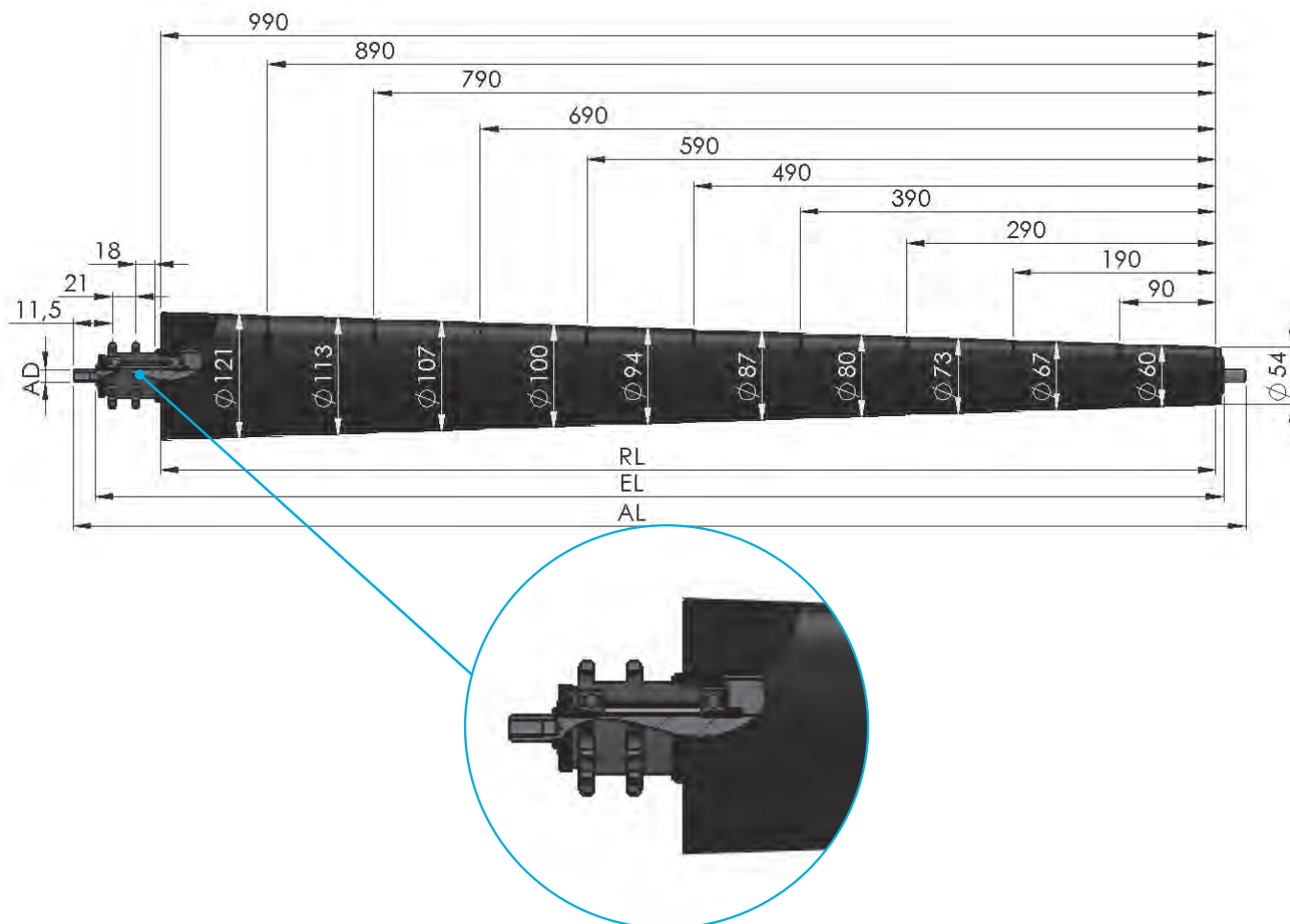


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	KFR30-2K3/8-Z12	TKL30	30x1	STI	A8	M8x15	EL=340
rollers type							
type counter-bearing							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							

## power-driven carrier rollers // up to 80 kg



### KFR50-2K-ST-1/2-Z14-fixed/accumulating/welded

#### Areas of use:

- for transporting medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- bearing base made of thermoplastic with labyrinth seal

#### Drive:

- sprocket size: 1/2" x 5/16", with 14 teeth

#### Selection:

- double sprocket made of plastic: KFR50-2K-KU-1/2-Z14
- double sprocket made of steel: KFR50-2K-ST-1/2-Z14

#### Properties:

- plastic furring strips, abrasion resistant, on inner tube  $\varnothing 50$  mm
- runs quietly
- temperature range: -5 to +50° C
- speed: max. 0.5 m/s
- load capacity: max. 80 kg/roller  
(Depending on the load limit of tube, bearing and axle; refer to the general information)

#### Optional:


- tapered tube made of steel or galvanized steel
- cone made of hard plastic
- special tapered shapes
- stainless steel bearing, tube and axle
- custom lengths

## Combination

### counter-bearing

TKL	tube-Ø	axle-Ø	ST	STI	N	KB	KGH	ALU
x	50 x 1.5	10 / 12 / 14	x	x	x			x
x	50 x 2	10 / 12 / 14	x	x	x			
x	50 x 2.8	10 / 12 / 14				x	x	
x	50 x 3	10 / 12 / 14	x	x				

## Axle type

counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	10	RL +	66
	12	RL +	66
	14	RL +	66

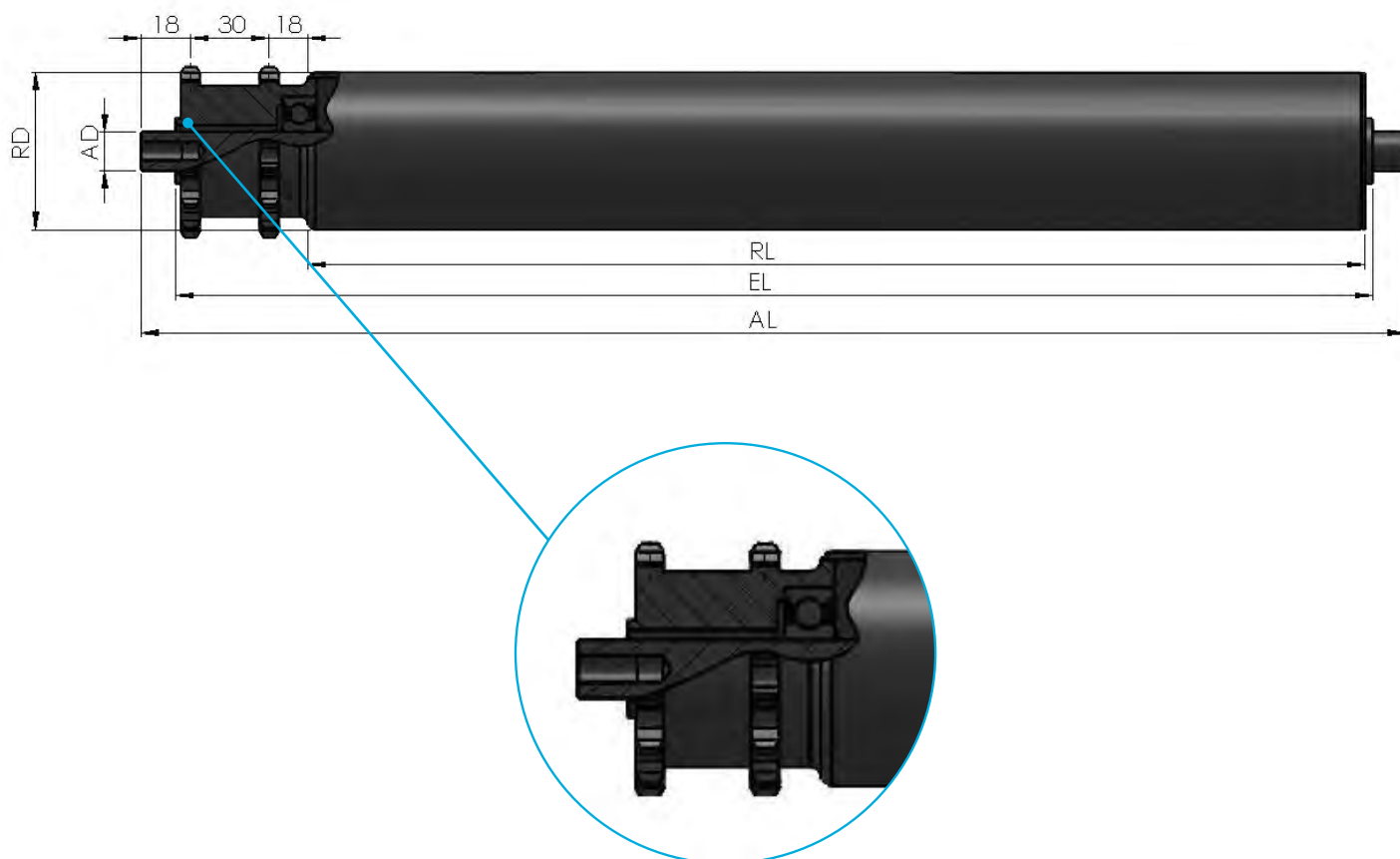


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	KFR50-2K-ST-1/2-Z14	TKL	50x1.5	STI	A12	IGM8	EL=556	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 350 kg



### 2K-ST-3/4-Z13

#### Areas of use:

- for transporting heavy products on a power-driven roller conveyor
- for dry and dust-free environments

#### Bearing:

- the type of bearing depends on the application  
Select between TRKS and TGF

#### Drive:

- double sprocket made of steel, welded to the tube
- sprocket size: 3/4" x 7/16", with 13 teeth

#### Properties:

- temperature range: -5 to +80° C
- speed: 0.5 m/s
- load capacity: max. 350 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:


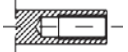
- available with various coatings
- antistatic
- tube and axle made from stainless steel
- for heated and cold storage applications
- with flanges



## Combination

counter-bearing							
TGF	TRKS	tube-Ø	axle-Ø	ST	STI	STP	STG
x	x	80 x 2	20 / 25	x	x	x	x
x	x	88.9 x 2.9	20 / 25	x	x	x	x
x	x	108 x 3.25	20 / 25	x	x	x	x
x		133 x 4	20 / 25	x	x		x

## Axle type

counter-bearing	axle-Ø mm	EL=	 external thread	 internal thread
TRKS	20	RL +	89	71
	25	RL +	91	71
TGF	20	RL +	89	71
	25	RL +	91	71

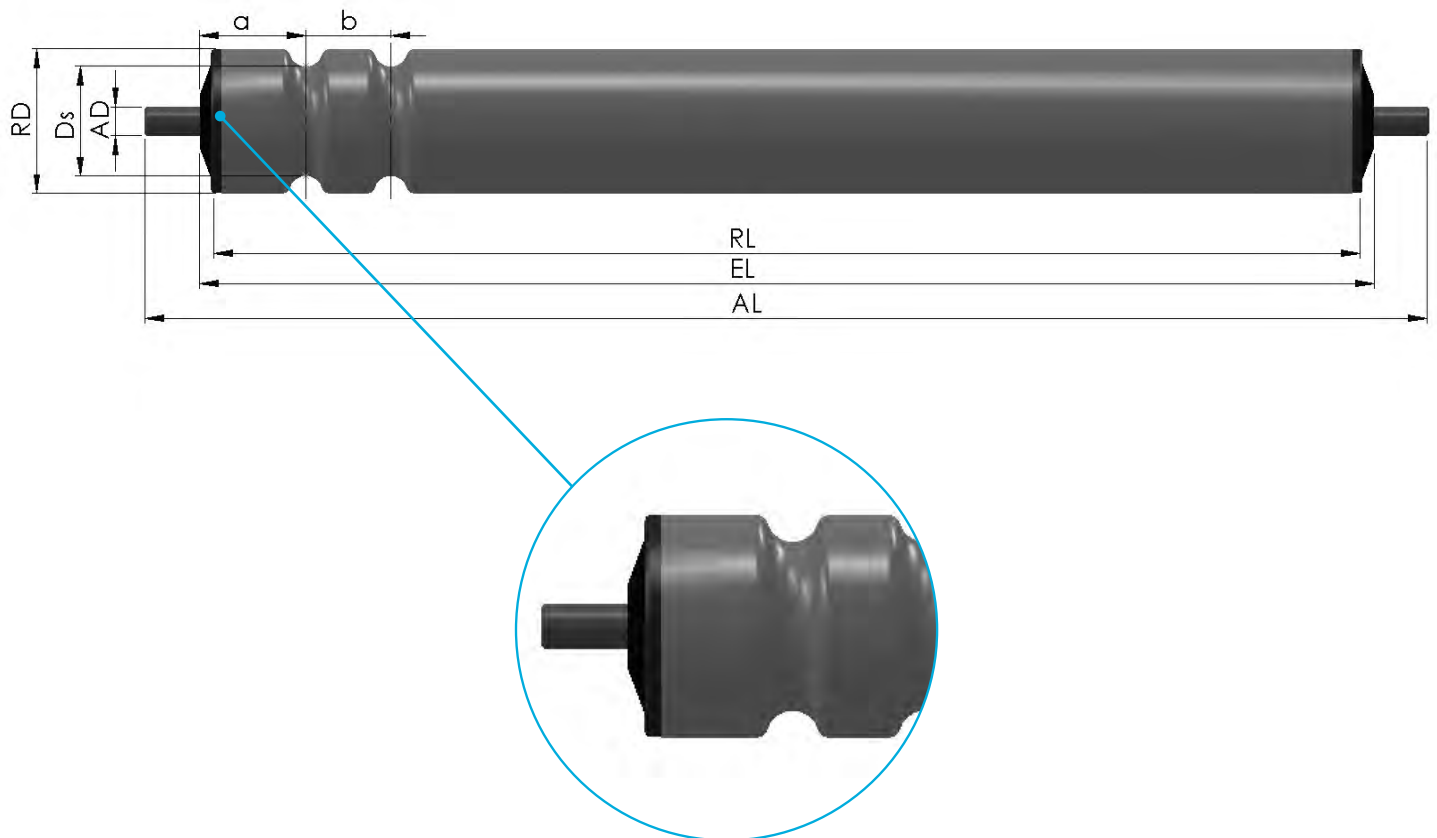


***“The axle length and installation length change depending on the type of axle end finishing”***

## Order example

type	2K-ST-3/4 Z13	TGF	133x4	STI	A25	IGM16	EL=1250	AL= x
rollers type								
type counter-bearing								
tube-Ø and wall thickness								
tube surface								
axle-Ø								
axle end finishing								
installation length								
axle length AL								

## power-driven carrier rollers // up to 50 kg



### ATS-1/ATS-2

#### Areas of use:

- for transporting lightweight or medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### Bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Properties:

- faster conveying speeds
- accumulating drive
- runs quietly
- with 1 or 2 grooves
- load capacity: max. 50 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:


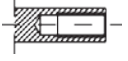
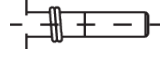
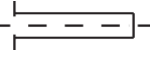
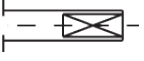
- available with various coatings
- stainless steel bearing, tube and axle

Suitable castors can be found on page 120

## Combination

bearing		tube-Ø	axle-Ø	belt	min.	min.	max.	SD	ST	STI	STP	N	KB	KGH	ALU	STG
TKL	TRK			R	a	b	a + b									
x	x	50 x 1.5	10 / SK11 / 12 / 14 / 15 / 17	5	39	30	120	40	x	x	x	x			x	x
x	x	50 x 1.5	10 / SK11 / 12 / 14 / 15 / 17	6	39	30	120	38	x	x	x	x			x	x
x	x	50 x 2.8	10 / SK11 / 12 / 14 / 15 / 17	5	39	30	97	40					x	x		
x	x	60 x 2	10 / SK11 / 12 / 14 / 15 / 17	6	44	35	120	48	x	x	x					x
x		60.3 x 1.65	10 / SK11 / 12 / 14 / 15 / 17	6	44	35	120	48				x				x
x		63 x 3	10 / SK11 / 12 / 14 / 15 / 17	5	44	35	120	53					x	x		
x	x	80 x 2	10 / SK11 / 12 / 14 / 15 / 17	8	44	35	120	64	x	x	x	x				x
x	x	88.9 x 2.9	10 / SK11 / 12 / 14 / 15 / 17	8	44	35	150	73	x	x	x	x				x

## Axle type

bearing	axle-Ø mm	EL=					
TKL	10	RL +	19	7	7	7	7
	SK11	RL +			7	7	7
	12	RL +	21	7	7	7	7
	14	RL +	23	7	7	7	7
	15	RL +		7	7	7	7
	17	RL +	23	7	7	7	7
TRK	10	RL +	22	10	10	10	10
	SK11	RL +			10		
	12	RL +	24	10	10	10	10
	14	RL +	26	10	10	10	10
	15	RL +		10	10	10	10
	17	RL +	26	10	10	10	10

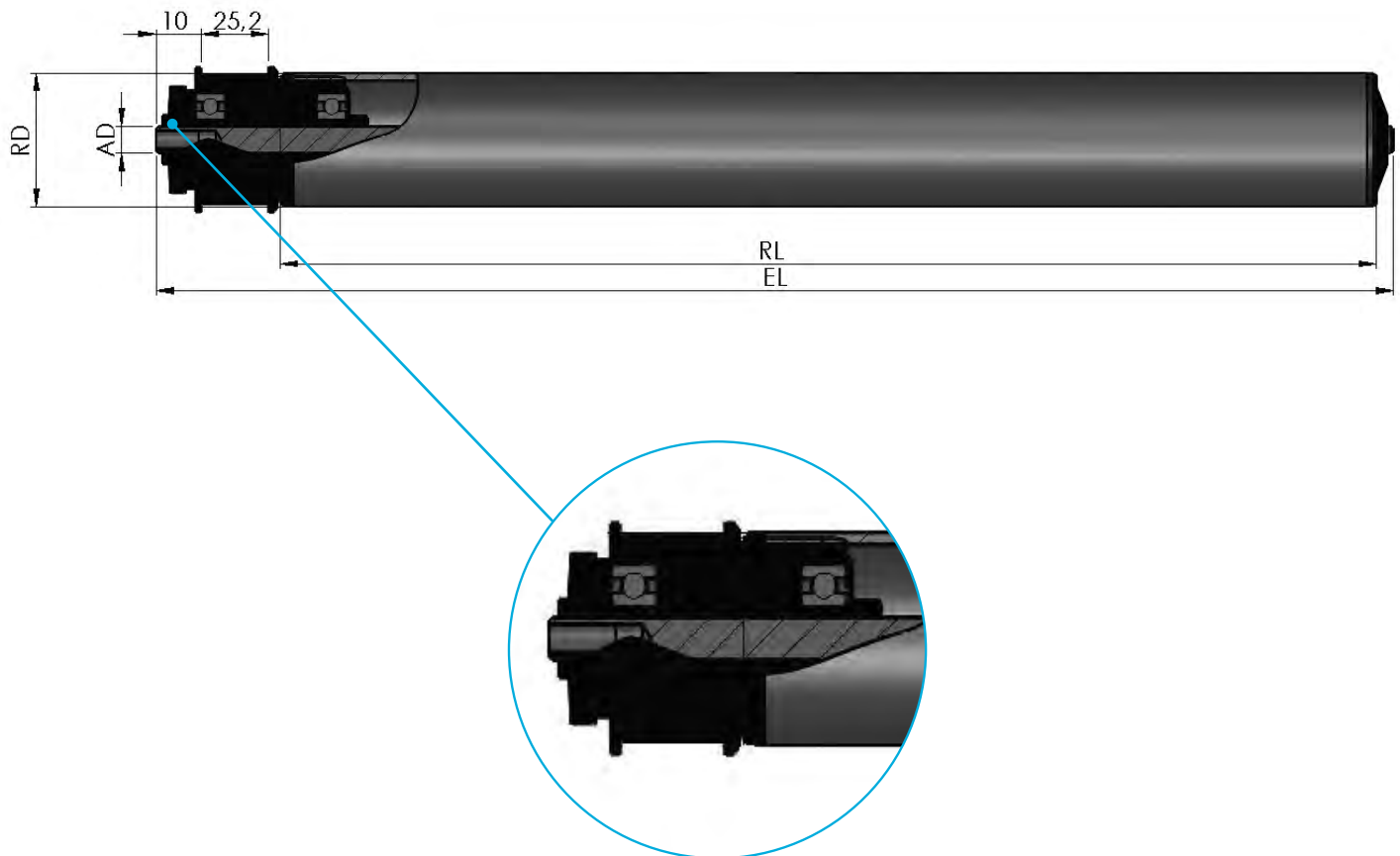


**"The axle length and installation length change depending on the type of axle end finishing"**

## Order example

type	ATS-2	TKL	50x1.5	STI	38	39	30	A12	IGM8	EL=446	AL= x
type-roller											
bearing type											
tube-Ø and wall thickness											
tube surface											
ds											
a // EL-middle-corrugation											
b // middle-corrugation											
axle-Ø											
axle end finishing											
installation length											
axle length AL											

## power-driven carrier rollers // up to 40 kg



### 2Z-KU-fixed/accumulating

#### Areas of use:

- for transporting lightweight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- toothed belt made of plastic, with 20 teeth, t8 polychain
- available as 2Z-KU-Fix: (fixed drive) or  
2Z-KU-Accu: (accumulating drive)

#### Properties:

- minimal running noises
- faster conveying speeds
- load capacity: max. 40 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:


- variety of coatings are available
- stainless steel bearing, tube and axle

Suitable castors can be found on page 120

## Combination

counter-bearing											
TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	12 / 14	x	x	x	x			x	x
x	x	50 x 2	12 / 14	x	x	x	x				x
x		50 x 2.8	12 / 14					x	x		
x	x	60 x 2	12 / 14	x	x	x					x
x		60.3 x 1.65	12 / 14				x				x
x		63 x 3	12 / 14					x	x		
x	x	63.5 x 2.9	12 / 14	x	x						x
x	x	80 x 2	12 / 14	x	x	x	x				x
x		90 x 7	12 / 14					x	x		

## Axle type

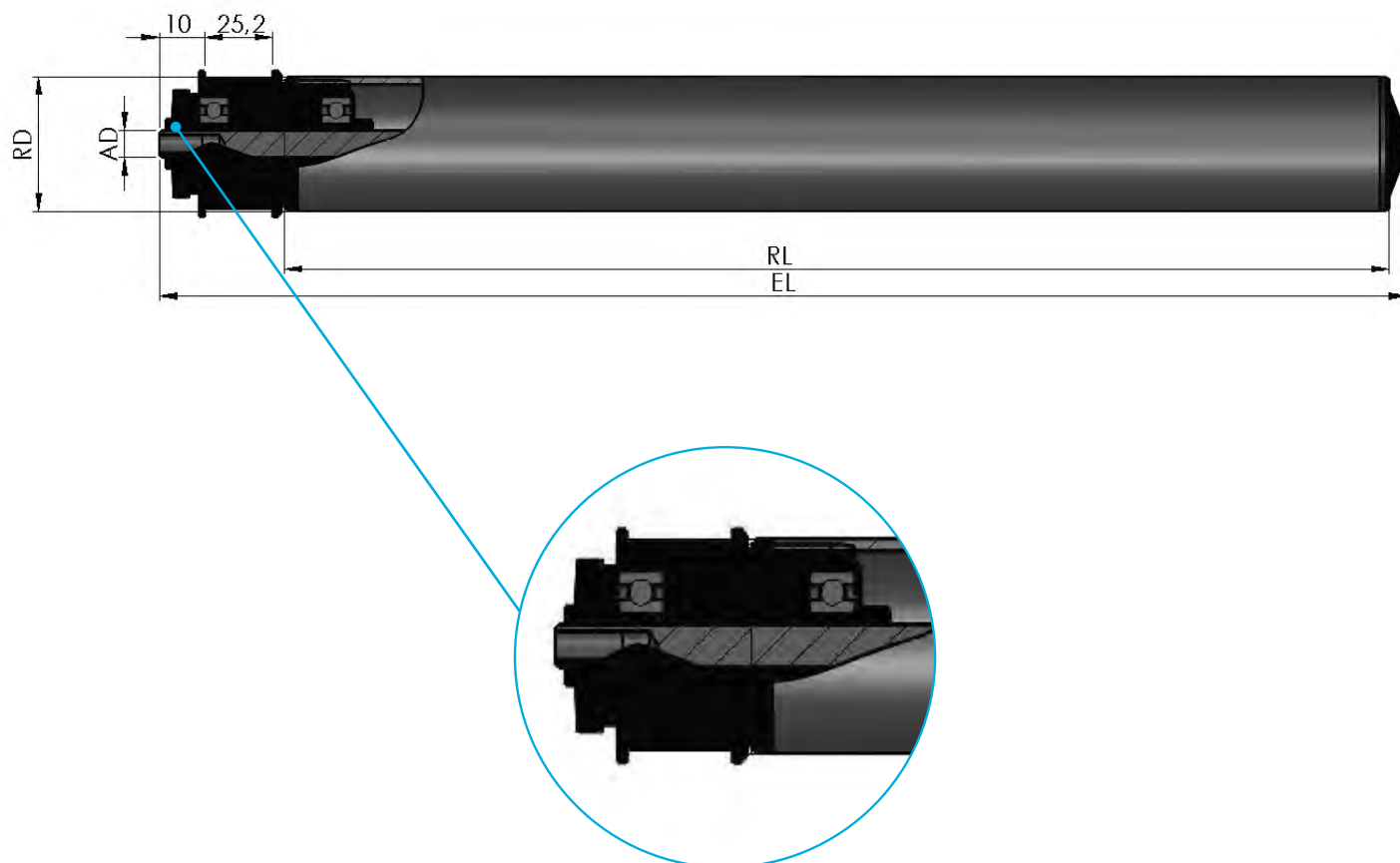
counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	12	RL +	46
	14	RL +	46
TRK	12	RL +	48
	14	RL +	48

 "Other axle end finishes are possible"

## Order example

type	2Z-KU-fixed	TKL	50x2	STI	A12	IGM8	EL=446
rollers type							
type counter-bearing							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							

## power-driven carrier rollers // up to 100 kg



### 2Z-ST-fixed/accumulating

#### Areas of use:

- for transporting medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- toothed belt made of steel, with 20 teeth, t8 polychain
- available as 2Z-ST-Fix: (fixed drive) or  
2Z-ST-Accu: (accumulating drive)

#### Properties:

- faster conveying speeds
- load capacity: max. 100 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:


- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications

Suitable castors can be found on page 120

## Combination

counter-bearing											
TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	12 / 14 / 15 / 17	x	x	x	x			x	x
x	x	50 x 2	12 / 14 / 15 / 17	x	x	x	x				x
x		50 x 2.8	12 / 14 / 15 / 17					x	x		
x	x	60 x 2	12 / 14 / 15 / 17	x	x	x					x
x		60.3 x 1.65	12 / 14 / 15 / 17				x				x
x		63 x 3	12 / 14 / 15 / 17					x	x		
x	x	63.5 x 2.9	12 / 14 / 15 / 17	x	x						x
x	x	80 x 2	12 / 14 / 15 / 17	x	x	x	x				x
x		90 x 7	12 / 14 / 15 / 17					x	x		

## Axle type

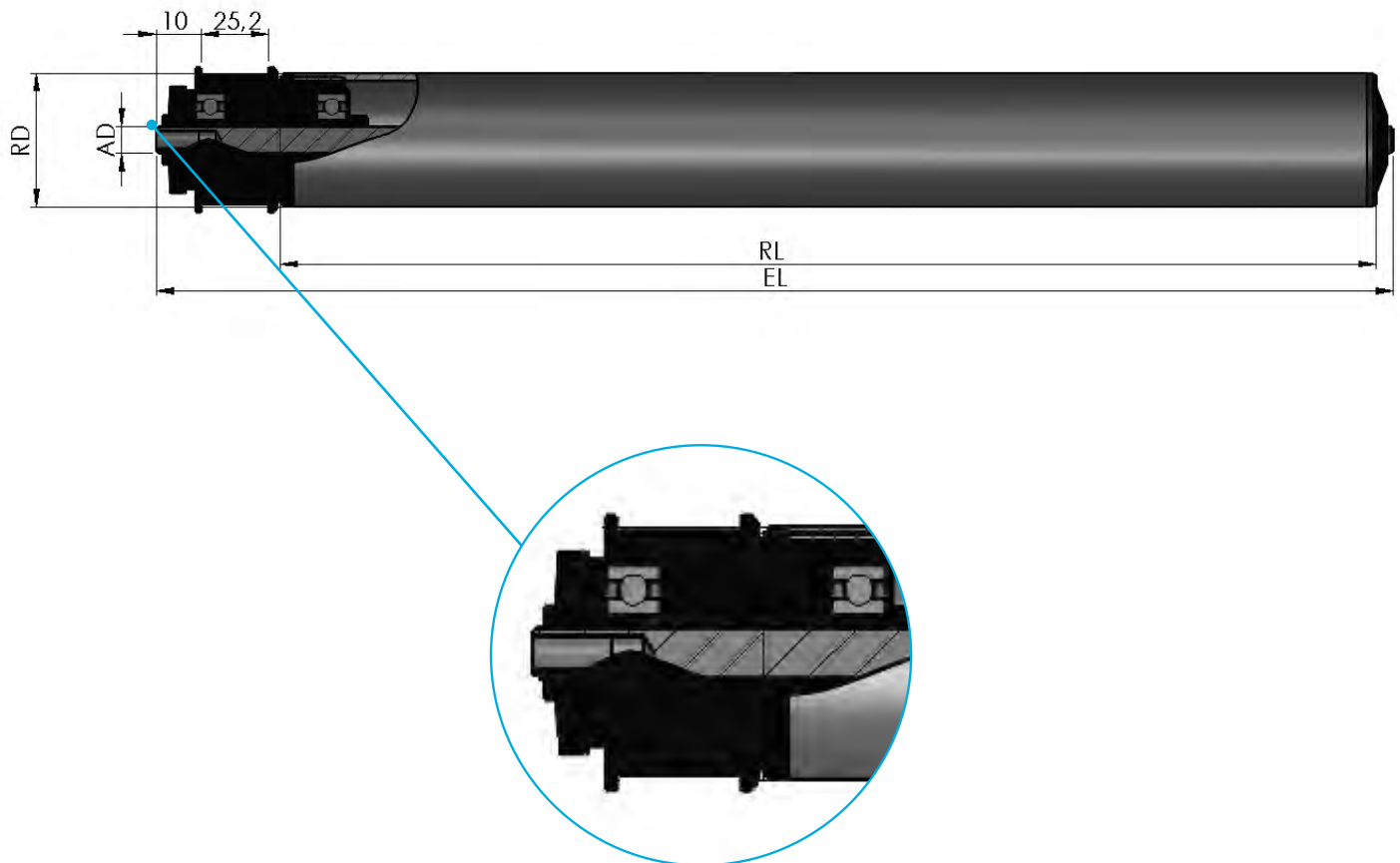
counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	12	RL +	46
	14	RL +	46
	15	RL +	46
	17	RL +	46
TRK	12	RL +	48
	14	RL +	48
	15	RL +	48
	17	RL +	48

 "Other axle end finishes are possible"

## Order example

type	2Z-ST-accumulating	TKL	50x2	STI	A12	IGM8	EL=446
rollers type							
type counter-bearing							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							

## power-driven carrier rollers // up to 100 kg



### 2Z-ST-welded

#### Areas of use:

- for transporting medium-weight products on a power-driven roller conveyor
- for dry and dust-free environments

#### counter-bearing:

- the type of bearing depends on the application  
select between TKL and TRK

#### Drive:

- toothed belt made of steel, with 20 teeth, T8 polychain

#### Properties:

- faster conveying speeds
- load capacity: max. 100 kg/roller  
(Depending on the load limit of tube, bearing and axle;  
refer to the general information)

#### Optional:

- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications

Suitable castors can be found on page 120




## Combination

### counter-bearing

TKL	TRK	tube-Ø	axle-Ø	ST	STI	STP	N	KB	KGH	ALU	STG
x	x	50 x 1.5	12 / 14 / 15 / 17	x	x	x	x			x	x
x	x	50 x 2	12 / 14 / 15 / 17	x	x	x	x				x
x		50 x 2.8	12 / 14 / 15 / 17					x	x		
x	x	60 x 2	12 / 14 / 15 / 17	x	x	x					x
x		60.3 x 1.65	12 / 14 / 15 / 17				x				x
x		63 x 3	12 / 14 / 15 / 17					x	x		
x	x	63.5 x 2.9	12 / 14 / 15 / 17	x	x						x
x	x	80 x 2	12 / 14 / 15 / 17	x	x	x	x				x
x		90 x 7	12 / 14 / 15 / 17					x	x		

## Axle type

counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	12	RL +	46
	14	RL +	46
	15	RL +	46
	17	RL +	46
TRK	12	RL +	48
	14	RL +	48
	15	RL +	48
	17	RL +	48

 "Other axle end finishes are possible"

## Order example

type	2Z-ST-welded	TKL	50x2	STI	A12	IGM8	EL=446
rollers type							
type counter-bearing							
tube-Ø and wall thickness							
tube surface							
axle-Ø							
axle end finishing							
installation length							

## drum motors // max. belt tug up to 35,000 N



### Description:

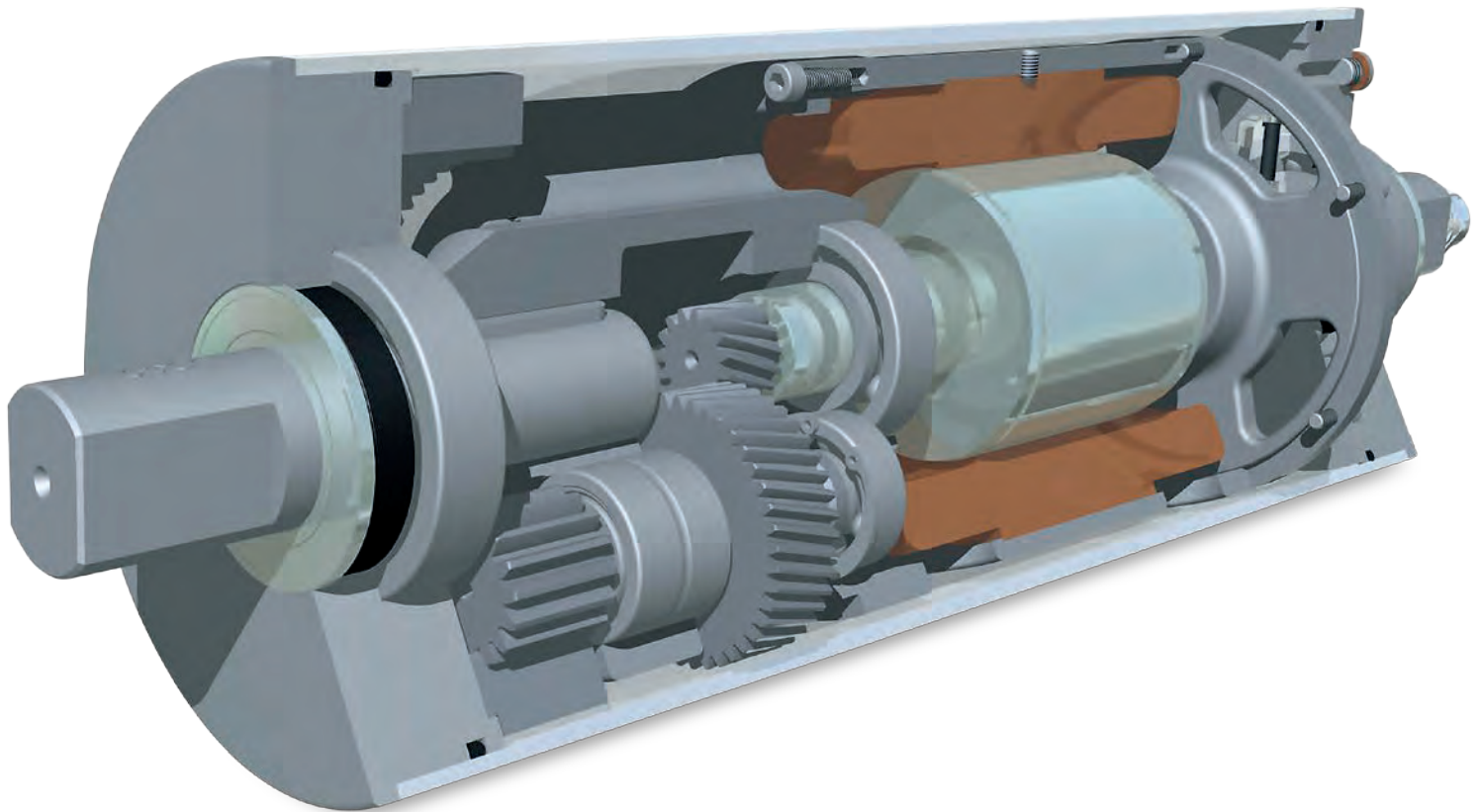
Drum motors are used for driving stationary or transportable conveyor belts to transport diverse types of bulk articles. They are also used in transportation systems without belts. Drum motors are being used for an increasing variety of drive applications because of their space-saving construction and good adaptability to varying operating conditions. They have been used successfully for decades in many different conveyor-based materials handling applications.

Depending on customer requirements, drum motors can also be produced with different rubber coatings.

drum motors	drum motors-Ø outside mm	drum motors-Ø center mm	min. drum length mm	min. power P2 KW	max. power P2 KW	min. belt speed m/s	max. belt speed m/s
TTM111 Ident No.: 0026045	112.5	113.5	280	0.075	0.55	0.09	3.47
TTM135 Ident No.: 0026046	135	136.5	310	0.09	0.75	0.05	1.01
TTM160 Ident No.: 0026047	160	161.5	320	0.09	0.75	0.06	1.19
TTM165 Ident No.: 0026048	164	165	425	0.37	1.5	0.19	2.57
TTM216 Ident No.: 0026049	213.5	216	450	0.37	3	0.25	2.2
TTM321 Ident No.: 0026050	318	321	680	1.5	7.5	0.48	3.28
TTM415 Ident No.: 0026051	413	415	750	3	15	0.6	2.17
TTM518 Ident No.: 0026052	515	518	850	4	22	0.51	2.14
TTM60 Ident No.: 0026053	61.5	62.5	365	0.03	0.08	0.09	1.9
TTM620 Ident No.: 0026054	618	620	850	7.5	22	0.77	2.56
TTM630 Ident No.: 0026055	626	630	950	30	55	1.25	4
TTM80 Ident No.: 0026056	78.5	79.5	330	0.06	0.12	0.11	2.57

**The following data are required to process your request/order:**

- drum diameter: from Ø 60 mm;
- drum shape: spherical, cylindrical;
- material: steel, stainless steel, aluminium, rubber
- size specifications: roller length, installation length, axle dimensions (incl. wrench size)
- power: speed, voltage, frequency
- a frequency inverter can be used for speed adjustments.
- protection class: IP65, IP66, IP67



## braking rollers // up to 1,200 kg



### Description:

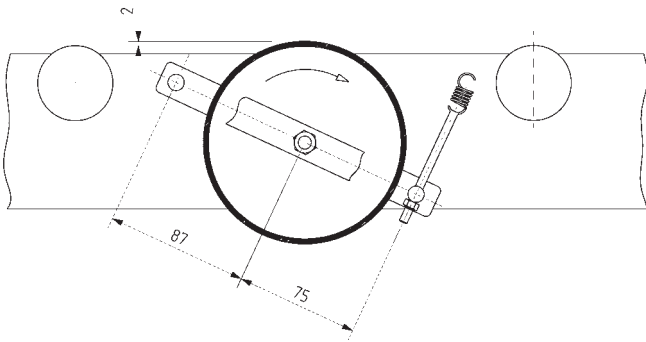
Braking rollers are built into the gravity-driven roller conveyor at regular intervals so that the conveyed goods maintain a constant speed. This can be done directly or indirectly. The selection and placement of brake rollers for your specific application depends on several factors.

A planetary (epicyclic) gear mechanism is built into the roller. Depending on the speed, this mechanism presses a centrifugal brake shoe against the inner side of the brake roller.

