



CONVEYOR TECHNOLOGY

product // **theme**

Conveyor systems – We increase your success!

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448

Carrier rollers

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Roller conveyors

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Belt conveyor

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Roller tracks

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Pull-out extension

NEW

668

Ball transfer

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Slewing rings and rotary joints

688

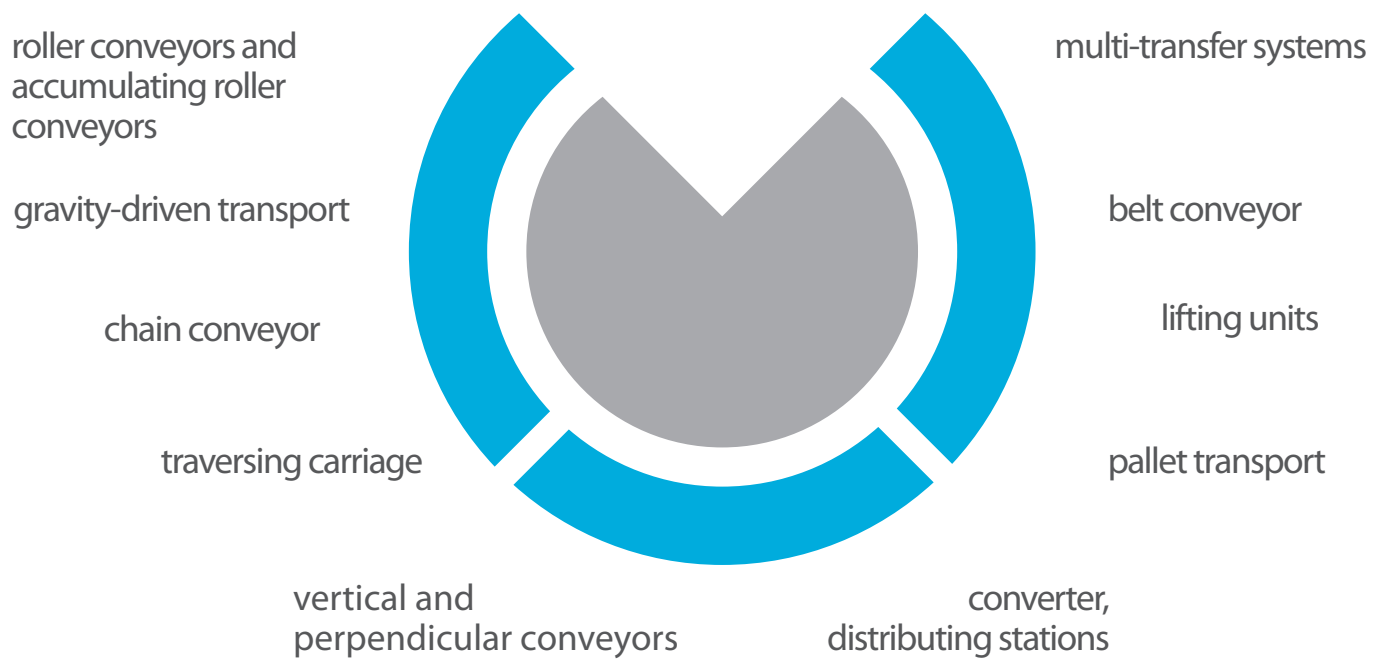
Lifting tables

698



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Give us a call for more advice on planning your personal facility.



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.