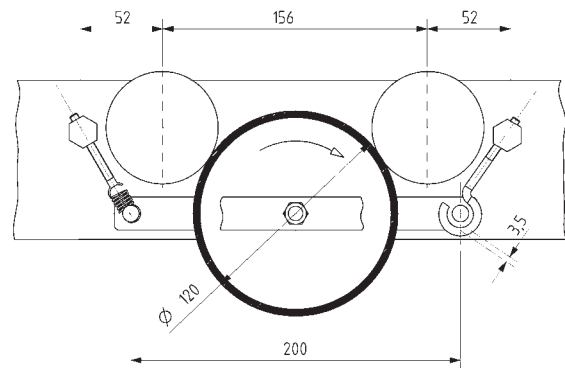
Our experience shows that one brake roller per load carrier should be added so that a constant conveying speed is maintained. When the brake rollers have been properly integrated, the conveying speed should be between 0.2 and 0.25 m/s. The conveying speed should not exceed 0.3 m/s. We recommend using flow tests on your application to determine the best gap between the brake rollers.

braking rollers	permissible pallet weight kg	braking	clip bolt
TBR 300 Ident No.: 0024654	300	direct, indirect	HS67, HS88
TBR 500 Ident No.: 0024655	500	direct, indirect	HS67, HS88
TBR 800 Ident No.: 0024657	800	direct, indirect	HS67, HS88
TBR 1,000 Ident No.: 0030268	1,000	direct, indirect	HS67, HS88
TBR 1200 Ident No.: 0024653	1,200	direct, indirect	HS67, HS88

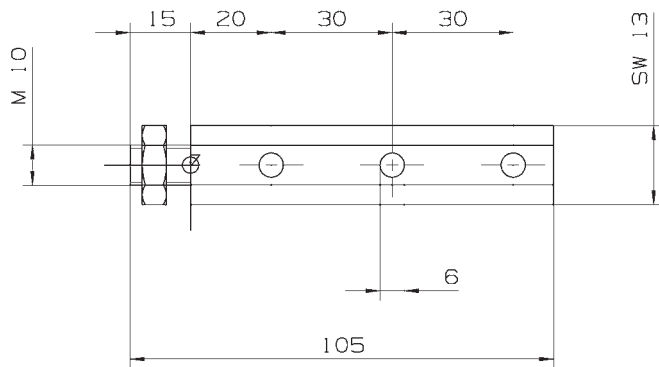
## Direct braking



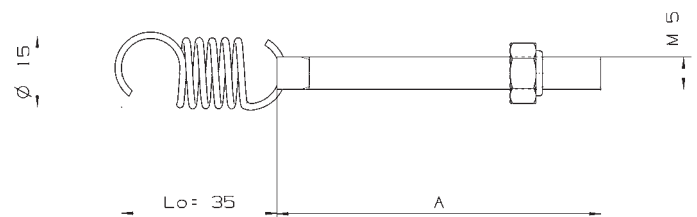
## Indirect braking



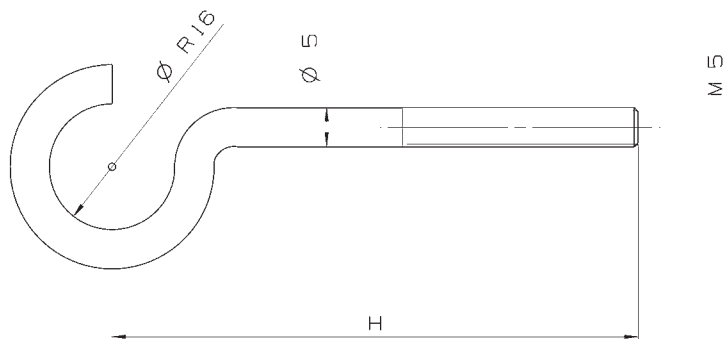
## Suspension axle



## Spring suspension



## Clip bolt



brake carrier roller // up to 1,400 kg

Description:

- permitted for weights range from 80 to 1,400 k
- brake carrier roller: Ø 80 mm
- can be used down to 0° C ambient temperature

Design of the support tube:

- bright steel or galvanized steel
- with rubber lining or 5 mm PVC tubing (when transporting steel or plastic plates)
- with knurled tube (when transporting plastic plates)

Available types of holding bracket:

- with rigid bracket: for braking in both directions
- with free-wheel bracket for use with push-in roller tracks: for braking in one direction



braking roller	material of tube		holder execution
TBTS80-124 Ident No.: 0040200	bright steel or galvanized steel		rigid bracket
TBTS 80 Ident No.: 0040201	bright steel or galvanized steel		rigid bracket



*“We can also deliver customized lengths to match your requirements”*

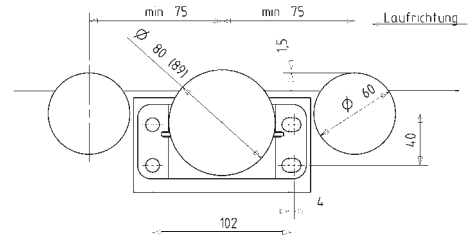
### Special version:

- version for freezer usage: for temperatures down to  $-30^{\circ}\text{C}$   
(normal version can only be used to  $0^{\circ}\text{C}$ )

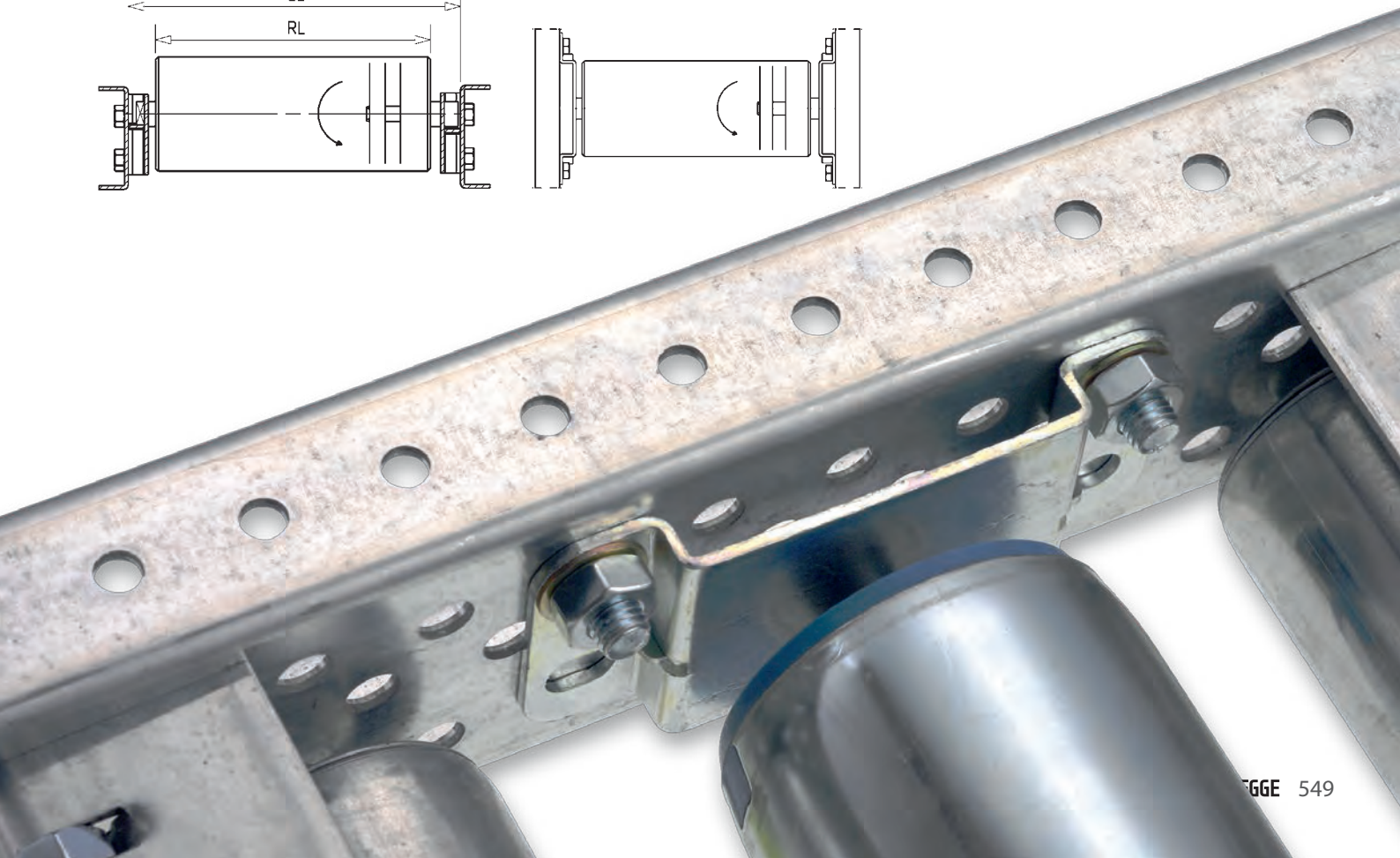
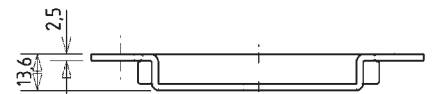
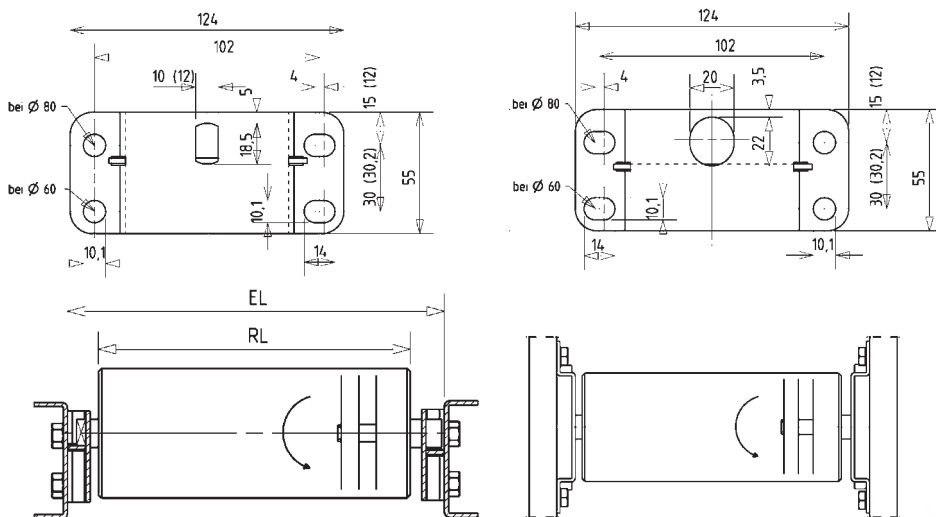
### Standard lengths:

- 1,072 mm for transverse transport of EURO pallets
- 872 mm for lengthwise transport of EURO pallets
- 124 mm for pallet roller tracks (width version TBTS80-124)

### Installation variant



### Braking rollers







carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller lengthmm	Installation length mm	axle length mm
KUT50-20x1,5-KB-A8-FA-EL=200 Ident No.: 0034500	20	plastic blue	8	spring axle	195	200	220
KUT50-20x1,5-KB-A8-FA-EL=300 Ident No.: 0034501	20	plastic blue	8	spring axle	295	300	320
KUT50-20x1,5-KB-A8-FA-EL=400 Ident No.: 0034502	20	plastic blue	8	spring axle	395	400	420
KUT50-20x1,5-KB-A8-FA-EL=500 Ident No.: 0034503	20	plastic blue	8	spring axle	495	500	520



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length mm	Installation length mm	axle length mm
KUT50-30x1,8-KB-A8-FA-EL=200 Ident No.: 0034504	30	plastic blue	8	spring axle	195	200	220
KUT50-30x1,8-KB-A8-FA-EL=300 Ident No.: 0034505	30	plastic blue	8	spring axle	295	300	320
KUT50-30x1,8-KB-A8-FA-EL=400 Ident No.: 0034506	30	plastic blue	8	spring axle	395	400	420
KUT50-30x1,8-KB-A8-FA-EL=500 Ident No.: 0034507	30	plastic blue	8	spring axle	495	500	520



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length mm	Installation length mm	axle length mm
KUT50-40x2,3-KB-A8-FA-EL=200 Ident No.: 0034508	40	plastic blue	8	spring axle	195	200	220
KUT50-40x2,3-KB-A8-FA-EL=300 Ident No.: 0034509	40	plastic blue	8	spring axle	295	300	320
KUT50-40x2,3-KB-A8-FA-EL=400 Ident No.: 0034510	40	plastic blue	8	spring axle	395	400	420
KUT50-40x2,3-KB-A8-FA-EL=500 Ident No.: 0034511	40	plastic blue	8	spring axle	495	500	520



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length mm	Installation length mm	axle length mm
KUT100-50x2,8-KB-A8-FA-EL=200 Ident No.: 0034512	50	plastic blue	8	spring axle	193	200	220
KUT100-50x2,8-KB-A8-FA-EL=300 Ident No.: 0034513	50	plastic blue	8	spring axle	293	300	320
KUT100-50x2,8-KB-A8-FA-EL=400 Ident No.: 0034514	50	plastic blue	8	spring axle	393	400	420
KUT100-50x2,8-KB-A8-FA-EL=500 Ident No.: 0034515	50	plastic blue	8	spring axle	493	500	520
KUT100-50x2,8-KB-A8-FA-EL=600 Ident No.: 0034516	50	plastic blue	8	spring axle	593	600	620



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length- mm	Installation length mm	axle length mm
TRG-50x1,5-STI-A12-IGM8-EL=200 Ident No.: 0022776	50	steel galvanized	12	internal thread	194	200	200
TRG-50x1,5-STI-A12-IGM8-EL=300 Ident No.: 0022777	50	steel galvanized	12	internal thread	294	300	300
TRG-50x1,5-STI-A12-IGM8-EL=400 Ident No.: 0022778	50	steel galvanized	12	internal thread	394	400	400
TRG-50x1,5-STI-A12-IGM8-EL=500 Ident No.: 0022779	50	steel galvanized	12	internal thread	494	500	500
TRG-50x1,5-STI-A12-IGM8-EL=600 Ident No.: 0022780	50	steel galvanized	12	internal thread	594	600	600



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length mm	Installation length mm	axle length mm
TRG-60x2-STI-A12-IGM8-EL=200 Ident No.: 0022781	60	steel galvanized	12	internal thread	194	200	200
TRG-60x2-STI-A12-IGM8-EL=300 Ident No.: 0022782	60	steel galvanized	12	internal thread	294	300	300
TRG-60x2-STI-A12-IGM8-EL=400 Ident No.: 0022783	60	steel galvanized	12	internal thread	394	400	400
TRG-60x2-STI-A12-IGM8-EL=500 Ident No.: 0022784	60	steel galvanized	12	internal thread	494	500	500
TRG-60x2-STI-A12-IGM8-EL=600 Ident No.: 0022785	60	steel galvanized	12	internal thread	594	600	600



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length mm	Installation length mm	axle length mm
TRG-80x2-STI-A12-IGM8-EL=200 Ident No.: 0022786	80	steel galvanized	12	internal thread	190	200	200
TRG-80x2-STI-A12-IGM8-EL=300 Ident No.: 0022787	80	steel galvanized	12	internal thread	290	300	300
TRG-80x2-STI-A12-IGM8-EL=400 Ident No.: 0022788	80	steel galvanized	12	internal thread	390	400	400
TRG-80x2-STI-A12-IGM8-EL=500 Ident No.: 0022789	80	steel galvanized	12	internal thread	490	500	500
TRG-80x2-STI-A12-IGM8-EL=600 Ident No.: 0022790	80	steel galvanized	12	internal thread	590	600	600
TRG-80x2-STI-A12-IGM8-EL=700 Ident No.: 0022791	80	steel galvanized	12	internal thread	790	800	800



**"All carrier rollers are available  
directly from stock"**



carrier rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length- mm	Installati- on length mm	axle length mm
TRST63,5-20-200 Ident No.: 0025876	63.5	steel	20	spanner flat	200	206	226
TRST63,5-20-250 Ident No.: 0025877	63.5	steel	20	spanner flat	250	256	276
TRST63,5-20-315 Ident No.: 0025878	63.5	steel	20	spanner flat	315	321	341
TRST63,5-20-380 Ident No.: 0025879	63.5	steel	20	spanner flat	380	386	406
TRST63,5-20-465 Ident No.: 0025880	63.5	steel	20	spanner flat	465	471	491
TRST63,5-20-500 Ident No.: 0025881	63.5	steel	20	spanner flat	500	506	532
TRST63,5-20-600 Ident No.: 0025883	63.5	steel	20	spanner flat	600	606	632
TRST63,5-20-750 Ident No.: 0025884	63.5	steel	20	spanner flat	750	756	782
TRST63,5-20-950 Ident No.: 0025885	63.5	steel	20	spanner flat	950	956	982
TRST63,5-20-1150 Ident No.: 0025875	63.5	steel	20	spanner flat	1,150	1,156	1,182
TRST89-20-200 Ident No.: 0025887	89	steel	20	spanner flat	200	206	226
TRST89-20-250 Ident No.: 0025888	89	steel	20	spanner flat	250	256	276
TRST89-20-315 Ident No.: 0025889	89	steel	20	spanner flat	315	321	341
TRST89-20-380 Ident No.: 0025890	89	steel	20	spanner flat	380	386	406
TRST89-20-465 Ident No.: 0025891	89	steel	20	spanner flat	465	471	491
TRST89-20-500 Ident No.: 0025892	89	steel	20	spanner flat	500	506	532
TRST89-20-530 Ident No.: 0025894	89	steel	20	spanner flat	530	536	556
TRST89-20-600 Ident No.: 0025895	89	steel	20	spanner flat	600	606	632
TRST89-20-750 Ident No.: 0025900	89	steel	20	spanner flat	750	756	782
TRST89-20-950 Ident No.: 0025901	89	steel	20	spanner flat	950	956	982
TRST89-20-1150 Ident No.: 0025886	89	steel	20	spanner flat	1,150	1,156	1,182
TRST108-20-200 Ident No.: 0025866	108	steel	20	spanner flat	200	206	226
TRST108-20-250 Ident No.: 0025867	108	steel	20	spanner flat	250	256	276

TRST108-20-315 Ident No.: 0025868	108	steel	20	spanner flat	315	321	341
TRST108-20-380 Ident No.: 0025869	108	steel	20	spanner flat	380	386	406
TRST108-20-465 Ident No.: 0025870	108	steel	20	spanner flat	465	471	491
TRST108-20-500 Ident No.: 0025871	108	steel	20	spanner flat	500	506	532
TRST108-20-600 Ident No.: 0025872	108	steel	20	spanner flat	600	606	632
TRST108-20-750 Ident No.: 0025873	108	steel	20	spanner flat	750	756	782
TRST108-20-950 Ident No.: 0025874	108	steel	20	spanner flat	950	956	982
TRST108-20-1150 Ident No.: 0025865	108	steel	20	spanner flat	1,150	1,156	1,182

tape threading path rollers	tube-Ø mm	material of tube	axle-Ø mm	axle end finishing	roller length mm	axle length mm
BRB50-12 Ident No.: 0015493	50	steel	12	external thread	100	145
BRB60-12 Ident No.: 0015494	60	steel	12	external thread	100	145
BRB63,5-20 Ident No.: 0015495	63.5	steel	20	external thread	100	145
BRB80-20 Ident No.: 0015496	80	steel	20	external thread	100	145
BRB89-20 Ident No.: 0015497	89	steel	20	external thread	100	145
BRB108-20 Ident No.: 0015491	108	steel	20	external thread	100	145



***"All carrier rollers are available  
directly from stock"***



type A support rings	tube-Ø mm	outside-Ø mm	inside-Ø mm	width mm
ST-RING-63,5-108X25-A Ident No.: 0024162	63.5	108	60	25
ST-RING-63,5-133X25-A Ident No.: 0024164	63.5	133	60	25
ST-RING-89-133X30-A Ident No.: 0024166	89	133	85	30
ST-RING-89-159X30-A Ident No.: 0024169	89	159	85	30
ST-RING-89-180X35-A Ident No.: 0024171	89	180	105	35
ST-RING-108-159X35-A Ident No.: 0024159	108	159	105	35
ST-RING-108-180X40-A Ident No.: 0024161	108	180	105	40



type B support rings	tube-Ø mm	outside-Ø mm	inside-Ø mm	width mm
ST-RING-63,5-108X40-B Ident No.: 0024163	63.5	108	60	40
ST-RING-63,5-133X40-B Ident No.: 0024165	63.5	133	60	40
ST-RING-89-133X40-B Ident No.: 0024167	89	133	85	40
ST-RING-89-159X40-B Ident No.: 0024170	89	159	85	40
ST-RING-108-159X50-B Ident No.: 0024160	108	159	105	50



buffer rings	tube-Ø mm	outside-Ø mm	inside-Ø mm	width mm
PUF-RING-63,5-89X25 Ident No.: 0022744	63.5	89	60	25
PUF-RING-63,5-108X30 Ident No.: 0022740	63.5	108	60	30
PUF-RING-63,5-133X30 Ident No.: 0022742	63.5	133	60	30
PUF-RING-89-133X35 Ident No.: 0022745	89	133	85	35
PUF-RING-89-159X35 Ident No.: 0022748	89	159	85	35
PUF-RING-89-180X35 Ident No.: 0022749	89	180	85	35
PUF-RING-108-159X40 Ident No.: 0022733	108	159	105	40
PUF-RING-108-180X40 Ident No.: 0022734	108	180	105	40

flanges	tube-Ø mm	outside-Ø mm	flange version
SP50-70 Ident No.: 0023912	50	70	form A
SP60-110 Ident No.: 0023913	60	110	form B
SP80-150 Ident No.: 0023914	80	150	form B
SP89-150 Ident No.: 0023915	89	150	form B



guiding disc	tube-Ø mm	outside-Ø mm	width mm	material thickness mm
BRS60-110 Ident No.: 0032437	60	110	14	2.5
BRS63,5-130 Ident No.: 0025831	63.5	130	14	2.5
BRS80-130 Ident No.: 0015500	80	130	14	2.5
BRS80-150 Ident No.: 0032438	80	150	14	2.5
BRS89-150 Ident No.: 0015501	89	150	14	2.5



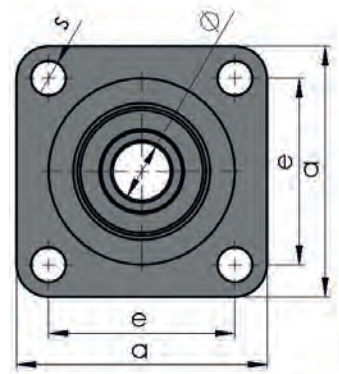


cover tubing	tube-Ø mm	material thickness mm	tubing material
COVER TUBING-30x2 Ident No.: 0027180	30	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-40x2 Ident No.: 0023763	40	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-50x2 Ident No.: 0023764	50	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-50x3 Ident No.: 0025699	50	3	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-50x5 Ident No.: 0039948	50	5	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-60x2 Ident No.: 0023765	60	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-60x3 Ident No.: 0025700	60	3	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-60x5 Ident No.: 0031856	60	5	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-80x2 Ident No.: 0023766	80	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-80x3 Ident No.: 0025701	80	3	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-80x5 Ident No.: 0034359	80	5	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-89x2 Ident No.: 0023767	89	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-89x3 Ident No.: 0027891	89	3	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-89x5 Ident No.: 0031855	89	5	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-108x3 Ident No.: 0031864	108	3	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-108x5 Ident No.: 0031837	108	5	PVC approx. 63° shore A, RAL 7001, silver-grey

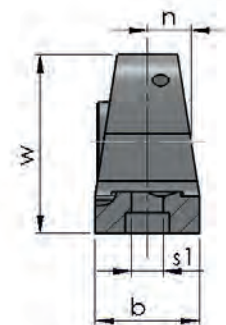
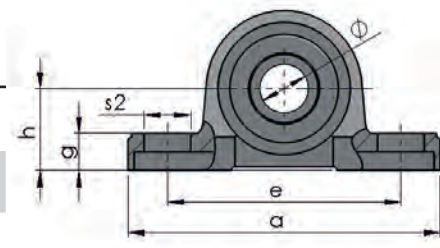


shrink tubing	tube-Ø mm	material thickness mm	tubing material
SHRINK TUBING-50 Ident No.: 0023770	50	1.5	PVC approx. 94° shore A, RAL 7001, silver-grey
SHRINK TUBING-60 Ident No.: 0023771	60	1.5	PVC approx. 94° shore A, RAL 7001, silver-grey
SHRINK TUBING-80 Ident No.: 0023895	80	1.5	PVC approx. 94° shore A, RAL 7001, silver-grey
SHRINK TUBING-89 Ident No.: 0023772	89	1.5	PVC approx. 94° shore A, RAL 7001, silver-grey

flange bearing	inside -Ø mm	a mm	e mm	i mm	l mm	s mm	z mm	g mm
UCF204 Ident No.: 0029027	20	86	64	15	25.5	12	33.3	12
UCF205 Ident No.: 0029028	25	95	70	16	27	12	35.7	14
UCF206 Ident No.: 0029029	30	108	83	18	31	12	40.2	14
UCF207 Ident No.: 0029030	35	117	92	19	34	14	44.4	16
UCF208 Ident No.: 0029031	40	130	102	21	36	16	51.2	16
UCF209 Ident No.: 0029032	45	137	105	22	38	16	52.2	18
UCF210 Ident No.: 0029033	50	143	111	22	40	16	54.6	18
UCF211 Ident No.: 0029034	55	162	130	25	43	19	58.4	20
UCF212 Ident No.: 0029035	60	175	143	29	48	19	68.7	20



pedestal bearing	inside -Ø mm	a mm	e mm	h mm	b mm	s1 mm	s2 mm	w mm	g mm
UCP204 Ident No.: 0029018	20	127	96	33.3	38	19	13	65	13
UCP205 Ident No.: 0029019	25	140	105	36.5	38	19	13	70	13
UCP206 Ident No.: 0029020	30	165	121	42.9	48	21	17	83	15
UCP207 Ident No.: 0029021	35	167	127	47.6	48	21	17	92	16
UCP208 Ident No.: 0029022	40	184	137	49.2	54	21	17	98	17
UCP209 Ident No.: 0029023	45	190	146	54	54	21	17	106	17
UCP210 Ident No.: 0029024	50	206	159	57.2	60	22	20	113	19
UCP211 Ident No.: 0029025	55	219	171	63.5	60	22	20	125	19
UCP212 Ident No.: 0029026	60	241	184	69.8	70	25	20	138	22





round belt wheels	axle-Ø mm	bearing surface-Ø mm	outside-Ø mm	width mm
ROUND BELT WHEEL-29X25,3 Ident No.: 0023651	25.3	29	48	30
ROUND BELT WHEEL-40,5x35,3 Ident No.: 0026928	35.3	40.5	60	32



toothed belt wheel	toothed belt type	length mm	width mm	number of teeth	pitch mm
Z-8MX288 Ident No.: 0017745	8M	288	11.2	36	64
Z-8MX352 Ident No.: 0017746	8M	352	11.2	44	96
Z-8MX416 Ident No.: 0017747	8M	416	11.2	52	128
Z-8MX480 Ident No.: 0017748	8M	480	11.2	60	160
Z-8MX544 Ident No.: 0017749	8M	544	11.2	68	192
Z-8MX608 Ident No.: 0017750	8M	608	11.2	76	224
Z-8MX640 Ident No.: 0017751	8M	640	11.2	80	240







## Solid gravity-driven roller conveyors

Our solid gravity-driven roller conveyors provide an optimized solution for the internal transportation of your lightweight or heavyweight products.

In order to ensure that your conveyed goods flow smoothly and independently all the way from the inlet to the outlet point, the roller conveyor must have the proper declination. This factor must be determined individually according to the type of load carrier and weight of the goods being used for your application.

We can also deliver complete solutions that are individually tailored to your requirements; our support already begins during the planning phase for your project. Take advantage of our in-depth experience and benefit from our assessment of your operating conditions and influencing factors (including the suitability of using roller conveyors for your goods) – leave nothing to chance.

### Versions

- small roller conveyors
- lightweight roller conveyors
- wheel conveyors
- heavy-duty roller conveyors
- multi-directional roller conveyors
- ball transfer tables
- scissoring wheel conveyors and scissoring roller conveyors

### Areas of use



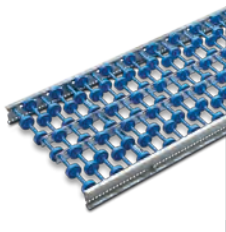


- production
- storage strategies (FiFo, LiFo)
- incoming goods and materials
- packaging and picking tables
- shipping
- conveyor lines
- and much more







**+49 800 9341700**

Give us a call for more advice on planning your personal facility.

# ROLLER CONVEYORS

						
SERIES	small roller conveyors	lightweight roller conveyors	wheel conveyors	multi-directional wheel conveyors	heavy-duty roller conveyors	
APPLICATION	light loads	light loads	light loads	light loads	medium to heavy loads	
DIAMETER	20 mm and 30 mm	50 mm	48 mm	48 mm	50 mm - 89 mm	
MATERIALS	plastic, steel	plastic, steel	plastic, steel	plastic, polyurethane	steel	
STARTING FROM PAGE	568	570	574	578	580	

 <b>scissor roller conveyor</b>	 <b>scissor roller conveyor</b>	 <b>ball transfer tables</b>	 <b>material supporting columns</b>
light loads	light loads	-	-
48 mm	50 mm	-	-
plastic, steel	plastic, steel	-	-
<b>588</b>	<b>590</b>	<b>592</b>	<b>602</b>



"Suitable castors can be found on page 594"

# User information for **gravity-driven roller conveyors**

The track width is the clearance between the profiles/frame; thus the actual usable width is slightly less than the track width. In general, the track width should be slightly wider than the material being conveyed – this is particularly important for ensuring the smooth flow of goods around curves with side guides.

The rollers normally are located above the upper edge of the frame, which means that material being conveyed can also overlap the side in certain cases.

## Conveyed goods

The running surface of the material to be conveyed is an important factor when using a gravity-driven roller conveyor. You must make sure that the running surface is even and firm.

## Nature of the material being conveyed:

### Roller conveyors

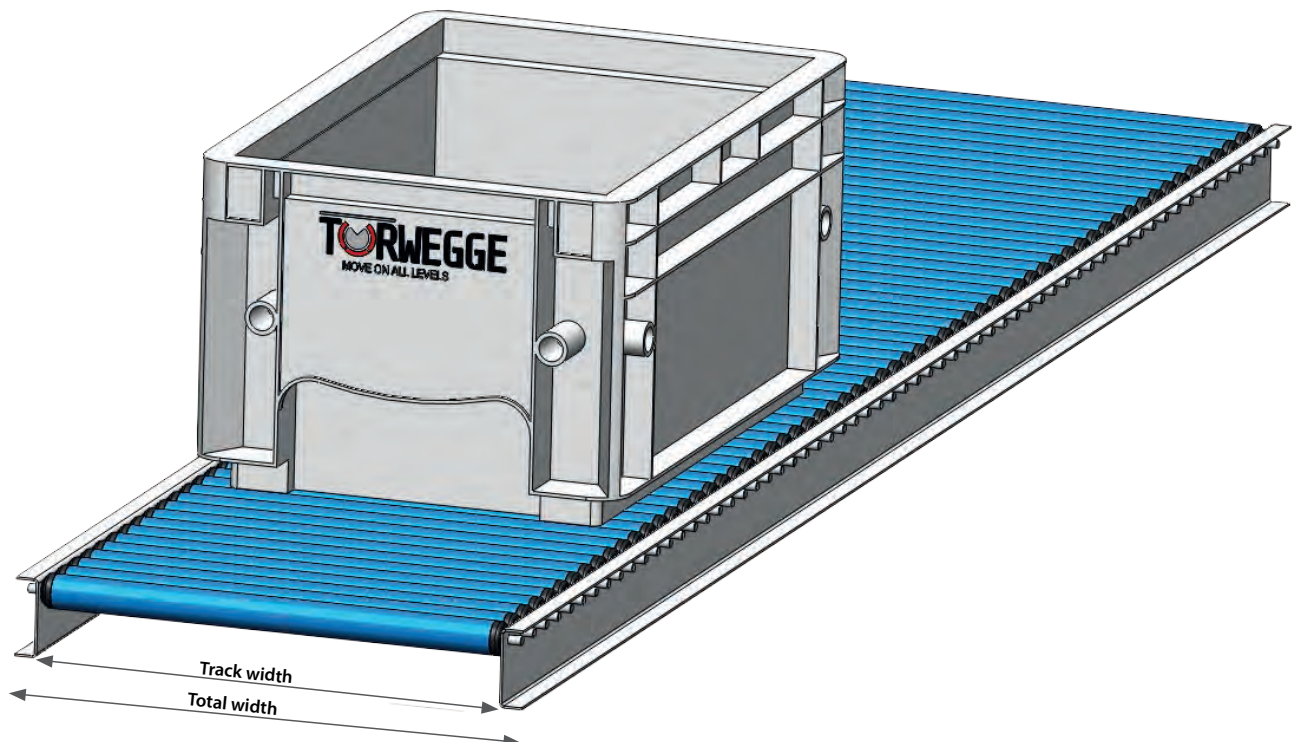
- level, stable ground under the roller conveyor
- longitudinal bars in direction of conveyance
- belt battens must rest on the carrier rollers

### For multi-directional roller conveyors and wheel conveyors

- level, stable floor

### For ball transfer tables

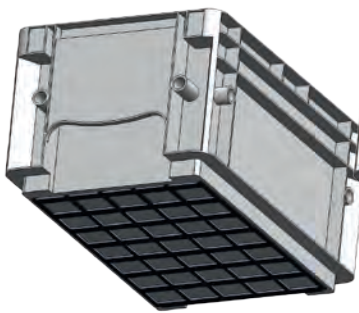
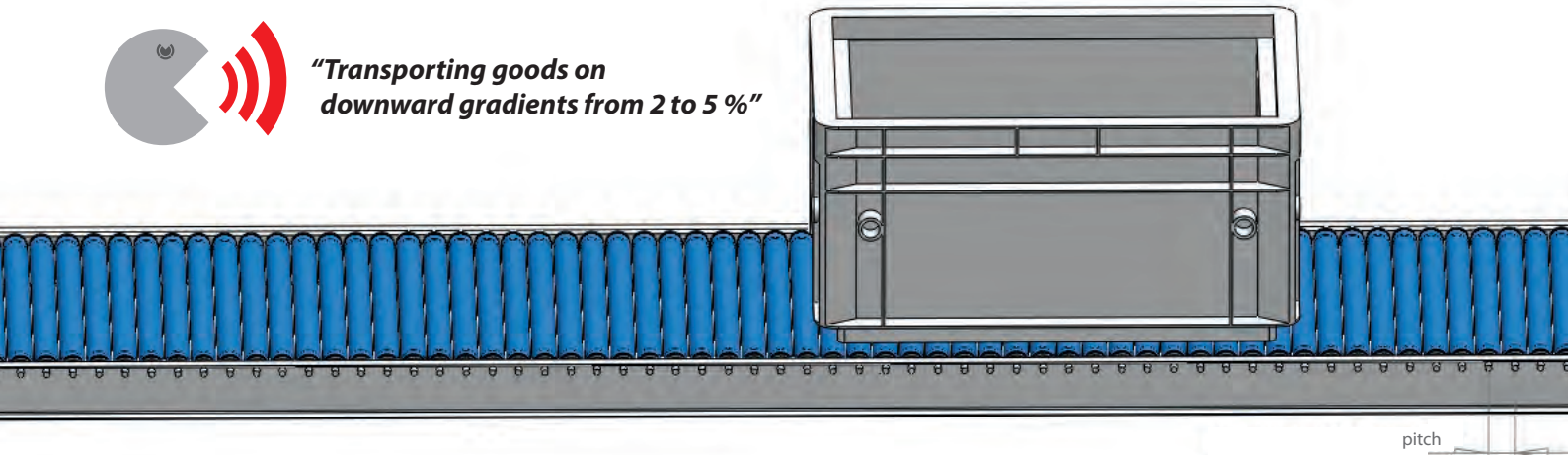
- hard, level floor



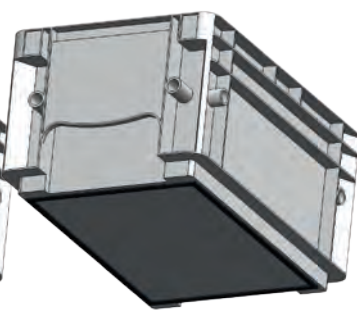




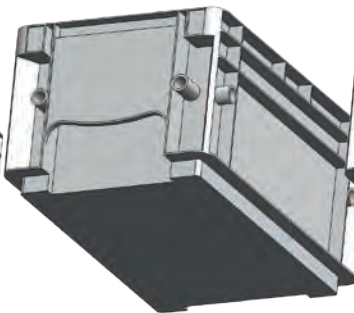
*"Transporting goods on downward gradients from 2 to 5 %"*



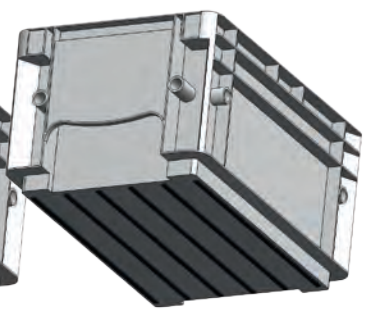
lattice base



belt battens



flat base



longitudinal bars

## Planning a manual conveyor system

- select a conveyor type based on the weight and physical nature of the material being conveyed
- determine the track width and axle distance based on the size of the smallest object that will be conveyed
- we would be glad to consult with you in more detail about custom solutions that go beyond these standard systems

## Selecting the proper pitch and axle spacing

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

Minimum pitch: size of smallest conveyed good divided by 3 (e.g. 250 mm / 3 = 83 mm: select 75 mm pitch).  
Smaller axle spacing should be selected when the material being conveyed will be loaded unevenly.

## Selecting the arrangement of the support frames

Supports are usually set apart at a distance of approximately 1,500 – 2,000 mm.  
The main reason for this is the track load

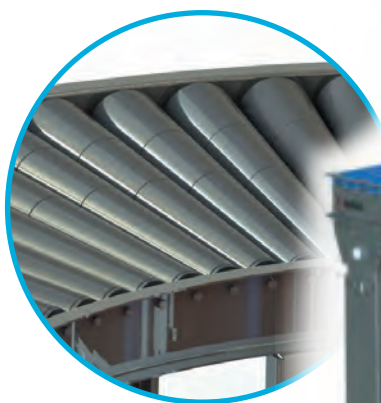
- supports are provided as needed along a track length at the joints between two conveyor segments
- for 90° bends, the bend should also be supported in the middle (at 45°)
- the support frames are set back slightly from the ends of the track

# We'll find the **ideal customized solution** for your needs

## **CAD planning**

We use CAD systems to plan the layout of your conveyor system.

On request we will provide you with the CAD models for your hall plans and facility layouts.



### **Bended roller conveyor**

Ri 500

Ri 800

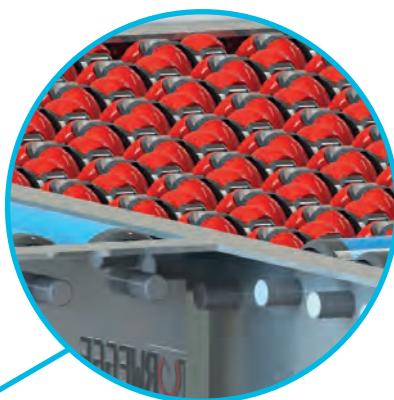


**Support frames**  
smoothly adjustable height





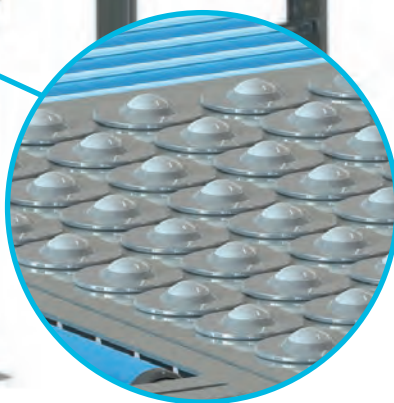
*"Standard components can be delivered now"*



**Multi-directional wheel conveyor**

rotate // redirect // supply

Combine different track types using our ball transfer tables or our multi-directional wheel conveyors.



**Ball transfer table**

move // rotate // direct

**Special configuration**

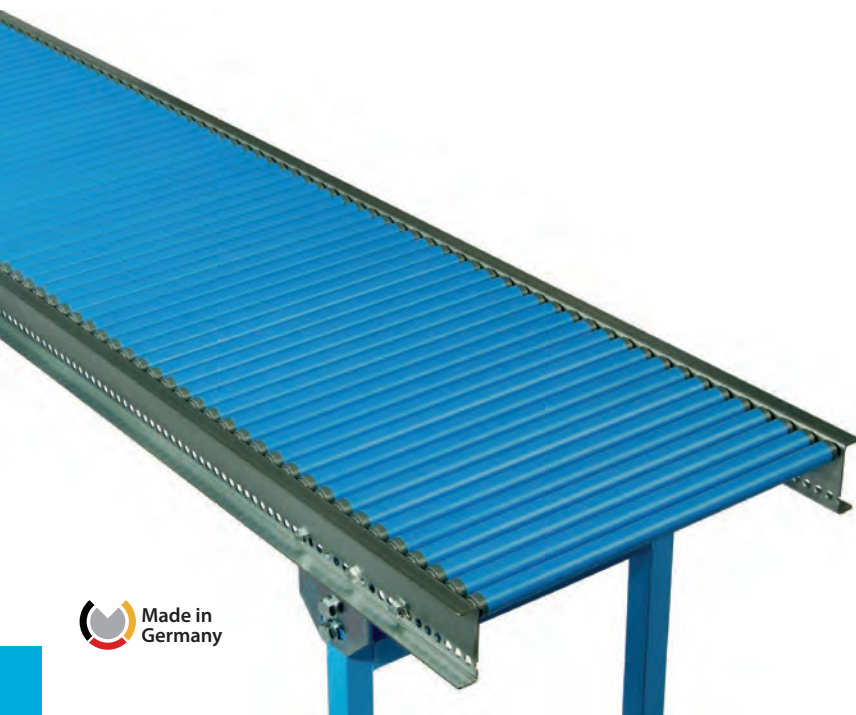
Aluminum frame and stainless steel versions. Complete roller conveyors made from stainless steel can also be delivered on request.



**+49 800 9341700**

Give us a call for more advice on planning your personal facility.

## small roller conveyors // light loads



### Carrier roller:

- steel and plastic rollers: Ø 20 mm and 30 mm
- ball bearing with spring axle

### Frame:

- galvanized U-profile 20/70/20 mm, with screwed-in transverse bars
- overall width = usable width + 40 mm

### Bends:

- inside radius: 800 mm
- depending on width, the rollers come in either one section or multiple sections

### Note:

Rollers: Ø 20 mm - Upper edge of roller: 2 mm above frame profile/rollers Ø 30 mm - top edge of roller is 3 mm above frame profile



**"Also available with 45° curve"**

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube-Ø mm
5022KUX1.000 Ident No.: 0012701	5022KUX2.000 Ident No.: 0012702	5022KUX3.000 Ident No.: 0012703	5022KU90 Ident No.: 0012700	200	240	25	20
5023KUX1.000 Ident No.: 0012706	5023KUX2.000 Ident No.: 0012707	5023KUX3.000 Ident No.: 0012708	5023KU90 Ident No.: 0012705	300	340	25	20
5024KUX1.000 Ident No.: 0012711	5024KUX2.000 Ident No.: 0012712	5024KUX3.000 Ident No.: 0012713	5024KU90 Ident No.: 0012710	400	440	25	20
5025KUX1.000 Ident No.: 0012717	5025KUX2.000 Ident No.: 0012718	5025KUX3.000 Ident No.: 0012719	5025KU90 Ident No.: 0012716	500	540	25	20
5032KUX1.000 Ident No.: 0012885	5032KUX2.000 Ident No.: 0012886	5032KUX3.000 Ident No.: 0012887	5032KU90 Ident No.: 0012884	200	240	37.5	30
5033KUX1.000 Ident No.: 0012890	5033KUX2.000 Ident No.: 0013019	5033KUX3.000 Ident No.: 0013020	5033KU90 Ident No.: 0012889	300	340	37.5	30
5034KUX1.000 Ident No.: 0013069	5034KUX2.000 Ident No.: 0013070	5034KUX3.000 Ident No.: 0013023	5034KU90 Ident No.: 0013022	400	440	37.5	30
5035KUX1.000 Ident No.: 0013026	5035KUX2.000 Ident No.: 0013027	5035KUX3.000 Ident No.: 0013028	5035KU90 Ident No.: 0013025	500	540	37.5	30
5036KUX1.000 Ident No.: 0013031	5036KUX2.000 Ident No.: 0013032	5036KUX3.000 Ident No.: 0013033	5036KU90 Ident No.: 0013030	600	640	37.5	30

### suitable bases



lattice base



belt battens



flat base



longitudinal bars

Suitable castors can be found on page 156

### Load-carrying capacity:

Only for small or lightweight items.

Also available on request in stainless steel version or with aluminum frame.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired length.

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

Our wide range of accessories will complement and simplify your application.



length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube-Ø mm
6022STX1.000 Ident No.: 0013499	6022STX2.000 Ident No.: 0013.500	6022STX3.000 Ident No.: 0013501	6022ST90 Ident No.: 0013498	200	240	25	20
6023STX1.000 Ident No.: 0013504	6023STX2.000 Ident No.: 0013505	6023STX3.000 Ident No.: 0013506	6023ST90 Ident No.: 0013503	300	340	25	20
6024STX1.000 Ident No.: 0013509	6024STX2.000 Ident No.: 0013510	6024STX3.000 Ident No.: 0013511	6024ST90 Ident No.: 0013508	400	440	25	20
6025STX1.000 Ident No.: 0013514	6025STX2.000 Ident No.: 0013515	6025STX3.000 Ident No.: 0013516	6025ST90 Ident No.: 0013513	500	540	25	20
6032STX1.000 Ident No.: 0013537	6032STX2.000 Ident No.: 0013538	6032STX3.000 Ident No.: 0013539	6032ST90 Ident No.: 0013536	200	240	37.5	30
6033STX1.000 Ident No.: 0013542	6033STX2.000 Ident No.: 0013543	6033STX3.000 Ident No.: 0013544	6033ST90 Ident No.: 0013541	300	340	37.5	30
6034STX1.000 Ident No.: 0013547	6034STX2.000 Ident No.: 0013548	6034STX3.000 Ident No.: 0013549	6034ST90 Ident No.: 0013546	400	440	37.5	30
6035STX1.000 Ident No.: 0013552	6035STX2.000 Ident No.: 0013553	6035STX3.000 Ident No.: 0013554	6035ST90 Ident No.: 0013551	500	540	37.5	30
6036STX1.000 Ident No.: 0013557	6036STX2.000 Ident No.: 0013558	6036STX3.000 Ident No.: 0013559	6036ST90 Ident No.: 0013556	600	640	37.5	30



lattice base



belt battens



flat base



longitudinal bars

suitable bases

Suitable castors can be found on page 156

## lightweight roller conveyors // light loads



### Carrier roller:

- plastic rollers:  $\varnothing$  50 mm
- ball bearings with continuous axle, screwed on

### Frame:

- galvanized U-profile 20/70/20 mm, with screwed-in transverse bars
- overall width = usable width + 40 mm

### Bends:

- inside radius: 800 mm
- depending on width, the rollers come in either one section or multiple sections

### Note:

Upper edge of roller is 10 mm above the frame profile.



*"Also available with 45° curve"*

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube- $\varnothing$ mm
502062KUX1.000 Ident No.: 0012681	502062KUX2.000 Ident No.: 0012682	502062KUX3.000 Ident No.: 0012683	-	200	240	62.5	50
502075KUX1.000 Ident No.: 0012684	502075KUX2.000 Ident No.: 0012685	502075KUX3.000 Ident No.: 0012686	512075KU90 Ident No.: 0013116	200	240	75	50
502100KUX1.000 Ident No.: 0012687	502100KUX2.000 Ident No.: 0012688	502100KUX3.000 Ident No.: 0012689	-	200	240	100	50
502125KUX1.000 Ident No.: 0012690	502125KUX2.000 Ident No.: 0012691	502125KUX3.000 Ident No.: 0012692	512125KU90 Ident No.: 0013118	200	240	125	50
502150KUX1.000 Ident No.: 0012693	502150KUX2.000 Ident No.: 0012694	502150KUX3.000 Ident No.: 0012695	-	200	240	150	50
503062KUX1.000 Ident No.: 0012720	503062KUX2.000 Ident No.: 0012721	503062KUX3.000 Ident No.: 0012722	-	300	340	62.5	50
503075KUX1.000 Ident No.: 0012723	503075KUX2.000 Ident No.: 0012724	503075KUX3.000 Ident No.: 0012725	513075KU90 Ident No.: 0013120	300	340	75	50
503100KUX1.000 Ident No.: 0012726	503100KUX2.000 Ident No.: 0012727	503100KUX3.000 Ident No.: 0012728	-	300	340	100	50
503125KUX1.000 Ident No.: 0012729	503125KUX2.000 Ident No.: 0012730	503125KUX3.000 Ident No.: 0012731	513125KU90 Ident No.: 0013122	300	340	125	50
503150KUX1.000 Ident No.: 0012877	503150KUX2.000 Ident No.: 0012878	503150KUX3.000 Ident No.: 0012879	-	300	340	150	50
504062KUX1.000 Ident No.: 0013034	504062KUX2.000 Ident No.: 0013035	504062KUX3.000 Ident No.: 0013036	-	400	440	62.5	50
504075KUX1.000 Ident No.: 0013037	504075KUX2.000 Ident No.: 0013038	504075KUX3.000 Ident No.: 0013039	514075KU90 Ident No.: 0013124	400	440	75	50
504100KUX1.000 Ident No.: 0013040	504100KUX2.000 Ident No.: 0013041	504100KUX3.000 Ident No.: 0013042	-	400	440	100	50
504125KUX1.000 Ident No.: 0013043	504125KUX2.000 Ident No.: 0013044	504125KUX3.000 Ident No.: 0013045	514125KU90 Ident No.: 0013126	400	440	125	50
504150KUX1.000 Ident No.: 0013046	504150KUX2.000 Ident No.: 0013047	504150KUX3.000 Ident No.: 0013048	-	400	440	150	50
505062KUX1.000 Ident No.: 0013052	505062KUX2.000 Ident No.: 0013053	505062KUX3.000 Ident No.: 0013054	-	500	540	62.5	50
505075KUX1.000 Ident No.: 0013055	505075KUX2.000 Ident No.: 0013056	505075KUX3.000 Ident No.: 0013057	515075KU90 Ident No.: 0013128	500	540	75	50



## Load-carrying capacity:

With plastic rollers: 20 – 25 kg per conveyed good (guideline value).

## Configuration of the bend carrier rollers:

Max. track width 300 mm: one-section rollers

Track width 400 mm: two-section rollers

Track width from 500 – 600 mm: three-section rollers

Track width 800 mm: four-section rollers

Also available on request in stainless steel version or with aluminum frame.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

## Delivery information:

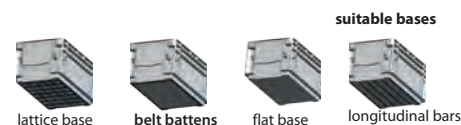
The total length changes for the 75 mm sections.

- from 1,000 mm to 975 mm
- from 2,000 mm to 1,950 mm

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

Our wide range of accessories will complement and simplify your application.

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube-Ø mm
505100KUX1.000 Ident No.: 0013058	505100KUX2.000 Ident No.: 0013059	505100KUX3.000 Ident No.: 0013060	-	500	540	100	50
505125KUX1.000 Ident No.: 0013061	505125KUX2.000 Ident No.: 0013062	505125KUX3.000 Ident No.: 0013063	515125KU90 Ident No.: 0013130	500	540	125	50
505150KUX1.000 Ident No.: 0013064	505150KUX2.000 Ident No.: 0013065	505150KUX3.000 Ident No.: 0013066	-	500	540	150	50
506062KUX1.000 Ident No.: 0013072	506062KUX2.000 Ident No.: 0013073	506062KUX3.000 Ident No.: 0013074	-	600	640	62.5	50
506075KUX1.000 Ident No.: 0013075	506075KUX2.000 Ident No.: 0013076	506075KUX3.000 Ident No.: 0013077	516075KU90 Ident No.: 0013132	600	640	75	50
506100KUX1.000 Ident No.: 0013078	506100KUX2.000 Ident No.: 0013079	506100KUX3.000 Ident No.: 0013080	-	600	640	100	50
506125KUX1.000 Ident No.: 0013081	506125KUX2.000 Ident No.: 0013082	506125KUX3.000 Ident No.: 0013083	516125KU90 Ident No.: 0013134	600	640	125	50
506150KUX1.000 Ident No.: 0013084	506150KUX2.000 Ident No.: 0013085	506150KUX3.000 Ident No.: 0013086	-	600	640	150	50
508062KUX1.000 Ident No.: 0013090	508062KUX2.000 Ident No.: 0013091	508062KUX3.000 Ident No.: 0013092	-	800	840	62.5	50
508075KUX1.000 Ident No.: 0013093	508075KUX2.000 Ident No.: 0013094	508075KUX3.000 Ident No.: 0013095	518075KU90 Ident No.: 0013136	800	840	75	50
508100KUX1.000 Ident No.: 0013096	508100KUX2.000 Ident No.: 0013097	508100KUX3.000 Ident No.: 0013098	-	800	840	100	50
508125KUX1.000 Ident No.: 0013099	508125KUX2.000 Ident No.: 0013100	508125KUX3.000 Ident No.: 0013101	518125KU90 Ident No.: 0013138	800	840	125	50
508150KUX1.000 Ident No.: 0013109	508150KUX2.000 Ident No.: 0013110	508150KUX3.000 Ident No.: 0013111	-	800	840	150	50



Suitable castors can be found on page 156

## lightweight roller conveyors // light loads



### Carrier roller:

- steel rollers:  $\varnothing$  50 mm
- ball bearings with continuous axle, screwed on

### Frame:

- galvanized U-profile 20/70/20 mm, with screwed-in transverse bars
- overall width = usable width + 40 mm

### Bends:

- inside radius: 800 mm
- depending on width, the rollers come in either one section or multiple sections

### Note:

Upper edge of roller is 10 mm above the frame profile.



*"Also available with 45° curve"*

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube- $\varnothing$ mm
602062STX1.000 Ident No.: 0013478	602062STX2.000 Ident No.: 0013479	602062STX3.000 Ident No.: 0013480	-	200	240	62.5	50
602075STX1.000 Ident No.: 0013481	602075STX2.000 Ident No.: 0013482	602075STX3.000 Ident No.: 0013483	612075ST90 Ident No.: 0013638	200	240	75	50
602100STX1.000 Ident No.: 0013484	602100STX2.000 Ident No.: 0013485	602100STX3.000 Ident No.: 0013486	-	200	240	100	50
602125STX1.000 Ident No.: 0013487	602125STX2.000 Ident No.: 0013488	602125STX3.000 Ident No.: 0013489	612125ST90 Ident No.: 0013640	200	240	125	50
602150STX1.000 Ident No.: 0013491	602150STX2.000 Ident No.: 0013492	602150STX3.000 Ident No.: 0013493	-	200	240	150	50
603062STX1.000 Ident No.: 0013517	603062STX2.000 Ident No.: 0013518	603062STX3.000 Ident No.: 0013519	-	300	340	62.5	50
603075STX1.000 Ident No.: 0013520	603075STX2.000 Ident No.: 0013521	603075STX3.000 Ident No.: 0013522	613075ST90 Ident No.: 0013642	300	340	75	50
603100STX1.000 Ident No.: 0013523	603100STX2.000 Ident No.: 0013524	603100STX3.000 Ident No.: 0013525	-	300	340	100	50
603125STX1.000 Ident No.: 0013526	603125STX2.000 Ident No.: 0013527	603125STX3.000 Ident No.: 0013528	613125ST90 Ident No.: 0013644	300	340	125	50
603150STX1.000 Ident No.: 0013529	603150STX2.000 Ident No.: 0013530	603150STX3.000 Ident No.: 0013531	-	300	340	150	50
604062STX1.000 Ident No.: 0013560	604062STX2.000 Ident No.: 0013561	604062STX3.000 Ident No.: 0013562	-	400	440	62.5	50
604075STX1.000 Ident No.: 0013563	604075STX2.000 Ident No.: 0013564	604075STX3.000 Ident No.: 0013565	614075ST90 Ident No.: 0013646	400	440	75	50
604100STX1.000 Ident No.: 0013570	604100STX2.000 Ident No.: 0013571	604100STX3.000 Ident No.: 0013572	-	400	440	100	50
604125STX1.000 Ident No.: 0013573	604125STX2.000 Ident No.: 0013574	604125STX3.000 Ident No.: 0013575	614125ST90 Ident No.: 0013648	400	440	125	50
604150STX1.000 Ident No.: 0013576	604150STX2.000 Ident No.: 0013577	604150STX3.000 Ident No.: 0013578	-	400	440	150	50
605062STX1.000 Ident No.: 0013582	605062STX2.000 Ident No.: 0013583	605062STX3.000 Ident No.: 0013584	-	500	540	62.5	50
605075STX1.000 Ident No.: 0013585	605075STX2.000 Ident No.: 0013586	605075STX3.000 Ident No.: 0013587	615075ST90 Ident No.: 0013650	500	540	75	50

## Load-carrying capacity:

With steel rollers: 40 kg per conveyed good (guideline value).

## Configuration of the bend carrier rollers:

Max. track width 300 mm: one-section rollers

Track width 400 mm: two-section rollers

Track width from 500 – 600 mm: three-section rollers

Track width 800 mm: four-section rollers

Also available on request in stainless steel version or with aluminum frame.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

## Delivery information:

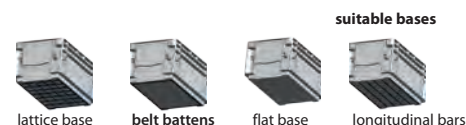
The total length changes for the 75 mm sections.

- from 1,000 mm to 975 mm
- from 2,000 mm to 1,950 mm

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

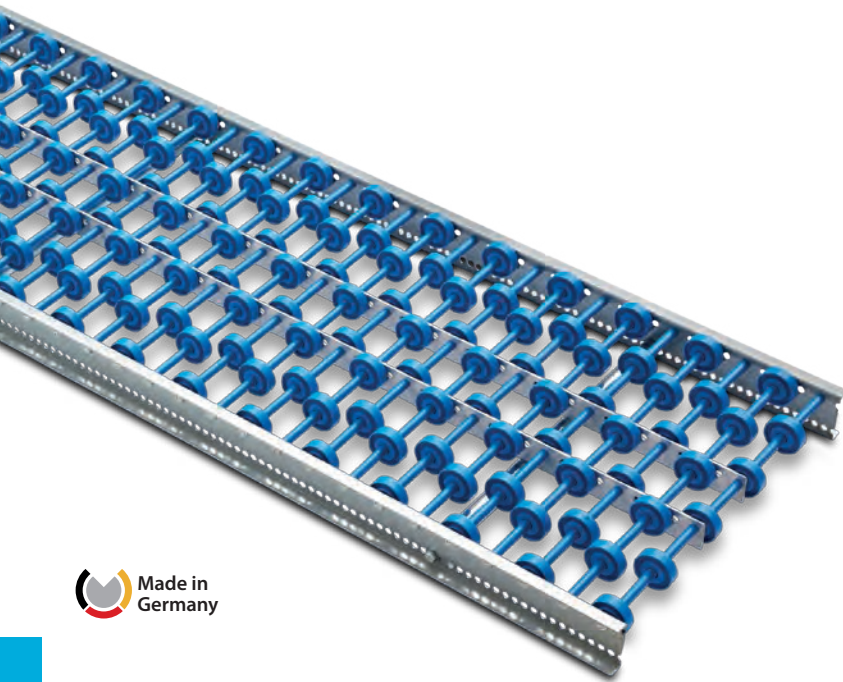
Our wide range of accessories will complement and simplify your application.

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube-Ø mm
605100STX1.000 Ident No.: 0013588	605100STX2.000 Ident No.: 0013589	605100STX3.000 Ident No.: 0013590	-	500	540	100	50
605125STX1.000 Ident No.: 0013591	605125STX2.000 Ident No.: 0013592	605125STX3.000 Ident No.: 0013593	615125ST90 Ident No.: 0013652	500	540	125	50
605150STX1.000 Ident No.: 0013594	605150STX2.000 Ident No.: 0013595	605150STX3.000 Ident No.: 0013596	-	500	540	150	50
606062STX1.000 Ident No.: 0013600	606062STX2.000 Ident No.: 0013601	606062STX3.000 Ident No.: 0013602	-	600	640	62.5	50
606075STX1.000 Ident No.: 0013603	606075STX2.000 Ident No.: 0013604	606075STX3.000 Ident No.: 0013605	616075ST90 Ident No.: 0013654	600	640	75	50
606100STX1.000 Ident No.: 0013606	606100STX2.000 Ident No.: 0013607	606100STX3.000 Ident No.: 0013608	-	600	640	100	50
606125STX1.000 Ident No.: 0013609	606125STX2.000 Ident No.: 0013610	606125STX3.000 Ident No.: 0013611	616125ST90 Ident No.: 0013656	600	640	125	50
606150STX1.000 Ident No.: 0013612	606150STX2.000 Ident No.: 0013613	606150STX3.000 Ident No.: 0013614	-	600	640	150	50
608062STX1.000 Ident No.: 0013618	608062STX2.000 Ident No.: 0013619	608062STX3.000 Ident No.: 0013620	-	800	840	62.5	50
608075STX1.000 Ident No.: 0013621	608075STX2.000 Ident No.: 0013622	608075STX3.000 Ident No.: 0013623	618075ST90 Ident No.: 0013658	800	840	75	50
608100STX1.000 Ident No.: 0013624	608100STX2.000 Ident No.: 0013625	608100STX3.000 Ident No.: 0013626	-	800	840	100	50
608125STX1.000 Ident No.: 0013627	608125STX2.000 Ident No.: 0013628	608125STX3.000 Ident No.: 0013629	618125ST90 Ident No.: 0013660	800	840	125	50
608150STX1.000 Ident No.: 0013630	608150STX2.000 Ident No.: 0013631	608150STX3.000 Ident No.: 0013632	-	800	840	150	50



Suitable castors can be found on page 156

## wheel conveyors // light loads



### Conveyor rollers:

- steel and plastic rollers: **Ø 48 mm**
- ball bearing, offset positioned, screwed-on axles, Ø 8 mm
- also available with rubber rollers 2,300/54/8gu on request (from pitch 75mm), or with PU rollers 2,400/8/8-k

### Frame:

- galvanized U-profile 20/70/20 mm, with screwed-in transverse bars
- overall width = usable width + 40 mm

### Bends:

- inside radius: 800 mm



**"Also available with 45° curve"**

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm
203050KUX1.000 Ident No.: 0011406	203050KUX2.000 Ident No.: 0011407	203050KUX3.000 Ident No.: 0011408	-	300	340	50
203075KUX1.000 Ident No.: 0011409	203075KUX2.000 Ident No.: 0011410	203075KUX3.000 Ident No.: 0011411	213075KU90 Ident No.: 0011499	300	340	75
203100KUX1.000 Ident No.: 0011412	203100KUX2.000 Ident No.: 0011413	203100KUX3.000 Ident No.: 0011414	-	300	340	100
203125KUX1.000 Ident No.: 0011415	203125KUX2.000 Ident No.: 0011416	203125KUX3.000 Ident No.: 0011417	213125KU90 Ident No.: 0011505	300	340	125
203150KUX1.000 Ident No.: 0011418	203150KUX2.000 Ident No.: 0011419	203150KUX3.000 Ident No.: 0011420	-	300	340	150
203200KUX1.000 Ident No.: 0011421	203200KUX2.000 Ident No.: 0011422	203200KUX3.000 Ident No.: 0011423	-	300	340	200
204050KUX1.000 Ident No.: 0011424	204050KUX2.000 Ident No.: 0011425	204050KUX3.000 Ident No.: 0011426	-	400	440	50
204075KUX1.000 Ident No.: 0011427	204075KUX2.000 Ident No.: 0011428	204075KUX3.000 Ident No.: 0011429	214075KU90 Ident No.: 0011507	400	440	75
204100KUX1.000 Ident No.: 0011430	204100KUX2.000 Ident No.: 0011431	204100KUX3.000 Ident No.: 0011432	-	400	440	100
204125KUX1.000 Ident No.: 0011433	204125KUX2.000 Ident No.: 0011434	204125KUX3.000 Ident No.: 0011435	214125KU90 Ident No.: 0011509	400	440	125
204150KUX1.000 Ident No.: 0011436	204150KUX2.000 Ident No.: 0011437	204150KUX3.000 Ident No.: 0011438	-	400	440	150
204200KUX1.000 Ident No.: 0011439	204200KUX2.000 Ident No.: 0011440	204200KUX3.000 Ident No.: 0011441	-	400	440	200
205050KUX1.000 Ident No.: 0011442	205050KUX2.000 Ident No.: 0011443	205050KUX3.000 Ident No.: 0011444	-	500	540	50
205075KUX1.000 Ident No.: 0011445	205075KUX2.000 Ident No.: 0011446	205075KUX3.000 Ident No.: 0011447	215075KU90 Ident No.: 0011511	500	540	75
205100KUX1.000 Ident No.: 0011448	205100KUX2.000 Ident No.: 0011449	205100KUX3.000 Ident No.: 0011450	-	500	540	100
205125KUX1.000 Ident No.: 0011451	205125KUX2.000 Ident No.: 0011452	205125KUX3.000 Ident No.: 0011453	215125KU90 Ident No.: 0011513	500	540	125
205150KUX1.000 Ident No.: 0011454	205150KUX2.000 Ident No.: 0011455	205150KUX3.000 Ident No.: 0011456	-	500	540	150



### Load-carrying capacity:

With plastic rollers: 20 – 25 kg per conveyed good (guideline value).

### Configuration of the bend carrier rollers:

Max. track width 300 mm: one-section rollers

Track width 400 mm: two-section rollers

Track width from 500 – 600 mm: three-section rollers

Track width 800 mm: four-section rollers

Also available on request in stainless steel version or with aluminum frame.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

### Delivery information:

The total length changes for the 75 mm sections.

- from 1,000 mm in 975 mm
- from 2,000 mm in 1,950 mm

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

Our wide range of accessories will complement and simplify your application.

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm
205200KUX1.000 Ident No.: 0011457	205200KUX2.000 Ident No.: 0011458	205200KUX3.000 Ident No.: 0011459	-	500	540	200
206050KUX1.000 Ident No.: 0011460	206050KUX2.000 Ident No.: 0011461	206050KUX3.000 Ident No.: 0011462	-	600	640	50
206075KUX1.000 Ident No.: 0011463	206075KUX2.000 Ident No.: 0011464	206075KUX3.000 Ident No.: 0011465	216075KU90 Ident No.: 0011515	600	640	75
206100KUX1.000 Ident No.: 0011466	206100KUX2.000 Ident No.: 0011467	206100KUX3.000 Ident No.: 0011468	-	600	640	100
206125KUX1.000 Ident No.: 0011469	206125KUX2.000 Ident No.: 0011470	206125KUX3.000 Ident No.: 0011471	216125KU90 Ident No.: 0011517	600	640	125
206150KUX1.000 Ident No.: 0011472	206150KUX2.000 Ident No.: 0011473	206150KUX3.000 Ident No.: 0011474	-	600	640	150
206200KUX1.000 Ident No.: 0011475	206200KUX2.000 Ident No.: 0011476	206200KUX3.000 Ident No.: 0011477	-	600	640	200
208050KUX1.000 Ident No.: 0011480	208050KUX2.000 Ident No.: 0011481	208050KUX3.000 Ident No.: 0011482	-	800	840	50
208075KUX1.000 Ident No.: 0011483	208075KUX2.000 Ident No.: 0011484	208075KUX3.000 Ident No.: 0011485	218075KU90 Ident No.: 0011519	800	840	75
208100KUX1.000 Ident No.: 0011486	208100KUX2.000 Ident No.: 0011487	208100KUX3.000 Ident No.: 0011488	-	800	840	100
208125KUX1.000 Ident No.: 0011489	208125KUX2.000 Ident No.: 0011490	208125KUX3.000 Ident No.: 0011491	218125KU90 Ident No.: 0011521	800	840	125
208150KUX1.000 Ident No.: 0011492	208150KUX2.000 Ident No.: 0011493	208150KUX3.000 Ident No.: 0011494	-	800	840	150
208200KUX1.000 Ident No.: 0011495	208200KUX2.000 Ident No.: 0011496	208200KUX3.000 Ident No.: 0011497	-	800	840	200

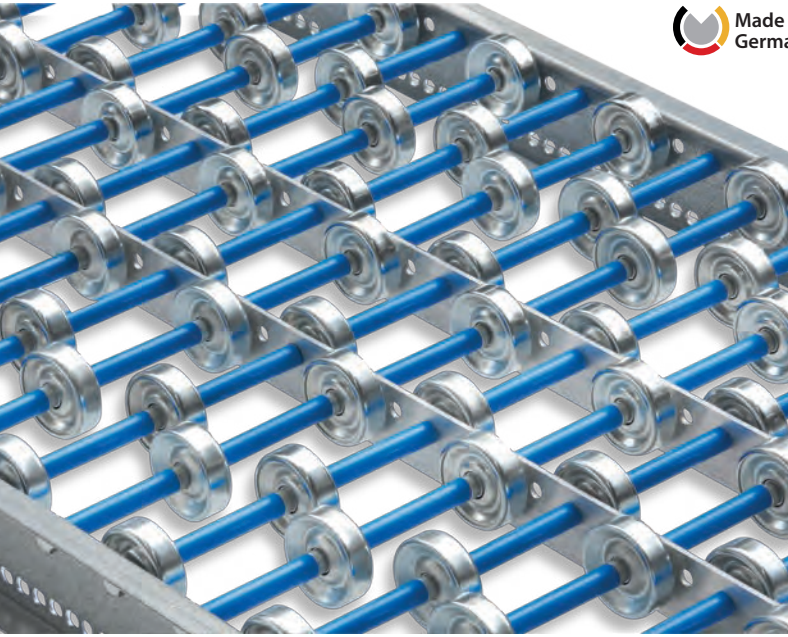
suitable bases



flat base

Suitable castors can be found on page 156

## wheel conveyors // light loads



### Conveyor rollers:

- steel and plastic rollers: **Ø 48 mm**
- ball bearing, offset positioned, screwed-on axles, Ø 8 mm
- also available with rubber rollers 2,300/54/8gu on request (from pitch 75mm), or with PU rollers 2400/8/8-k

### Frame:

- galvanized U-profile 20/70/20 mm, with screwed-in transverse bars
- overall width = usable width + 40 mm

### Bends:

- inside radius: 800 mm



**"Also available with 45° curve"**

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm
303050STX1.000 Ident No.: 0011594	303050STX2.000 Ident No.: 0011595	303050STX3.000 Ident No.: 0011596	-	300	340	50
303075STX1.000 Ident No.: 0011597	303075STX2.000 Ident No.: 0011598	303075STX3.000 Ident No.: 0011599	313075ST90 Ident No.: 0011910	300	340	75
303100STX1.000 Ident No.: 0011600	303100STX2.000 Ident No.: 0011601	303100STX3.000 Ident No.: 0011602	-	300	340	100
303125STX1.000 Ident No.: 0011603	303125STX2.000 Ident No.: 0011604	303125STX3.000 Ident No.: 0011605	313125ST90 Ident No.: 0011912	300	340	125
303150STX1.000 Ident No.: 0011606	303150STX2.000 Ident No.: 0011607	303150STX3.000 Ident No.: 0011608	-	300	340	150
303200STX1.000 Ident No.: 0011609	303200STX2.000 Ident No.: 0011610	303200STX3.000 Ident No.: 0011611	-	300	340	200
304050STX1.000 Ident No.: 0011612	304050STX2.000 Ident No.: 0011613	304050STX3.000 Ident No.: 0011614	-	400	440	50
304075STX1.000 Ident No.: 0011615	304075STX2.000 Ident No.: 0011616	304075STX3.000 Ident No.: 0011617	314075ST90 Ident No.: 0011914	400	440	75
304100STX1.000 Ident No.: 0011618	304100STX2.000 Ident No.: 0011619	304100STX3.000 Ident No.: 0011620	-	400	440	100
304125STX1.000 Ident No.: 0011621	304125STX2.000 Ident No.: 0011622	304125STX3.000 Ident No.: 0011623	314125ST90 Ident No.: 0011916	400	440	125
304150STX1.000 Ident No.: 0011624	304150STX2.000 Ident No.: 0011625	304150STX3.000 Ident No.: 0011626	-	400	440	150
304200STX1.000 Ident No.: 0011627	304200STX2.000 Ident No.: 0011628	304200STX3.000 Ident No.: 0011629	-	400	440	200
305050STX1.000 Ident No.: 0011630	305050STX2.000 Ident No.: 0011631	305050STX3.000 Ident No.: 0011632	-	500	540	50
305075STX1.000 Ident No.: 0011633	305075STX2.000 Ident No.: 0011634	305075STX3.000 Ident No.: 0011635	315075ST90 Ident No.: 0011921	500	540	75
305100STX1.000 Ident No.: 0011636	305100STX2.000 Ident No.: 0011637	305100STX3.000 Ident No.: 0011638	-	500	540	100
305125STX1.000 Ident No.: 0011639	305125STX2.000 Ident No.: 0011640	305125STX3.000 Ident No.: 0011641	315125ST90 Ident No.: 0011923	500	540	125
305150STX1.000 Ident No.: 0011642	305150STX2.000 Ident No.: 0011643	305150STX3.000 Ident No.: 0011644	-	500	540	150

### Load-carrying capacity:

With steel rollers: 35 kg per conveyed good (guideline value).

### Configuration of the bend carrier rollers:

Max. track width 300 mm: one-section rollers

Track width 400 mm: two-section rollers

Track width from 500 – 600 mm: three-section rollers

Track width 800 mm: four-section rollers

Also available on request in stainless steel version or with aluminum frame.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

### Delivery information:

The total length changes for the 75 mm sections.

- from 1,000 mm in 975 mm
- from 2,000 mm in 1,950 mm

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

Our wide range of accessories will complement and simplify your application.

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm
305200STX1.000 Ident No.: 0011645	305200STX2.000 Ident No.: 0011646	305200STX3.000 Ident No.: 0011647	-	500	540	200
306050STX1.000 Ident No.: 0011701	306050STX2.000 Ident No.: 0011702	306050STX3.000 Ident No.: 0011703	-	600	640	50
306075STX1.000 Ident No.: 0011704	306075STX2.000 Ident No.: 0011705	306075STX3.000 Ident No.: 0011706	316075ST90 Ident No.: 0011925	600	640	75
306100STX1.000 Ident No.: 0011707	306100STX2.000 Ident No.: 0011708	306100STX3.000 Ident No.: 0011709	-	600	640	100
306125STX1.000 Ident No.: 0011710	306125STX2.000 Ident No.: 0011711	306125STX3.000 Ident No.: 0011712	316125ST90 Ident No.: 0011927	600	640	125
306150STX1.000 Ident No.: 0011713	306150STX2.000 Ident No.: 0011714	306150STX3.000 Ident No.: 0011715	-	600	640	150
306200STX1.000 Ident No.: 0011716	306200STX2.000 Ident No.: 0011717	306200STX3.000 Ident No.: 0011718	-	600	640	200
308050STX1.000 Ident No.: 0011891	308050STX2.000 Ident No.: 0011892	308050STX3.000 Ident No.: 0011893	-	800	840	50
308075STX1.000 Ident No.: 0011894	308075STX2.000 Ident No.: 0011895	308075STX3.000 Ident No.: 0011896	318075ST90 Ident No.: 0011940	800	840	75
308100STX1.000 Ident No.: 0011897	308100STX2.000 Ident No.: 0011898	308100STX3.000 Ident No.: 0011899	-	800	840	100
308125STX1.000 Ident No.: 0011900	308125STX2.000 Ident No.: 0011901	308125STX3.000 Ident No.: 0011902	318125ST90 Ident No.: 0011942	800	840	125
308150STX1.000 Ident No.: 0011903	308150STX2.000 Ident No.: 0011904	308150STX3.000 Ident No.: 0011905	-	800	840	150
308200STX1.000 Ident No.: 0011906	308200STX2.000 Ident No.: 0011907	308200STX3.000 Ident No.: 0011908	-	800	840	200

suitable bases



flat base

Suitable castors can be found on page 156

## multi-directional wheel conveyors // light loads



### Multi-directional rollers:

- type AWR48
- barrel rollers made from plastic or polyurethane
- plastic housing (polyamide PA 6.6)
- axles from stainless steel

### Frame:

- galvanized U-profile 20/70/20 mm,  
total width = usable width + 40 mm

length 0.5 m	length 1 m	length 1.5 m	usable width mm	total width mm	pitch mm
403050AWRX500 Ident No.: 0012070	403050AWRX1.000 Ident No.: 0012068	403050AWRX1.500 Ident No.: 0012069	300	340	50
403075AWRX500 Ident No.: 0012073	403075AWRX1.000 Ident No.: 0012071	403075AWRX1.500 Ident No.: 0012072	300	340	75
403100AWRX500 Ident No.: 0012076	403100AWRX1.000 Ident No.: 0012074	403100AWRX1.500 Ident No.: 0012075	300	340	100
403125AWRX500 Ident No.: 0012079	403125AWRX1.000 Ident No.: 0012077	403125AWRX1.500 Ident No.: 0012078	300	340	125
404050AWRX500 Ident No.: 0012082	404050AWRX1.000 Ident No.: 0012080	404050AWRX1.500 Ident No.: 0012081	400	440	50
404075AWRX500 Ident No.: 0012085	404075AWRX1.000 Ident No.: 0012083	404075AWRX1.500 Ident No.: 0012084	400	440	75
404100AWRX500 Ident No.: 0012088	404100AWRX1.000 Ident No.: 0012086	404100AWRX1.500 Ident No.: 0012087	400	440	100
404125AWRX500 Ident No.: 0012091	404125AWRX1.000 Ident No.: 0012089	404125AWRX1.500 Ident No.: 0012090	400	440	125
405050AWRX500 Ident No.: 0012094	405050AWRX1.000 Ident No.: 0012092	405050AWRX1.500 Ident No.: 0012093	500	540	50
405075AWRX500 Ident No.: 0012097	405075AWRX1.000 Ident No.: 0012095	405075AWRX1.500 Ident No.: 0012096	500	540	75
405100AWRX500 Ident No.: 0012100	405100AWRX1.000 Ident No.: 0012098	405100AWRX1.500 Ident No.: 0012099	500	540	100
405125AWRX500 Ident No.: 0012102	405125AWRX1.000 Ident No.: 0012101	405125AWRX1.500 Ident No.: 0012103	500	540	125
406050AWRX500 Ident No.: 0012106	406050AWRX1.000 Ident No.: 0012104	406050AWRX1.500 Ident No.: 0012105	600	640	50
406075AWRX500 Ident No.: 0012109	406075AWRX1.000 Ident No.: 0012107	406075AWRX1.500 Ident No.: 0012108	600	640	75
406100AWRX500 Ident No.: 0012112	406100AWRX1.000 Ident No.: 0012110	406100AWRX1.500 Ident No.: 0012111	600	640	100
406125AWRX500 Ident No.: 0012116	406125AWRX1.000 Ident No.: 0012114	406125AWRX1.500 Ident No.: 0012115	600	640	125
408050AWRX500 Ident No.: 0012119	408050AWRX1.000 Ident No.: 0012117	408050AWRX1.500 Ident No.: 0012118	800	840	50

## Arrangement of rollers:

for 300 mm track width: 3 rollers/axle  
for 400 mm track width: 4 rollers/axle  
for 500 mm track width: 5 rollers/axle  
for 600 mm track width: 6 rollers/axle  
for 800 mm track width: 8 rollers/axle

Multi-directional roller conveyors are used for moving the conveyed goods in all directions at the distribution, rotation and branch positions.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

The goods being transported must have level, flat, two-dimensional, closed, dry and pressure-resistant bottoms.

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

Our wide range of accessories will complement and simplify your application.

length 0.5 m	length 1 m	length 1.5 m	usable width mm	total width mm	pitch mm
408075AWRX500 Ident No.: 0012122	408075AWRX1.000 Ident No.: 0012120	408075AWRX1.500 Ident No.: 0012121	800	840	75
408100AWRX500 Ident No.: 0012125	408100AWRX1.000 Ident No.: 0012123	408100AWRX1.500 Ident No.: 0012124	800	840	100
408125AWRX500 Ident No.: 0012128	408125AWRX1.000 Ident No.: 0012126	408125AWRX1.500 Ident No.: 0012127	800	840	125

suitable bases



flat base

## heavy-duty roller conveyors // medium to heavy loads type 50



### Carrier rollers:

- galvanized steel carrier rollers  $\varnothing$  50 mm
- ball bearing with spring axle  $\varnothing$  10 mm

### Frame:

- galvanized U-profile 40/80/40 mm, with screwed-on transverse bars
- overall width = usable width + 48 mm

### Bends:

- inside radius: 1,000 mm
- depending on width, the rollers come in either one section or multiple sections.

### Arrangement of rollers:

- rollers:  $\varnothing$  50 mm - top edge of roller is 5 mm above frame profile



*"Also available with 45° curve"*

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube- $\varnothing$ mm
9140078STX1.000 Ident No.: 0014641	9140078STX2.000 Ident No.: 0014642	9140078STX3.000 Ident No.: 0014643	9240078ST90 Ident No.: 0014689	400	480	78	50
9140104STX1.000 Ident No.: 0014644	9140104STX2.000 Ident No.: 0014645	9140104STX3.000 Ident No.: 0014646	9240104ST90 Ident No.: 0014691	400	480	104	50
9140130STX1.000 Ident No.: 0014647	9140130STX2.000 Ident No.: 0014648	9140130STX3.000 Ident No.: 0014649	9240130ST90 Ident No.: 0014693	400	480	130	50
9150078STX1.000 Ident No.: 0014650	9150078STX2.000 Ident No.: 0014651	9150078STX3.000 Ident No.: 0014652	9250078ST90 Ident No.: 0014695	500	580	78	50
9150104STX1.000 Ident No.: 0014653	9150104STX2.000 Ident No.: 0014654	9150104STX3.000 Ident No.: 0014655	9250104ST90 Ident No.: 0014697	500	580	104	50
9150130STX1.000 Ident No.: 0014658	9150130STX2.000 Ident No.: 0014659	9150130STX3.000 Ident No.: 0014660	9250130ST90 Ident No.: 0014699	500	580	130	50
9160078STX1.000 Ident No.: 0014661	9160078STX2.000 Ident No.: 0014662	9160078STX3.000 Ident No.: 0014663	9260078ST90 Ident No.: 0014701	600	680	78	50
9160104STX1.000 Ident No.: 0014664	9160104STX2.000 Ident No.: 0014665	9160104STX3.000 Ident No.: 0014666	9260104ST90 Ident No.: 0014703	600	680	104	50
9160130STX1.000 Ident No.: 0014667	9160130STX2.000 Ident No.: 0014668	9160130STX3.000 Ident No.: 0014669	9260130ST90 Ident No.: 0014705	600	680	130	50
9170078STX1.000 Ident No.: 0014670	9170078STX2.000 Ident No.: 0014671	9170078STX3.000 Ident No.: 0014672	9270078ST90 Ident No.: 0014707	700	780	78	50
9170104STX1.000 Ident No.: 0014673	9170104STX2.000 Ident No.: 0014674	9170104STX3.000 Ident No.: 0014675	9270104ST90 Ident No.: 0014709	700	780	104	50
9170130STX1.000 Ident No.: 0014676	9170130STX2.000 Ident No.: 0014677	9170130STX3.000 Ident No.: 0014678	9270130ST90 Ident No.: 0014711	700	780	130	50



## heavy-duty roller conveyors // medium to heavy loads type 50

**Load-carrying capacity:** Max. 200 kg/m

**Configuration of the bend carrier rollers:**

Max. track width 300 mm: one-section rollers

Track width from 400 mm – 800 mm: two-section rollers

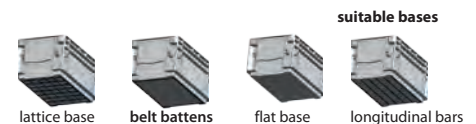
Track width from 900 – 1,000 mm: three-section rollers

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

The load capacity is dependent on the track width, pitch and the gap between the supports. You should choose a support spacing which is not larger than 2,000 mm.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm	tube-Ø mm
9180078STX1.000 Ident No.: 0014679	9180078STX2.000 Ident No.: 0014680	9180078STX3.000 Ident No.: 0014681	9280078ST90 Ident No.: 0014713	800	880	78	50
9180104STX1.000 Ident No.: 0014682	9180104STX2.000 Ident No.: 0014683	9180104STX3.000 Ident No.: 0014684	9280104ST90 Ident No.: 0014715	800	880	104	50
9180130STX1.000 Ident No.: 0014685	9180130STX2.000 Ident No.: 0014686	9180130STX3.000 Ident No.: 0014687	9280130ST90 Ident No.: 0014717	800	880	130	50
9190078STX1.000 Ident No.: 0029074	9190078STX2.000 Ident No.: 0029075	9190078STX3.000 Ident No.: 0029076	9290078ST90 Ident No.: 0029084	900	980	78	50
9190104STX1.000 Ident No.: 0029077	9190104STX2.000 Ident No.: 0029078	9190104STX3.000 Ident No.: 0029079	9290104ST90 Ident No.: 0029086	900	980	104	50



**Suitable castors can be found on page 156**

## heavy-duty roller conveyors // medium to heavy loads type 60



### Carrier rollers:

- galvanized steel carrier rollers  $\varnothing$  60 mm
- ball bearing with spring axle  $\varnothing$  10 mm

### Frame:

- galvanized U-profile 40/80/40 mm, with screwed-on transverse bars
- overall width = usable width + 80 mm

### Bends:

- inside radius: 1,000 mm
- depending on width, the rollers come in either one section or multiple sections

### Note:

Upper edge of roller is 10 mm above the frame profile.

rollers bright steel	rollers galvanized	usable width mm	total width mm	pitch mm	tube- $\varnothing$ mm
S96300-104 Ident No.: 0023685	V96300-104 Ident No.: 0026512	300	380	104	60
S96300-130 Ident No.: 0023686	V96300-130 Ident No.: 0026513	300	380	130	60
S96300-156 Ident No.: 0023687	V96300-156 Ident No.: 0026514	300	380	156	60
S96300-182 Ident No.: 0023688	V96300-182 Ident No.: 0026515	300	380	182	60
S96300-208 Ident No.: 0023689	V96300-208 Ident No.: 0026516	300	380	208	60
S96400-104 Ident No.: 0023691	V96400-104 Ident No.: 0026519	400	480	104	60
S96400-130 Ident No.: 0023692	V96400-130 Ident No.: 0026520	400	480	130	60
S96400-156 Ident No.: 0023693	V96400-156 Ident No.: 0026521	400	480	156	60
S96400-182 Ident No.: 0023694	V96400-182 Ident No.: 0026522	400	480	182	60
S96400-208 Ident No.: 0023695	V96400-208 Ident No.: 0026523	400	480	208	60
S96500-104 Ident No.: 0023697	V96500-104 Ident No.: 0026525	500	580	104	60
S96500-130 Ident No.: 0023698	V96500-130 Ident No.: 0026526	500	580	130	60
S96500-156 Ident No.: 0023699	V96500-156 Ident No.: 0026527	500	580	156	60
S96500-182 Ident No.: 0023700	V96500-182 Ident No.: 0026528	500	580	182	60
S96500-208 Ident No.: 0023701	V96500-208 Ident No.: 0026529	500	580	208	60
S96600-104 Ident No.: 0023703	V96600-104 Ident No.: 0026531	600	680	104	60
S96600-130 Ident No.: 0023704	V96600-130 Ident No.: 0026532	600	680	130	60



## heavy-duty roller conveyors // medium to heavy loads type 60

**Load-carrying capacity:** Max. 600 kg/m

The load capacity is dependent on the track width, pitch and the gap between the supports. You should choose a support spacing which is not larger than 2,000 mm.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

### suitable bases



lattice base



belt battens



flat base



longitudinal bars

rollers bright steel	rollers galvanized	usable width mm	total width mm	pitch mm	tube-Ø mm
S96600-156 Ident No.: 0023705	V96600-156 Ident No.: 0026533	600	680	156	60
S96600-182 Ident No.: 0023706	V96600-182 Ident No.: 0026534	600	680	182	60
S96600-208 Ident No.: 0023707	V96600-208 Ident No.: 0026535	600	680	208	60
S96800-104 Ident No.: 0023715	V96800-104 Ident No.: 0026629	800	880	104	60
S96800-130 Ident No.: 0023716	V96800-130 Ident No.: 0026543	800	880	130	60
S96800-156 Ident No.: 0023717	V96800-156 Ident No.: 0026571	800	880	156	60
S96800-182 Ident No.: 0023718	V96800-182 Ident No.: 0026572	800	880	182	60
S96800-208 Ident No.: 0028881	V96800-208 Ident No.: 0026573	800	880	208	60
S96900-104 Ident No.: 0028883	V96900-104 Ident No.: 0028856	900	980	104	60
S96900-130 Ident No.: 0028884	V96900-130 Ident No.: 0028857	900	980	130	60
S96900-156 Ident No.: 0028885	V96900-156 Ident No.: 0028858	900	980	156	60
S96900-182 Ident No.: 0028886	V96900-182 Ident No.: 0028859	900	980	182	60
S96900-208 Ident No.: 0028887	V96900-208 Ident No.: 0028860	900	980	208	60
S961.000-104 Ident No.: 0028889	V961.000-104 Ident No.: 0028862	1,000	1,080	104	60
S961.000-130 Ident No.: 0028890	V961.000-130 Ident No.: 0028863	1,000	1,080	130	60
S961.000-156 Ident No.: 0028891	V961.000-156 Ident No.: 0028864	1,000	1,080	156	60
S961.000-182 Ident No.: 0028892	V961.000-182 Ident No.: 0028865	1,000	1,080	182	60

Suitable castors can be found on page 159

## heavy-duty roller conveyors // heavy loads type 80



### Carrier rollers:

- galvanized steel carrier rollers, Ø 80 mm
- ball bearing with spring axle Ø 10 mm

### Frame:

- galvanized U-profile 40/80/40 mm, with screwed-on transverse bars
- overall width = usable width + 80 mm

### Bends:

- inside radius: 1,000 mm
- depending on width, the rollers come in either one section or multiple sections

### Note:

Upper edge of roller is 20 mm above the frame profile.

rollers bright steel	rollers galvanized	usable width mm	total width mm	pitch mm	tube-Ø mm
S97300-104 Ident No.: 0023719	V97300-104 Ident No.: 0024566	300	380	104	80
S97300-130 Ident No.: 0023720	V97300-130 Ident No.: 0024567	300	380	130	80
S97300-156 Ident No.: 0023721	V97300-156 Ident No.: 0024568	300	380	156	80
S97300-182 Ident No.: 0023722	V97300-182 Ident No.: 0024569	300	380	182	80
S97300-208 Ident No.: 0023723	V97300-208 Ident No.: 0024570	300	380	208	80
S97400-104 Ident No.: 0023725	V97400-104 Ident No.: 0026544	400	480	104	80
S97400-130 Ident No.: 0023726	V97400-130 Ident No.: 0026545	400	480	130	80
S97400-156 Ident No.: 0023727	V97400-156 Ident No.: 0026546	400	480	156	80
S97400-182 Ident No.: 0023728	V97400-182 Ident No.: 0026547	400	480	182	80
S97400-208 Ident No.: 0023729	V97400-208 Ident No.: 0026548	400	480	208	80
S97500-104 Ident No.: 0023731	V97500-104 Ident No.: 0026550	500	580	104	80
S97500-130 Ident No.: 0023732	V97500-130 Ident No.: 0026551	500	580	130	80
S97500-156 Ident No.: 0023733	V97500-156 Ident No.: 0026552	500	580	156	80
S97500-182 Ident No.: 0023734	V97500-182 Ident No.: 0026553	500	580	182	80
S97500-208 Ident No.: 0023735	V97500-208 Ident No.: 0026554	500	580	208	80
S97600-104 Ident No.: 0023737	V97600-104 Ident No.: 0026556	600	680	104	80
S97600-130 Ident No.: 0023738	V97600-130 Ident No.: 0026557	600	680	130	80

**Load-carrying capacity:** Max. 800 kg/m

The load capacity is dependent on the track width, pitch and the gap between the supports. You should choose a support spacing which is not larger than 2,000 mm.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.

## suitable bases



lattice base



belt batten



flat base



longitudinal bars

rollers bright steel	rollers galvanized	usable width mm	total width mm	pitch mm	tube-Ø mm
S97600-156 Ident No.: 0023739	V97600-156 Ident No.: 0026558	600	680	156	80
S97600-182 Ident No.: 0023740	V97600-182 Ident No.: 0026559	600	680	182	80
S97600-208 Ident No.: 0023743	V97600-208 Ident No.: 0026560	600	680	208	80
S97800-104 Ident No.: 0028895	V97800-104 Ident No.: 0026568	800	880	104	80
S97800-130 Ident No.: 0023751	V97800-130 Ident No.: 0026569	800	880	130	80
S97800-156 Ident No.: 0023752	V97800-156 Ident No.: 0026570	800	880	156	80
S97800-182 Ident No.: 0023753	V97800-182 Ident No.: 0026575	800	880	182	80
S97800-208 Ident No.: 0023754	V97800-208 Ident No.: 0026576	800	880	208	80
S97900-104 Ident No.: 0028896	V97900-104 Ident No.: 0028869	900	980	104	80
S97900-130 Ident No.: 0028897	V97900-130 Ident No.: 0028870	900	980	130	80
S97900-156 Ident No.: 0028898	V97900-156 Ident No.: 0028871	900	980	156	80
S97900-182 Ident No.: 0028899	V97900-182 Ident No.: 0028872	900	980	182	80
S97900-208 Ident No.: 0028900	V97900-208 Ident No.: 0028873	900	980	208	80
S971.000-104 Ident No.: 0028902	V971.000-104 Ident No.: 0028875	1,000	1,080	104	80
S971.000-130 Ident No.: 0028903	V971.000-130 Ident No.: 0028876	1,000	1,080	130	80
S971.000-156 Ident No.: 0028904	V971.000-156 Ident No.: 0028877	1,000	1,080	156	80
S971.000-182 Ident No.: 0028905	V971.000-182 Ident No.: 0028878	1,000	1,080	182	80

**Suitable castors can be found on page 160**

## heavy-duty roller conveyors // heavy loads type 89



### Carrier rollers:

- Steel carrier rollers: Ø 89 mm
- ball bearing-mounted
- Ø 20 mm axle with internal M12 thread, screwed-on

### Frame:

- L-shaped system profile 135/65/29 x 5 mm, painted in sky blue RAL 5015
- with system-grid holes

rollers bright steel	rollers galvanized	usable width mm	total width mm	pitch mm	tube-Ø mm
SS98400-95,25 Ident No.: 0024010	V98400-95,25 Ident No.: 0035532	400	480	95.25	89
SS98400-127 Ident No.: 0024011	V98400-127 Ident No.: 0035533	400	480	127	89
SS98400-158,75 Ident No.: 0024012	V98400-158,75 Ident No.: 0035534	400	480	158.75	89
SS98400-190,5 Ident No.: 0024013	V98400-190,50 Ident No.: 0035535	400	480	190.5	89
SS98400-222,25 Ident No.: 0024014	V98400-222,25 Ident No.: 0035536	400	480	222.25	89
SS98500-95,25 Ident No.: 0024016	V98500-95,25 Ident No.: 0035538	500	580	95.25	89
SS98500-127 Ident No.: 0024017	V98500-127 Ident No.: 0035539	500	580	127	89
SS98500-158,75 Ident No.: 0024018	V98500-158,75 Ident No.: 0035540	500	580	158.75	89
SS98500-190,5 Ident No.: 0024019	V98500-190,50 Ident No.: 0035541	500	580	190.5	89
SS98500-222,25 Ident No.: 0024020	V98500-222,25 Ident No.: 0035542	500	580	222.25	89
SS98600-95,25 Ident No.: 0024022	V98600-95,25 Ident No.: 0035544	600	680	95.25	89
SS98600-127 Ident No.: 0024023	V98600-127 Ident No.: 0035545	600	680	127	89
SS98600-158,75 Ident No.: 0024024	V98600-158,75 Ident No.: 0035546	600	680	158.75	89
SS98600-190,5 Ident No.: 0024025	V98600-190,50 Ident No.: 0035547	600	680	190.5	89
SS98600-222,25 Ident No.: 0024026	V98600-222,25 Ident No.: 0035548	600	680	222.25	89
SS98700-95,25 Ident No.: 0024028	V98700-95,25 Ident No.: 0035550	700	780	95.25	89
SS98700-127 Ident No.: 0024029	V98700-127 Ident No.: 0035551	700	780	127	89

**Load-carrying capacity:** Max. 1,250 kg/m

The load capacity is dependent on the track width, pitch and the gap between the supports. Heavy-duty roller conveyors should always be requested by specifying the goods you will be conveying, the intended use and the usage conditions for your application.