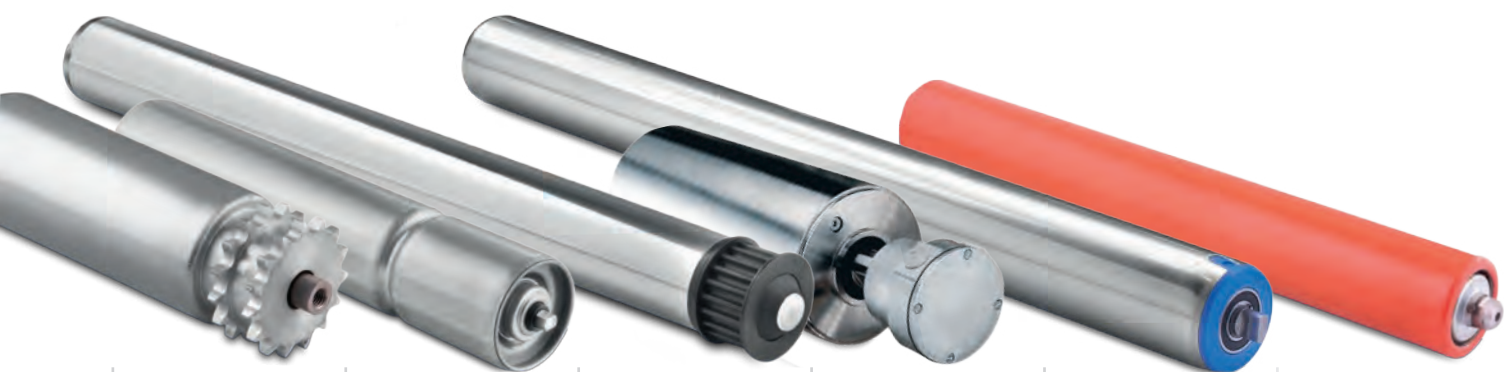
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CARRIER ROLLERS



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

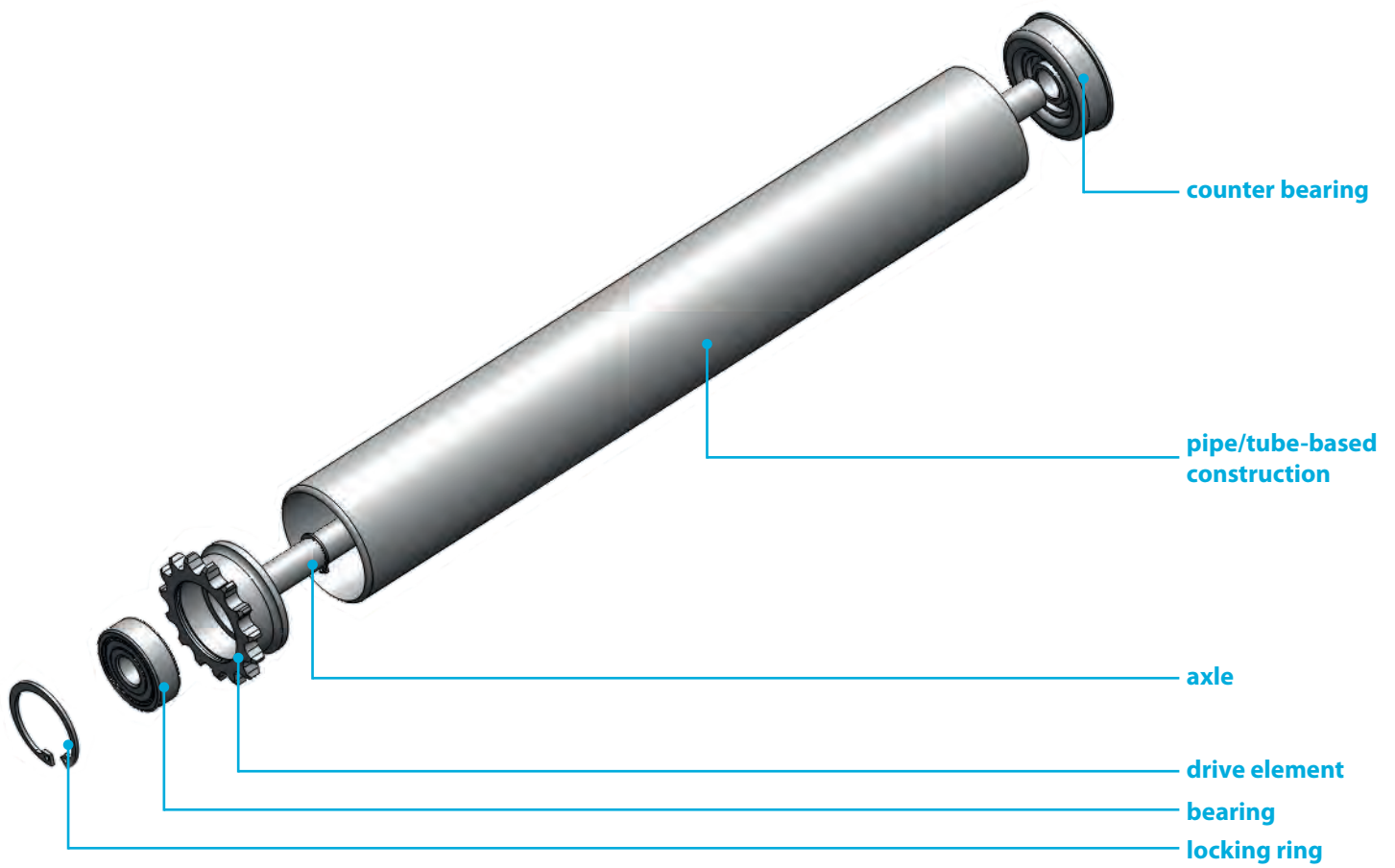
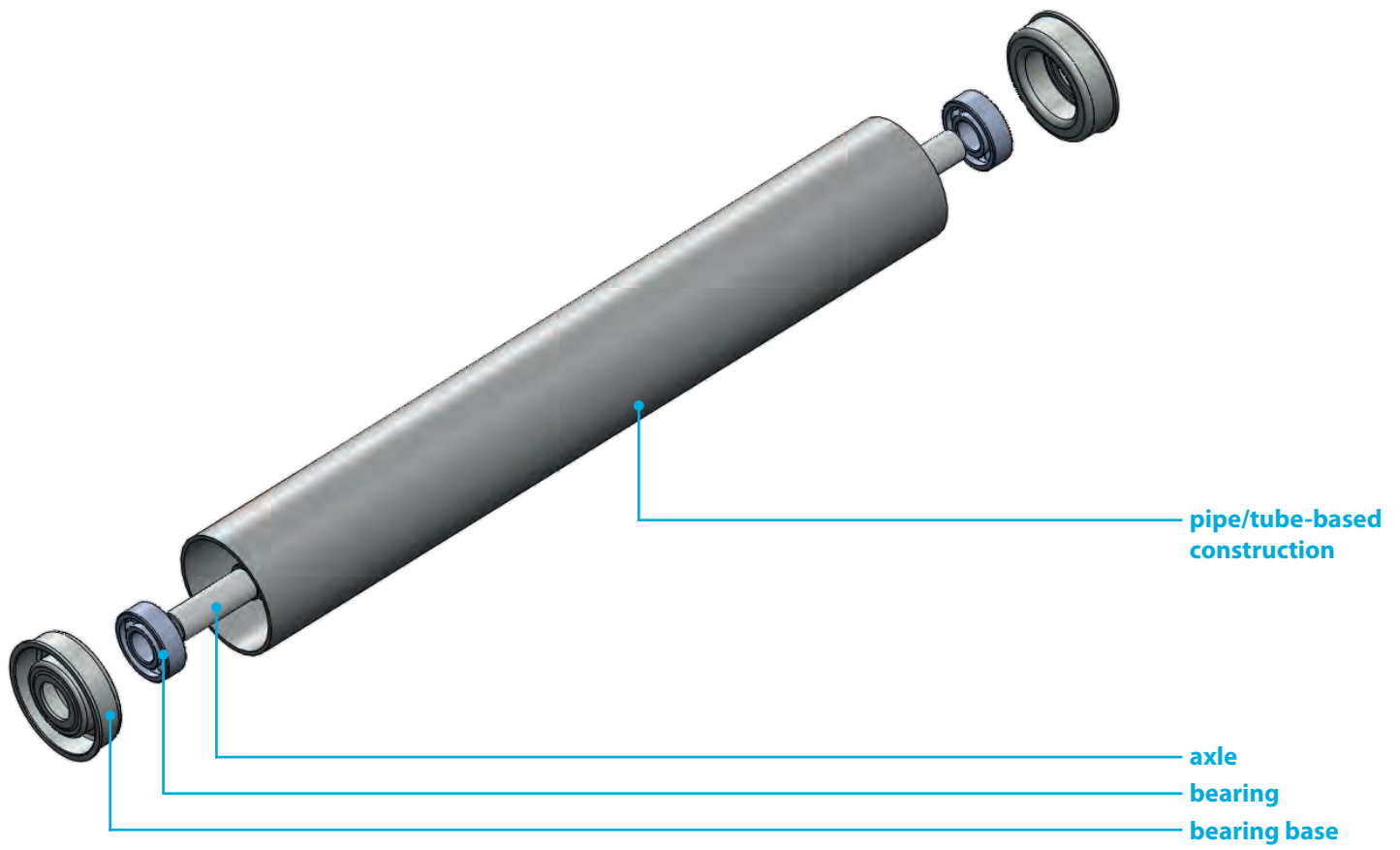