When ordering, please specify the desired roller conveyor type (type of roller, division and track width) and your desired track length.

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.

## suitable bases



lattice base



belt battens



flat base



longitudinal bars

rollers bright steel	rollers galvanized	usable width mm	total width mm	pitch mm	tube-Ø mm
SS98700-158,75 Ident No.: 0024030	V98700-158,75 Ident No.: 0035552	700	780	158.75	89
SS98700-190,5 Ident No.: 0024031	V98700-190,50 Ident No.: 0035553	700	780	190.5	89
SS98700-222,25 Ident No.: 0024032	V98700-222,25 Ident No.: 0035554	700	780	222.25	89
SS98800-95,25 Ident No.: 0024034	V98800-95,25 Ident No.: 0035556	800	880	95.25	89
SS98800-127 Ident No.: 0024035	V98800-127 Ident No.: 0035557	800	880	127	89
SS98800-158,75 Ident No.: 0024036	V98800-158,75 Ident No.: 0035558	800	880	158.75	89
SS98800-190,5 Ident No.: 0024037	V98800-190,50 Ident No.: 0035559	800	880	190.5	89
SS98800-222,25 Ident No.: 0024038	V98800-222,25 Ident No.: 0035560	800	880	222.25	89
SS98900-95,25 Ident No.: 0028908	V98900-95,25 Ident No.: 0035562	900	980	95.25	89
SS98900-127 Ident No.: 0028909	V98900-127 Ident No.: 0035563	900	980	127	89
SS98900-158,75 Ident No.: 0028910	V98900-158,75 Ident No.: 0035564	900	980	158.75	89
SS98900-190,5 Ident No.: 0028911	V98900-190,50 Ident No.: 0035565	900	980	190.5	89
SS98900-222,25 Ident No.: 0028912	V98900-222,25 Ident No.: 0035566	900	980	222.25	89
SS981,000-95,25 Ident No.: 0028914	V981,000-95,25 Ident No.: 0035568	1,000	1,080	95.25	89
SS981,000-127 Ident No.: 0028915	V981,000-127 Ident No.: 0035569	1,000	1,080	127	89
SS981,000-158,75 Ident No.: 0028916	V981,000-158,75 Ident No.: 0035570	1,000	1,080	158.75	89
SS981,000-190,5 Ident No.: 0028917	V981,000-190,50 Ident No.: 0035571	1,000	1,080	190.5	89

Suitable castors can be found on page 161

## scissor roller conveyors // light loads



### Conveyor rollers:

- galvanized steel and plastic rollers, Ø 48 mm
- ball bearing, offset positioned, screwed-on axles, Ø 8 mm

### Frame:

- galvanized lattice grate frame

### Axle spacing:

- infinitely adjustable between approx. 32 mm and 130 mm, depending on the extended length

### Note:

- can be changed in the conveyor system (extendable)
- adjustable height (H: 700 – 1,100 mm)
- can be moved on the swivel rollers, with brake
- flexible conveyor routing

### suitable bases



flat base

scissor roller conveyors	usable width mm	number of support legs pcs	rollers/ axle pcs	scissor roller conveyor mm	min. extending range mm	max. extending range mm	load-carrying capacity between 2 supports kg	number of scissoring belts pcs
80303,8KU Ident No.: 0014211	300	3	3	700-1,100	1,200	4,400	100	2
80305,3KU Ident No.: 0014213	300	4	3	700-1,100	1,700	6,200	100	2
80306,8KU Ident No.: 0014215	300	5	3	700-1,100	2,200	7,900	100	2
80308,3KU Ident No.: 0014217	300	6	3	700-1,100	2,800	9,600	100	2
80403,8KU Ident No.: 0014219	400	3	4	700-1,100	1,200	4,400	100	2
80405,3KU Ident No.: 0014221	400	4	4	700-1,100	1,700	6,200	100	2
80406,8KU Ident No.: 0014223	400	5	4	700-1,100	2,200	7,900	100	2
80408,3KU Ident No.: 0014225	400	6	4	700-1,100	2,800	9,600	100	2
80503,8KU Ident No.: 0014226	500	3	5	700-1,100	1,200	4,400	120	3
80505,3KU Ident No.: 0014228	500	4	5	700-1,100	1,700	6,200	120	3
80506,8KU Ident No.: 0014230	500	5	5	700-1,100	2,200	7,900	120	3
80508,3KU Ident No.: 0014233	500	6	5	700-1,100	2,800	9,600	120	3
80603,8KU Ident No.: 0014235	600	3	6	700-1,100	1,200	4,400	120	3
80605,3KU Ident No.: 0014237	600	4	6	700-1,100	1,700	6,200	120	3
80606,8KU Ident No.: 0014239	600	5	6	700-1,100	2,200	7,900	120	3
80608,3KU Ident No.: 0014241	600	6	6	700-1,100	2,800	9,600	120	3

Suitable castors can be found on page 162

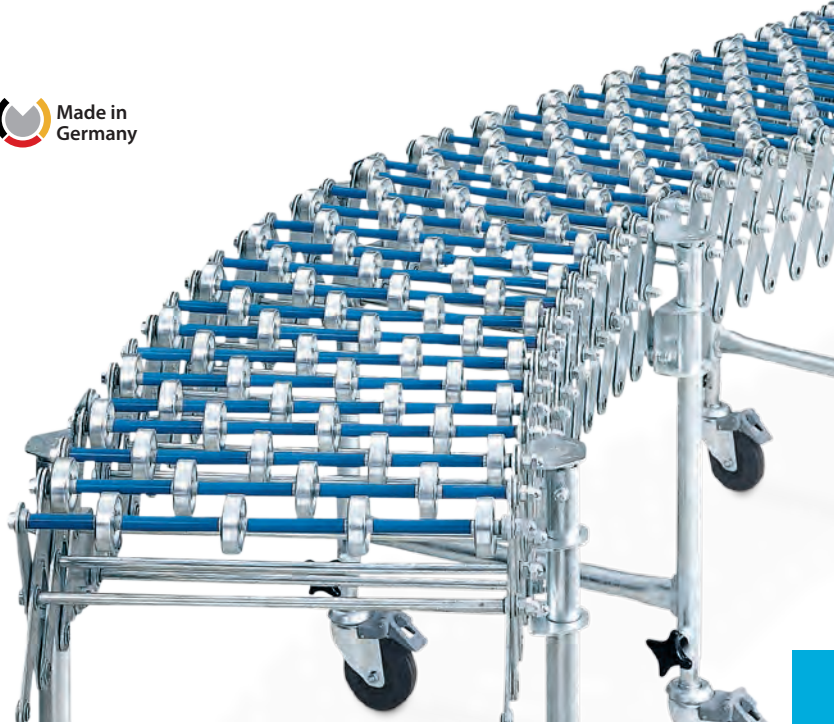


Scissoring roller conveyors are independent, flexible conveyors that can be used for curves.

When ordering please specify the order number. Customized widths and heights are available on request.

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over.

The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.



suitable bases

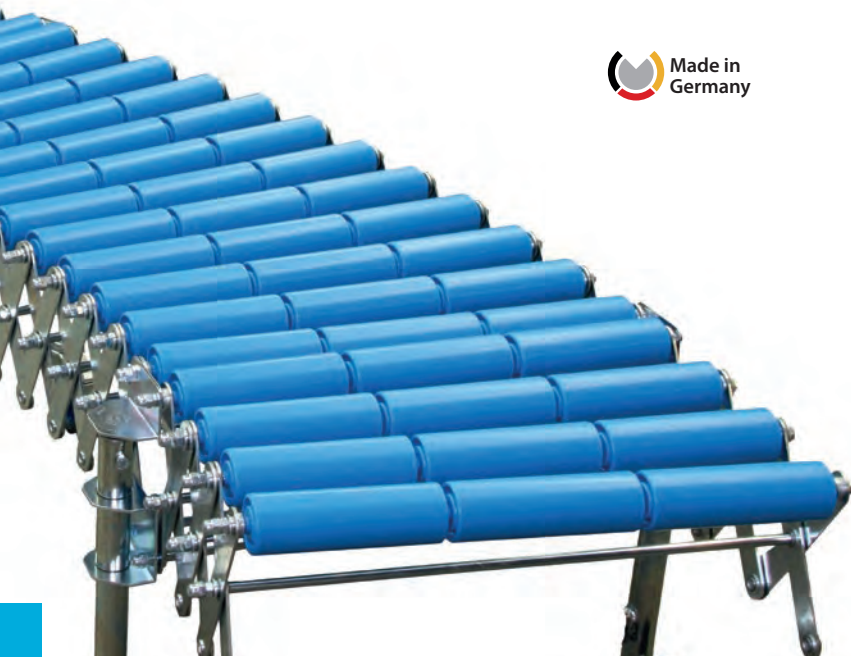


flat base

scissor roller conveyors	usable width mm	number of support legs pcs	rollers/ axle pcs	scissor roller conveyor mm	min. extending range mm	max. extending range mm	load-carrying capacity between 2 supports kg	number of scissoring belts pcs
80303,8ST Ident No.: 0014212	300	3	3	700-1,100	1,200	4,400	100	2
80305,3ST Ident No.: 0014214	300	4	3	700-1,100	1,700	6,200	100	2
80306,8ST Ident No.: 0014216	300	5	3	700-1,100	2,200	7,900	100	2
80308,3ST Ident No.: 0014218	300	6	3	700-1,100	2,800	9,600	100	2
80403,8ST Ident No.: 0014220	400	3	4	700-1,100	1,200	4,400	100	2
80405,3ST Ident No.: 0014222	400	4	4	700-1,100	1,700	6,200	100	2
80406,8ST Ident No.: 0014224	400	5	4	700-1,100	2,200	7,900	100	2
80408,3ST Ident No.: 0014231	400	6	4	700-1,100	2,800	9,600	100	2
80503,8ST Ident No.: 0014227	500	3	5	700-1,100	1,200	4,400	120	3
80505,3ST Ident No.: 0014229	500	4	5	700-1,100	1,700	6,200	120	3
80506,8ST Ident No.: 0014232	500	5	5	700-1,100	2,200	7,900	120	3
80508,3ST Ident No.: 0014234	500	6	5	700-1,100	2,800	9,600	120	3
80603,8ST Ident No.: 0014236	600	3	6	700-1,100	1,200	4,400	120	3
80605,3ST Ident No.: 0014238	600	4	6	700-1,100	1,700	6,200	120	3
80606,8ST Ident No.: 0014240	600	5	6	700-1,100	2,200	7,900	120	3
80608,3ST Ident No.: 0014242	600	6	6	700-1,100	2,800	9,600	120	3

Suitable castors can be found on page 162

## scissor roller conveyors // light loads



### Carrier rollers:

- galvanized steel and plastic carrier rollers, Ø 50 mm
- ball bearing, offset positioned, screwed-on axles, Ø 8 mm

### Frame:

- galvanized lattice grate frame

### Axle spacing:

- infinitely adjustable between approx. 55 mm and 130 mm, depending on the extended length

### Note:

- can be changed in the conveyor system (extendable)
- adjustable height (H: 700 – 1,100 mm)
- can be moved on the swivel rollers, with brake

suitable bases



lattice base



belt battens



flat base



longitudinal bars

scissor roller conveyors	usable width mm	number of support legs pcs	rollers/ axle pcs	scissor roller conveyor mm	min. extending range mm	max. extending range mm	load-carrying capacity between 2 supports kg	number of scissoring belts pcs
90303,8KU Ident No.: 0014595	300	3	1	700-1,100	1,900	4,400	100	2
90305,3KU Ident No.: 0014597	300	4	1	700-1,100	2,700	6,200	100	2
90306,8KU Ident No.: 0014599	300	5	1	700-1,100	3,300	7,900	100	2
90308,3KU Ident No.: 0014601	300	6	1	700-1,100	4,000	9,600	100	2
90403,8KU Ident No.: 0014603	400	3	2	700-1,100	1,900	4,400	100	2
90405,3KU Ident No.: 0014605	400	4	2	700-1,100	2,700	6,200	100	2
90406,8KU Ident No.: 0014607	400	5	2	700-1,100	3,300	7,900	100	2
90408,3KU Ident No.: 0014609	400	6	2	700-1,100	4,000	9,600	100	2
90503,8KU Ident No.: 0014615	500	3	3	700-1,100	1,900	4,400	100	2
90505,3KU Ident No.: 0014616	500	4	3	700-1,100	2,700	6,200	100	2
90506,8KU Ident No.: 0014618	500	5	3	700-1,100	3,300	7,900	100	2
90508,3KU Ident No.: 0014620	500	6	3	700-1,100	4,000	9,600	100	2
90603,8KU Ident No.: 0014627	600	3	2	700-1,100	1,900	4,400	120	3
90605,3KU Ident No.: 0014630	600	4	2	700-1,100	2,700	6,200	120	3
90606,8KU Ident No.: 0014632	600	5	2	700-1,100	3,300	7,900	120	3
90608,3KU Ident No.: 0014634	600	6	2	700-1,100	4,000	9,600	120	3

Suitable castors can be found on page 162



Scissoring roller conveyors are independent, flexible conveyors that can be used for curves.

When ordering please specify the order number. Customized widths and heights are available on request. The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over.



The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.



suitable bases



lattice base



belt battens



flat base



longitudinal bars

scissor roller conveyors	usable width mm	number of support legs pcs	rollers/ axle pcs	scissor roller conveyor mm	min. extending range mm	max. extending range mm	load-carrying capacity between 2 supports kg	number of scissoring belts pcs
90303,8ST Ident No.: 0014596	300	3	1	700-1,100	1,900	4,400	100	2
90305,3ST Ident No.: 0014598	300	4	1	700-1,100	2,700	6,200	100	2
90306,8ST Ident No.: 0014600	300	5	1	700-1,100	3,300	7,900	100	2
90308,3ST Ident No.: 0014602	300	6	1	700-1,100	4,000	9,600	100	2
90403,8ST Ident No.: 0014604	400	3	2	700-1,100	1,900	4,400	100	2
90405,3ST Ident No.: 0014606	400	4	2	700-1,100	2,700	6,200	100	2
90406,8ST Ident No.: 0014608	400	5	2	700-1,100	3,300	7,900	100	2
90408,3ST Ident No.: 0014610	400	6	2	700-1,100	4,000	9,600	100	2
90503,8ST Ident No.: 0014614	500	3	3	700-1,100	1,900	4,400	100	2
90505,3ST Ident No.: 0014617	500	4	3	700-1,100	2,700	6,200	100	2
90506,8ST Ident No.: 0014619	500	5	3	700-1,100	3,300	7,900	100	2
90508,3ST Ident No.: 0014621	500	6	3	700-1,100	4,000	9,600	100	2
90603,8ST Ident No.: 0014629	600	3	2	700-1,100	1,900	4,400	120	3
90605,3ST Ident No.: 0014631	600	4	2	700-1,100	2,700	6,200	120	3
90606,8ST Ident No.: 0014633	600	5	2	700-1,100	3,300	7,900	120	3
90608,3ST Ident No.: 0014635	600	6	2	700-1,100	4,000	9,600	120	3

Suitable castors can be found on page 162

## Ball transfer tables for discharging, or for use as rotating and distributing tables

We custom manufacture our ball transfer tables in any size to fit your application requirements. The standard design (with 15 mm diameter ball) is designed for conveying goods up to 40 kg per piece. This design can be adapted to a particular system by combining it with rollers and wheel conveyors. The goods being transported must have level, flat, two-dimensional, closed, dry and pressure resistant bottoms.

We manufacture ball transfer tables to match your requirements.

### Ball transfer variants

- 🔗 steel, stainless steel or nylon ball
  - 🔗 running ball with Ø 15 mm / load capacity 50 kg
  - 🔗 running ball with Ø 22 mm / load capacity 130 kg
- (The load capacity specification refers only to the unattached ball transfer unit.)

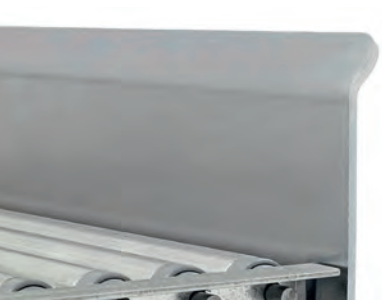
The table tops are available as either bright steel, surface coated or stainless steel. The ball transfer units are mounted using press-in fittings.

### When ordering please specify:

- 🔗 ball transfer type, pitch, distance from edge
- 🔗 table size (width x length x height)
- 🔗 material , surface
- 🔗 load-carrying capacity
- 🔗 smallest possible base surface of your conveyed goods;  
type and consistency of conveyed goods
- 🔗 required accessories: such as supporting feet, side guides







end stop	material	track width up to mm	attachment version
EA300-5 Ident No.: 0015971	from galvanized steel sheet	500	tightly screwed on
EA300-8 Ident No.: 0015972	from galvanized steel sheet	800	tightly screwed on
EA301-5 Ident No.: 0015973	from galvanized steel sheet	500	suspended
EA301-8 Ident No.: 0015974	from galvanized steel sheet	800	suspended



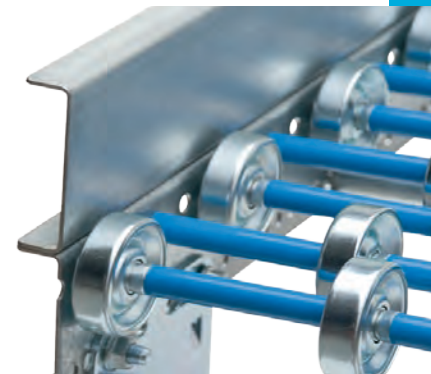
folding passage	track width up to mm	retractable conveyor / folding passage
DG400-5 Ident No.: 0015661	500	with scharnieren
DG400-8 Ident No.: 0015662	800	with scharnieren
DG401-5 Ident No.: 0015663	500	with hinges with additional spring-based balancing of the weight load
DG401-8 Ident No.: 0015664	800	with hinges with additional spring-based balancing of the weight load

directional control	number of sides
SFC100 Ident No.: 0026967	one-sided
SFC100-45 Ident No.: 0026969	one-sided, 45° curve
SFC100-90 Ident No.: 0026968	one-sided, 90° curve
SFC102 Ident No.: 0026970	both sides
SFC102-45 Ident No.: 0026972	both sides, 45° curve
SFC102-90 Ident No.: 0026971	both sides, 90° curve



directional control	number of sides
PF-200 Ident No.: 0022536	one-sided
PF-200-45° Ident No.: 0022537	one-sided, 45° curve
PF-200-90° Ident No.: 0022538	one-sided, 90° curve
PF-202 Ident No.: 0022540	both sides
PF-202-45° Ident No.: 0022541	both sides, 45° curve
PF-202-90° Ident No.: 0022542	both sides, 90° curve

U-profile





### Support frames SZ2

- for fixed installations of roller and wheel conveyors
- sturdy steel construction
- adjustable inclination of track
- can be attached to any part of the frame
- height is infinitely adjustable
- painted in RAL 5015

Can be delivered in other colors, in galvanized or stainless steel on request. The support frames can also be equipped with swivel castors.

When ordering, please specify your desired track width and installation height.

support frame	min. installation height mm	max. installation height mm	track width up to mm
SZ2-275-340-5 Ident No.: 0028060	275	340	500
SZ2-275-340-8 Ident No.: 0028061	275	340	800
SZ2-330-395-5 Ident No.: 0028062	330	395	500
SZ2-330-395-8 Ident No.: 0028063	330	395	800
SZ2-390-570-5 Ident No.: 0028064	390	570	500
SZ2-390-570-8 Ident No.: 0028065	390	570	800
SZ2-550-850-5 Ident No.: 0028066	550	850	500
SZ2-550-850-8 Ident No.: 0028067	550	850	800
SZ2-680-1100-5 Ident No.: 0028068	680	1,100	500
SZ2-680-1100-8 Ident No.: 0028069	680	1,100	800
SZ2-870-1350-5 Ident No.: 0028070	870	1,350	500
SZ2-870-1350-8 Ident No.: 0028071	870	1,350	800
SZ2-1100-1550-5 Ident No.: 0028072	1,100	1,550	500
SZ2-1100-1550-8 Ident No.: 0028073	1,100	1,550	800



### Support frames S1

- sturdy square-tube construction 40x40x2 mm
- with swivel-jointed plates for adjusting the track inclination
- can be attached to any part of the frame
- height is infinitely adjustable via the 34x34x2 mm telescopic foot
- painted in RAL 5015



support frame	min. installation height mm	max. installation height mm	track width up to mm
S1-275-340-MM-6 Ident No.: 0021886	275	340	600
S1-330-395-MM-6 Ident No.: 0021887	330	395	600
S1-390-570-MM-6 Ident No.: 0021888	390	570	600
S1-550-800-MM-6 Ident No.: 0021889	550	800	600
S1-680-1100-MM-6 Ident No.: 0021890	680	1,100	600
S1-870-1350-MM-6 Ident No.: 0021891	870	1,350	600
S1-1100-1.500-MM-6 Ident No.: 0021892	1,100	1,500	600
S1-275-340-MM-8 Ident No.: 0021893	275	340	800
S1-330-395-MM-8 Ident No.: 0021894	330	395	800
S1-390-570-MM-8 Ident No.: 0021895	390	570	800
S1-550-800-MM-8 Ident No.: 0021896	550	800	800
S1-680-1100-MM-8 Ident No.: 0021897	680	1,100	800
S1-870-1350-MM-8 Ident No.: 0021898	870	1,350	800
S1-1100-1.500-MM-8 Ident No.: 0021899	1,100	1,500	800



### Support frames S2

- sturdy square-tube construction 50x50x4 mm
- with welded head plate
- height is infinitely adjustable via the 40x40x4 mm telescopic foot
- painted in RAL 5015

support frame	min. installation height mm	max. installation height mm	track width up to mm
S2-275-340-MM-6 Ident No.: 0021900	275	340	600
S2-330-395-MM-6 Ident No.: 0021901	330	395	600
S2-390-570-MM-6 Ident No.: 0021902	390	570	600
S2-550-800-MM-6 Ident No.: 0021903	550	800	600
S2-680-1100-MM-6 Ident No.: 0021904	680	1,100	600
S2-870-1300-MM-6 Ident No.: 0021905	870	1,300	600
S2-1100-1.500-MM-6 Ident No.: 0021906	1,100	1,500	600
S2-275-340-MM-8 Ident No.: 0021907	275	340	800
S2-330-395-MM-8 Ident No.: 0021908	330	395	800
S2-390-570-MM-8 Ident No.: 0021909	390	570	800
S2-550-800-MM-8 Ident No.: 0021910	550	800	800
S2-680-1100-MM-8 Ident No.: 0021911	680	1,100	800
S2-870-1300-MM-8 Ident No.: 0021912	870	1,300	800
S2-1100-1.500-MM-8 Ident No.: 0021913	1,100	1,500	800



### Support frames S3

- heavy-duty welded construction from U-shaped profile sections (U-80)
- height adjustment: +/- 40 mm,
- uses M20 threaded spindle with foot plate
- painted in RAL 5015



support frame	min. installation height mm	max. installation height mm	track width up to mm
SS3-300-600-MM-6 Ident No.: 0021915	300	600	600
SS3-600-900-MM-6 Ident No.: 0021916	600	900	600
SS3-900-1.200-MM-6 Ident No.: 0021917	900	1,200	600
SS3-1200-1.500-MM-6 Ident No.: 0021918	1,200	1,500	600
SS3-300-600-MM-8 Ident No.: 0021919	300	600	800
SS3-600-900-MM-8 Ident No.: 0021920	600	900	800
SS3-900-1.200-MM-8 Ident No.: 0021921	900	1,200	800
SS3-1200-1.500-MM-8 Ident No.: 0021922	1,200	1,500	800

Hinged end stop



end stop	track width mm	attachment version
Ident No.: 0034630	300	hinged
Ident No.: 0034632	400	hinged
Ident No.: 0034634	500	hinged
Ident No.: 0034636	600	hinged

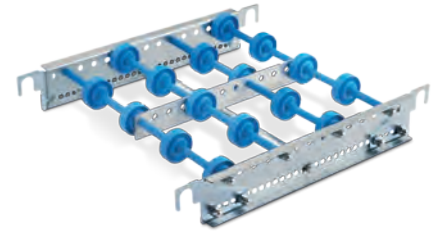
Fixed end stop



end stop	track width mm	attachment version
Ident No.: 0034631	300	screwed on
Ident No.: 0034633	400	screwed on
Ident No.: 0034635	500	screwed on
Ident No.: 0034637	600	screwed on

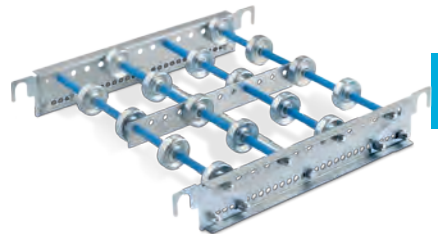
connecting piece	usable width mm	type of roller
V-ST80-300-KU Ident No.: 0026492	300	with plastic rollers Ø 48, type 2300/48/6
V-ST80-400-KU Ident No.: 0026494	400	with plastic rollers Ø 48, type 2300/48/6
V-ST80-500-KU Ident No.: 0026496	500	with plastic rollers Ø 48, type 2300/48/6
V-ST80-600-KU Ident No.: 0026498	600	with plastic rollers Ø 48, type 2300/48/6

Plastic



connecting piece	usable width mm	type of roller
V-ST80-300-ST Ident No.: 0026493	300	with steel rollers Ø 48 mm, type 2200/48/6
V-ST80-400-ST Ident No.: 0026495	400	with steel rollers Ø 48 mm, type 2200/48/6
V-ST80-500-ST Ident No.: 0026497	500	with steel rollers Ø 48 mm, type 2200/48/6
V-ST80-600-ST Ident No.: 0026499	600	with steel rollers Ø 48 mm, type 2200/48/6

Steel



connecting piece	usable width mm	type of roller
V-ST90-300KU Ident No.: 0026500	300	plastic carrier roller Ø 50 mm
V-ST90-400KU Ident No.: 0026502	400	plastic carrier roller Ø 50 mm
V-ST90-500KU Ident No.: 0026504	500	plastic carrier roller Ø 50 mm
V-ST90-600KU Ident No.: 0026506	600	plastic carrier roller Ø 50 mm

Plastic carrier rollers



connecting piece	usable width mm	type of roller
V-ST90-300ST Ident No.: 0026501	300	steel carrier roller Ø 50 mm
V-ST90-400ST Ident No.: 0026503	400	steel carrier roller Ø 50 mm
V-ST90-500ST Ident No.: 0026505	500	steel carrier roller Ø 50 mm
V-ST90-600ST Ident No.: 0026507	600	steel carrier roller Ø 50 mm

Steel carrier rollers



supporting columns // up to 400 kg



Supporting columns

The height of the material supporting columns is infinitely adjustable using a spindle. The columns are equipped with ball-bearing carrier rollers.

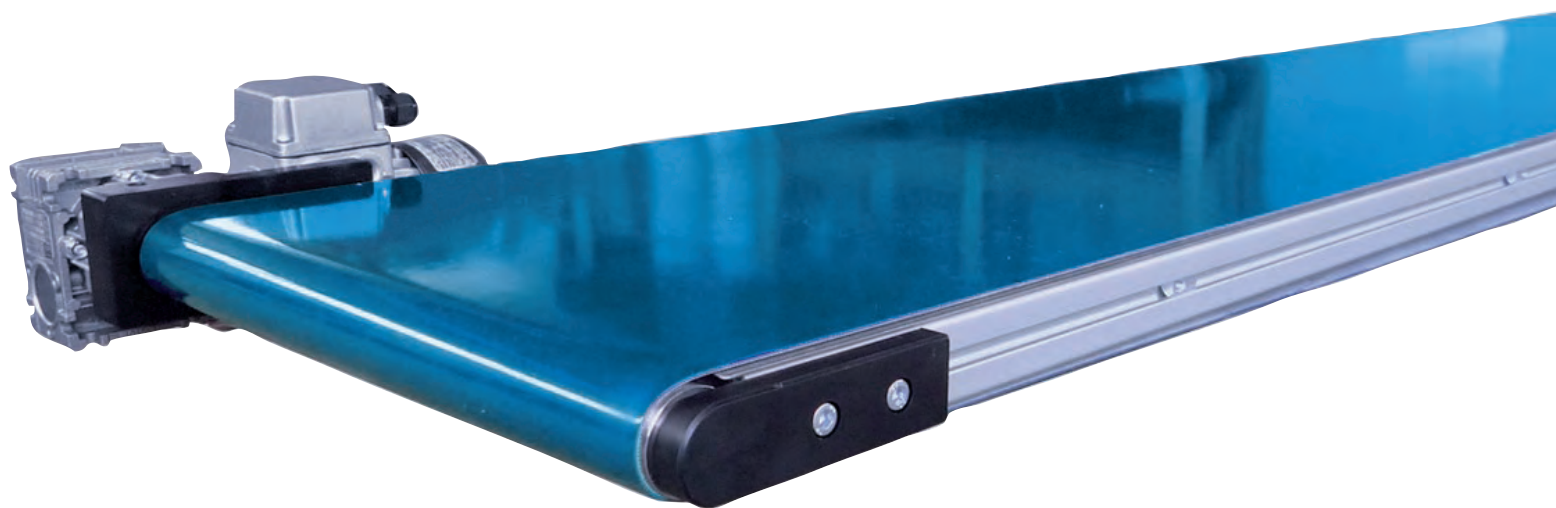
Special designs – for example, featuring a V-shaped support or ball transfer units – are available on request.

supporting columns	support width mm	min. height adjustment mm	max. height adjustment mm	load-carrying capacity with steel carrier roller kg	support type	height control
TO-HEAVY-DUTY 1 Ident No.: 0025203	500	500	750	400	carrier roller	threaded spindle
TO-HEAVY-DUTY 2 Ident No.: 0025204	500	750	1,200	400	carrier roller	threaded spindle

**supporting columns //** up to 650 kg



supporting columns	support width mm	min. height adjustment mm	max. height adjustment mm	load-carrying capacity with steel carrier roller kg	support type	height control
TO-FOUR-FOOD-1 Ident No.: 0025205	500	500	750	650	carrier roller	threaded spindle
TO-FOUR-FOOD-2 Ident No.: 0025206	500	750	1,200	650	carrier roller	threaded spindle



## A goal-oriented **belt conveyor**

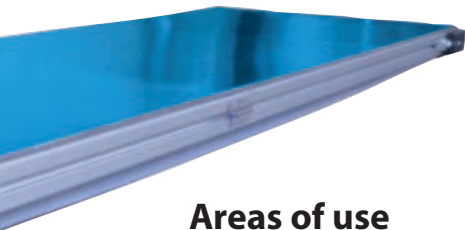
Our determined belt conveyors are ideal for your conveyor systems transport goods that can not be supported on roller conveyors or chain conveyors due to the support surface, but must be moved continuously. They optimize the internal material flow and increase productivity within your company.

Our standard belt is made of PVC in the color petrol. Other tape ends, such example with studs, cleats or polyurethane are available on request.

The design and interpretation of the belt conveyor is based on your cargo and application. We will support you in the planning phase of your project. Benefit in assessing your operational factors of the diverse experience of our competent team.

### Versions

- 🔗 belt conveyors
- 🔗 steep belt conveyors
- 🔗 filling hoppers
- 🔗 buckling belt conveyors
- 🔗 trough conveyors
- 🔗 conveyor belt curves
- 🔗 and much more



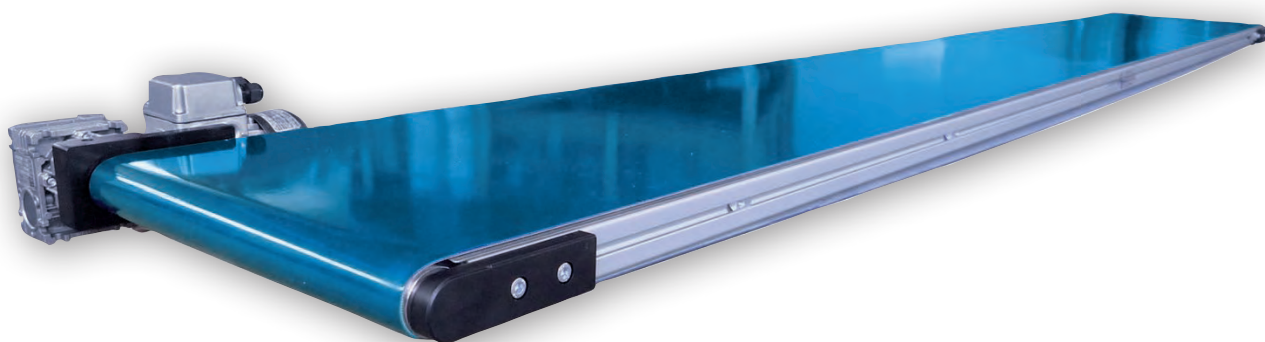
### Areas of use

- 🔗 conveyor systems
- 🔗 assembly areas
- 🔗 transportation of goods
- 🔗 and much more

## Belt conveyor

### Conveyor belt TO-FB 040 – standard version

- belt frame of aluminum profile 40 x 40 (ITEM compatible)
- height: 43 mm
- PVC conveyor belt in petrol color
- worm gear motor 230/400 v, 50 hz, 3 phase, 90 watt
- drive mounted on the side at the start/end of belt, right or left (please specify)
- constant belt speed: 2.4/3.8/6.4/9.5/12.6/18.9/25.3/37.8 m/min
- belt load: depending on the dimensions
- standard distance between axles: 1,000, 1,500, 2,000, 2,500, 3,000, 4,000 mm
- belt widths: 35, 75, 100 mm // further in 50 mm steps



### Available as an option

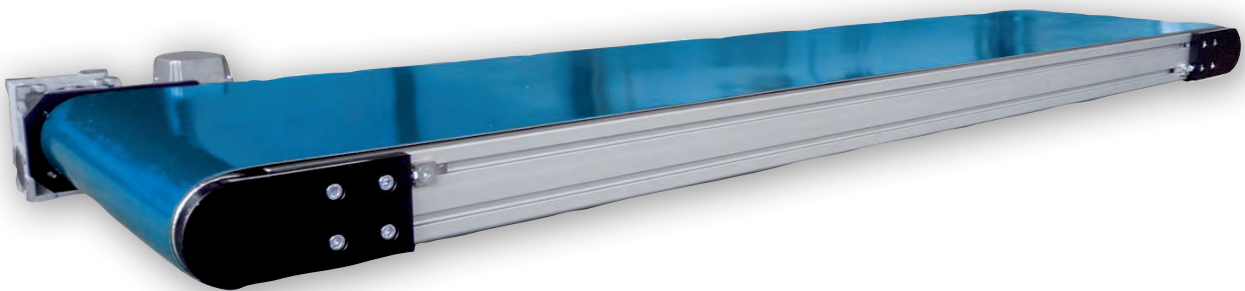
- support frames (aluminum profile 40 x 40 mm)
- frequency control
- PU belt
- belt with knobs or cleats
- directional control
- and much more

We provide you with the optimal belt conveyor for your application requirements.



### Conveyor belt TO-FB 080 – standard version

- belt frame of aluminum profile 80 x 40 mm (ITEM compatible)
- height: 83 mm
- PVC conveyor belt in petrol color
- worm gear motor 230/400 v, 50 hz,
- 3 phase, 120 watt
- drive mounted on the side at the start/end of belt, right or left (please specify)
- constant belt speed: 2.4/4.6/6.0/12.3/18.3/24.3/36.5 m/min
- belt load: depending on the dimensions
- belt widths: 35, 75, 100 mm // further in 50 mm steps













### Available as an option

- support frames (aluminum profile 40 x 40 mm)
- frequency control
- PU belt
- belt with knobs or cleats
- directional control
- and much more

We provide you with the optimal belt conveyor for your application requirements.

# ROLLER TRACKS

					
SERIES	single rollers	roller rails	universal roller tracks	colli roller tracks	pallet roller tracks
LOAD CAPACITY	2 kg - 200 kg per roller	6 kg - 40 kg per roller	2 kg - 80 kg per roller	40 kg - 150 kg per roller	160 kg per roller
DIAMETER	13 mm - 120 mm	13 mm - 32 mm	48 mm - 54 mm	50 mm - 54 mm	50 mm - 54 mm
MATERIALS	plastic, steel, polyurethane and more	steel, plastic, rubber	polyurethane, plastic, rubber, steel brush	steel, polyamide, plastic	steel, PVC
BEARINGS	plain bearing, ball bearings	plain bearing, ball bearings	plain bearing, ball bearings	plain bearing, ball bearings	ball bearings, plain bearing
STARTING FROM PAGE	610	618	630	636	640

				
<b>extended pallet roller tracks</b>	<b>heavy-duty roller tracks</b>	<b>multi-transfer tracks</b>	<b>multi-directional roller tracks</b>	<b>ball transfer tracks</b>
160 kg per roller	700 kg - 1,000 kg per roller	200 kg - 350 kg per roller	5 kg - 60 kg per roller	60 kg - 160 kg per ball transfer
60 mm - 64 mm	47 mm - 82 mm	38 mm - 42 mm	40 mm - 120 mm	15 mm - 22 mm
steel, PVC	steel, polyamide, polyurethane	steel	plastic, polyurethane	steel, nylon
ball bearings, plain bearings	ball bearings, plain bearings	ball bearings, plain bearings	plain bearing	ball ring
<b>646</b>	<b>648</b>	<b>650</b>	<b>654</b>	<b>660</b>



**"Suitable castors can be found from page 662"**



**+49 800 9341700**

Give us a call for more advice on planning your personal facility.

# TORWEGGE



## Versatile conveyor rollers

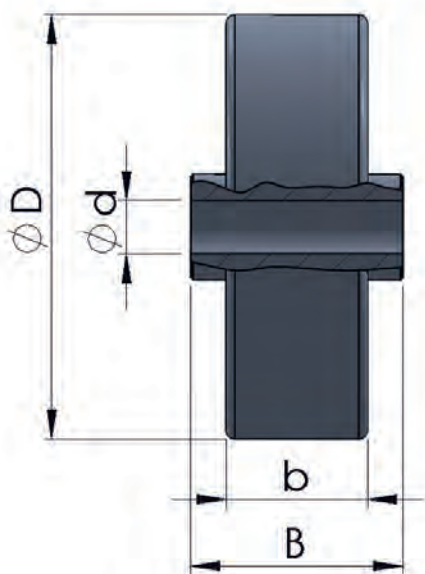
Our versatile conveyor rollers can be used for a wide variety of transportation solutions. Conveyor rollers are mainly used in wheel conveyors, roller tracks and live storage shelving. Our standard product line includes conveyor rollers with diameters ranging from 28 to 120 mm. They are manufactured from various materials and have a load capacity of up to 200 kg per conveyor roller.

### Versions

- 🔗 galvanized or bright steel
- 🔗 plastic
- 🔗 PU coating
- 🔗 rubber coated or PVC tubing

### Areas of use

- 🔗 conveyor systems
- 🔗 machine construction
- 🔗 assembly areas
- 🔗 material supply and discharge
- 🔗 and much more



### Conveyor rollers

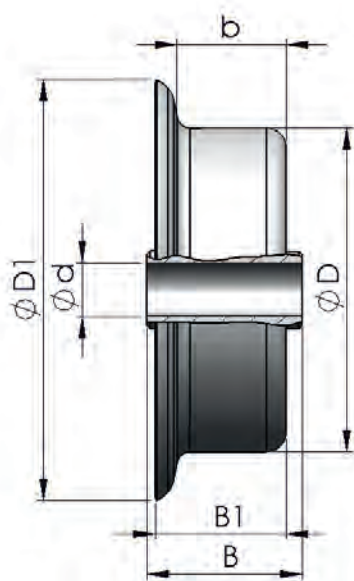
Conveyor rollers are mainly used in roller conveyors, roller tracks and live storage shelving. Conveyor rollers variants are made from steel or plastic, from normal or flanged rollers, and with ball bearings or plain bearing.

We also have rollers with polyurethane tread, rubber coating or PVC tubing in our product line for applications where sensitive goods are being conveyed.

conveyor rollers	D mm	d mm	b mm	B mm	roller material	color	bearing	load-carrying capacity kg
2200-28-6 Ident No.: 0011525	28	6	12	24	steel galvanized	galvanized	ball bearing	10
2200-48-6 Ident No.: 0011527	48	6	16	24	steel galvanized	galvanized	ball bearing	20
2200-48-8 Ident No.: 0011528	48	8	16	24	steel galvanized	galvanized	ball bearing	20
2200-48-6-POM Ident No.: 0027508	48	6	16	24	steel galvanized	galvanized	POM balls	15
2200-48-8-POM Ident No.: 0027509	48	8	16	24	steel galvanized	galvanized	POM balls	15
2200-50-8 Ident No.: 0011529	50	8	63	68	steel galvanized	galvanized	ball bearing	40
2300-48-6 Ident No.: 0011531	48	6	16	24	plastic	blue	ball bearing	10
2300-48-8 Ident No.: 0011532	48	8	16	24	plastic	blue	ball bearing	10
2300-48-6-NIRO Ident No.: 0011533	48	6	16	24	plastic	blue	stainless steel balls	10
2300-48-8-NIRO Ident No.: 0027541	48	8	16	24	plastic	blue	stainless steel balls	10
2300-54-8-GU Ident No.: 0011536	54	8	19	24	plastic with rubber coating	blue-grey	ball bearing	15
2400-48-8-YELLOW Ident No.: 0011543	48	8	17	23.5	plastic with PU- coating	yellow	plain bearing	40
2400-48-8k-YELLOW Ident No.: 0028452	48	8	17	23.5	plastic with PU- coating	yellow	ball bearing	40
PAA-050-18-21-G08 Ident No.: 0016659	50	8	18	22	polyamide	black	plain bearing	50
2300-50-8-BRUSHES Ident No.: 0011534	50	8	20	23	plastic with brushes	black-grey	plain bearing	2

conveyor rollers	D mm	d mm	b mm	B mm	roller material	color	bearing	load-carrying capacity kg
NR40 Ident No.: 0022369	54	8	48	51	plastic flanged rollers	blue	ball bearings	40
NR50 Ident No.: 0017225	54	8	48	52	polyamide	white	ball bearings	150
NR70 Ident No.: 0016651	54	8	48	50.5	plastic	black	plain bearing	60
NR80 Ident No.: 0026926	50	8	48	52	steel galvanized	galvanized	ball bearings	160
NR100-50-8 Ident No.: 0022349	50	8	68	74	steel galvanized	galvanized	ball bearings	160
NR110-50-8PVC2MM Ident No.: 0022792	54	8	68	74	steel roller with covering tube PVC	silver-grey	ball bearings	160
NR200-60-10 Ident No.: 0022360	60	10	118	124	steel galvanized	galvanized	ball bearings	160
NR210-60-10PVC2mm Ident No.: 0024322	64	10	118	124	steel roller with covering tube PVC	silver-grey	ball bearings	160
HEAVY-DUTY-ROLLER-38 Ident No.: 0038267	38	10	146	146	steel blank	silver	deep-groove ball bearing	200
HEAVY-DUTY-ROLLER-42 Ident No.: 0038304	42	10	100	100	steel blank	silver	deep-groove ball bearing	200
HEAVY-DUTY-ROLLER 42-STI Ident No.: 0038592	42	10	100	100	steel galvanized	galvanized	deep-groove ball bearing	200

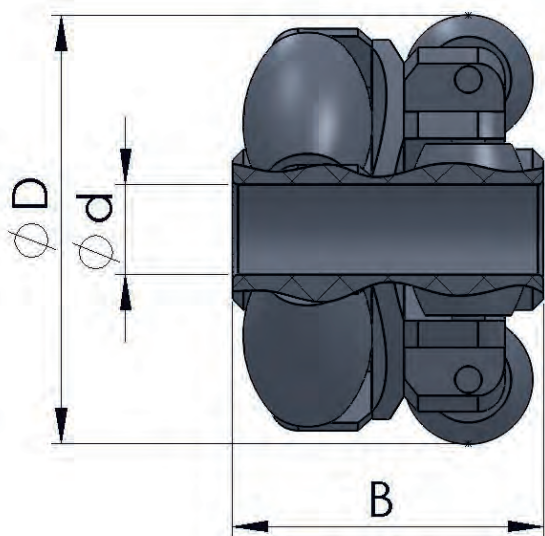
# conveyor rollers // up to 160 kg



conveyor rollers with flange	D mm	D1 mm	d mm	B mm	B1 mm	b mm	roller material	color	bearing	load-carrying capacity kg
2460-6 Ident No.: 0011550	50	76	6	33.50	31.50	25	steel galvanized	galvanized	ball bearings	10
2460-8 Ident No.: 0011551	50	76	8	33.50	31.50	25	steel galvanized	galvanized	ball bearings	15
2450-8 Ident No.: 0011549	50	65	8	24	20	16	steel galvanized	galvanized	ball bearings	15
2470-M8 Ident No.: 0011552	50	76	8	46	40	39	steel galvanized	galvanized	ball bearings	40
2350-6KU Ident No.: 0011539	48	66	6	24	18.50	16	plastic	blue	ball bearings	10
2350-8KU Ident No.: 0011541	48	66	8	24	18.50	16	plastic	blue	ball bearings	10
2350-6KU-NIRO Ident No.: 0011540	48	66	6	24	18.50	16	plastic	blue	stainless steel bearing	10
2350-8KU-NIRO Ident No.: 0011542	48	66	8	24	18.50	16	plastic	blue	stainless steel bearing	10
SR40 Ident No.: 0023991	54	70	8	51	47.50	43	2 steel rollers coated in plastic	blue	ball bearings	40
SR80 Ident No.: 0026927	50	72	8	53	49	45	steel galvanized	galvanized	ball bearings	160
SR100-50-8 Ident No.: 0023985	50	72	8	75	71.50	66	steel galvanized	galvanized	ball bearings	160



**conveyor rollers //** up to 160 kg



### Multi-directional rollers, type AWR

- barrel rollers made from polyamide, with stainless steel axles
- the roller wheels have ribs
- there are six offset barrel rollers between the ribs
- we also offer a soft (polyurethane) version of our AWR rollers when moving sensitive goods

We recommend installing the multi-directional rollers in the main conveying direction so that the rolling resistance is slightly greater in the secondary conveying direction.