"We custom manufacture our carrier rollers for your applications"



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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:

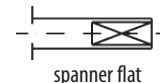
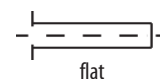
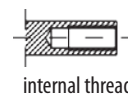
- 🔹 description of application
- 🔹 goods being conveyed (l x w x h)
- 🔹 weight (distributed load, point load)
- 🔹 environmental factors (e.g. humidity, temperature, dust)
- 🔹 gravity-driven or power-driven carrier roller
- 🔹 conveying velocity
- 🔹 electrostatic charge

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.

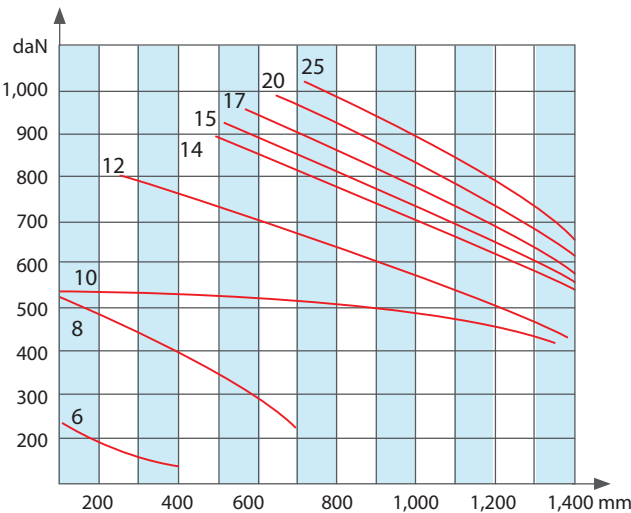
In addition: You should take into account that a static charge on the rollers can occur when non-electrically conductive bearing bases are used. This could then lead to a discharge spark between the roller and the frame.