Be sure to conduct extensive testing before implementation.

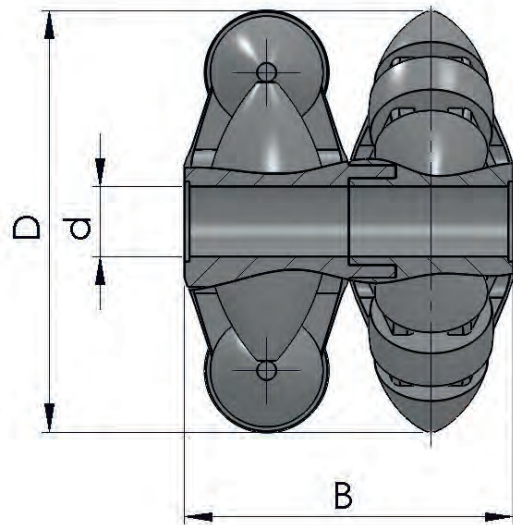
roller	D mm	d mm	B mm	roller material	color	bearing	load-carrying capacity kg
AWR40 Ident No.: 0015025	40	8.4	29	polyamide	red	plain bearing	10
AWR40PUR Ident No.: 0015027	40	8.4	29	polyurethane	green	plain bearing	10
AWR48 Ident No.: 0015028	48	8.4	39	polyamide	grey	plain bearing	15
AWR60 Ident No.: 0015030	60	8.4	48	polyamide	grey	plain bearing	20
AWR60PUR Ident No.: 0015032	60	8.4	48	polyurethane	green	plain bearing	20
AWR80 Ident No.: 0034751	80	8.4	64	polyamide	black	plain bearing	40
AWR80PUR Ident No.: 0034752	80	8.4	64	polyurethane	purple	plain bearing	40
AWR120 Ident No.: 0015023	120	12.4	90	polyamide	grey	plain bearing	60
AWR120PUR Ident No.: 0026925	120	12.4	90	polyurethane	green	plain bearing	60

### Multi-directional rollers, type ASR:

- polyamide rollers
- single roller equipped with 4 barrel rollers
- double roller equipped with 8 barrel rollers in offset arrangement
- we also offer a soft (polyurethane) version of our ASR 60 rollers when moving sensitive goods

We recommend installing the multi-directional rollers in the main conveying direction so that the rolling resistance is slightly greater in the secondary conveying direction.

Be sure to conduct extensive testing before implementation.



roller	D mm	d mm	B mm	roller material	color	bearing	load-carrying capacity kg
ASR10 Ident No.: 0014873	50	8.2	19	plastic	white-black	plain bearing	5
ASR50 Ident No.: 0014957	50	8.2	40	plastic	white-black	plain bearing	10
ASR60 Ident No.: 0014958	60	8.2	53	plastic	white-black	plain bearing	20
ASR60-SOFT Ident No.: 0014959	60	8.2	53	polyurethane	white-black	plain bearing	20
ASR80 Ident No.: 0014960	80	8.2	60	plastic	white-black	plain bearing	40



# Versatile roller rails

The slim design and small size of our versatile roller rails make them the perfect solution for conveying lightweight goods such as cardboard boxes, light picking containing or storage containers.

## Versions

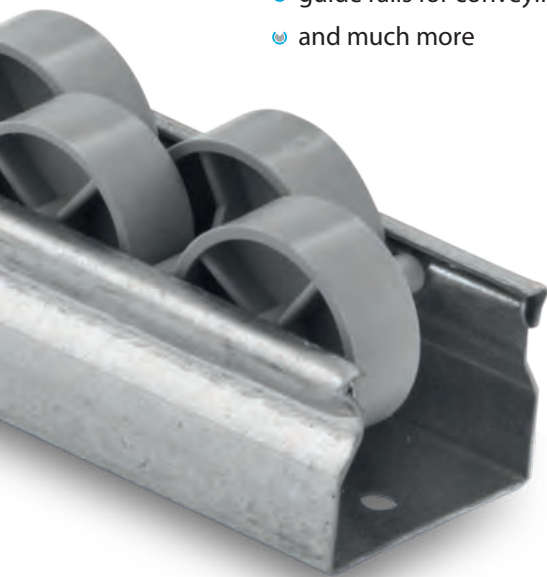
- 🔗 plastic plain rollers
- 🔗 plastic flanged rollers
- 🔗 steel rollers

## Model variants

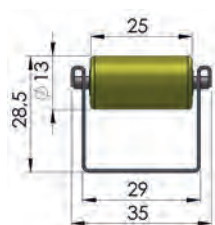
- 🔗 axle and sectional profile in stainless steel
- 🔗 stainless steel axle
- 🔗 highly conductive plastic rollers
- 🔗 heat-resistant steel rollers
- 🔗 plastic rollers with rubber press-on binding
- 🔗 plastic rollers with stainless steel press-on binding

## Areas of use

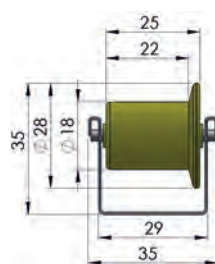
- 🔗 packaging and picking tables
- 🔗 wheel conveyors and carpets for interlinking two work stations
- 🔗 assembly aids  
(e.g. for use in the wood and window manufacturing industries)
- 🔗 guide rails for conveying systems
- 🔗 and much more



## roller rails // up to 6 kg per roller



series RU-N-mini	pitch mm	roller material	bearing	load capacity/ roller kg
RU-16N-MINI Ident No.: 0023595	16	polypropylene	plain bearing	6
RU-33N-MINI Ident No.: 0023601	33	polypropylene	plain bearing	6
RU-50N-MINI Ident No.: 0023621	50	polypropylene	plain bearing	6



series RU-SP-mini	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33SP-MINI Ident No.: 0023618	33	polypropylene	plain bearing	6
RU-50SP-MINI Ident No.: 0023628	50	polypropylene	plain bearing	6
RU-66SP-MINI Ident No.: 0023636	66	polypropylene	plain bearing	6

### Roller rails normal/mini

#### Rollers:

- made of high-quality thermoplastic (PP polypropylene), resistant to impact and fracturing
- available as standard (... N) or with flanged rollers (... SP)
- can be used from -30° C to +100° C

#### Profile:

- formed from galvanized sheet steel
- our roller rails are manufactured to match your required lengths and pitches, max. lengths 6,000 mm

#### Bearing:

- small rollers mounted on the steel axles ensure the high load capacity of 6 kg and provide for a very low friction coefficient

## Variants of the standard/mini roller rail:

- axle and profile in stainless steel (...-VA)
- only the axle in stainless steel (...-AE)
- small rollers in black and highly conductive (...-NDU and ...-NHL)

The specified roller pitches (00, 16, 33, 50, 66, 83) are only approximated. The exact hole pitch is 16.667 mm +/- 0.1 mm.

A defined initial roller gap is available at extra cost if required; please specify when ordering.

When ordering, ask for the desired track type (type and pitch of rollers) along with your required length.

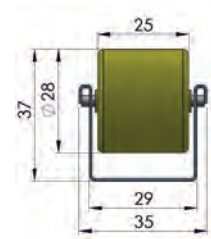
**Order example: RU-16N-Mini/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

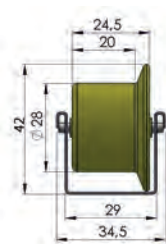


***"The RU-16N-Mini and RU-33N are available in 2m and 3m lengths directly from stock"***

series RU-N	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33N Ident No.: 0023600	33	polypropylene	plain bearing	6
RU-50N Ident No.: 0023620	50	polypropylene	plain bearing	6
RU-66N Ident No.: 0023632	66	polypropylene	plain bearing	6
RU-83N Ident No.: 0023639	83	polypropylene	plain bearing	6
RU-100N Ident No.: 0023588	100	polypropylene	plain bearing	6

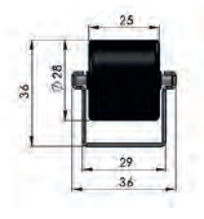
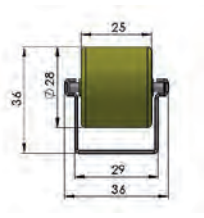
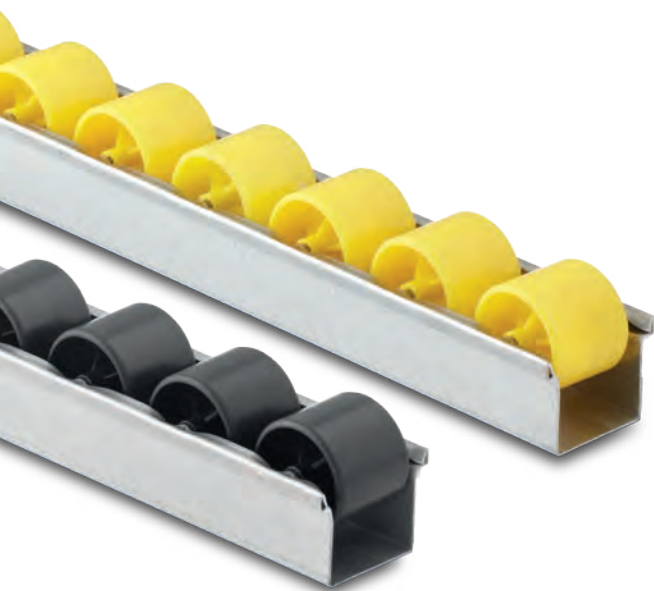


series RU-SP	pitch mm	roller material	bearing	load capacity/ roller kg
RU-50SP Ident No.: 0023627	50	polypropylene	plain bearing	6
RU-66SP Ident No.: 0023635	66	polypropylene	plain bearing	6
RU-83SP Ident No.: 0023643	83	polypropylene	plain bearing	6
RU-100SP Ident No.: 0023592	100	polypropylene	plain bearing	6





roller rails // up to 6 kg per roller



Autofix roller rail

The Autofix roller rails are compatible with the standards roller rails. Our fully automated manufacturing process enables us to respond to your requirements – so that we can cost-effectively produce just the right amount for your application.

The Autofix roller rails are available only with standard rollers, in pitches 33 mm and 50 mm.

The minimum order quantity is 250 pieces per length (min. length is 700 mm, max. length is 5,000 mm).

series RU-AN	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33AN Ident No.: 0028184	33	polypropylene	plain bearing	6
RU-50AN Ident No.: 0040436	50	polypropylene	plain bearing	6

series RU-ANDU	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33ANDU Ident No.: 0040435	33	polypropylene	plain bearing	6
RU-50ANDU Ident No.: 0040437	50	polypropylene	plain bearing	6



## Roller rails Superfix

### Rollers:

- made of high-quality thermoplastic (PP polypropylene), resistant to impact and fracturing
- available as standard (... N) or with flanged rollers (... SP)
- can be used from -30° C to +100° C

### Bearing:

- the roller are mounted on steel axles which ensure a high load capacity of 12 kg

### Profile:

- made of galvanized steel profile with a thickness of 1.5 mm
- manufactured according to your required length and pitch; max. length is 6,000 mm

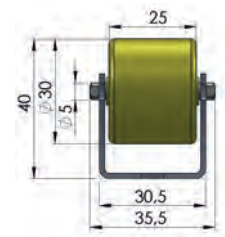
The specified roller partitioning (00, 16, 33, 50, 66, 83) are only approximate values. The exact hole pitch is 16.667 mm +/- 0.1 mm.

A defined initial roller gap is available at extra cost if required; please specify when ordering. When ordering, please indicate your desired rail/track type (roller type and pitch) along with your desired length.

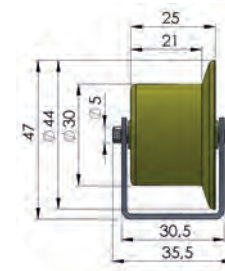
### Order example: SF-33N/2x1,500

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.

series SF-N	pitch mm	roller material	bearing	load capacity/ roller kg
SF-33N Ident No.: 0023847	33	polypropylene	plain bearing	12
SF-50N Ident No.: 0023848	50	polypropylene	plain bearing	12
SF-66N Ident No.: 0023850	66	polypropylene	plain bearing	12
SF-100N Ident No.: 0023845	100	polypropylene	plain bearing	12



series SF-SP	pitch mm	roller material	bearing	load capacity/ roller kg
SF-50SP Ident No.: 0023849	50	polypropylene	plain bearing	12
SF-66SP Ident No.: 0023851	66	polypropylene	plain bearing	12
SF-100SP Ident No.: 0023846	100	polypropylene	plain bearing	12



*"The SF-33N is available in 2m and 3m lengths directly from stock"*

**roller rails //** up to 15 kg per roller

**NEW  
SERIES**

## Roller rails XL

### Rollers:

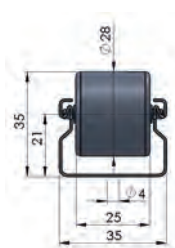
- made of polypropylene-PP)
- available in grey, yellow, black and blue
- can be used from -30° C to +100° C
- highly conductive rollers: -20° to +40° C

### Bearing:

- small rollers mounted on the steel axles ensure the high load capacity of 40 kg and provide for a very low friction coefficient

### Profile:

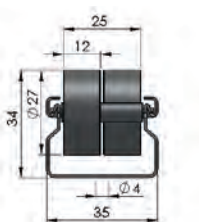
- galvanized steel sheet: 0.8 mm thick
  - the roller rails are manufactured individually to match your required length and pitch.
- They are available in lengths up to 4,500 mm.



series RU-N-XL	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33NGR-XL Ident No.: 0038016	33	polypropylene	plain bearing	15
RU-50NGR-XL Ident No.: 0040492	50	polypropylene	plain bearing	15
RU-66NGR-XL Ident No.: 0040493	66	polypropylene	plain bearing	15



series RU-SP-XL	pitch mm	roller material	bearing	load capacity/ roller kg
RU-50SPGR-XL Ident No.: 0038601	50	polypropylene	plain bearing	15
RU-66SPGR-XL Ident No.: 0040494	66	polypropylene	plain bearing	15
RU-83SPGR-XL Ident No.: 0040495	83	polypropylene	plain bearing	15



series RU-N-XL	pitch mm	roller material	bearing	load capacity/ roller kg
RU-16,5NGR-XL Ident No.: 0038017	16.5	polypropylene	plain bearing	15



**"Optimal roller transport for KLT-type containers and for small boxes: with maximum roller contact"**

## Variants of the XL roller rail:

- axis and profile in stainless steel (...-AV)
- small rollers in black and highly conductive (...-NDU and ...-NHL)

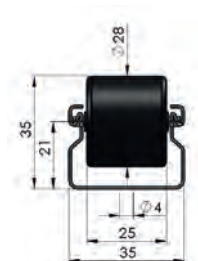
When ordering, please indicate your desired rail/track type (roller type and pitch) along with your desired length.

**Order example: RU-50-VA-XL/2x1,500**

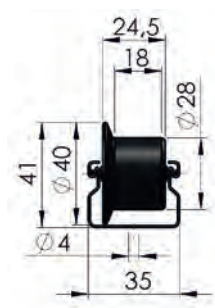
The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The axle gap (or pitch) indicates the distance from the middle of one roller to the middle of the next roller, in the direction of conveying.



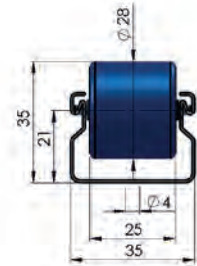
series RU-HL-XL	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33HL-XL Ident No.: 0037962	33	polypropylene	plain bearing	15
RU-50HL-XL Ident No.: 0037997	50	polypropylene	plain bearing	15
RU-66HL-XL Ident No.: 0038003	66	polypropylene	plain bearing	15



series RU-SPHL-XL	pitch mm	roller material	bearing	load capacity/ roller kg
RU-50SPHL-XL Ident No.: 0038602	50	polypropylene	plain bearing	15
RU-66SPHL-XL Ident No.: 0040640	66	polypropylene	plain bearing	15
RU-83SPHL-XL Ident No.: 0040641	83	polypropylene	plain bearing	15



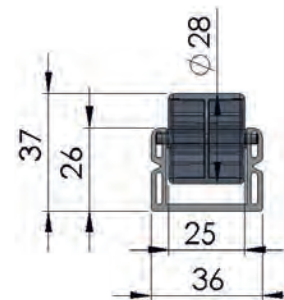
## Roller rails for freezer applications down to -30° C



### Advantages:

- polyethylene rollers can be used for cold applications because they do not break when struck
- increased resistance to twisting and bending
- vertical load capacity of up to 40 kg for each roller under a horizontal load

## Roller rail, germ-free



### Advantages:

- roller made from non-colored polypropylene
- U-profile made of extruded, white plastic with no added coloring
- stainless steel axle
- for use in sterile rooms with rolling transport of conveyed goods to a sterile environment
- vertical load capacity of up to 15 kg for each roller under a horizontal-positioned load

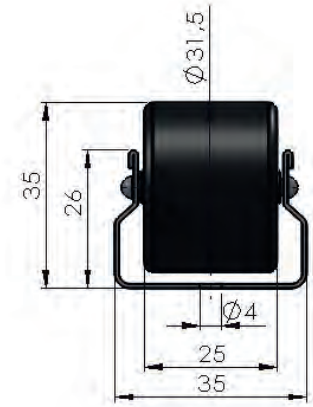


**"Germ-free components:  
suitable for direct contact with food"**

## High-load roller rails



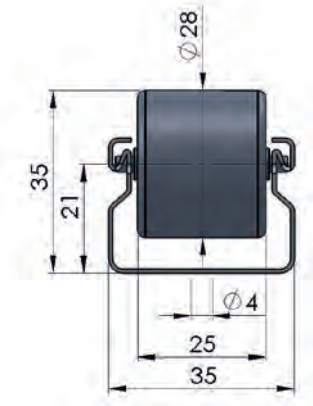
Reinforced sheet and rollers enable more than 100 kg of vertical load capacity per roller under a horizontal-positioned load.



## Roller rail with stainless steel press-on binding



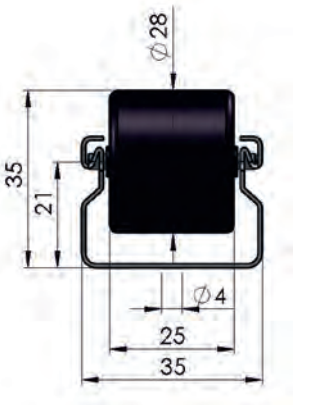
The rust-free press-on binding on the roller prevents the conveyed goods from being contaminated with rust. It also increases the wear resistance of the plastic rollers, thus increasing the overall service life.



## Roller rail with rubber press-on binding

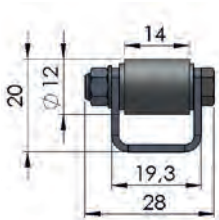
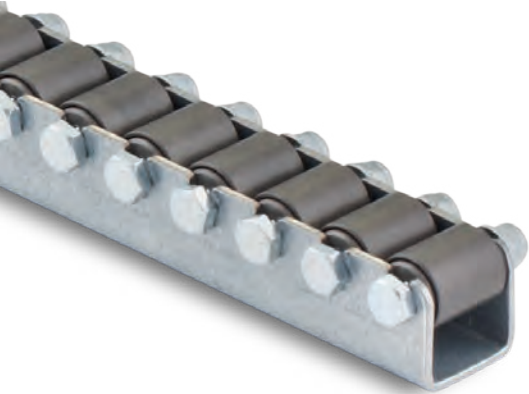


The rubber press-on binding reduces the noise created by gravity-driven roller conveyors (e.g. when carrying metal boxes with noisy contents). Please note that a slight slowing of the gravity-driven conveyed goods may occur.



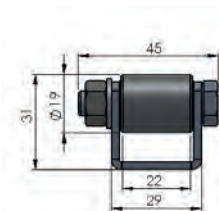


roller rails // up to 40 kg per roller



series RU-ST
RU-13ST Ident No.: 0036924

pitch mm	roller material	bearing	load capacity/ roller kg
13	steel	ball bearings	30



series RU-ST
RU-20ST Ident No.: 0033318

pitch mm	roller material	bearing	load capacity/ roller kg
20	steel	ball bearings	40

Mini heavy-duty roller rails

Rollers:

- steel rollers, light-running
- can be used in temperature range from - 40° C to +100° C (or without oil lubrication up to 250° C)

Bearing:

- ball bearing rollers
- load capacity per roller (Ø 12 x 16 mm): 30 kg (RU-13ST)
- load capacity per roller (Ø 19 x 24 mm): 40 kg (RU-20ST)



**Profile:**

- galvanized plate
- RU-13ST: 18 x 19.3 x 18 x 1.5 mm max. 2,000 mm
- RU-20ST: 28.5 x 29.3 x 28.5 x 2.5 mm max. 2,980 mm
- mounting holes: Ø 6.2 mm, pitch: 100 mm

Axle center of the first roller is offset 6 mm from profile edge (RU-13ST). Axle center of the first roller is offset 10 mm from profile edge (RU-20ST).

Our roller rails are manufactured individually in the length and pitch of your choice.

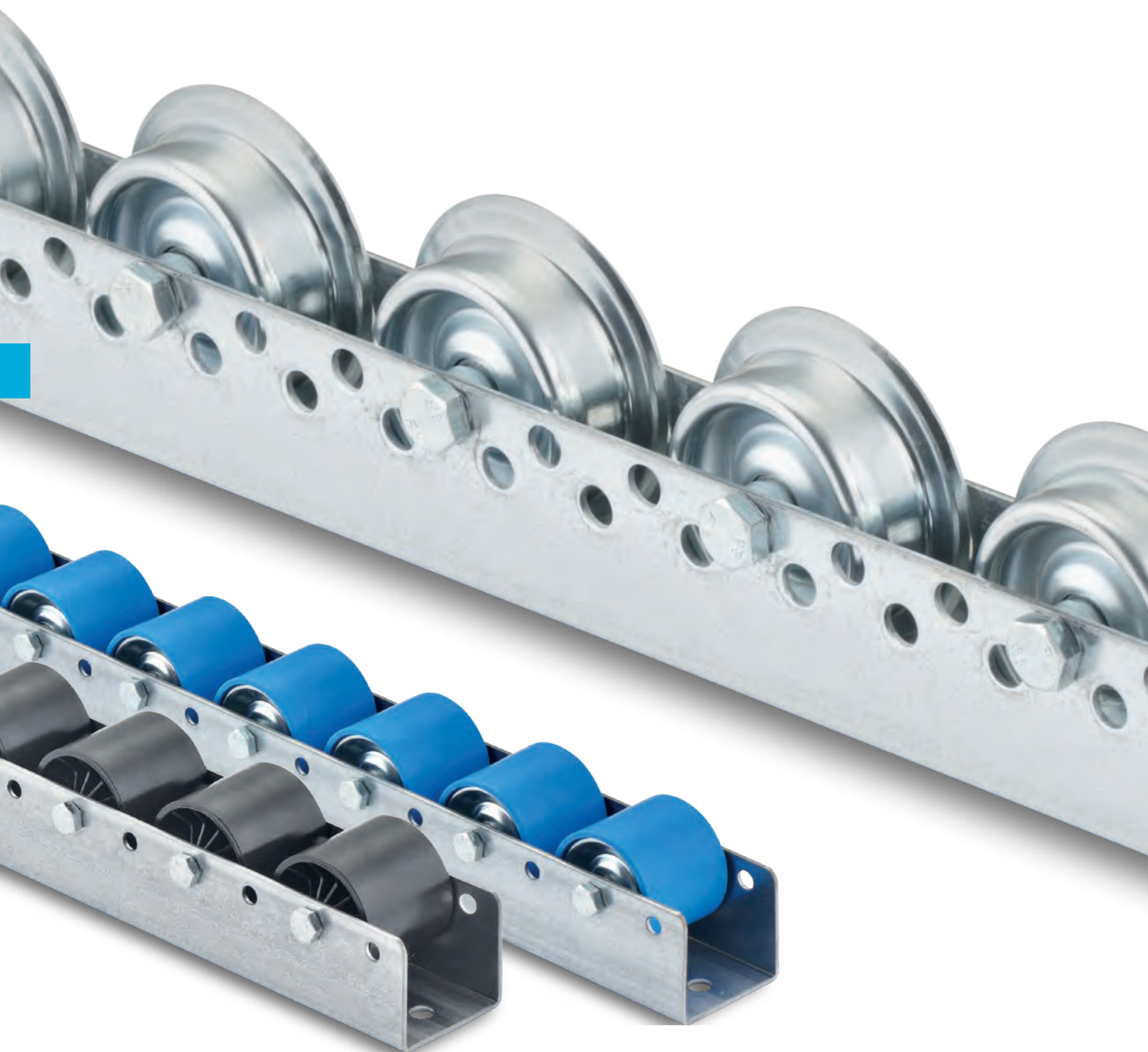
When ordering, please specify the desired track type (type of roller and pitch) and your desired length.

**Order example: RU-13ST/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.



***“The extremely low profile height and very narrow roller pitch provide excellent transport of heavy goods”***





## Variable **all-purpose and colli roller tracks**

Our wide variety of variable all-purpose and colli roller tracks can be used in many ways on different rollers. They are a perfect solution to conveying light and medium-weight goods.

### Versions

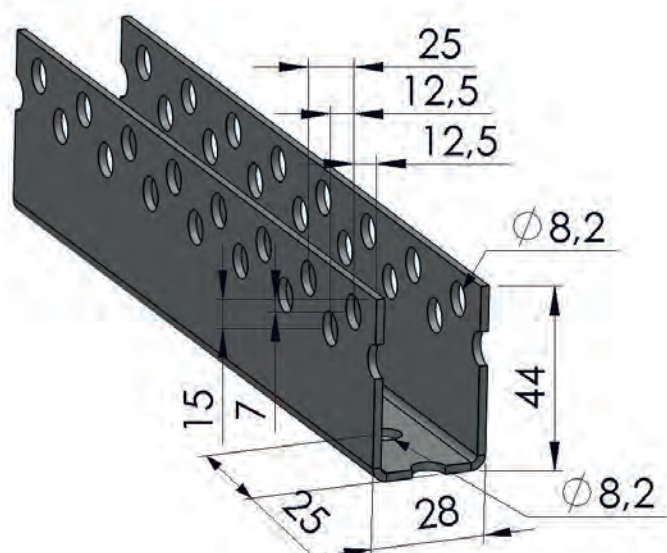
- 🔗 rollers with or without flange
- 🔗 rollers with plain or ball bearings
- 🔗 rollers made from various materials
- 🔗 brush rollers

### Areas of use

- 🔗 live storage shelving
- 🔗 glass and wood-working industries
- 🔗 mounting rails for conveying systems
- 🔗 automotive industry
- 🔗 guide rails
- 🔗 packaging machines
- 🔗 and much more



## all-purpose roller tracks // up to 10 kg per roller



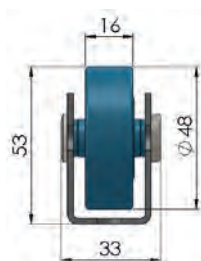
### All-purpose roller tracks

#### Rollers:

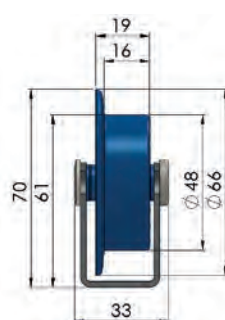
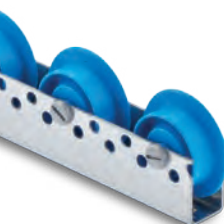
- steel, plastic and polyurethane rollers:  
with standard or flanged roller, Ø 48 to Ø 54 mm  
(flanged up to Ø 66 mm)
- with ball or plain bearing
- load capacity: 2 – 80 kg/roller

#### Profile:

- made of galvanized steel sheet, S = 2 mm
- the profile section has a bearing length of 6,000 mm
- our all-purpose roller tracks are manufactured to match your required lengths and pitches



series US-NR10	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR10-050 Ident No.: 0026377	53	61	50	plastic	ball bearings	10
US-NR10-075 Ident No.: 0026379	53	61	75	plastic	ball bearings	10
US-NR10-100 Ident No.: 0026366	53	61	100	plastic	ball bearings	10
US-NR10-125 Ident No.: 0026368	53	61	125	plastic	ball bearings	10
US-NR10-150 Ident No.: 0026370	53	61	150	plastic	ball bearings	10
US-NR10-175 Ident No.: 0026372	53	61	175	plastic	ball bearings	10
US-NR10-200 Ident No.: 0026374	53	61	200	plastic	ball bearings	10



series US-SR10	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-SR10-075 Ident No.: 0026433	70	75	plastic	ball bearing	10
US-SR10-100 Ident No.: 0026423	70	100	plastic	ball bearings	10
US-SR10-125 Ident No.: 0026425	70	125	plastic	ball bearings	10
US-SR10-150 Ident No.: 0026427	70	150	plastic	ball bearings	10
US-SR10-175 Ident No.: 0026429	70	175	plastic	ball bearings	10
US-SR10-200 Ident No.: 0026431	70	200	plastic	ball bearings	10

## all-purpose roller tracks // up to 40 kg per roller

### Installation:

- standard rollers, unless otherwise specified, are mounted in the lower row of holes. Flanged rollers and rollers with thermoplastic rubber press-on bindings are always mounted in the top row of holes
- middle of first roller is set 25 mm from the profile edge the track end runs all the way out
- a defined initial roller gap is available at extra cost if required; please specify when ordering

When ordering, please specify the desired track type (type of roller and pitch), the desired length and the screw connection:

**Order example: US-NR05-050/VS26/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

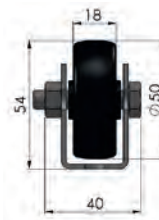
### Screwed connection:

- with special screws with plastic caps (VS26) or with steel screw (M8)

series US-NR15	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR15-075 Ident No.: 0026387	64	75	thermoplastic rubber coating	ball bearings	10
US-NR15-100 Ident No.: 0026381	64	100	thermoplastic rubber coating	ball bearings	10
US-NR15-125 Ident No.: 0026382	64	125	thermoplastic rubber coating	ball bearings	10
US-NR15-150 Ident No.: 0026383	64	150	thermoplastic rubber coating	ball bearings	10
US-NR15-175 Ident No.: 0026384	64	175	thermoplastic rubber coating	ball bearings	10
US-NR15-200 Ident No.: 0026385	64	200	thermoplastic rubber coating	ball bearings	10

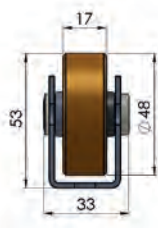


series US-NR07	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR07-050 Ident No.: 0019004	54	62	50	polyamide	plain bearing	40
US-NR07-075 Ident No.: 0019003	54	62	75	polyamide	plain bearing	40
US-NR07-100 Ident No.: 0026935	54	62	100	polyamide	plain bearing	40
US-NR07-125 Ident No.: 0026936	54	62	125	polyamide	plain bearing	40
US-NR07-150 Ident No.: 0026937	54	62	150	polyamide	plain bearing	40
US-NR07-175 Ident No.: 0026938	54	62	175	polyamide	plain bearing	40
US-NR07-200 Ident No.: 0026939	54	62	200	polyamide	plain bearing	40

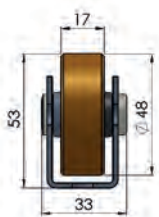


**Suitable castors can be found on page 226**

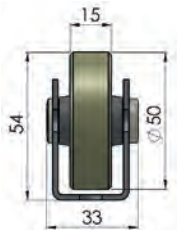
## all-purpose roller tracks // up to 80 kg per roller



series US-NR05	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR05-050 Ident No.: 0026351	53	61	50	plastic rollers with poly-urethane coating	plain bearing	40
US-NR05-075 Ident No.: 0026353	53	61	75	plastic rollers with poly-urethane coating	plain bearing	40
US-NR05-100 Ident No.: 0026346	53	61	100	plastic rollers with poly-urethane coating	plain bearing	40
US-NR05-125 Ident No.: 0026347	53	61	125	plastic rollers with poly-urethane coating	plain bearing	40
US-NR05-150 Ident No.: 0026348	53	61	150	plastic rollers with poly-urethane coating	plain bearing	40
US-NR05-175 Ident No.: 0026349	53	61	175	plastic rollers with poly-urethane coating	plain bearing	40
US-NR05-200 Ident No.: 0026350	53	61	200	plastic rollers with poly-urethane coating	plain bearing	40



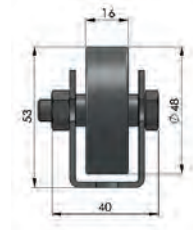
series US-NR08	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR08-050 Ident No.: 0029168	53	61	50	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-075 Ident No.: 0029169	53	61	75	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-100 Ident No.: 0029170	53	61	100	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-125 Ident No.: 0029171	53	61	125	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-150 Ident No.: 0029172	53	61	150	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-175 Ident No.: 0029173	53	61	175	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-200 Ident No.: 0029174	53	61	200	plastic rollers with poly-urethane coating	ball bearings	40



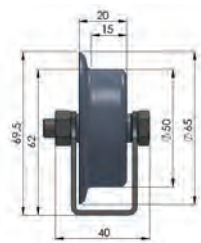
series US-NR04	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR04-075 Ident No.: 0030267	54	62	75	polyurethane	ball bearings	80
US-NR04-100 Ident No.: 0027875	54	62	100	polyurethane	ball bearings	80
US-NR04-125 Ident No.: 0040439	54	62	125	polyurethane	ball bearings	80
US-NR04-150 Ident No.: 0040440	54	62	150	polyurethane	ball bearings	80

## all-purpose roller tracks // up to 20 kg per roller

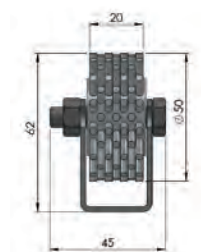
series US-NR20	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR20-050 Ident No.: 0026400	53	61	50	steel	ball bearings	20
US-NR20-075 Ident No.: 0026402	53	61	75	steel	ball bearings	20
US-NR20-100 Ident No.: 0026389	53	61	100	steel	ball bearings	20
US-NR20-125 Ident No.: 0026392	53	61	125	steel	ball bearings	20
US-NR20-150 Ident No.: 0026394	53	61	150	steel	ball bearings	20
US-NR20-175 Ident No.: 0026396	53	61	175	steel	ball bearings	20
US-NR20-200 Ident No.: 0026398	53	61	200	steel	ball bearings	20



series US-SR20	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-SR20-075 Ident No.: 0026457	69.5	75	steel	ball bearings	15
US-SR20-100 Ident No.: 0026435	69.5	100	steel	ball bearings	15
US-SR20-125 Ident No.: 0026437	69.5	125	steel	ball bearings	15
US-SR20-150 Ident No.: 0026439	69.5	150	steel	ball bearings	15
US-SR20-175 Ident No.: 0026441	69.5	175	steel	ball bearings	15
US-SR20-200 Ident No.: 0026443	69.5	200	steel	ball bearings	15

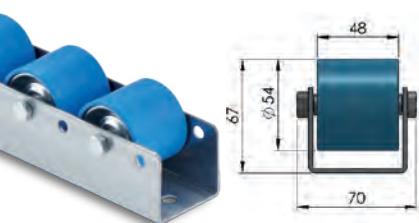
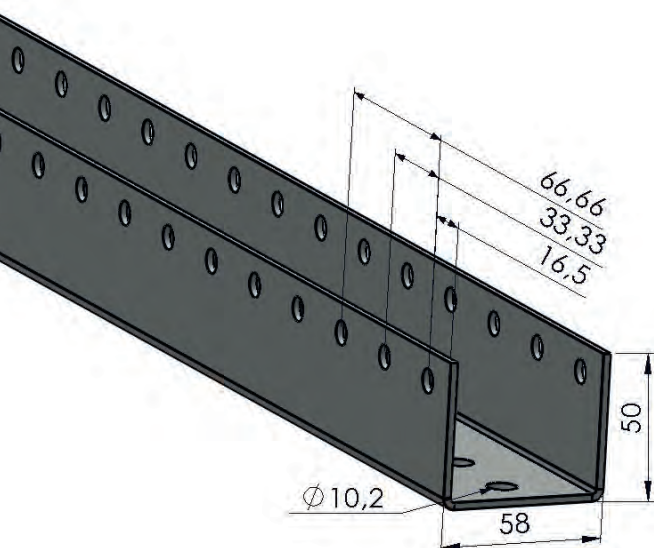


series US-NR30	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR30-075 Ident No.: 0026409	62	75	plastic	plain bearing	2
US-NR30-100 Ident No.: 0026403	62	100	plastic	plain bearing	2
US-NR30-125 Ident No.: 0026404	62	125	plastic	plain bearing	2
US-NR30-150 Ident No.: 0026405	62	150	plastic	plain bearing	2
US-NR30-175 Ident No.: 0026406	62	175	plastic	plain bearing	2
US-NR30-200 Ident No.: 0026407	62	200	plastic	plain bearing	2

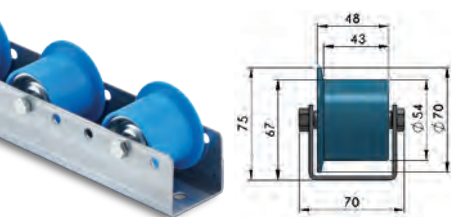


Suitable castors can be found on page 226

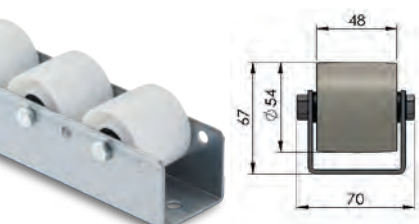




series US-NR40	pitch mm	roller material	bearing	load capacity / roller kg
US-NR40-066 Ident No.: 0026419	66	plastic flanged rollers	ball bearing	40
US-NR40-100 Ident No.: 0026410	100	plastic flanged rollers	ball bearing	40
US-NR40-133 Ident No.: 0026413	133	plastic flanged rollers	ball bearing	40
US-NR40-166 Ident No.: 0026415	166	plastic flanged rollers	ball bearing	40
US-NR40-200 Ident No.: 0026417	200	plastic flanged rollers	ball bearing	40



series US-SR40	pitch mm	roller material	bearing	load capacity / roller kg
US-SR40-100 Ident No.: 0026445	100	plastic flanged rollers	ball bearing	40
US-SR40-133 Ident No.: 0026446	133	plastic flanged rollers	ball bearing	40
US-SR40-166 Ident No.: 0026447	166	plastic flanged rollers	ball bearing	40
US-SR40-200 Ident No.: 0026448	200	plastic flanged rollers	ball bearing	40



series US-NR50	pitch mm	roller material	bearing	load capacity / roller kg
US-NR50-066 Ident No.: 0026420	66	polyamide	deep-groove ball bearing	150
US-NR50-100 Ident No.: 0026411	100	polyamide	deep-groove ball bearing	150
US-NR50-133 Ident No.: 0026414	133	polyamide	deep-groove ball bearing	150
US-NR50-166 Ident No.: 0026416	166	polyamide	deep-groove ball bearing	150
US-NR50-200 Ident No.: 0026418	200	polyamide	deep-groove ball bearing	150

**Installation:**

- middle of first roller is set 50 mm from the profile edge  
It runs to the end of the track (with hole pitch of 33.33 mm)
- a defined initial roller gap is available at extra cost if required; please specify when ordering

**Screwed connection:**

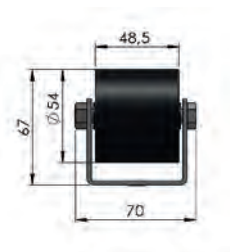
- with steel screw (M8)

When ordering, please specify the desired track type (type of roller and pitch), the desired length and the screw connection:

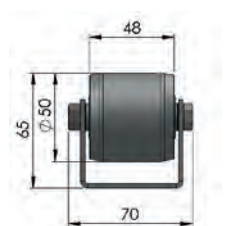
**Order example: US-NR80-066/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

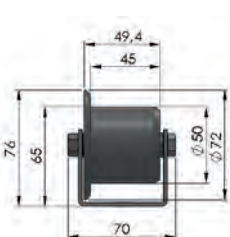
series US-NR70	pitch mm	roller material	bearing	load capacity / roller kg
US-NR70-066 Ident No.: 0027333	66	polyamide	plain bearing	60
US-NR70-100 Ident No.: 0027334	100	polyamide	plain bearing	60
US-NR70-133 Ident No.: 0027335	133	polyamide	plain bearing	60
US-NR70-166 Ident No.: 0027336	166	polyamide	plain bearing	60
US-NR70-200 Ident No.: 0027337	200	polyamide	plain bearing	60



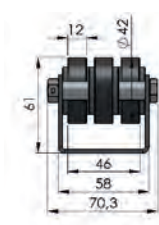
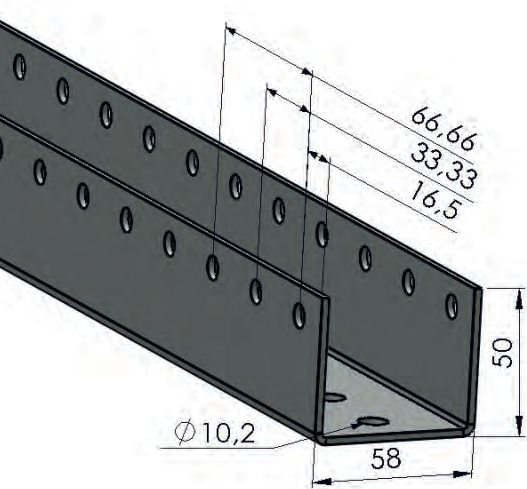
series US-NR80	pitch mm	roller material	bearing	load capacity / roller kg
US-NR80-066 Ident No.: 0027324	66	steel	ball bearing	120
US-NR80-100 Ident No.: 0027325	100	steel	ball bearing	120
US-NR80-133 Ident No.: 0027326	133	steel	ball bearing	120
US-NR80-166 Ident No.: 0027327	166	steel	ball bearing	120
US-NR80-200 Ident No.: 0027328	200	steel	ball bearing	120



series US-SR80	pitch mm	roller material	bearing	load capacity / roller kg
US-SR80-100 Ident No.: 0027329	100	steel	ball bearing	120
US-SR80-133 Ident No.: 0027330	133	steel	ball bearing	120
US-SR80-166 Ident No.: 0027331	166	steel	ball bearing	120
US-SR80-200 Ident No.: 0027332	200	steel	ball bearing	120

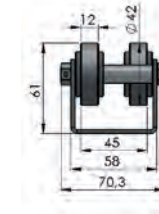


Suitable castors can be found on page 226



series US-NR-6004
US-NR-6004-2RS-33-TYPE1 Ident No.: 0034111

pitch mm	roller material	bearing	load capacity / roller kg
33.3	steel blank	deep-groove ball bearing	500



series US-NR-6004
US-NR-6004-2RS-33-TYPE2 Ident No.: 0039595

pitch mm	roller material	bearing	load capacity / roller kg
33.3	steel blank	deep-groove ball bearing	500

Colli roller tracks series US-NR-6004

Rollers:

- steel and plastic rollers: in standard version or flanged roller, Ø 50 mm and Ø 54 mm
- with ball or plain bearing
- load capacity: 40 – 150 kg/roller

Profile:

- made of galvanized steel sheet, S = 2.5 mm
- the profile section has a bearing length of 6,000 mm
- our colli roller tracks are manufactured to match your required lengths and pitches





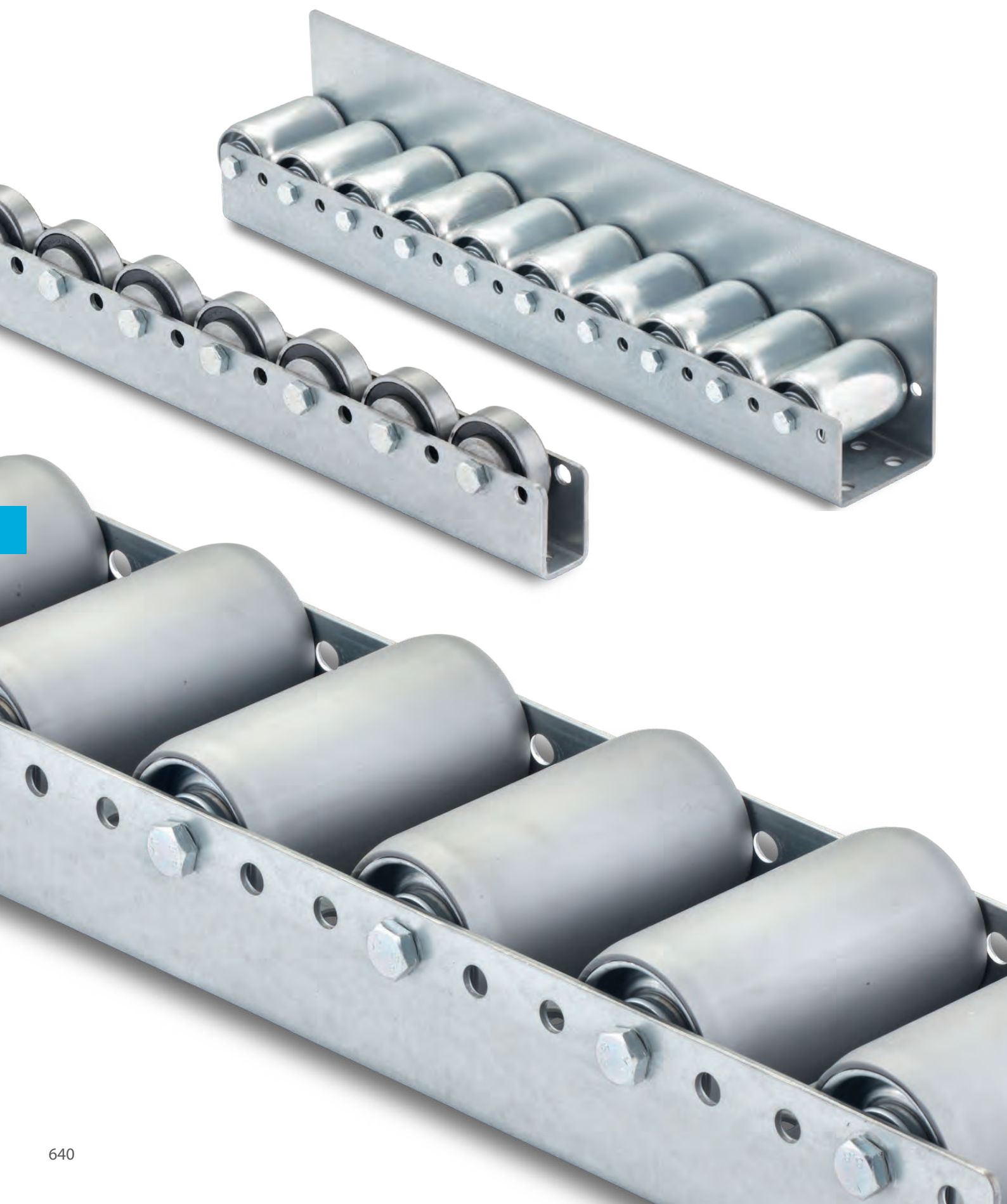
**colli roller tracks //** up to 500 kg per roller



***"Our new product, with 6004-2RS ball bearings, for your demanding applications"***



**Suitable castors can be found on page 226**



## Sturdy pallet and heavy-duty roller tracks

Because of their stable construction and strong rollers, our sturdy pallet/heavy-duty roller tracks are the ideal solution for conveying heavy goods (EURO pallets, industrial pallets, lattice crates, etc.).

### Versions

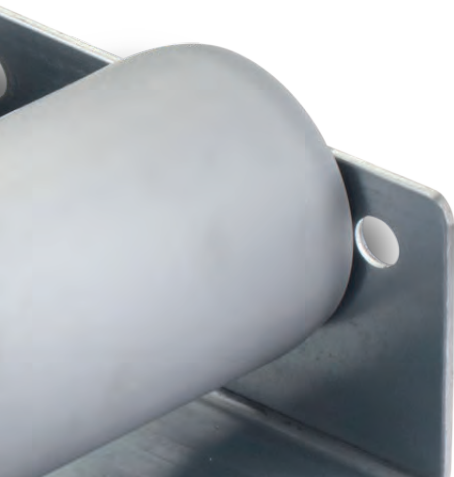
- 🔗 steel rollers: 50 and 60 mm diameters
- 🔗 deep-groove ball bearing 6204-2RS
- 🔗 polyamide and polyurethane rollers
- 🔗 steel rollers with PVC cover tubing
- 🔗 profile raised on one side

### Model variants

- 🔗 sturdy start-up rollers, made from ball bearings or with special coatings
- 🔗 base frame
- 🔗 end stops
- 🔗 and much more

### Areas of use

- 🔗 storage strategies (FIFO, LIFO)
- 🔗 live storage shelving
- 🔗 flowing storage
- 🔗 conveyor lines
- 🔗 connecting multiple work stations
- 🔗 and much more

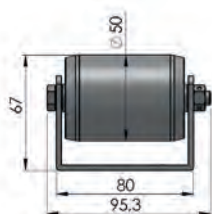
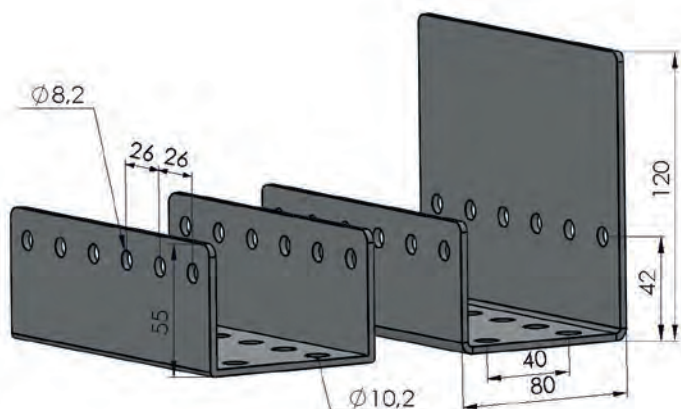




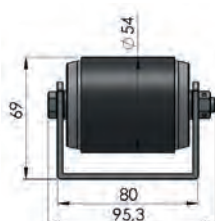
# pallet roller tracks // up to 160 kg per roller

Profile 2

Profile 3



series NR100-2	pitch mm	roller material	bearing	load capacity / roller kg
NR100-052-2 Ident No.: 0021544	52	steel	ball bearing	160
NR100-078-2 Ident No.: 0021562	78	steel	ball bearing	160
NR100-104-2 Ident No.: 0021582	104	steel	ball bearing	160
NR100-130-2 Ident No.: 0021603	130	steel	ball bearing	160
NR100-156-2 Ident No.: 0021605	156	steel	ball bearing	160
NR100-182-2 Ident No.: 0021607	182	steel	ball bearing	160
NR100-208-2 Ident No.: 0021609	208	steel	ball bearing	160



series NR110-2	pitch mm	roller material	bearing	load capacity / roller kg
NR110-078-2 Ident No.: 0027304	78	steel roller with PVC cover tube	ball bearing	160
NR110-104-2 Ident No.: 0027306	104	steel roller with PVC cover tube	ball bearing	160
NR110-130-2 Ident No.: 0027308	130	steel roller with PVC cover tube	ball bearing	160
NR110-156-2 Ident No.: 0027310	156	steel roller with PVC cover tube	ball bearing	160
NR110-182-2 Ident No.: 0027312	182	steel roller with PVC cover tube	ball bearing	160
NR110-208-2 Ident No.: 0027314	208	steel roller with PVC cover tube	ball bearing	160

## Pallet roller tracks

### Rollers:

- steel rollers: in standard version or flanged roller with Ø 50 mm
- standard rollers with 2 mm PVC cover tubing, Ø 54 mm
- ball bearing-mounted
- load capacity: 160 kg/roller
- also available with reinforced TRM carrier rollers on request

### Profile:

- made of galvanized steel sheet, S = 3 mm
- profile 2 has a bearing length of 6,000 mm; profile 3 has a max. length of 2,990 mm
- our pallet roller tracks are manufactured to match your required lengths and pitches

## pallet roller tracks // up to 160 kg per roller

### Installation:

- middle of first roller is set 39 mm from the profile edge, running to the end of the track
- a defined initial roller gap is available at extra cost if required; please specify when ordering

### Screwed connection:

- with steel screw (M8)

A roller pitch of 52 mm is required for transverse transporting of pallets. Depending on the weight of the pallet, two or three roller tracks with a roller pitch of 104–208 mm are used for conveying the pallets.

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

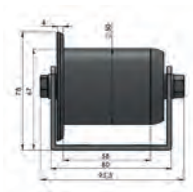
**Order example: NR100-052-2/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.



***“Many new accessories for our perennial favorite are available on page 227”***

series SR100-2	pitch mm	roller material	bearing	load capacity / roller kg
SR100-078-2 Ident No.: 0021611	78	steel	ball bearing	160
SR100-104-2 Ident No.: 0021613	104	steel	ball bearing	160
SR100-130-2 Ident No.: 0021615	130	steel	ball bearing	160
SR100-156-2 Ident No.: 0021617	156	steel	ball bearing	160
SR100-182-2 Ident No.: 0021619	182	steel	ball bearing	160
SR100-208-2 Ident No.: 0021621	208	steel	ball bearing	160

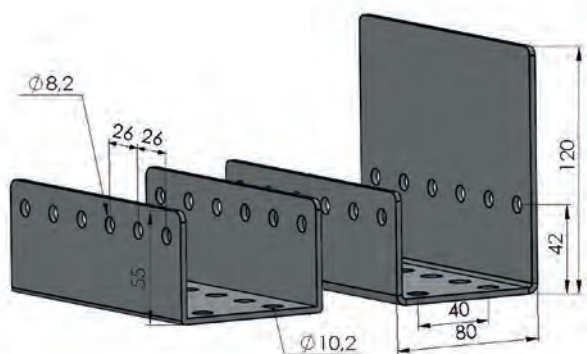


**Suitable castors can be found on page 227**

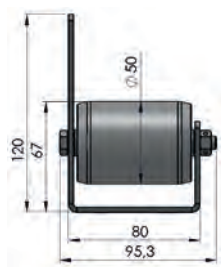
## pallet roller tracks // up to 160 kg per roller

Profile 2

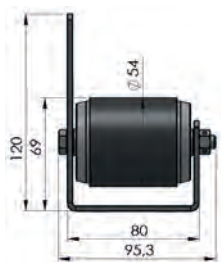
Profile 3



***“Profile raised on one side in order to guide the conveyed goods: this prevents sliding and tilting”***

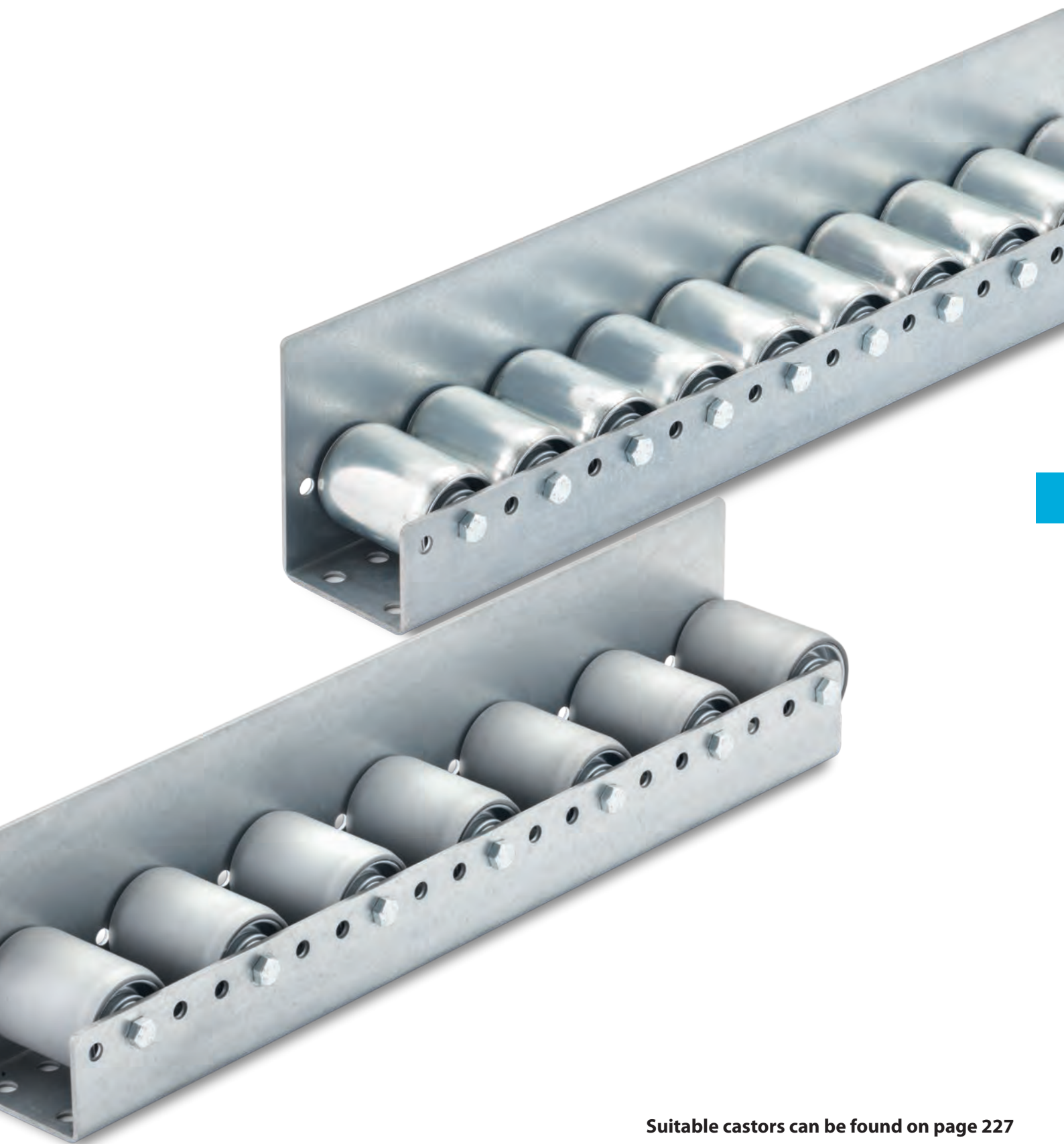


series NR100-3	pitch mm	roller material	bearing	load capacity / roller kg
NR100-052-3 Ident No.: 0027315	52	steel	ball bearing	160
NR100-078-3 Ident No.: 0027316	78	steel	ball bearing	160
NR100-104-3 Ident No.: 0027317	104	steel	ball bearing	160
NR100-130-3 Ident No.: 0027318	130	steel	ball bearing	160
NR100-156-3 Ident No.: 0027319	156	steel	ball bearing	160
NR100-182-3 Ident No.: 0027320	182	steel	ball bearing	160
NR100-208-3 Ident No.: 0027321	208	steel	ball bearing	160



series NR110-3	pitch mm	roller material	bearing	load capacity / roller kg
NR110-078-3 Ident No.: 0027289	78	steel roller with PVC cover tube	ball bearing	160
NR110-104-3 Ident No.: 0027290	104	steel roller with PVC cover tube	ball bearing	160
NR110-130-3 Ident No.: 0027291	130	steel roller with PVC cover tube	ball bearing	160
NR110-156-3 Ident No.: 0027292	156	steel roller with PVC cover tube	ball bearing	160
NR110-182-3 Ident No.: 0027293	182	steel roller with PVC cover tube	ball bearing	160
NR110-208-3 Ident No.: 0027294	208	steel roller with PVC cover tube	ball bearing	160

**pallet roller tracks //** up to 160 kg per roller



Suitable castors can be found on page 227

width, pallet roller tracks // up to 160 kg per roller

Width, pallet roller tracks

Roller:

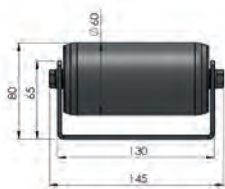
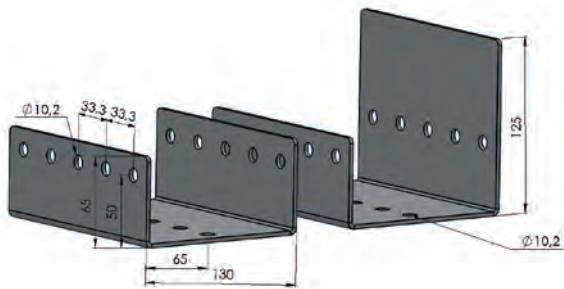
- steel rollers: in standard version or flanged roller with Ø 60 mm
- standard rollers with 2 mm PVC cover tubing, Ø 64 mm
- ball bearing-mounted
- load capacity: 160 kg/roller

Profile:

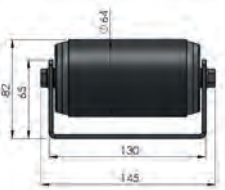
- made of galvanized steel sheet, S = 2.8 mm
- profile 1: max. 6,000 mm; profile 3: max. 2,966 mm
- our pallet roller tracks are manufactured to match your required lengths and pitches

Profile 1

Profile 3



series NR200-1	pitch mm	roller material	bearing	load capacity / roller kg
NR200-066-1 Ident No.: 0022361	66	steel	ball bearing	160
NR200-100-1 Ident No.: 0022356	100	steel	ball bearing	160
NR200-133-1 Ident No.: 0022357	133	steel	ball bearing	160
NR200-166-1 Ident No.: 0022358	166	steel	ball bearing	160
NR200-200-1 Ident No.: 0022359	200	steel	ball bearing	160



series NR210-1	pitch mm	roller material	bearing	load capacity / roller kg
NR210-066-1 Ident No.: 0040496	66	steel roller with PVC cover tube	ball bearing	160
NR210-100-1 Ident No.: 0027275	100	steel roller with PVC cover tube	ball bearing	160
NR210-133-1 Ident No.: 0027276	133	steel roller with PVC cover tube	ball bearing	160
NR210-166-1 Ident No.: 0027277	166	steel roller with PVC cover tube	ball bearing	160
NR210-200-1 Ident No.: 0027278	200	steel roller with PVC cover tube	ball bearing	160



## width, pallet roller tracks // up to 160 kg per roller

### Installation:

- middle of first roller is set 50 mm from the profile edge, running to the end of the track
- a defined initial roller gap is available at extra cost if required; please specify when ordering

### Screwed connection:

- with steel screws (M10)

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

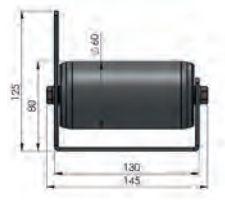
**Order example: NR200-100-1/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

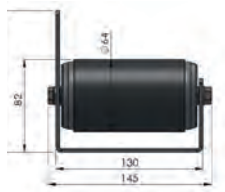


***“Profile raised on one side in order to guide the conveyed goods: this prevents sliding and tilting”***

series NR200-3	pitch mm	roller material	bearing	load capacity / roller kg
NR200-066-3 Ident No.: 0027284	66	steel	ball bearing	160
NR200-100-3 Ident No.: 0027285	100	steel	ball bearing	160
NR200-133-3 Ident No.: 0027286	133	steel	ball bearing	160
NR200-166-3 Ident No.: 0027287	166	steel	ball bearing	160
NR200-200-3 Ident No.: 0027288	200	steel	ball bearing	160

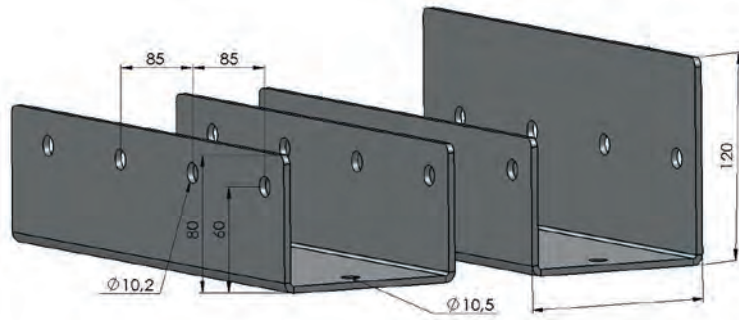


series NR210-3	pitch mm	roller material	bearing	load capacity / roller kg
NR210-066-3 Ident No.: 0027279	66	steel roller with PVC cover tube	ball bearing	160
NR210-100-3 Ident No.: 0027280	100	steel roller with PVC cover tube	ball bearing	160
NR210-133-3 Ident No.: 0027281	133	steel roller with PVC cover tube	ball bearing	160
NR210-166-3 Ident No.: 0027282	166	steel roller with PVC cover tube	ball bearing	160
NR210-200-3 Ident No.: 0027283	200	steel roller with PVC cover tube	ball bearing	160



Suitable castors can be found on page 228

## heavy-duty roller track // up to 1,000 kg per roller



### Heavy-duty roller track series 998 and 999

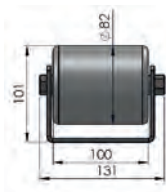
#### Rollers:

- polyamide or polyurethane rollers

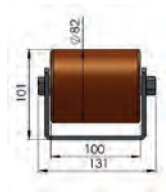
#### Profile:

- 4 mm thick, galvanized profile
- optionally available with raised section on one side
- max. length: 2,975 mm

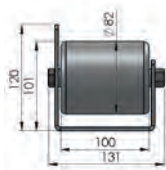
Our heavy-duty roller tracks are manufactured to match your required lengths and pitches. Profile raised on one side in order to guide the conveyed goods: this prevents sliding and tilting.



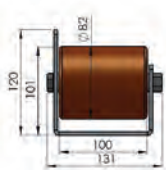
series 998-KN82	pitch mm	roller material	bearing	load capacity / roller kg
998-SRS100-85-KN82 Ident No.: 0029192	85	polyamide	deep-groove ball bearing	1,000
998-SRS100-170-KN82 Ident No.: 0029193	170	polyamide	deep-groove ball bearing	1,000



series 998-VN82	pitch mm	roller material	bearing	load capacity / roller kg
998-SRS100-85-VN82 Ident No.: 0029194	85	polyurethane	deep-groove ball bearing	700
998-SRS100-170-VN82 Ident No.: 0029195	170	polyurethane	deep-groove ball bearing	700



series 999-KN82	pitch mm	roller material	bearing	load capacity / roller kg
999-SRS100-85-KN82-3 Ident No.: 0014772	85	polyamide	deep-groove ball bearing	1,000
999-SRS100-170-KN82-3 Ident No.: 0014771	170	polyamide	deep-groove ball bearing	1,000



series 999-VN82	pitch mm	roller material	bearing	load capacity / roller kg
999-SRS100-85-VN82-3 Ident No.: 0010878	85	polyurethane	deep-groove ball bearing	700
999-SRS100-170-VN82-3 Ident No.: 0029196	170	polyurethane	deep-groove ball bearing	700

Suitable castors can be found on page 228

## heavy-duty roller track // up to 655 kg per roller

### Heavy-duty roller track US-NR09:

When compared with conventional US-NR tracks, our heavy-duty US-NR09 roller track is made from a stronger profile (44 x 28 x 44 x 3 mm). In addition, stable deep-groove ball bearings 6204-2RS are used instead of rollers.

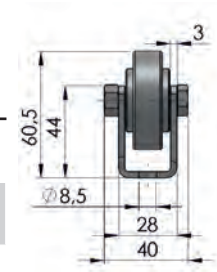
The max. length is 2,975 mm.

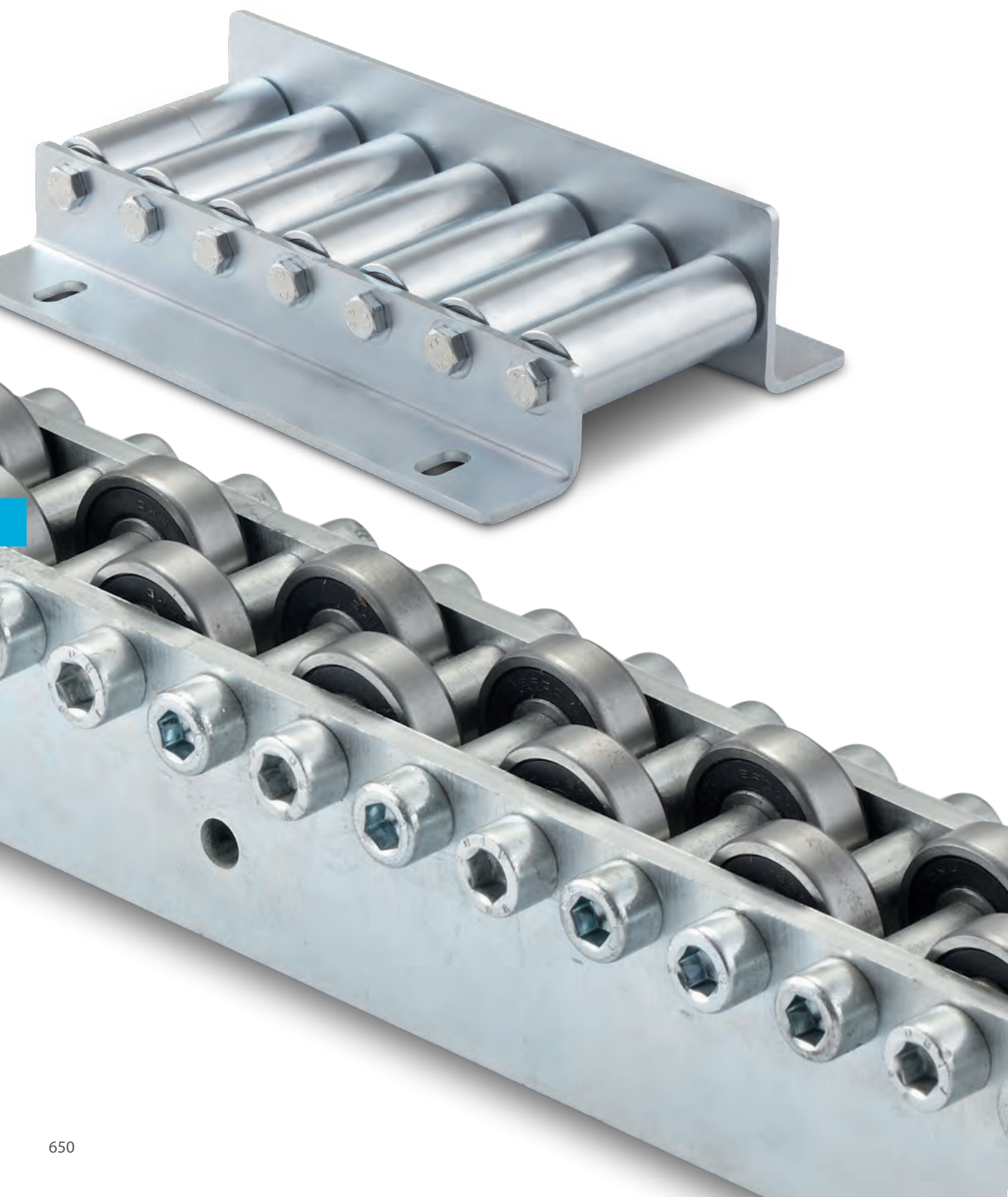
When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

**Order example: US-NR09-050/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

series US-NR09	pitch mm	roller material	bearing	load capacity / roller kg
US-NR09-050 Ident No.: 0027860	50	steel blank	deep-groove ball bearing	655
US-NR09-075 Ident No.: 0029175	75	steel blank	deep-groove ball bearing	655
US-NR09-100 Ident No.: 0029176	100	steel blank	deep-groove ball bearing	655
US-NR09-125 Ident No.: 0029177	125	steel blank	deep-groove ball bearing	655
US-NR09-150 Ident No.: 0029178	150	steel blank	deep-groove ball bearing	655
US-NR09-175 Ident No.: 0029179	175	steel blank	deep-groove ball bearing	655
US-NR09-200 Ident No.: 0029180	200	steel blank	deep-groove ball bearing	655







# Multi-transfer tracks

Our reliable multi-transfer tracks are suitable for transporting various types of load carriers (such as heavy lattice crates, pallets, JIT and JIS racks).

We use minimized roller spacing and high load-carrying capabilities to carry heavy loads on very small support points. Transport containers with bases that are not completely ideal (e.g., lattice crates) can be integrated into the logistics system.

We can also deliver complete solutions that are individually tailored to your requirements; our support already begins during the planning phase for your project. Take advantage of our in-depth experience and benefit from our assessment of your operating conditions and influencing factors (including the suitability of using roller conveyors for your goods) – leave nothing to chance.

## Versions

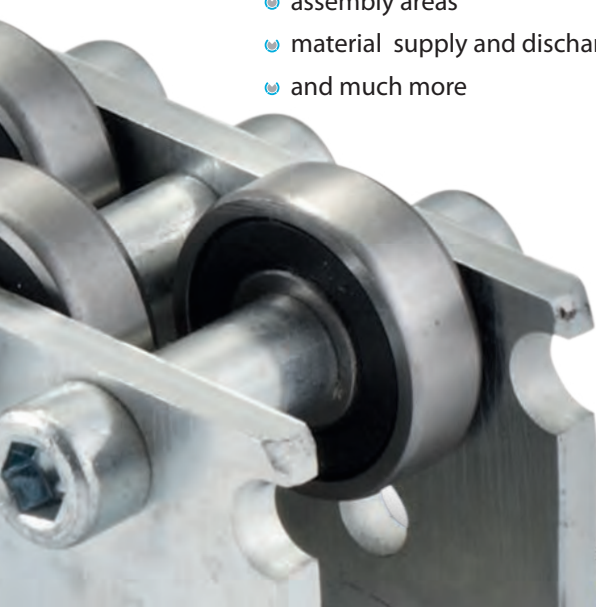
- 🔗 offset ball bearing 6300-2RS
- 🔗 rollers Ø 38 mm in standard lengths 60/100/146 mm
- 🔗 rollers Ø 42 mm in standard length 100 mm

## Model variants

- 🔗 base frame (heavy welded construction)
- 🔗 drive protection for fork lift trucks
- 🔗 pneumatic lifting device
- 🔗 side guide
- 🔗 end stops

## Areas of use

- 🔗 conveyor systems
- 🔗 storage strategies (FIFO, LIFO)
- 🔗 machine construction
- 🔗 assembly areas
- 🔗 material supply and discharge
- 🔗 and much more



**+49 800 9341700**

Give us a call for more advice on planning your personal facility.

**multi-transfer tracks** // Up to 345 kg per ball bearing

## Standard **multi-transfer track**



- rollers: 6300-2RS bearings with offset arrangement
- side panels galvanized as default
- temperature resistant up to 120° C
- load capacity: max. 345 kg per ball bearing
- order number for straight section: 0033501

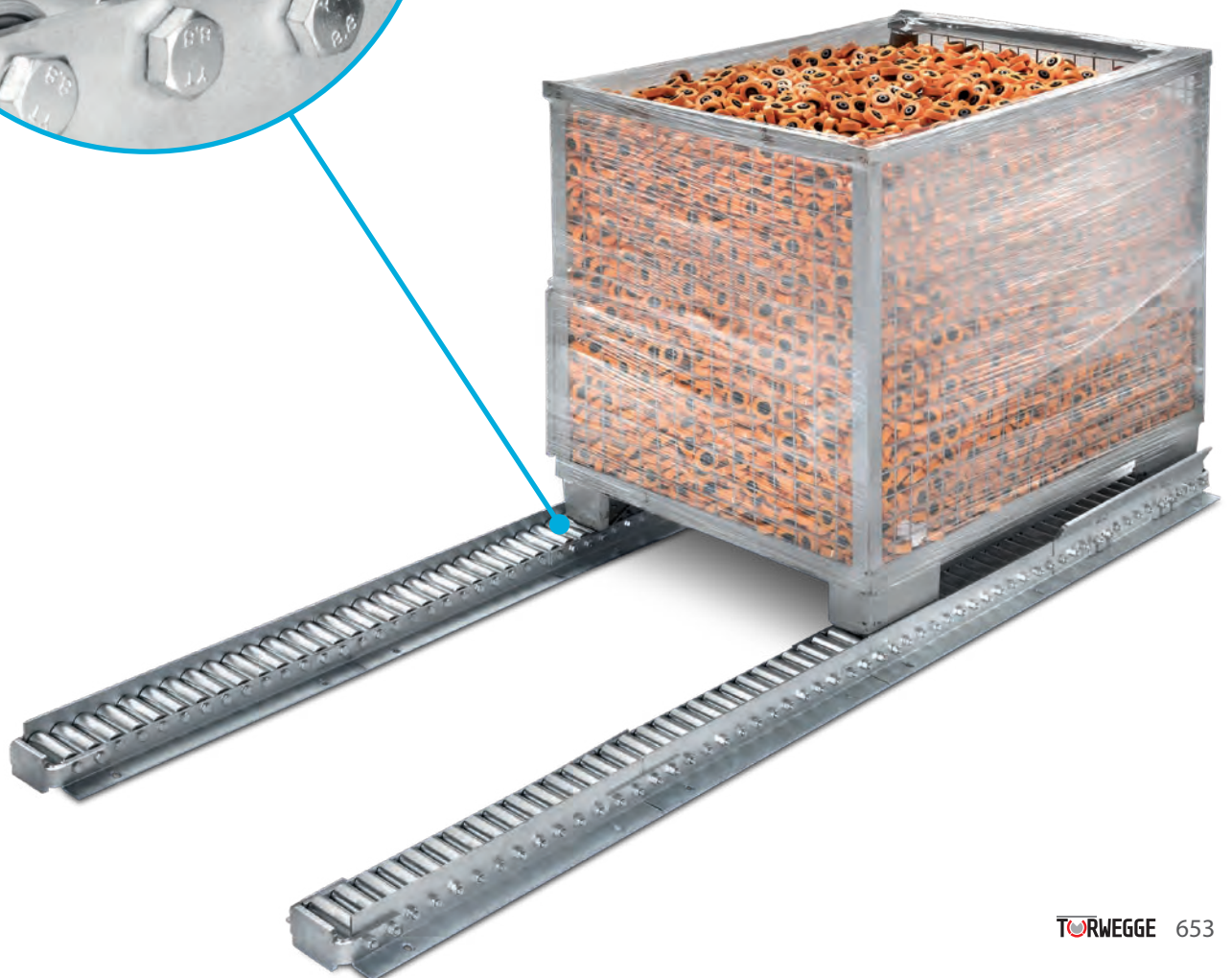
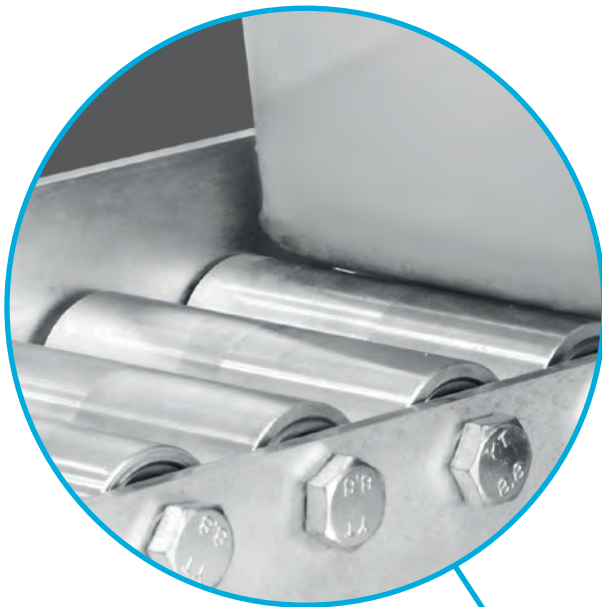
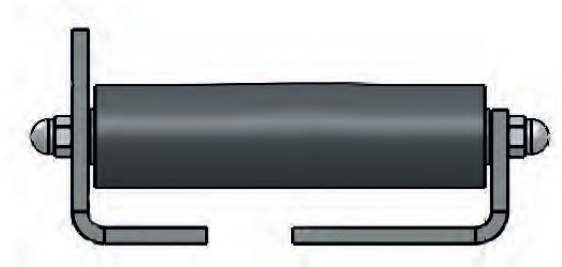


*"Please check out our new applications from page 18"*

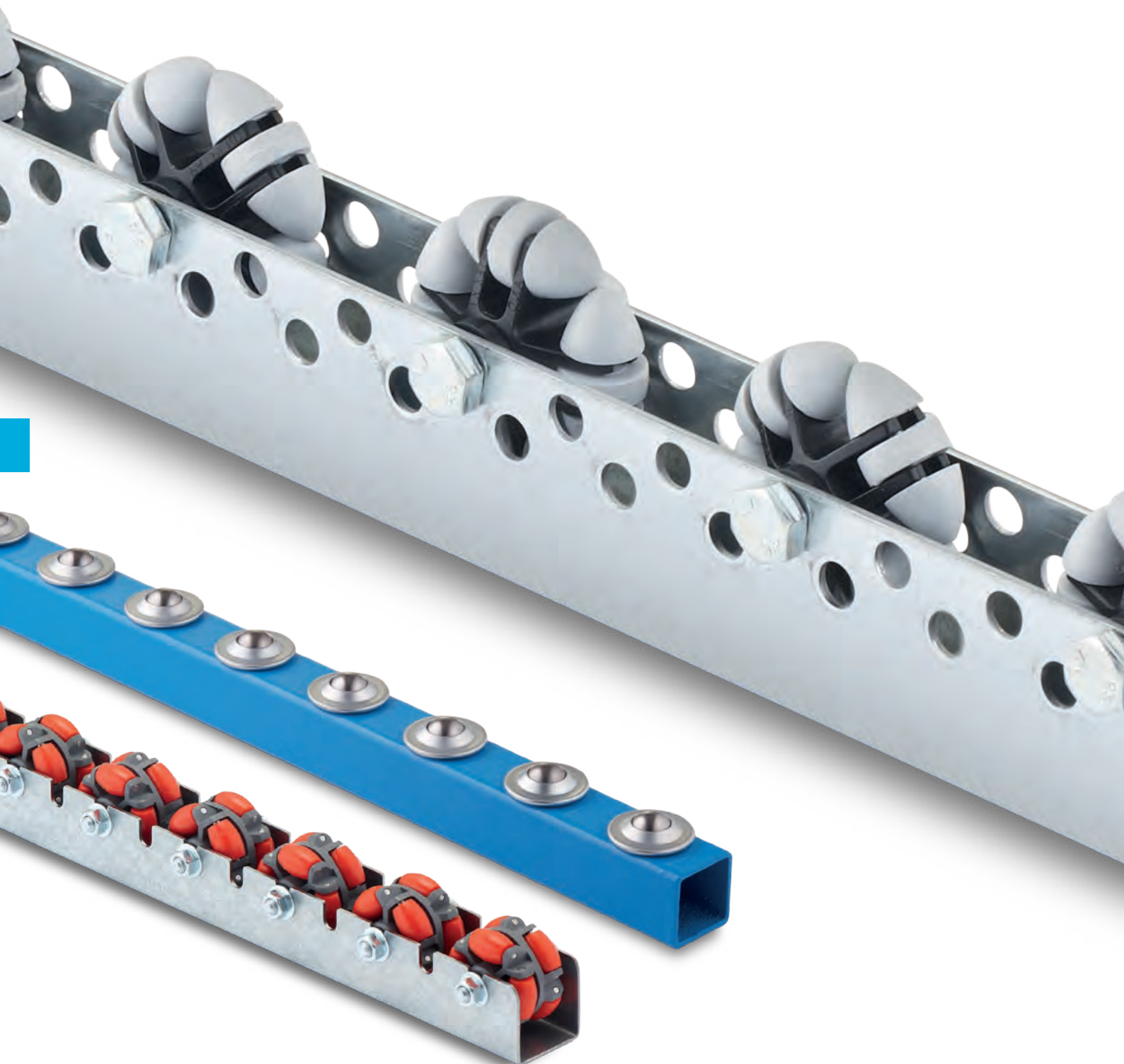
Suitable castors can be found on page 228

## Heavy-duty multi transfer track

- carrier rollers: with deep-groove ball bearings 6200-RS
- standard design: carrier rollers in bright steel
- side panels painted according to RAL
- load capacity: max. 200 kg per carrier roller
- order number for straight section: 0033502









## Special multi-directional and ball transfer tracks

Our special multi-directional and ball transfer tracks are used wherever conveyed goods with flat supporting surfaces must be rotated in different directions, sorted and transported.

### Versions

- multi-directional rollers with polyamide barrel rollers
- multi-directional rollers with polyurethane barrel rollers
- ball rollers with steel sheet housing and steel ball

### Model variants

- ball rollers with a nylon ball
- ball rollers with a solid housing
- stainless steel version

### Areas of use

- automotive industry
- machine construction
- packaging industry
- wood and furniture industry
- stone-working machines
- and much more



multi-directional roller tracks // up to 10 kg per roller



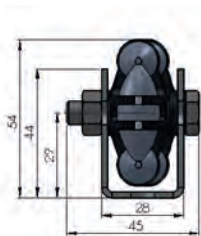
Multi-directional roller tracks, type ASR

Rollers:

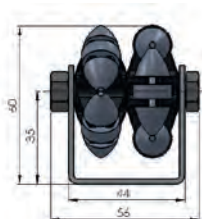
- rollers made of polyamide

Profile:

- made of galvanized sheet steel
- track type ASRS10 and ASRS60, max. length of 6,000 mm
- track type ASRS50 and ASRS80, max. length of 2,966 mm
- our multi-directional roller tracks are manufactured to match your required lengths and pitches



series ASRS10	pitch mm	roller material	bearing	load capacity / roller kg
ASRS10-050 Ident No.: 0014882	50	plastic	plain bearing	5
ASRS10-075 Ident No.: 0014883	75	plastic	plain bearing	5
ASRS10-100 Ident No.: 0014880	100	plastic	plain bearing	5
ASRS10-125 Ident No.: 0014881	125	plastic	plain bearing	5



series ASRS50	pitch mm	roller material	bearing	load capacity / roller kg
ASRS50-066 Ident No.: 0014964	66	plastic	plain bearing	10
ASRS50-100 Ident No.: 0014961	100	plastic	plain bearing	10
ASRS50-133 Ident No.: 0014962	133	plastic	plain bearing	10
ASRS50-166 Ident No.: 0014963	166	plastic	plain bearing	10

## multi-directional roller tracks // up to 40 kg per roller

Torwegge's multi-directional roller tracks can be used wherever there are large-surface bundles, containers, packages, load crates, or workpieces that need to be rotated, sorted, diverted, fed, or picked.

We recommend using the multi-directional rollers for the main conveying direction, since the rolling resistance is slightly greater in the secondary conveying direction.

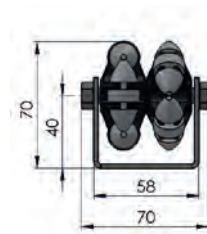
The dimensions and weight of the material being conveyed will determine the spacing of the rollers or the bars. The relevant forces should be determined, when necessary, through trial runs.

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

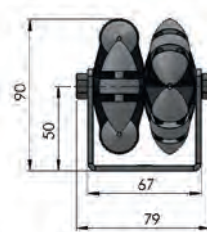
**Order example: ASRS50-100/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.

series ASRS60	pitch mm	roller material	bearing	load capacity / roller kg
ASRS60-066 Ident No.: 0014966	66	plastic	plain bearing	20
ASRS60-100 Ident No.: 0014967	100	plastic	plain bearing	20
ASRS60-133 Ident No.: 0014968	133	plastic	plain bearing	20
ASRS60-166 Ident No.: 0014969	166	plastic	plain bearing	20



series ASRS80	pitch mm	roller material	bearing	load capacity / roller kg
ASRS80-100 Ident No.: 0014975	100	plastic	plain bearing	40
ASRS80-133 Ident No.: 0014976	133	plastic	plain bearing	40
ASRS80-166 Ident No.: 0014977	166	plastic	plain bearing	40
ASRS80-200 Ident No.: 0014978	200	plastic	plain bearing	40



Suitable castors can be found on page 228

## multi-directional roller tracks // up to 15 kg per roller



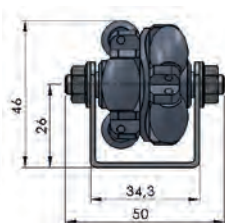
### Multi-directional roller tracks, type AWRs

#### Rollers:

- polyamide barrel rollers (or optionally in PUR) with stainless steel axles
- the roller wheels are equipped with ribs; there are six offset barrel rollers located between the ribs

#### Profile:

- made of galvanized sheet steel
- rail type: AWRs40: max. length of 2,975 mm
- rail type: AWRs48 and AWRs80: max. length of 2,950 mm
- our multi-directional roller tracks are manufactured to match your required lengths and pitches



series AWRs40	pitch mm	roller material	bearing	load capacity / roller kg
AWRs40-050-A Ident No.: 0015035	50	polyamide	plain bearing	10
AWRs40-075-A Ident No.: 0040497	75	polyamide	plain bearing	10
AWRs40-100-A Ident No.: 0026767	100	polyamide	plain bearing	10
AWRs40-150-A Ident No.: 0040498	150	polyamide	plain bearing	10
AWRs40-200-A Ident No.: 0040500	200	polyamide	plain bearing	10



series AWRs48	pitch mm	roller material	bearing	load capacity / roller kg
AWRs48-050-A Ident No.: 0015038	50	polyamide	plain bearing	15
AWRs48-100-A Ident No.: 0015036	100	polyamide	plain bearing	15
AWRs48-150-A Ident No.: 0024074	150	polyamide	plain bearing	15
AWRs48-200-A Ident No.: 0027788	200	polyamide	plain bearing	15

## multi-directional roller tracks // up to 40 kg per roller

Torwegge's multi-directional roller tracks can be used wherever there are large-surface bundles, containers, packages, load crates, or workpieces that need to be rotated, sorted, diverted, fed, or picked.