Maximum permissible static surface load on the tubes

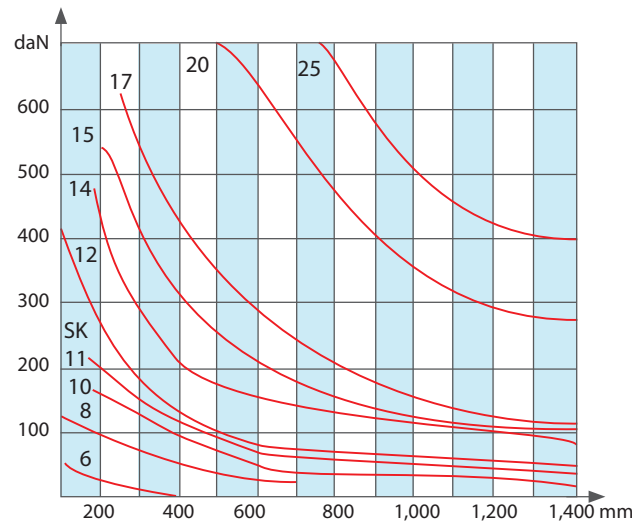
The design of a carrier roller is determined by three components: the bearing insert, the tube and the axle. The load capacity depends on the load limit of the particular component. The weakest component thus defines the load-carrying capacity.