We recommend using the multi-directional rollers for the main conveying direction, since the rolling resistance is slightly greater in the secondary conveying direction.

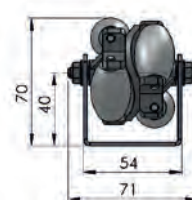
The dimensions and weight of the material being conveyed will determine the spacing of the rollers or the bars. The relevant forces should be determined, when necessary, through trial runs.

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

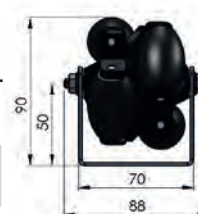
**Order example: AWRS48-100/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.

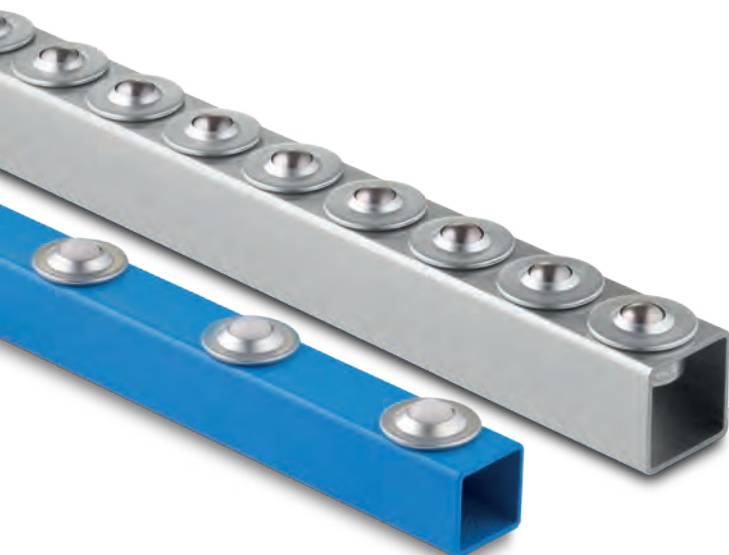
series AWRS60	pitch mm	roller material	bearing	load capacity / roller kg
AWRS60-100-A Ident No.: 0015041	100	polyamide	plain bearing	20
AWRS60-150-A Ident No.: 0015042	150	polyamide	plain bearing	20
AWRS60-200-A Ident No.: 0027826	200	polyamide	plain bearing	20



series AWRS80	pitch mm	roller material	bearing	load capacity / roller kg
AWRS80-100-A Ident No.: 0015044	100	polyamide	plain bearing	40
AWRS80-150-A Ident No.: 0040501	150	polyamide	plain bearing	40
AWRS80-200-A Ident No.: 0040503	200	polyamide	plain bearing	40



## ball transfer tracks // up to 60 kg per roller



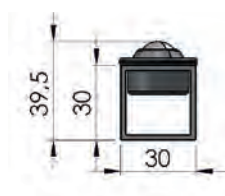
### Ball transfer tracks

#### Ball transfer units:

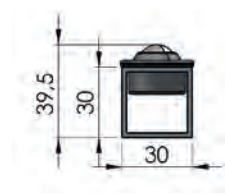
- ball transfer units in galvanized housing with steel or plastic ball
- also available with stainless steel ball and solid housing on request

#### Profile:

- painted steel (RAL 5017 traffic blue)
- bright steel also available; galvanized and RAL colors available on request
- max. length: 6,000 mm
- our ball transfer tracks are manufactured to match your required lengths and pitches



series KRS15B	pitch mm	roller material	load capacity / roller kg
KRS15B-050 Ident No.: 0017457	50	steel	60
KRS15B-075 Ident No.: 0017458	75	steel	60
KRS15B-100 Ident No.: 0017454	100	steel	60
KRS15B-125 Ident No.: 0017455	125	steel	60
KRS15B-150 Ident No.: 0017456	150	steel	60



series KRS15B-KU	pitch mm	roller material	load capacity / roller kg
KRS15B-KU-050 Ident No.: 0040504	50	plastic	10
KRS15B-KU-075 Ident No.: 0031127	75	plastic	10
KRS15B-KU-100 Ident No.: 0033571	100	plastic	10
KRS15B-KU-125 Ident No.: 0032524	125	plastic	10
KRS15B-KU-150 Ident No.: 0027649	150	plastic	10

## ball transfer tracks // up to 160 kg per roller

Ball transfer tracks are used for smoothly transporting all types of large-surface and stable loads in all directions, with rolling friction. Using ball transfer units and ball transfer tracks, it is possible to move and turn hard, large-surface goods in all horizontal directions with little expenditure of energy.

The specified load-carrying capacities refer to conveyed goods with smooth, hard bottoms. In practice, however, considerably more ball transfer units than indicated by the theoretical load-carrying capacity must often be used. This depends on the surface quality of the conveyed goods.

### Installation:

The initial and final dimensions are determined at the time of production and depend on the pitch and length.

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

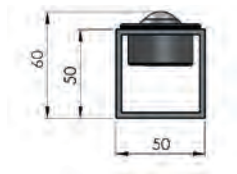
**Order example: KRS15B-075/2x1,500**

The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the centre points of adjacent rollers.

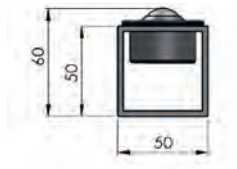


***"We can turn you in any direction"***

series KRS22B	pitch mm	roller material	load capacity / roller kg
KRS22B-075 Ident No.: 0031582	75	steel	160
KRS22B-100 Ident No.: 0017460	100	steel	160
KRS22B-150 Ident No.: 0017461	150	steel	160
KRS22B-200 Ident No.: 0017462	200	steel	160



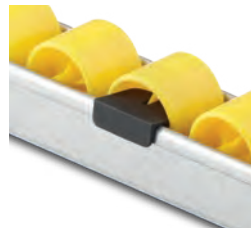
series KRS22B-KU	pitch mm	roller material	load capacity / roller kg
KRS22B-KU-075 Ident No.: 0027618	75	plastic	20
KRS22B-KU-100 Ident No.: 0028007	100	plastic	20
KRS22B-KU-150 Ident No.: 0027872	150	plastic	20
KRS22B-KU-200 Ident No.: 0040505	200	plastic	20







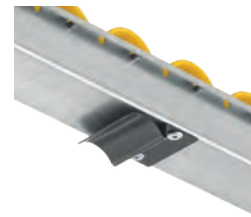
order number	description
RU-EG Ident No.: 0026914	end stop for roller rail RU



order number	description
RU-BK Ident No.: 0026917	adjustable spring clip for roller rail, type RU



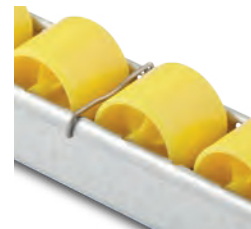
order number	description
RU-KS Ident No.: 0026919	edge protection for roller rail, type RU



order number	description
RU-VFKL Ident No.: 0026918	safety strut for roller rail RU



order number	description
RU-V Ident No.: 0026915	Connector for roller rail, type RU



order number	description
RU-SPS Ident No.: 0026920	end stop for roller rail, type SF



order number	description
RU-BB Ident No.: 0026916	brake plate for roller rail, type RU



order number	description
SF-E Ident No.: 0026921	siding end stop for roller rail, type SF



order number	description
RU-V-XL Ident No.: 0037964	connector for roller rail, type RU-XL



order number	description
SF-SE Ident No.: 0026922	connector for roller rail, type SF



order number	description
RU-FK-XL Ident No.: 0037965	safety strut for roller rail, type RU-XL



order number	description
SF-V Ident No.: 0026923	connector for roller rail, type SF



order number	description
RU-VFKL-XL Ident No.: 0037966	adjustable spring clip for roller rail, type RU-XL



order number	description
RU-BR-XL Ident No.: 0037967	brake plate for roller rail, type RU-XL



order number	description
RU-ARS-XL Ident No.: 0037968	non-return stopper for roller rail, type RU-XL



accessories // all-purpose- and colli-roller track



order number	description
US-EU Ident No.: 0026932	end stop for all-purpose roller track



order number	description
NR-EC Ident No.: 0027514	sliding end stop for colli roller track



order number	description
US-SEU Ident No.: 0026933	sliding end stop for pallet roller track



order number	description
NR-SEC Ident No.: 0027515	sliding end stop colli roller track



order number	description
US-VU Ident No.: 0026934	connector for all-purpose roller track



order number	description
NR-RSC Ident No.: 0027516	roller protection for colli roller track



order number	description
NR-VC Ident No.: 0027517	connector for colli roller track



order number	description
NR-RUC Ident No.: 0032511	return stopper for colli roller track

order number	description
NR-EP Ident No.: 0010914	sliding end stop for pallet roller track



order number	description
NR-RU Ident No.: 0028819	return stop for pallet roller track



order number	description
NR-SEP Ident No.: 0010915	sliding end stop for pallet roller track



order number	description
TRM50-STI-8-EL73,5 Ident No.: 0033472	replacement TRM carrier roller for pallet roller track



order number	description
NR-RSP Ident No.: 0010916	roller protection for pallet roller track



order number	description
VN50-070-0K-2Rs Ident No.: 0038370	replacement VN50 carrier roller for pallet roller track



order number	description
NR-VP Ident No.: 0027523	connector for pallet roller track



order number	description
NR100-47-8-sO-AR20-73,5 Ident No.: 0040121	replacement carrier roller with ball bearing for pallet roller track



order number	description
NR-LOCKING-RIGHT Ident No.: 0037948	manual locking device for pallet roller track (right)
NR-LOCKING-LEFT Ident No.: 0038093	manual locking device for pallet roller track (left)



order number	description
NR100-BRAKING ROLLER- sTBT2s Ident No.: 0039164	brake roller (complete set) for pallet roller track



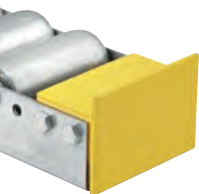
order number	description
NR-BASE FRAME Ident No.: 0039328	base frame for pallet roller track



order number	description
U-80-55-120x3-sTI-ABK-RE Ident No.: 0037129	splayed U-profile to aid insertion (right)
U-80-55-120x3-sTI-ABK-LI Ident No.: 0037196	splayed U-profile to aid insertion (left)



## accessories // wide pallet roller track and heavy-duty roller track, MTS, ASR



order number	description
NR-EG Ident No.: 0027250	end stop for width pallet roller track



order number	description
SRS-SES Ident No.: 0037647	sliding end stop for heavy-duty roller track



order number	description
NR-SEG Ident No.: 0027251	sliding end stop for wide pallet roller track



order number	description
EA10 Ident No.: 0040586	end stop for multi-directional ASRS10 roller track



order number	description
NR200-60x5-STI-10-123,5 Ident No.: 0039917	replacement carrier roller with 5 mm tube wall for wide pallet roller track



order number	description
EA50 Ident No.: 0028806	end stop for multi-directional ASRS50 roller track



order number	description
NR200-BRAKE-TBT2S Ident No.: 0040200	brake roller for wide pallet roller track



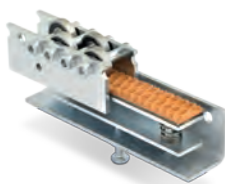
order number	description
EA60 Ident No.: 0040506	end stop for multi-directional ASRS60 roller track



order number	description
MTS-EA Ident No.: 0040510	end stop for MTS standard



order number	description
EA80 Ident No.: 0040507	end stop for multi-directional ASRS80 roller track



order number	description
MTS-BRAKE UNIT Ident No.: 0033530	brake unit for MTS heavy-duty

**accessories** // wide pallet roller track and heavy-duty roller track, MTS, ASR

## Shelf pull-out extension for ground storage

Shelf pull-out extensions for ground storage systems are well suited for load carriers in the standard dimensions of 1,200 x 800 mm (lengthwise transport). They have a load capacity of up to 2,000 kg.

This simple and fast access method to shelf storage leads to significant productivity increases during picking and assembly.

shelf pull-out extensions	storage direction
RA-L-1220x820x100 Ident-No.: 0033586	lengthwise storage
RA-Q-800x1200x100 Ident-No.: 0040878	crossways storage

No additional auxiliary mechanism is required for operations: in its extended position, the user has easy and unrestricted access to the lattice boxes holding the stored goods.

The maintenance-free, double ball-bearing nylon wheels ensure that this storage solution has a long service life. They also provide for a smooth pull-out of the pallet extensions. The total width of 834 mm enables three shelf pull-out extensions to be installed side by side in one shelf.

The width contact surface provides a more stable and safe support for various transport containers. A side guide prevents slippage.

Our rack pull-out extension helps to significantly reduce risks of injury. So your application benefits from the increased safety and comfort.





## rack pull-out extension // up to 2,000 kg

- RAL 7035 powdered surface
- galvanized guide rail
- with attached polyamide wheels







## Flexible ball transfer units

Our flexible ball transfer units provide a simple solution for transporting lightweight to heavy goods along all directions. Our ball transfer units enable you to easily move, rotate and control your conveyed goods.

The ball transfer units generally consist of a steel housing with an embedded, hardened ball cup, which serves as the running track for the small bearing balls. Many of these steel balls support the large load ball, which is also manufactured from steel or plastic.

The ball transfer units are constructed so that a very smooth run is possible in all directions, even when moving heavy loads (depending on the version). In a configuration where the ball transfer units are offset from the vertical with overhead mounting, it is possible to achieve a reduction in the load-carrying capacity of up to 50%.






Many of our ball transfer units are low-maintenance and feature an oil-soaked felt seal against contamination. Ball transfer units with plastic load balls are excellent for moving loads with delicate surfaces (such as glass, polished aluminum, brass and steel sheet).

Our standard product range includes ball transfer units with load ball diameters from 4.8 to 57.1 mm. The balls are made from steel, stainless steel or plastic, with load capacities up to 2,000 kg per ball transfer unit.

### Areas of use

- 🔧 machine construction
- 🔧 conveyor systems
- 🔧 sheet metal processing
- 🔧 machining centers
- 🔧 assembly lines
- 🔧 airport systems
- 🔧 and much more

# BALL TRANSFER UNITS

						
SERIES	ball transfer units with steel sheet housing	ball transfer units with mounting clip	ball transfer units from solid material	ball transfer units with recessed bodies	ball transfer units with threaded bolts	
LOAD CAPACITY	10 kg - 610 kg	38 kg - 610 kg	50 kg - 1,500 kg	12 kg - 340 kg	20 kg - 140 kg	
DIAMETER	24 mm - 62 mm	24 mm - 62 mm	24 mm - 100 mm	22 mm - 75 mm	32 mm - 55 mm	
MATERIALS	steel, stainless, plastic	steel, stainless	steel, stainless	steel, stainless, plastic	steel, stainless, plastic	
STARTING FROM PAGE	674	675	676	677	678	



**universal  
ball transfer units  
with base flange  
and press-fit**



**universal  
ball transfer  
units with  
threaded bolts**



**universal  
ball transfer  
units with  
head flange**



**universal  
ball transfer  
units or base  
flange and spring**



**mini ball  
transfer units**



**heavy-duty  
ball transfer  
units**

25 kg - 100 kg

25 kg - 100 kg

25 kg - 100 kg

25 kg - 100 kg

5 kg - 70 kg

35 kg - 2,000 kg

39 mm - 44 mm

39.5 mm

42 mm

42 mm - 44.5 mm

8 mm - 28 mm

12 mm - 50 mm

steel, stainless,  
plastic

steel, stainless,  
plastic

steel, stainless,  
plastic

steel, stainless,  
plastic

steel, stainless,  
aluminum

steel

**679**

**680**

**681**

**682**

**683**

**684**



**"Tracks for ball transfers units are on  
page 660; tables are on page 592"**



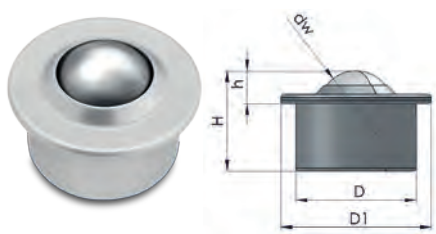
**+49 800 9341700**

Give us a call for more advice on planning your  
personal facility.

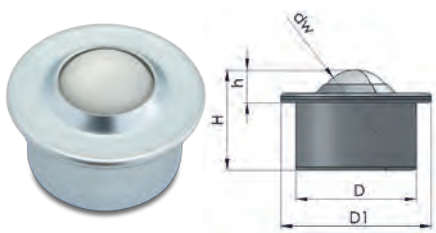


#### Ball transfer units with steel plate housings

- KR-B = galvanized steel plate housing with steel ball
- KR-B-VA = galvanized steel plate housing with stainless steel ball
- KR-BVA = all parts from stainless steel
- KR-B-KU = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations



ball transfer series KR-B	dw mm	D mm	D1 mm	H mm	h mm	load-carrying capacity kg
KR-B-15 Ident No.: 0017480	15.8	24	31	21	9.5	60
KR-B-22 Ident No.: 0017490	22.2	36	45	30	9.8	160
KR-B-30 Ident No.: 0017499	30	45	55	37	13.8	300
KR-B-45 Ident No.: 0017510	44.5	62	75	53.5	19	610
KR-B-15-VA Ident No.: 0017482	15.8	24	31	21	9.5	60
KR-B-22-VA Ident No.: 0017492	22.2	36	45	30	9.8	160
KR-B-30-VA Ident No.: 0017501	30	45	55	37	13.8	300
KR-B-45-VA Ident No.: 0017512	44.5	62	75	53.5	19	610
KR-BVA-15 Ident No.: 0017487	15.8	24	31	21	9.5	38
KR-BVA-22 Ident No.: 0017496	22.2	36	45	30	9.8	100
KR-BVA-30 Ident No.: 0017508	30	45	55	37	13.8	200



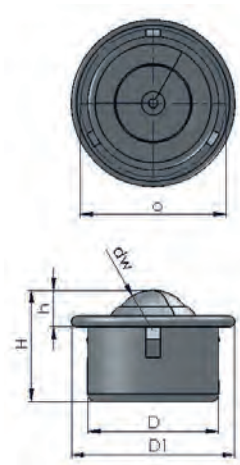
ball transfer series KR-B-KU	dw mm	D mm	D1 mm	H mm	h mm	load-carrying capacity kg
KR-B-15-KU Ident No.: 0017483	15,8	24	31	21	9,5	10
KR-B-22-KU Ident No.: 0017493	22,2	36	45	30	9,8	20
KR-B-30-KU Ident No.: 0017502	30	45	55	37	13,8	25

**Ball transfer units with mounting clips for secure retention and easy installation**

- KR-BK = galvanized steel plate housing with steel ball
- KR-BK-VA = galvanized steel plate housing with stainless steel ball
- KR-BKVA = all parts from stainless steel
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations
- seals for more demanding requirements can also be supplied at an additional cost when needed



ball transfer series KR-BK	dw mm	D mm	D1 mm	H mm	h mm	o mm	load-carrying capacity kg
KR-BK-15 Ident No.: 0026956	15.8	24	31	21	9.5	25	60
KR-BK-22 Ident No.: 0026957	22.2	36	45	30	9.8	37	160
KR-BK-30 Ident No.: 0026958	30	45	55	37	13.8	46	300
KR-BK-45 Ident No.: 0026959	44.5	62	75	54	19	63	610
KR-BK-15-VA Ident No.: 0026960	15.8	24	31	21	9.5	25	60
KR-BK-22-VA Ident No.: 0026961	22.2	36	45	30	9.8	37	160
KR-BK-30-VA Ident No.: 0026962	30	45	55	37	13.8	46	300
KR-BK-45-VA Ident No.: 0026963	44.5	62	75	54	19	63	610
KR-BKVA-15 Ident No.: 0026964	15.8	24	31	21	9.5	25	38
KR-BKVA-22 Ident No.: 0026965	22.2	36	45	30	9.8	37	100
KR-BKVA-30 Ident No.: 0026966	30	45	55	37	13.8	46	200



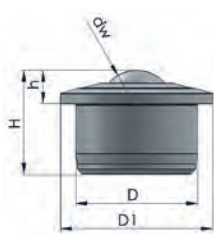


#### Ball transfer units made from solid material

- KR-M (MC) = galvanized steel housing with steel ball
- KR-M (MC)-VA = galvanized steel housing with stainless steel ball
- KR-MCVA = all parts from stainless steel
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations

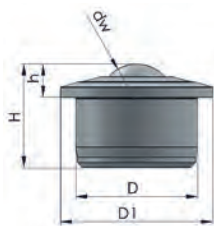
#### Temperature resistance:

- the running quality is not affected at a constant temperature between -30° C and +70° C or for a short time at +100° C



ball transfer series KR-M	dw mm	D mm	D1 mm	H mm	h mm	load-carrying capacity kg
KR-M-15 Ident No.: 0017484	15.8	24	31	21	9.5	100
KR-M-22 Ident No.: 0017494	22.2	36	45	30.5	9.8	180
KR-M-30 Ident No.: 0017506	30	45	55	36.8	13.8	350
KR-M-45 Ident No.: 0017517	44.5	62	75	53.5	19	600
KR-M-60 Ident No.: 0028513	57.1	100	117	77.5	29.5	1,500
KR-M-15-VA Ident No.: 0017486	15.8	24	31	21	9.5	100
KR-M-22-VA Ident No.: 0017495	22.2	36	45	30.5	9.8	180
KR-M-30-VA Ident No.: 0017507	30	45	55	36.8	13.8	350
KR-M-45-VA Ident No.: 0017518	44.5	62	75	53.5	19	600
KR-M-60-VA Ident No.: 0028764	57.1	100	117	77.5	29.5	1,000

#### Heavy-duty ball transfer units for transporting containers (airport ball transfer units) without seal and with extra large dirt exit hole



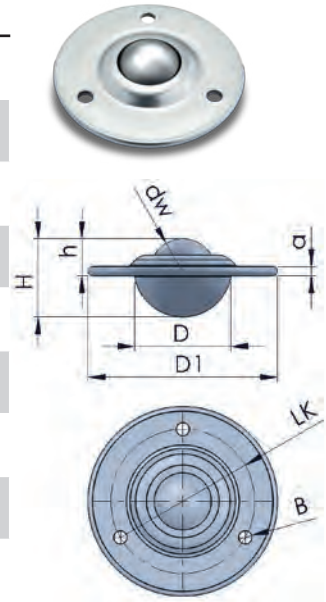
ball transfer series KR-MC	dw mm	D mm	D1 mm	H mm	h mm	load-carrying capacity kg
KR-MC-30 Ident No.: 0017503	30	45	55	36.8	13.8	350
KR-MC-45 Ident No.: 0017514	44.5	62	75	53.5	19	600
KR-MCVA-30 Ident No.: 0017504	30	45	55	36.8	13.8	200
KR-MCVA-45 Ident No.: 0017515	44.5	62	75	53.5	19	600
KR-MC-30-VA Ident No.: 0017505	30	45	55	36.8	13.8	200
KR-MC-45-VA Ident No.: 0017516	44.5	62	75	53.5	19	600

### Ball transfer units with countersunk housings

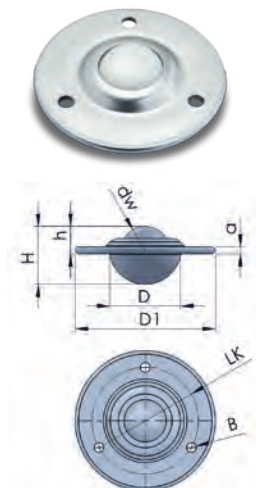
- KR-S = galvanized steel plate housing with steel ball
- KR-SVA = all parts from stainless steel
- KR-S-KU = galvanized housing with plastic ball
- Low installation height due to flange mounting
- with 2 or 3 mounting holes
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations



ball transfer series KR-S	dw mm	D mm	D1 mm	H mm	h mm	a mm	LK mm	B mm	load-carrying capacity kg
KR-S-15 Ident No.: 0028223	15.8	22.1	41.3	18.5	10.2	3.2	30	3.5	12
KR-S-20 Ident No.: 0014721	19	29.1	61	22	10	3.2	44.5	5.1	25
KR-S-25 Ident No.: 0014724	25	37.2	73	30	14.2	3.5	55.6	5.1	55
KR-S-30 Ident No.: 0014727	31.7	45.5	73.7	36.1	16.2	4.2	58.7	5.1	125
KR-S-40 Ident No.: 0014729	39.7	62	94.6	48.5	21.1	6.3	76.2	7	225
KR-S-50 Ident No.: 0014731	50.8	75.3	120.7	58.5	28.3	6.3	92	8	340
KR-SVA-20 Ident No.: 0014723	19	29.1	61	22	10	3.2	44.5	5.1	25
KR-SVA-25 Ident No.: 0014726	25.4	37.2	73	30	14.2	3.5	55.6	5.1	55
KR-SVA-30 Ident No.: 0014728	31.7	45.5	73.7	36.1	16.2	4.2	58.7	5.1	125
KR-SVA-40 Ident No.: 0014730	39.7	62	94.6	48.5	21.2	6.3	76.2	7	225
KR-SVA-50 Ident No.: 0014732	50.8	75.3	120.7	58.5	28.3	6.3	92	8	250



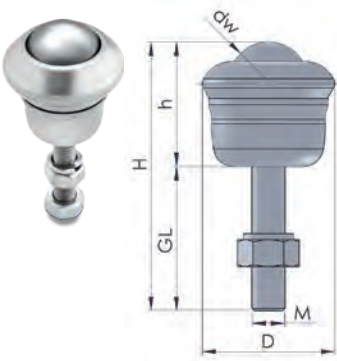
ball transfer series KR-S-KU	dw mm	D mm	D1 mm	H mm	h mm	a mm	LK mm	B mm	load-carrying capacity kg
KR-S-20-KU Ident No.: 0014722	19	29.1	61	22	10	3.2	44.5	5.1	20
KR-S-25-KU Ident No.: 0014725	25	37.2	73	30	14.2	3.5	55.6	5.1	24



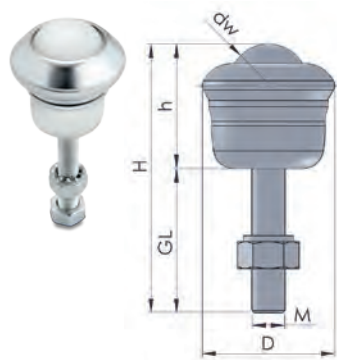
Suitable castors can be found on page 248

Ball transfer with threaded bolts

- KR-G series of ball transfer units: with threaded bolts
- KR-G = galvanized steel plate housing with steel ball
- KR-GVA = all parts from stainless steel
- KR-G-KU = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations
- seals for more demanding requirements can also be supplied at an additional cost when needed



ball transfer series KR-G	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-G-20 Ident No.: 0014733	19	32.1	75.2	30.2	45	M8	25
KR-G-25 Ident No.: 0014736	25.4	39.7	82.7	39.7	43	M8	55
KR-G-40 Ident No.: 0014739	39.7	55.5	96.8	54.8	42	M10	140
KR-GVA-20 Ident No.: 0014735	19	32.1	65.2	30.2	35	M8	25
KR-GVA-25 Ident No.: 0014738	25.4	39.7	72.7	39.7	33	M8	55
KR-GVA-40 Ident No.: 0014740	39.7	55.5	96.8	54.8	42	M10	140



ball transfer series KR-G-KU	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-G-20-KU Ident No.: 0014734	19	32.1	65.2	30.2	35	M8	20
KR-G-25-KU Ident No.: 0014737	25.4	39.7	82.7	39.7	43	M8	25



### Universal ball transfer units with base flange or press-fit

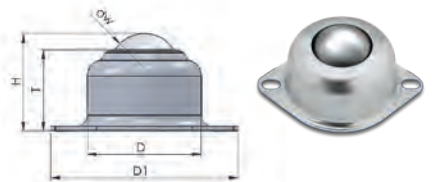
- KR-F (KR-UO) = galvanized housing with steel ball
- KR-FVA (KR-UVA) = all parts from stainless steel
- KR-F-KU (KR-U-KU) = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations

### Temperature resistance:

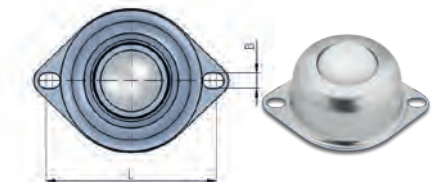
The running qualities are not affected for constant temperatures between -30° C and +70° C, or for +100° C for a short time.



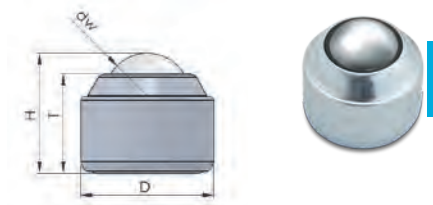
ball transfer series KR-F	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-F-25 Ident No.: 0014741	25.4	44.5	69	30.5	24.2	60.3	5	55
KR-FVA-25 Ident No.: 0014743	25.4	44.5	69	30.5	24.2	60.3	5	55



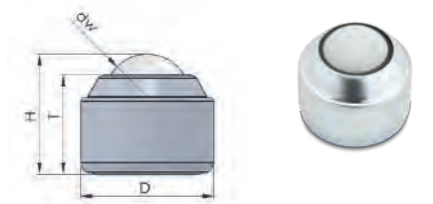
ball transfer series KR-F-KU	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-F-25-KU Ident No.: 0014742	25.4	44.5	69	30.5	24.2	60.3	5	25



ball transfer series KR-UO	dw mm	D mm	H mm	T mm	load-carrying capacity kg
KR-U0-25 Ident No.: 0014744	25.4	39.5	35.8	29.7	100
KR-U0VA-25 Ident No.: 0014746	25.4	39.5	35.8	29.7	100



ball transfer series KR-U0-KU	dw mm	D mm	H mm	T mm	load-carrying capacity kg
KR-U0-25-KU Ident No.: 0014745	25.4	39.5	35.8	29.7	25

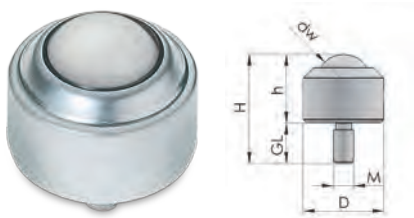


Universal ball transfer with threaded bolts

- KR-U1 series of ball transfer units: with threaded bolts
- KR-U1VA = all parts from stainless steel
- KR-U1-KU = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations



ball transfer series KR-U1	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-U1-25-18 Ident No.: 0014747	25.4	39.5	53.8	35.8	18	M8	100
KR-U1VA-25 Ident No.: 0014751	25.4	39.5	53.8	35.8	18	M8	100



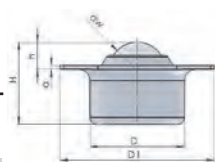
ball transfer series KR-U1-KU	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-U1-25-KU Ident No.: 0014750	25.4	39.5	35.8	17.8	18	M8	25

### Universal ball transfer units with head flange

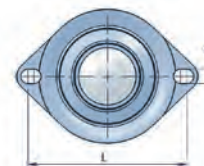
- ball transfer units with head flange
- KR-U2 = galvanized housing with steel ball
- KR-U2VA = all parts from stainless steel
- KR-U2-KU = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations



ball transfer series KR-U2	dw mm	D mm	D1 mm	H mm	h mm	a mm	L mm	B mm	load-carrying capacity kg
KR-U2-25 Ident No.: 0014752	25.4	42	69	36.5	12	1.7	58.7	5.1	100
KR-U2VA-25 Ident No.: 0014754	25.4	42	69	36.5	12	1.75	58.7	5.1	100



ball transfer series KR-U2-KU	dw mm	D mm	D1 mm	H mm	h mm	a mm	L mm	B mm	load-carrying capacity kg
KR-U2-25-KU Ident No.: 0014753	25.4	42	69	36.5	12	1.75	58.7	5.1	25



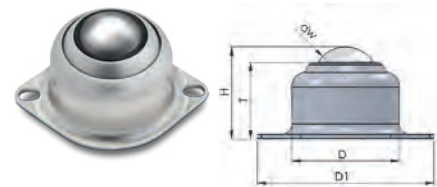


Universal ball transfer units with base flange and lip seal on the loaded ball

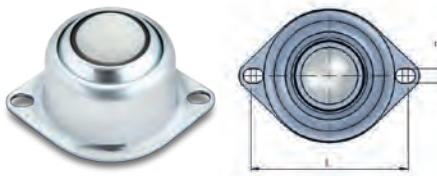
- KR-U3 = galvanized housing with steel ball
- KR-U3VA = all parts from stainless steel
- KR-U3-KU = galvanized housing with plastic ball
- KR-U4-KU = spring-loaded ball transfer unit

Temperature resistance:

The running qualities are not affected for constant temperatures between -30° C and +70° C, or for +100° C for a short time.

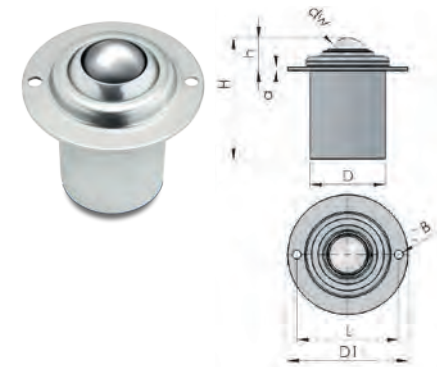


ball transfer series KR-U3	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-U3-25 Ident No.: 0014756	25.4	42	69	35.8	6.1	58.7	6.1	100
KR-U3VA-25 Ident No.: 0014758	25.4	42	69	35.8	6.1	58.7	5	100



ball transfer series KR-U3-KU	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-U3-25-KU Ident No.: 0014757	25.4	42	69	35.8	6.1	58.7	5	25

Universal ball transfer units with spring-loaded ball transfer unit



ball transfer series KR-U4	dw mm	D mm	D1 mm	H mm	h mm	a mm	L mm	B mm	load-carrying capacity kg
KR-U4-25 Ident No.: 0014759	25.4	44.5	71.3	72.2	19.3	2	60.4	5.1	50

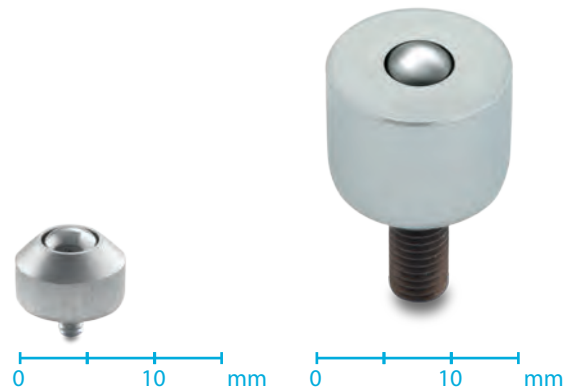
spring-loaded ball transfer unit

### Mini ball transfer units with threaded bolts

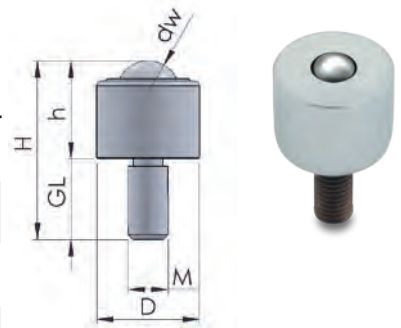
- for use in measuring instruments
- for transporting materials in clean rooms
- guides for small linear bearings
- KR-I = steel housing, steel balls
- KR-IVA = stainless steel housing, stainless steel balls, cylindrical top
- KR-IA = aluminum housing, stainless steel balls, conical top

### Temperature resistance:

The running quality is not affected at a constant temperature between -30° C and +70° C or for a short time at +100° C.

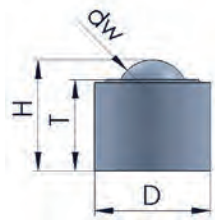


ball transfer series KR-I	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-IA-05 Ident No.: 0026941	4.8	8	8.5	6	2.5	M2	5
KR-I-05 Ident No.: 0026942	4.8	13	24	9	15	M6	10
KR-IVA-05 Ident No.: 0026943	4.8	13	24	9	15	M6	10
KR-IA-06 Ident No.: 0026944	6.4	13	16.5	10.5	6	M3	10
KR-I-06 Ident No.: 0026945	6.4	17	26	11	15	M6	20
KR-IVA-06 Ident No.: 0026946	6.4	17	26	11	15	M6	20
KR-IA-08 Ident No.: 0026947	7.9	15	20.5	12.5	8	M4	15
KR-I-08 Ident No.: 0026948	7.9	18	32	14	18	M8	30
KR-IVA-08 Ident No.: 0026949	7.9	18	32	14	18	M8	30
KR-I-10 Ident No.: 0026950	9.6	23	40	20	20	M8	40
KR-IVA-10 Ident No.: 0026951	9.6	23	40	20	20	M8	40
KR-I-13 Ident No.: 0026952	12.7	28	48	25	23	M8	50
KR-IVA-13 Ident No.: 0026953	12.7	28	48	25	23	M8	50
KR-I-16-K Ident No.: 0026954	15.8	24	32.5	20.5	12	M6	70
KR-IVA-16-K Ident No.: 0026955	15.8	24	32.5	20.5	12	M6	70

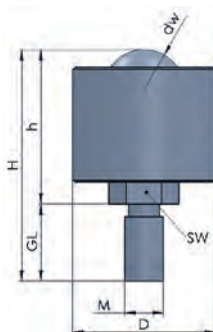


## Heavy-duty ball transfer with press-fit or threaded bolts

- all load-carrying capacity specifications are valid also for overhead installations
- the performance of our ball transfer units is optimized when they are used properly. Installation, load, and spacing accuracy are crucial for achieving optimal operating efficiency. In addition, the surfaces that come into contact with the ball transfer units must be hardened
- if it is difficult to adequately meet these requirements because of the conditions at the place of installation, then we recommend that a safety factor be incorporated into the calculation of the required quantity and performance



ball transfer series KR-OT	dw mm	D mm	H mm	T mm	load-carrying capacity kg
KR-OT-13 Ident No.: 0022451	12.7	20.6	19.6	16.1	35
KR-OT-25-135 Ident No.: 0022452	25.4	44.5	41.4	35.8	135
KR-OT-25-320 Ident No.: 0022453	25.4	50.8	44.7	38.6	320
KR-OT-38 Ident No.: 0022454	38.1	60	61.5	48.5	1,000
KR-OT-50 Ident No.: 0022455	50.8	101.6	98.4	84.1	2,000



ball transfer series KR-OTG	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-OTG-13* Ident No.: 0022469	12.7	20.6	35.8	19.6	16.2	M8	35
KR-OTG-25-135 Ident No.: 0022470	25.4	44.5	72.4	48.3	24.1	M12	135
KR-OTG-25-320 Ident No.: 0022471	25.4	50.8	77	51.3	25.7	M12	320
KR-OTG-38 Ident No.: 0022472	38.1	60	114.3	60.7	40.8	M20	1,000
KR-OTG-50 Ident No.: 0022473	50.8	101.6	159	109.1	49.9	M24	2,000

\* without a key length on the thread tap



### Heavy-duty ball transfer with base flange or head flange

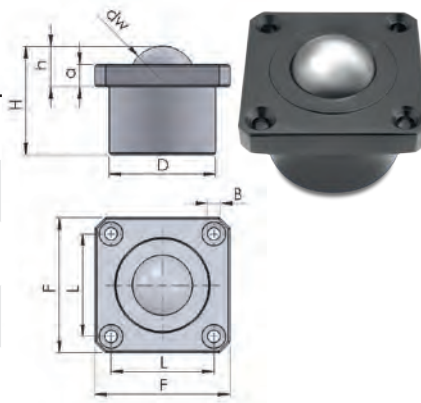
- for use when overall height is limited
- all load-carrying capacity specifications are valid also for overhead installations
- the performance of our ball transfer units is optimized when they are used properly. Installation, load, and spacing accuracy are crucial for achieving optimal operating efficiency. In addition, the surfaces that come into contact with the ball transfer units must be hardened
- if it is difficult to adequately meet these requirements because of the conditions at the place of installation, then we recommend that a safety factor be incorporated into the calculation of the required quantity and performance



ball transfer series KR-OTF	dw mm	D mm	H mm	a mm	T mm	FxF mm	LxL mm	B mm	load-carrying capacity kg
KR-OTF-13 Ident No.: 0022456	12.7	23.8	22.6	3.2	19.1	44.5	34.8	3.6	35
KR-OTF-25-135 Ident No.: 0022457	25.4	44.5	41.4	4.8	35.8	57.2	44.5	5.6	135
KR-OTF-25-320 Ident No.: 0022458	25.4	50.8	45.5	6.3	39.1	76.2	57.9	7.1	320
KR-OTF-38 Ident No.: 0022459	38.1	60	62.2	12.4	49.2	76.2	57.9	7.1	1,000
KR-OTF-50 Ident No.: 0022460	50.8	101.6	98.3	9.6	84	127	101.6	11	2,000

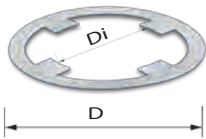


ball transfer series KR-OTKF	dw mm	D mm	H mm	h mm	a mm	FxF mm	LxL mm	B mm	load-carrying capacity kg
KR-OTKF-13* Ident No.: 0022464	12.7	23.8	22.4	11.2	3.2	44.5	34.8	3.6	35
KR-OTKF-25-135 Ident No.: 0022465	25.4	44.5	41.6	10.3	4.7	57.2	44.5	5.6	135
KR-OTKF-25-320 Ident No.: 0022466	25.4	50.8	45	13	6.9	76.2	57.9	7.1	320
KR-OTKF-38 Ident No.: 0022467	38.1	60	61.2	25.4	12.4	76.2	57.9	7.1	1,000
KR-OTKF-50 Ident No.: 0022468	50.8	101.6	98.3	33.3	19	127	101.6	11	2,000



\* version with only 2 mounting holes





Clip CL11	D mm	Di mm	a = flange height mm
CL11-22 Ident No.: 0029207	71.1	35.9	0.7
CL11-30 Ident No.: 0029208	71.1	44.9	0.7
CL11-45 Ident No.: 0025498	72.6	61.2	0.7



Clip CL14	D mm	Di mm	H mm	a mm
CL14-15 Ident No.: 0011650	30.9	24.7	6	0.3
CL14-22 Ident No.: 0011651	44.5	36.7	7	0.3
CL14-30 Ident No.: 0011652	54.9	45.7	7	0.3
CL14-45 Ident No.: 0029213	74	62.7	7	0.3





# Flexible **slewing rings** and **rotary joints**

Our slewing rings are connecting elements used for transferring rotary motion. A classic application example is the rotating bearing on the front axle at the hitch for a truck trailer.

The single-row ball-rotary joints can accommodate axial and radial forces as well as the resulting tilting forces. The rotary joint is optionally available with external or internal teeth if you require a degree of automation.

## Versions

- 🌀 lightweight slewing rings
- 🌀 design turntables
- 🌀 ball steering rings
- 🌀 ball-rotary joints
- 🌀 ball-rotary joints with external or internal teeth

## Areas of use

- 🌀 machine construction
- 🌀 agriculture
- 🌀 furniture industry
- 🌀 loading facilities
- 🌀 automotive industry
- 🌀 and much more

lightweight slewing rings // up to 300 kg



Lightweight slewing rings

Lightweight slewing rings made of metal and plastic are the ideal solution for aligning pallets. They consist of two concentric rings made of metal or plastic. The rotation of the two rings occurs through numerous steel balls, which guarantee the highest gliding ability.

The rotating mechanisms allow the rotation of the outer ring when it is lying on one side; if it lies on the other side, the inner ring rotates. The rings are each equipped with rubber suction cups to prevent slipping. Each ring is fitted with rubber suction cups to prevent slippage. They can be attached on both sides and also on inclined surfaces.

The racks on the inner rings of some units enable a degree of automation.

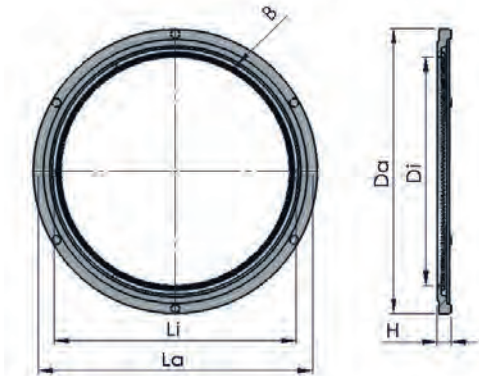
Slewing rings series LE	Da mm	Di mm	La mm	Li mm	H mm	B mm	material	axial load kg
LE230-10 Ident No.: 0018809	230	165	213	180	18	4.50	plastic, black	200
LE230-30 Ident No.: 0018810	230	165	213	180	18	4.50	plastic, transparent	200
LE280-10 Ident No.: 0018811	280	202	263	230	18	4.50	plastic, black	200
LE280-30 Ident No.: 0018812	280	202	263	230	18	4.50	plastic, transparent	200
LE320-10 Ident No.: 0018813	328	260	315	278	16	4.50	metal, black	300
LE320-20 Ident No.: 0018814	328	260	315	278	16	4.50	metal, grey	300



-30 transparent



-10 black



## Lightweight plastic slewing rings

for rotating stands and rotating tables in the furniture industry

### LES-160

load-carrying capacity: 100 kg  
Ø 160 mm  
Ident No. 0018822



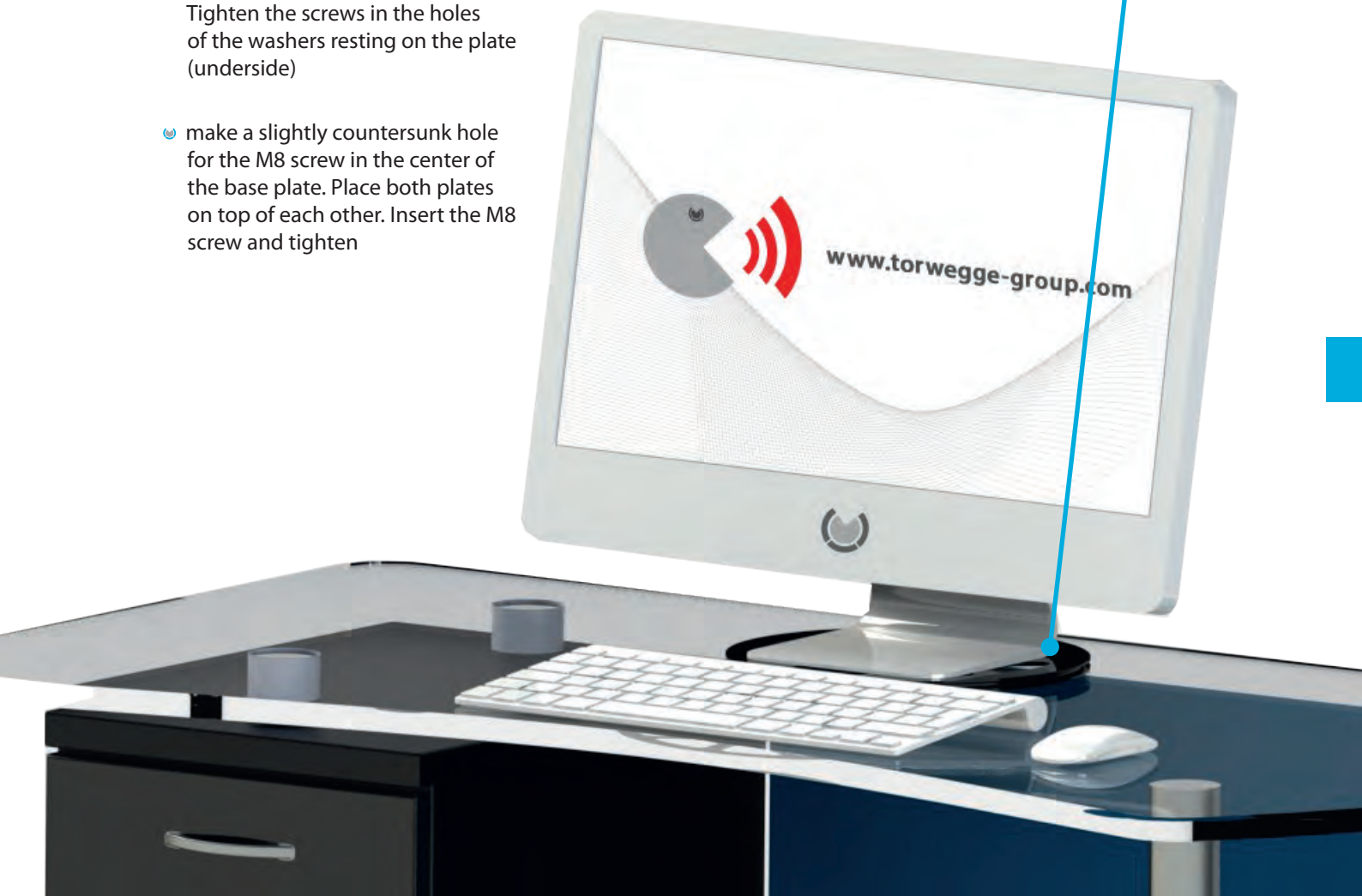
### LES-300

load-carrying capacity: 150 kg  
Ø 300 mm  
Ident No. 0018823

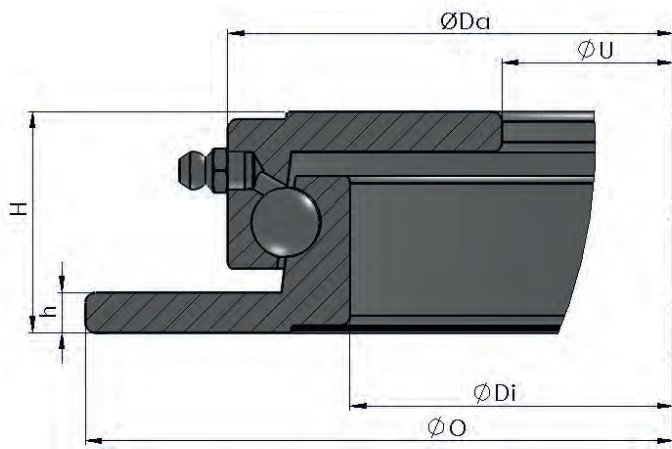


### Various attachment options

- a 10-mm hole is made in the center of the plate (underside). Insert the nylon bushing (diameter: 11 x 6 MA) into the hole in the plate. Center, insert screw, and tighten
- center the slewing ring on the plate. Tighten the screws in the holes of the washers resting on the plate (underside)
- make a slightly countersunk hole for the M8 screw in the center of the base plate. Place both plates on top of each other. Insert the M8 screw and tighten



## ball steering rings // up to 3,500 kg



### Ball steering rings: series L and N

- ball steering rings for lightweight to heavy axial loads of 750 – 4,500 kg
- precision ball steering rings consist of 2 steel rings with rolling bearing steel balls in the ball race with lubrication nipple at the periphery
- low construction height with high axial load; wear-resistant
- both flange rings in profiles L and N are without a drill hole
- suitable for trailers and transportation equipment



**"Swiveling range 120°"**

ball steering ring series L	Da mm	Di mm	O mm	U mm	H mm	h mm	swivel range °	axial load kg
400L Ident No.: 0012065	342	292	400	230	45	8	120	750
500L Ident No.: 0012661	442	392	500	330	45	8	120	900
650L Ident No.: 0013778	592	542	650	480	45	8	120	1,500
750L Ident No.: 0014186	692	642	750	580	45	8	120	1,800
850L Ident No.: 0014577	792	742	850	680	45	8	120	2,500
950L Ident No.: 0014718	892	842	950	780	45	8	120	3,000
1050L Ident No.: 0010103	992	942	1,050	880	45	8	120	3,500



- the axial loads specified are applicable for three axle truck trailers. These axial loads can be exceeded by 10% for two-axle trucks trailers. The values can be exceeded by 20% at speeds below 25 km/h.



*"Swiveling range 120°"*

ball steering rings series N	Da mm	Di mm	O mm	U mm	H mm	h mm	swivel range °	axial load kg
500N Ident No.: 0012663	437	384	500	330	52	8	120	1,800
650N Ident No.: 0013780	587	534	650	465	52	8	120	2,500
750N Ident No.: 0014188	687	634	750	565	52	8	120	3,000
850N Ident No.: 0014579	787	734	850	665	52	8	120	3,500
950N Ident No.: 0014720	887	834	950	765	52	8	120	4,000
1050N Ident No.: 0010105	987	934	1,050	865	52	8	120	4,500

ball steering rings // up to 1,750 kg

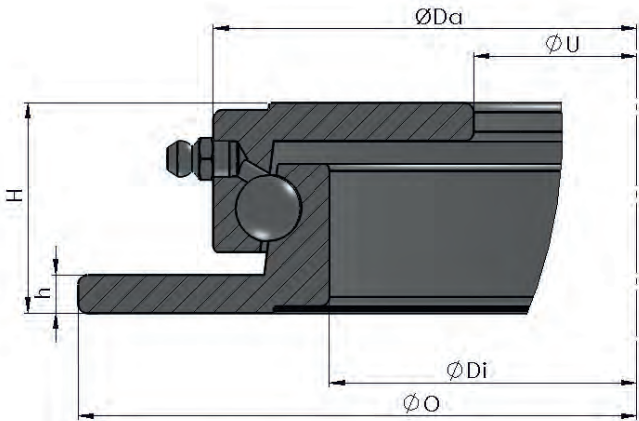


Ball steering rings: series L-360°

- ball steering rings for lightweight to heavy axial loads of 380 – 1,750 kg
- precision ball steering rings consist of 2 steel rings with rolling bearing steel balls in the ball race with lubrication nipple at the periphery
- additionally hardened spacer balls in the ball race
- low construction height with high axial load; wear-resistant



ball steering rings series L-360	Da mm	Di mm	O mm	U mm	H mm	h mm	swivel range °	axial load kg
400L-360 Ident No.: 0012066	346	294	404	236	42	8	360	380
500L-360 Ident No.: 0012662	446	394	504	336	42	8	360	450
650L-360 Ident No.: 0013779	596	544	654	486	42	8	360	750
750L-360 Ident No.: 0014187	696	644	754	586	42	8	360	900
850L-360 Ident No.: 0014578	796	744	854	686	42	8	360	1,250
950L-360 Ident No.: 0014719	896	844	954	786	42	8	360	1,500
1050L-360 Ident No.: 0010104	996	944	1,054	886	42	8	360	1,750



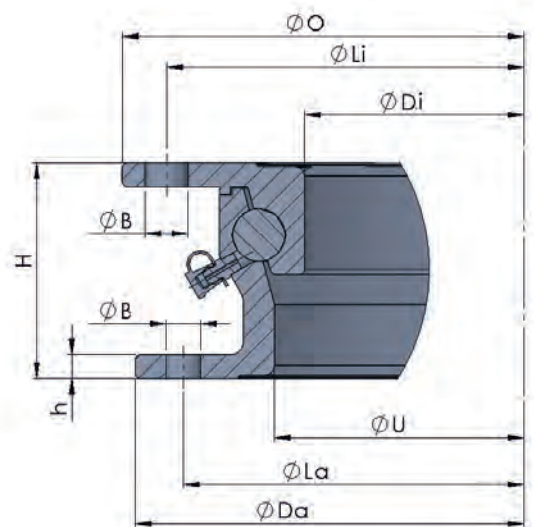
## Ball steering rings: series HE

- ball steering rings for high axial loads of 3,000 – 13,000 kg
- precision ball steering rings consist of two steel rings with rolling bearing steel balls in the ball race with lubrication nipple at the periphery
- low construction height with high axial load; wear-resistant
- the HE6 and HE1200/22 steering rings have drilled holes



*"Swiveling range 120°"*

ball steering rings series HE	Da mm	Di mm	La mm	Li mm	O mm	U mm	H mm	h mm	B mm	swivel range °	axial load kg
HE4 Ident No.: 0016756	700	588	671	657	685	567	80	9	–	120	3,000
HE6 Ident No.: 0016758	1,105	993	1,074	1,060	1,090	972	80	9	18	120	6,500
HE12-1,000 Ident No.: 0016749	1,008	886	974	960	1,000	859	90	10	–	120	7,000
HE1,000-22 Ident No.: 0016746	1,008	886	974	960	1,000	859	90	10	–	120	10,000
HE1200-22 Ident No.: 0016750	1,208	1,086	1,174	1,160	1,200	1,059	90	10	18	120	13,000





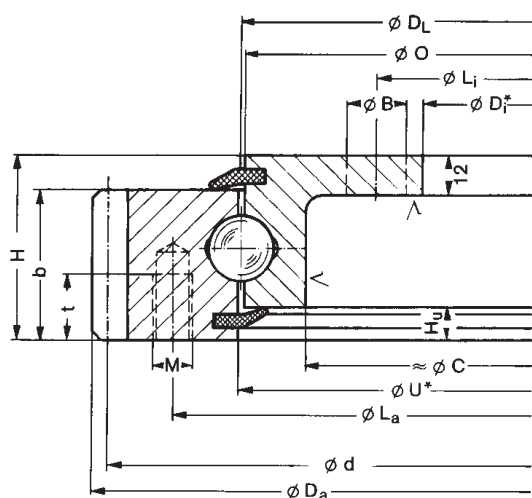
### Rotary joints, series L-360 AZ and IZ

This type series is a lightweight version from our slewing bearings portfolio. Rolling elements made of ball bearing steel, with surface hardened ball tracks. Material : C 45 N, according to DIN 17200 permissible bending stress at the base of the tooth: 130 N/mm<sup>2</sup> normal, 260 N/mm<sup>2</sup> (brief maximum). The bearing cross sections of this type series are kept relatively small to improve their cost efficiency. Therefore, the slewing bearings should be mounted to a torsionally rigid companion structure. The bearing surfaces for the slewing bearings must be even so that the bearings are not twisted when screwed in. This could result in bottlenecks in the track, which would then cause load peaks at these locations. Thus, the bearing surfaces must be mechanically machined.



**"Rotary joint with external teeth"**

rotary joints L-360 AZ	DL mm	Da mm	Di mm	La mm	Li mm	O mm	U mm	C mm	H mm	d mm	No. of teeth	b mm	module	UF norm. kN	UF max. kN
500L-360-AZ Ident No.: 0028349	414	505	304	455	332	412.50	415.50	368	56	495	99	44.50	5	11.83	23.66
650L-360-AZ Ident No.: 0028350	544	640	434	585	462	542.50	545.50	498	56	630	105	44.50	6	14.20	28.40
750L-360-AZ Ident No.: 0028351	644	742	534	685	562	642.50	645.50	598	56	732	122	44.50	6	14.20	28.40
850L-360-AZ Ident No.: 0028355	744	840	634	785	662	742.50	745.50	698	56	828	138	44.50	6	14.20	28.40
950L-360-AZ Ident No.: 0028354	844	950	734	885	762	842.50	845.50	798	56	936	117	44.50	8	18.93	37.86
1050L-360-AZ Ident No.: 0028356	944	1046	834	985	862	942.50	945.50	898	56	1,032	129	44.50	8	18.93	37.86
1200L-360-AZ Ident No.: 0028357	1,094	1,198	984	1,135	1,012	1,092.50	1,095.50	1,048	56	1,184	148	44.50	8	18.93	37.86



### Legende

- thread depth t: 20 mm
- distance down to the outside ring Hu: 11.50 mm
- bore-Ø M: 12 mm
- bore-Ø B: 18 mm

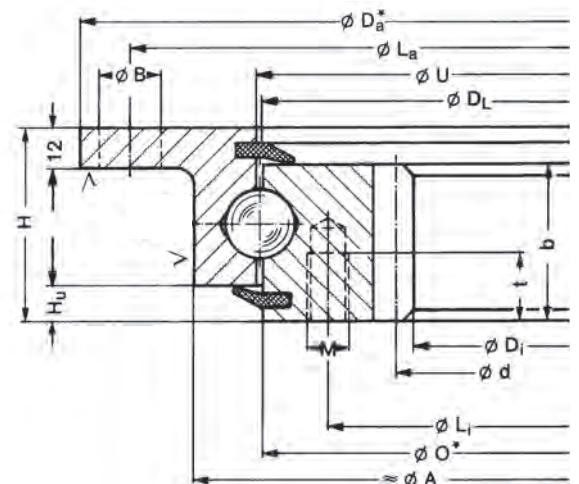


**“Rotary joint with internal teeth”**

rotary joints L -360 iZ	DL mm	Da mm	Di mm	La mm	Li mm	O mm	U mm	C mm	H mm	d mm	No. of teeth	b mm	modul	UF norm. kN	UF max. kN
500L-360-IZ Ident No.: 0028358	414	518	325	490	375	412.50	415.50	454	56	335	67	44.50	5	12.32	24.64
650L-360-IZ Ident No.: 0028359	544	648	445	620	505	542.50	545.50	584	56	456	76	44.50	6	14.79	29.58
750L-360-IZ Ident No.: 0028360	644	748	546	720	605	642.50	645.50	684	56	558	93	44.50	6	14.79	29.58
850L-360-IZ Ident No.: 0028361	744	848	649	820	705	742.50	745.50	784	56	660	110	44.50	6	14.79	29.58
950L-360-IZ Ident No.: 0028362	844	948	736	920	805	842.50	845.50	884	56	752	94	44.50	8	19.79	39.44
1050L-360-IZ Ident No.: 0028363	944	1,048	840	1,020	905	942.50	945.50	984	56	856	107	44.50	8	19.79	39.44
1200L-360-IZ Ident No.: 0028364	1,094	1,198	986	1,170	1,055	1,092.50	1,095.50	1,134	56	1,000	125	44.50	8	19.79	39.44

### Legende

- thread depth t: 20 mm
- distance down to the outside ring Hu: 11.50 mm
- bore-Ø M: 12 mm
- bore-Ø B: 18 mm





## Strong lifting tables

Our strong lifting tables help you to improve your manufacturing productivity. Lifting tables can be used in a wide variety of assembly workstations. They help ease the burden on the people working there while also contributing to safety and ergonomics. This all leads to a smoother and more efficient loading/unloading process.

In many sectors, they are used for adjusting the height (e.g. when transferring work pieces from one level to another). We can also deliver complete solutions that are individually tailored to your requirements; our support already begins during the planning phase for your project. All of our lifting tables are designed and built in accordance with the European standard EN 1570. They are delivered together with a declaration of Incorporation according to the EC Machinery Directive 2006/42/EC, Appendix II, No. 1B.

Take advantage of our in-depth experience and benefit from our assessment of your operating conditions and influencing factors – leave nothing to chance.

### Versions

- single scissoring lifting tables
- tandem lifting tables
- double scissoring lifting tables
- low-profile lifting tables with minimized installation height
- U-shaped and e-shaped lifting tables

### Areas of use

- conveyor systems
- assembly areas
- loading
- transportation of goods
- and much more



**+49 800 9341700**

Give us a call for more advice on planning your personal facility.





### TO-ELS series of scissoring lifting tables

- a strong all-round solution
- our TO-ELS series of standard lifting tables offer an infinitely adjustable height mechanism to help you reach the ideal ergonomic working position
- they have load capacities from 500 to 10,000 kg (depending on version) so they are suitable for a wide range of applications
- accessories and special configurations are available on request
- we will also manufacture customized lifting tables to match your requirements

lifting tables series TO-ELS	load-carrying capacity kg	height mm	table length mm	table width mm	usable hoist mm	hoist time sec	performance kW
TO-ELS0,5-8-1 Ident No.: 0020861	500	170	1,250	800	800	14	0.80
TO-ELS0,5-8-2 Ident No.: 0020862	500	170	1,250	1,000	800	14	0.80
TO-ELS0,5-10-5 Ident No.: 0027111	500	200	1,500	800	1,000	16	1.10
TO-ELS0,5-10-6 Ident No.: 0027110	500	200	1,500	1,000	1,000	16	1.10
TO-ELS1-8-1 Ident No.: 0020020	1,000	180	1,250	800	800	17	1.10
TO-ELS1-8-2 Ident No.: 0025181	1,000	180	1,250	1,000	800	17	1.10
TO-ELS1-10-5 Ident No.: 0020023	1,000	200	1,500	800	1,000	14	2.30
TO-ELS1-10-6 Ident No.: 0020024	1,000	200	1,500	1,000	1,000	14	2.30
TO-ELS1-13-9 Ident No.: 0020027	1,000	200	2,000	1,000	1,300	18	2.30
TO-ELS1-13-11 Ident No.: 0020029	1,000	200	2,300	1,000	1,300	18	2.30
TO-ELS1-16-18 Ident No.: 0020033	1,000	280	2,500	1,600	1,600	34	2.90
TO-ELS2-8-1 Ident No.: 0025184	2,000	200	1,250	800	800	17	2.30
TO-ELS2-8-2 Ident No.: 0025185	2,000	200	1,250	1,000	800	17	2.30
TO-ELS 2-13-9 Ident No.: 0030265	2,000	260	2,000	1,000	1,300	21	2.90
TO-ELS2-13-10 Ident No.: 0027109	2,000	260	2,000	1,250	1,300	21	2.90
TO-ELS2-16-14 Ident No.: 0027108	2,000	300	2,500	1,250	1,600	34	2.90
TO-ELS2-16-18 Ident No.: 0025182	2,000	350	2,500	1,600	1,600	34	2.90

### Properties of our scissoring lifting tables

- operating voltage 400 V
- control voltage 24 V
- compact hydraulic unit (10% duty cycle)
- dead man's control with push-button (3 m cable)
- emergency-stop at the control unit
- circumferential safety contact strip
- table top is made of smooth sheet metal
- bottom frame is made from angled profile segments with fastening clips (not self-supporting)

### Paint

- standard paint in RAL 5015 (sky blue)
- other RAL color-coded paint is available on request



***"Lifting tables with up to 10-ton load capacity available on request"***

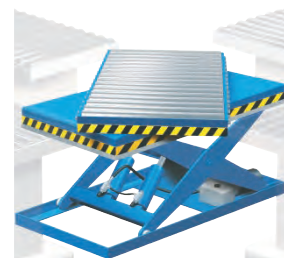
lifting tables series TO-ELS	load-carrying capacity kg	height mm	table length mm	table width mm	usable hoist mm	hoist time sec	performance kW
TO-ELS3-10-6 Ident No.: 0027107	3,000	280	1,500	1,000	1,000	27	2.30
TO-ELS3-13-10 Ident No.: 0027200	3,000	280	2,000	1,250	1,300	25	2.90
TO-ELS3-16-18 Ident No.: 0025186	3,000	350	2,500	1,600	1,600	34	2.90



with railing



bellows version



version with  
roller conveyor  
and slewing ring

low-profile lifting // up to 2,000 kg



Low-profile lifting tables from the TU and TC series

- our low-profile lifting tables feature a low profile which allows them to be used without any installation pit. They have a height between 80 and 100 mm (depending on the type) in their retracted position
- the U-shaped or E-shaped platform variants of our low-profile lifting tables are perfect when using a manual lifting truck to handle pallets

Paint

- platform and lower frame in RAL 5002 (ultramarine blue)
- scissoring and moving parts in RAL 2010 (signal orange)
- other RAL color-coded paint is available on request

lifting tables series TU	load-carrying capacity kg	height mm	table length mm	table width mm	usable hoist mm	hoist time sec	performance kW
TUB600-U Ident No.: 0027242	600	80	1,450	900	720	13	0.75
TUL1,000 Ident No.: 0027243	1,000	80	1,350	1,080	820	13	0.75
TUL2,000 Ident No.: 0027244	2,000	100	1,350	1,145	820	24	0.75



E-format

**Properties of our low-profile lifting tables:**

- 24 VDC controller and operating controls with dead man's switch
- controller with IP54 protection
- circumferential safety contact strip
- overload protection
- separate hydraulic unit is housed a plastic box
- optional accessories: Transport and lifting brackets, approach ramps, foot switch, single-phase unit, limit switch and alternative controllers



lifting tables series TC	load-carrying capacity kg	height mm	table length mm	table width mm	usable hoist mm	hoist time sec	performance kW
TCR500 Ident No.: 0027238	500	80	900	600	630	9	0.75
TCB600 Ident No.: 0027239	600	80	1,500	900	720	13	0.75
TCL1,000 Ident No.: 0029059	1,000	80	1,350	800	820	13	0.75
TCL1,000B Ident No.: 0029060	1,000	80	1,350	1,000	820	13	0.75
TCL2,000 Ident No.: 0029061	2,000	100	1,350	800	820	24	0.75
TCL2,000B Ident No.: 0029062	2,000	100	1,350	1,000	820	24	0.75

## lifting tables C-model // up to 2,000 kg



### TO-C series of lifting tables

- our TO-C series of compact lifting tables offers users the best value for their money
- our TO-C series is designed for one-shift operations with max. 20 – 30 strokes/day. The functionality of the lifting tables can be expanded by our wide range of accessories (such as pallet racks or undercarriages).

lifting tables series TO-C	load-carrying capacity kg	height mm	table length mm	table width mm	usable hoist mm	hoist time sec	performance kW
TO-CR-500 Ident No.: 0028383	500	160	900	600	600	12	0.37
TO-CL-1001 Ident No.: 0028384	1,000	180	1,200	800	820	15	0.75
TO-CL-2,000 Ident No.: 0028385	2,000	200	1,300	800	820	17	1.50
TO-CB-1,500 Ident No.: 0028386	1,500	210	1,500	800	1,000	17	1.50
TO-CB-1,500B Ident No.: 0028387	1,500	210	1,500	1,000	1,000	17	1.50

### Properties of the TO-C series:

- 24 VDC controller and operating controls with dead man's switch
- controller with IP54 protection
- circumferential safety contact strip
- overload protection

### Paint:

- platform and lower frame in RAL 5002 (ultramarine blue)
- scissoring and moving parts in RAL 2010 (signal orange)



version with  
special base frame



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# General terms and conditions of sale

## § 1 General, Scope

(1) The following General Terms and Conditions of Sale (GTCS) apply to all our business relationships with our customers (hereinafter referred to as the "Buyer"). The GTCS shall only apply if the Buyer is an entrepreneur (§ 14 German Civil Code), a legal entity under public law, or a public law special fund.

(2) The GTCS particularly apply to contracts for the sale and/or supply of movable goods (hereinafter referred to as "goods"), irrespective of whether we produce the goods ourselves or purchase these from suppliers (§§ 433, 651, German Civil Code). These GTCS shall, in their current version, apply as a framework agreement for future contracts for the sale and/or delivery of the goods with the same Buyer, without us having to refer to them again in each individual case.

(3) Our GTCS shall apply exclusively. Any deviating, contradictory, or supplementary general terms and conditions from the Buyer shall only become part of the contract when we have expressly agreed to their validity. This requirement of consent applies in any event, even if we, being aware of the Buyer's general terms and conditions, unreservedly deliver goods.

(4) Individual agreements made with the customer in the particular case (including side agreements, supplements and changes) shall always take precedence over these GTCS. A written agreement or our written confirmation is decisive for the content of such agreements.

(5) Legally relevant declarations and notifications, which are to be submitted to us by the Buyer after conclusion of the contract (e.g. settings deadlines, notifications of defects, declaration of cancellation or reduction), must be made in writing in order to be valid.

(6) Any references to the application of statutory provisions are for the purposes of clarification only.

Therefore, the statutory regulations shall also apply without such a clarification insofar as they are not directly changed or expressly excluded in the GTCS.

## § 2 Conclusion of contract

(1) Our offers are non-binding and without obligation.

This shall apply even if we have supplied the Buyer with catalogs, technical documentation (such as drawings, plans, calculations, costs and references to DIN standards), other product descriptions or documents (including in electronic form) – in which we reserve ownership and copyright.

(2) The order of goods by the Buyer shall be considered as a binding contract offer. Unless otherwise stated in the order, we shall be entitled to accept this contract offer within 5 days of its receipt.

(3) The acceptance may take place in writing (i.e. by means of a confirmation of order) or by delivering the goods to the Buyer.

## § 3 Delivery deadline and delay in delivery

(1) The delivery period shall be agreed upon individually or specified by us upon acceptance of the order.

(2) If we cannot observe binding delivery deadlines for reasons for which we are not responsible (non-availability of the service), we will inform the Buyer immediately of this and simultaneously inform the Buyer of the expected new delivery deadline. If the service is not available within the new delivery time, we are entitled to withdraw, completely or partially, from the contract. We will then immediately refund any payment made by the Buyer. The unavailability of goods or services in this sense particularly includes our suppliers failing to deliver promptly, when we have

entered into a contract of identical coverage. Our legal rights of withdrawal and cancellation and the legal provisions concerning completion of the contract when the obligation to perform is excluded (e.g. impossibility or unreasonableness of performance and/or subsequent performance) shall remain unaffected. The customer's rights of withdrawal and termination according to § 8 of these GTCS shall also remain unaffected.

(3) The event of a delay of delivery is specified according to the statutory provisions. In each case, however, a reminder is required from the Buyer. If our delivery is delayed, the Buyer is entitled to claim a lump-sum compensation for the damages caused by this delay. The lump-sum compensation shall be 0.5% of the net price (delivery value) per complete calendar week of delay, subject to a maximum of 5 % of the contract value of the goods which are delivered late. We reserve the right to prove that the Buyer has suffered no loss at all or only a substantially smaller loss than the above-mentioned lump sum.

## § 4 Delivery, transfer of risk, acceptance, delay in acceptance

(1) Delivery is from stock (ex warehouse) and this is also the place of performance. At the request and expense of the Buyer, the goods may be shipped to another destination (sale by dispatch). Unless otherwise agreed, we are entitled to determine the type of shipment (including the carrier, routing and packaging).

(2) The risk of accidental loss and accidental deterioration of the goods shall, at the latest, transfer to the Buyer upon the receipt of goods by the Buyer.

In the event of a sale by dispatch, the risk of accidental loss or deterioration of the goods transfers upon the delivery of the goods to the carrier, freight forwarder or other person or institution meant to carry out the dispatch. If an acceptance procedure has been agreed on, this is authoritative for the passing of risk.

The statutory provisions of the law on contracts for services shall apply correspondingly in other respects to an agreed acceptance. It is deemed equivalent to the handover or acceptance when the Buyer is in default with the acceptance.

(3) If the Buyer is in default of acceptance, or if he fails to provide an act of assistance, or if our delivery is delayed for other reason attributable to the Buyer, then we are entitled to compensation for the resulting damage, including additional expenses (such as storage costs). The amount of damage compensation shall depend on the value of the delivery and the space requirements of the goods. The damage compensation is calculated per calendar day, beginning with the delivery deadline, or – in the absence of a delivery deadline – beginning with the notification of readiness for dispatch of the goods. It shall be communicated to the Buyer in writing in the event of delay in acceptance. Proof of a higher damage and our legal claims (especially compensation for additional expenses, reasonable compensation, and termination) shall remain unaffected; the lump sum, however, shall be offset against further monetary claims.

The Buyer reserves the right to prove that we did not suffer any damages or only a substantially smaller loss than the above-mentioned lump sum.

## § 5 Prices and payment conditions

(1) Unless otherwise agreed for specific cases, our prices current at the time of close of contract (ex warehouse plus the legal VAT) shall apply.

(2) In the event of a sale by dispatch (§ 4 Section 1), the Buyer shall pay the cost of transportation from the warehouse and the cost of any trans-

portation insurance that has been requested by the Buyer. Any duties, fees, taxes and other public charges shall be paid by the Buyer. We will not take back the transport packaging (except for pallets) and all other packaging according to the German Packaging Ordinance; they shall become the property of the Buyer.

(3) The purchase price shall be due and paid within the time period specified on the order confirmation, and is valid from the invoicing and delivery or acceptance of the goods. (4) The Buyer shall be in default upon expiration of the above-mentioned payment deadline. During a payment delay, the applicable statutory default interest rate shall be added to the purchase price. We reserve the right to claim further damages related to delays. Our claim for commercial maturity interest (§ 353, German Commercial Code) against merchants remains unaffected.

(5) The Buyer is only entitled to offset or to exercise any rights of lien or retention to the extent that his claim can be ascertained as legally valid or undisputed. In the event of defects of the delivery, § 7 Section 6 shall remain unaffected.

(6) If, after conclusion of the contract, it becomes apparent that our claim for the purchase price is endangered due to the Buyer's ability to pay (e.g. by an application to open insolvency proceedings), then we shall be entitled in accordance with the provisions of law to refuse to perform and – if necessary after fixing a time limit – to withdraw from the contract (§ 321, German Civil Code). In the case of contracts for the manufacture of non-fungible goods (custom-built products), we may withdraw immediately; this shall not affect the legal provisions regarding the expensability of setting a deadline.

## § 6 Retention of title

(1) We reserve the right to the property of the sold goods until the full payment of all of our current and future claims from the purchase contract the ongoing business relationship (secured claims) is made.

(2) The goods subject to retention of title may neither be pledged to third parties, nor assigned as collateral before the full payment of the secured claims is made.

The Buyer must notify us immediately in writing if and when access by third parties is made to the goods belonging to us.

(3) If the Buyer acts in breach of contract, particularly in the event of default in payment for the purchase price due, then we shall be entitled under the statutory regulations to withdraw from the contract and to demand the goods on the basis of retention of title. If the Buyer does not pay the purchase price due, we may assert these rights only if we have first set the Buyer an appropriate deadline for payment that has not been met or such a time limit in accordance with statutory provisions is unnecessary.

(4) The Buyer is entitled to resell and/or process the goods subject to retention of title in the ordinary course of business. In this case, the following provisions shall also apply.

(a) The retention of title extends to any and all products resulting from the processing, intermingling or joining of our goods at their full value, whereby we shall be considered as the manufacturer. In case of processing, mixing or combining our goods with products of a third party, then we shall acquire co-ownership of the mixed/combined goods at a rate of the invoiced value. Otherwise, the same applies to the resulting product as applies to the goods delivered under retention of title.

(b) The Buyer hereby now and immediately assigns the claims against third parties, which arise from the resale of the goods or products, equal

to the amount of our approximate share of joint ownership pursuant to the aforementioned clause as security. We accept the assigning act of transfer. The obligations of the Buyer, as stated in Section 2, shall also apply in view of the assigned claims.

(c) The Buyer shall remain authorised to collect the claim in addition to us. We undertake not to collect the claim as long as the Buyer meets his payment obligations towards us, is not in default of payment, no application has been filed for the opening of insolvency proceedings and there is no other deficiency affecting his ability to pay. However, if this is the case we can request that the Buyer informs us of the assigned claims and their debtors, provides all information which is necessary for the collection, hands over the relevant documents and informs the debtors (third parties) of the assignment.

If the realizable value of the collateral items exceeds our claims by more than 10%, we shall, upon request of the Buyer, release collateral items of our choice.

### **§ 7 Warranty claims by the Buyer**

(1) The statutory regulations shall apply to the rights of the Buyer in case of defects of quality and title (including false delivery, shortfall in delivery as well as improper assembly or faulty assembly instructions), insofar as not otherwise determined below.

The special statutory provisions in the final delivery of the goods to a consumer remain unaffected in all cases (supplier has recourse according to § § 478, 479, German Civil Code).

(2) The primary basis of our liability for defects shall be the agreement made concerning the quality of the goods. All product descriptions which are subject matter of the Terms and Conditions are considered as an agreement about the quality and nature of the goods, irrespective of whether the product description originates from the Customer order, from the manufacturer or from us.

(3) If the condition and quality has not been agreed, the statutory provisions must be applied to assess whether there is a defect or not (§ 434 Section 1 p 2 and 3, German Civil Code). We shall not be held liable, however, for any public statements by the manufacturer or other third parties (e.g. from advertisements).

(4) The warranty claims of the Buyer assume that he has complied with his statutory notification obligations (§ § 377, 381, German Commercial Code). In the event that a defect is revealed during the inspection or at a later date, we must be notified in writing without delay. The notification is deemed as immediate if it is made within two weeks, whereby the timely dispatch of the notification will suffice. Irrespective of this obligation for inspection and reporting of complaints, the Buyer must report in writing of obvious defects (including false delivery and shortfall in delivery) within two weeks after delivery. Here also the timely dispatch of the notification will suffice. If the Buyer fails to carry out the proper inspection and/or report of defects, then our liability for the defect which was not reported is excluded.

(5) In the case that the delivered item is faulty, then the Buyer may demand either repair of the fault (rectification) or delivery of a non-defective item (replacement). Should the Buyer fail to state which of these two rights he requires, then we reserve the right to set a fair time limit for this. If the Buyer does not make a choice within this time limit, the right of choice transfers to us.

(6) We are entitled to make the owed subsequent performance dependent on the fact that the Buyer pays the purchase price due. The Buyer is, however, entitled to retain a part of the purchase

price which is reasonable in the ratio to the defect.

(7) The Buyer shall allow us the necessary time and opportunity for due subsequent performance and shall, in particular, hand over the goods for testing purposes. In the event of a replacement delivery, the Buyer must return the faulty object to us according to statutory regulations.

(8) We will bear the expenses for inspection and supplementary performance, especially the transport, travel, work and material costs when a defect actually exists. If, however, a claim for remedy of defect from the Buyer turns out to be unjustified, we shall claim the costs resulting from this to be refunded by the Buyer.

(9) In urgent cases, such as danger to operational safety or in order to prevent excessive damage, the Buyer has the right to remedy the defect himself and the demand reimbursement of the necessary expenses for these efforts. We must be informed about these activities as soon as possible, if possible prior to the repair. The right to self-action does not exist if, according to legal stipulations, we would have been entitled to refuse supplementary performance.

(10) If the subsequent performance has failed or a reasonable deadline which is to be set by the Buyer for the subsequent performance has expired, or it is unnecessary according to the statutory regulations, the Buyer can cancel the purchase contract or reduce the purchase price. This right of withdrawal does not exist in regards to an insignificant defect.

(11) The Buyer's claims for damages or compensation of fruitless expenses shall only exist according to § 8 and are incidentally excluded.

### **§ 8 Other Liability**

(1) Unless provided otherwise in these Terms and Conditions, including the following stipulations, we shall be liable, in accordance with the relevant statutory provisions, in the case of a breach of contractual or non-contractual duties

(2) We shall be liable for damages – no matter what the legal grounds – in the event of intent and gross negligence. In case of simple negligence, we shall only be liable for:

- a) damages arising from health damages or bodily injuries

- b) damages from the breach of an essential contractual duty (obligation, the satisfaction of which makes the proper execution of the contract possible and on whose observance the contractual partner regularly relies and may rely); in this case our liability is, however, limited to the reimbursement for foreseeable, typically occurring damages

(3) The limitations of the liability stated in Section 2 do not apply to the extent that we have fraudulently concealed a defect or have accepted a guarantee for the nature of the goods. The same applies to claims by the Buyer pursuant to the Product Liability Act.

4) The Buyer can only withdraw or terminate because of a breach of duty which is not a defect when we are responsible for the breach of duty. A right of termination of the Buyer (in particular according to § § 651, 649, German Civil Code) is excluded. Otherwise the statutory requirements and legal consequences shall apply.

### **§ 9 Limitations**

(1) Notwithstanding § 438 Section 1 No. 3 German Civil Code, the general limitation period for claims arising from defects of quality and title is one year after delivery. If acceptance has been agreed, the period of limitation begins with this acceptance.

(2) However, if the goods are a building or an object which has been used as a building in ac-

cordance with its normal use and which caused its defectiveness (the building material), then the limitation period is 5 years after delivery in accordance with German civil code (§ 438 Section 1 No. 2). The legal special regulations shall remain unaffected for claims for return based upon a property right of a third person (§ 438 Section 1 No. 1 German Civil Code), with fraudulent intent by the seller (§ 438 Section 3, German Civil Code) and claims for Suppliers' recourse for delivery to the consumer (§ 479 German Civil Code).

(3) The above-mentioned limitation on the sales period shall also apply to contractual and non-contractual claims for damages from the Buyer, when they are based on a defect in the goods, unless the application of the regular statute of limitations (§§ 195, 199, German Civil Code) would result in a shorter limitation period in the individual case. The limitation of the Product Liability Act shall remain unaffected in any case. Otherwise, only the statutory limitation period, according to § 8, is applicable to the Buyer's claims for damages.

### **§ 10 Applicable law and place of jurisdiction**

(1) These Terms and Conditions and all legal relationships between ourselves and the Buyer shall be governed by the laws of the Federal Republic of Germany, with the exclusion of all international (contractual) legal systems, in particular the UN law on sales. The requirements and effects of the reservation of title, according to § 6, are, however, subject to the law valid in the corresponding storage location of the object when, under said law, a choice of law made in favour of German law is not permitted or is void.

(2) If the Buyer is a merchant within the meaning of the German Commercial Code, legal entity under public law or a public special fund, then the exclusive (also international) place of jurisdiction for all disputes arising from the contractual relationship, directly or indirectly, is our headquarters in Bielefeld, Germany. However, we are also entitled to bring an action at the general legal venue of the Buyer.

Status: June 2013



General terms and conditions of sale for online download

# Torwegge Group terms and conditions for private consumers

## § 1 Scope of application

The following General Terms and Conditions (Consumer GTC) apply to business affairs when a sale is being made to the consumer as specified by § 13 of the German Civil Code. A consumer is any natural person who enters into a legal transaction for a purpose which is neither of commercial nor independent vocational interest.

Contracts pertaining to these Consumer GTC shall be made with the Heinrich Torwegge GmbH & Co.KG (local court Bielefeld HRA No. 10054), as represented by the general partner Torwegge Verwaltungs GmbH (local court Bielefeld HRB No. 33532), as represented by the Managing Director, Ingrid Langenscheidt and Wilfried Schröder, Oldermanns Hof 6, 33719 Bielefeld, Germany. Tel.: +49 521-934170, Fax: +49 521-9341710, E-mail: info@torwegge.de.

## § 2 Conclusion of contract

All offers for delivery of goods on the web site [www.torwegge.de](http://www.torwegge.de) or in catalogs represent only a request for quotation by the customer. The contract with us is created when we accept the customer's offer in writing, but no later than upon delivery of the goods. If an order confirmation has been sent previously, this does not constitute acceptance of the offer. We will accept the offer from the customer unless the ordered goods or services are not available. The customer shall be informed whenever we are not able to accept the customer's offer.

## § 3 Prices and payment conditions

The prices are in euro; they include VAT and other price components. The shipping costs depend on the amount of goods ordered, the shipping location and the type of shipping. Costs shall be clearly communicated to the customer before making a binding order. The purchase price, including shipping costs, shall be due at the conclusion of the contract. Deliveries are usually made within 5 days, unless expressly stated otherwise.

## § 4 Retention of title

The delivered goods remain our property until payment of the purchase price is made.

## § 5 Offset charges

The customer is only entitled to offset charges when the customer's counter-claims have been legally established, are undisputed or acknowledged by us. The customer is only entitled to rights of retention when they are based on the same contractual relationship.

## § 6 Costs of return shipments

If, for a distance sales contract, the customer chooses to exercise his statutory right of withdrawal, as described in § 7, he is obliged to bear the cost of returning the goods when the delivered goods correspond to the order and when the price of the returned goods does not exceed an amount of € 40.00, or, when the price is higher, the customer has not, at the time of cancellation, made the payment or a contractually agreed partial payment. Otherwise the return shipment shall be free of charge for the customer.

## § 7 Right of revocation

Conditions of cancellation or revocation

You can cancel your contract in writing (e.g. letter, fax, e-mail) within 14 days without stating a reason, or by sending the goods back before the deadline has expired. The withdrawal period starts when this information is received in writing for the delivery of goods, but not prior to the receipt of the goods by the consignee (where similar goods are delivered on a recurring basis, then not before receipt of the first partial delivery), not before the close of contract when services are rendered, upon delivery of goods and services and also not prior to performance of our duties of disclosure pursuant to

Article 246 § 2 in conjunction with § 1 paragraphs 1 and 2 of the introductory German Civil Code, as well as our duties pursuant to § 312e, paragraph 1, sentence 1 of the German Civil Code in conjunction with Article 246 § 3 of the introductory German Civil Code.

The timely dispatch of the revocation of the goods shall be deemed sufficient for compliance with the revocation term.

The revocation must be sent to:

Wheels Torwegge Heinrich Torwegge GmbH & Co.KG  
Oldermanns Hof 6, 33719 Bielefeld, Germany  
E-mail: [info@torwegge.de](mailto:info@torwegge.de)  
Fax: +49 521-93417-0

Use the following address when returning goods:

Wheels Torwegge Heinrich Torwegge GmbH & Co.KG  
Oldermanns Hof 6, 33719 Bielefeld, Germany

## Consequences of revocation

In the event of a valid revocation, the payments or goods received by both parties must be returned and any benefits received (such as interest) must also be returned. In the case of services performed, this may still require you to meet your payment obligations for the period until the revocation was made. If you are unable to return the received benefits in their entirety or partially, or only in a diminished state, you shall be obliged to pay us compensation for the value lost. In the event of a diminished condition or derived benefits, you shall only be obliged to compensate for lost value when the uses or deterioration is due to your own handling, beyond any basic examination of properties and functioning. The term "examination of the properties and functioning" refers to the processes of testing and trying out the goods, as is possible and customary in a retail store.

Transportable items shall be returned at our risk. You shall bear the cost of returning the goods if the delivered goods correspond to the order and if the price of the returned items do not exceed an amount of € 40, or, when the price is higher, you have not, at the time of cancellation, made the payment or a contractually agreed partial payment. Otherwise you shall not be obliged to pay for the return. You shall pick up any items which cannot be shipped. Obligations to reimburse payments must be fulfilled within 30 days. This deadline period begins for you when you send your revocation/cancellation or when we receive the items.

## Special note

Your right of revocation shall expire prematurely if the agreement, at your express request, has been executed in full by both parties prior to your exercising your right of revocation.

End of the cancellation/revocation conditions.

Status: May 2013

**Note:** Price changes, design changes and color variations are reserved and not for complaint. The liability for printing mistakes is excluded. Pictures and drawings are partly similar.