Static load on the axles

with clamped support

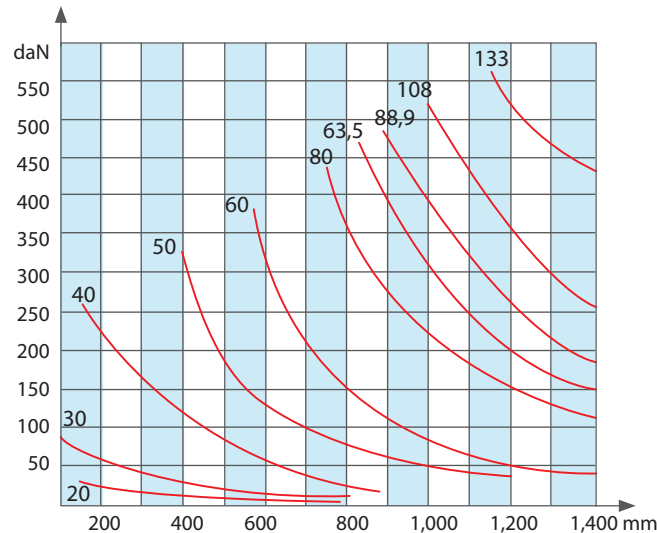


with loose support

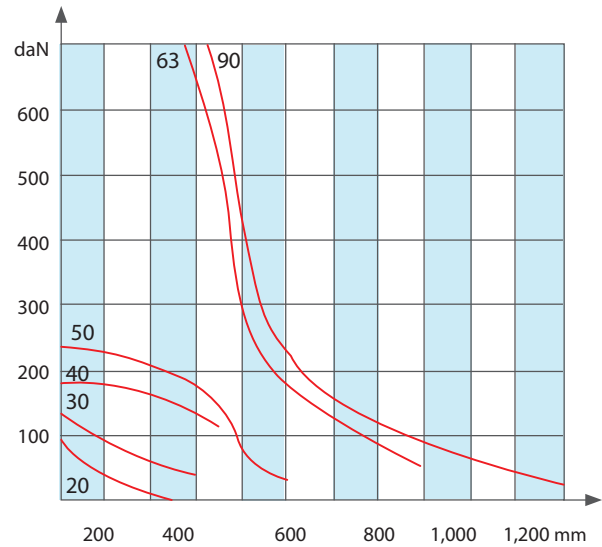


Static surface load of the tubes

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

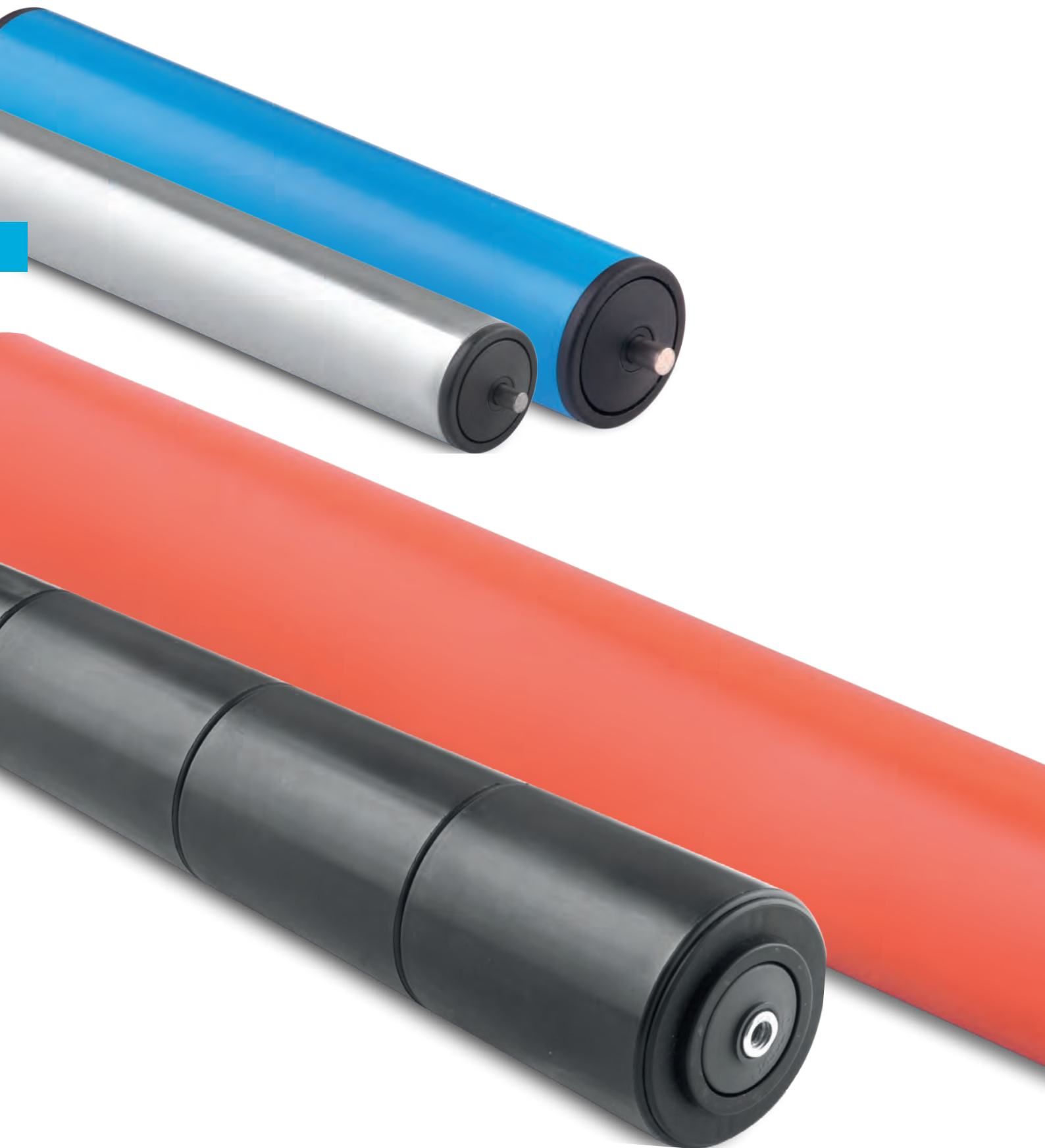
PUR-RIM (polyurethane, trade name: Büficast 83 – 51, Oldorim)

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

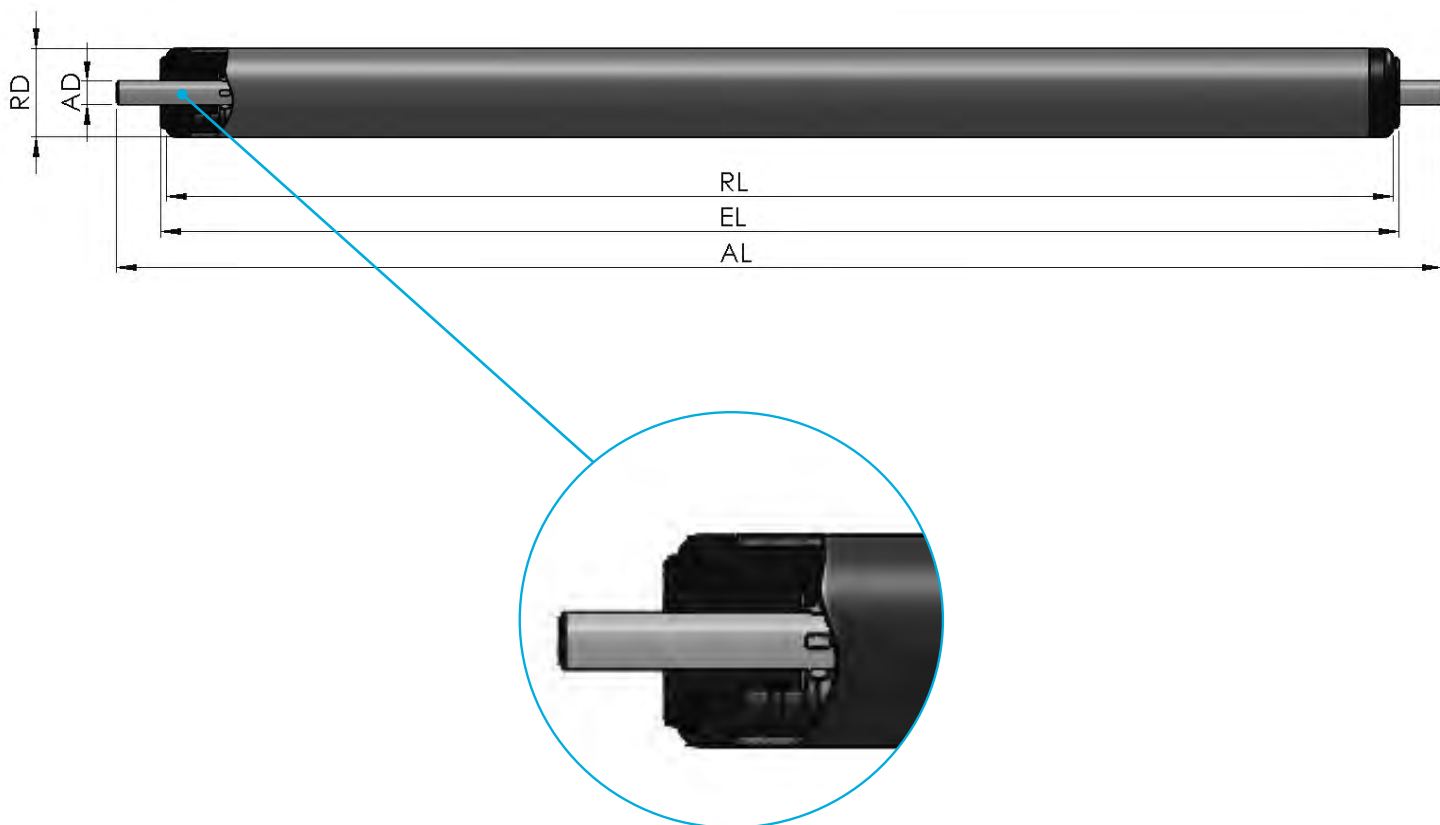
- automotive industry
- food industry
- logistics
- storage/warehouses
- furniture industry
- machine and plant engineering
- assembly lines
- conveyor belts
- indoor or outdoor; dry or wet applications
- and much more



"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)

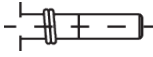
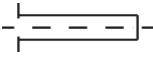
Optional:

- 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

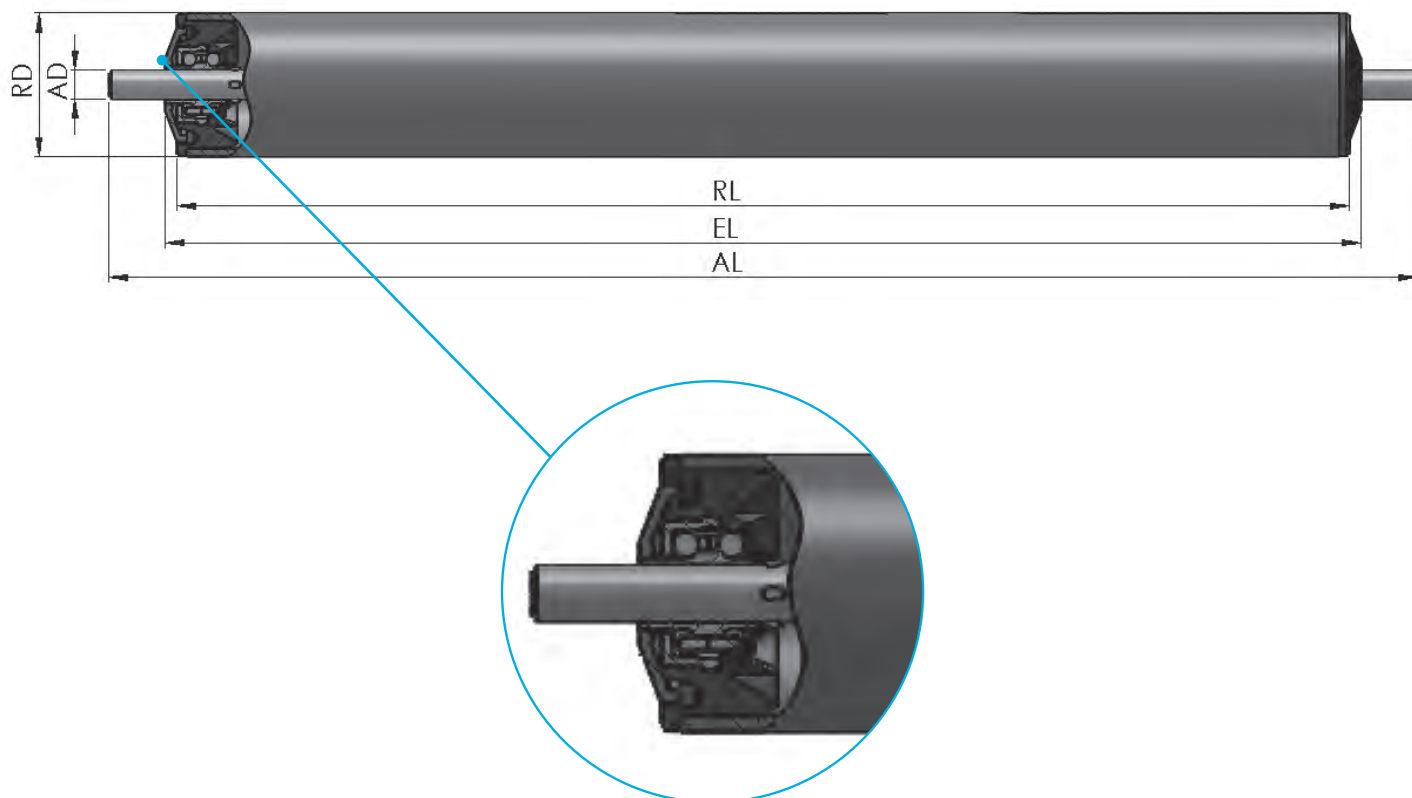


"The axle length and installation length change depending on the type of axle end finishing"

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

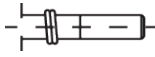
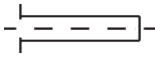
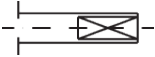


"Standard carrier rollers are available directly from stock – see page 112"

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

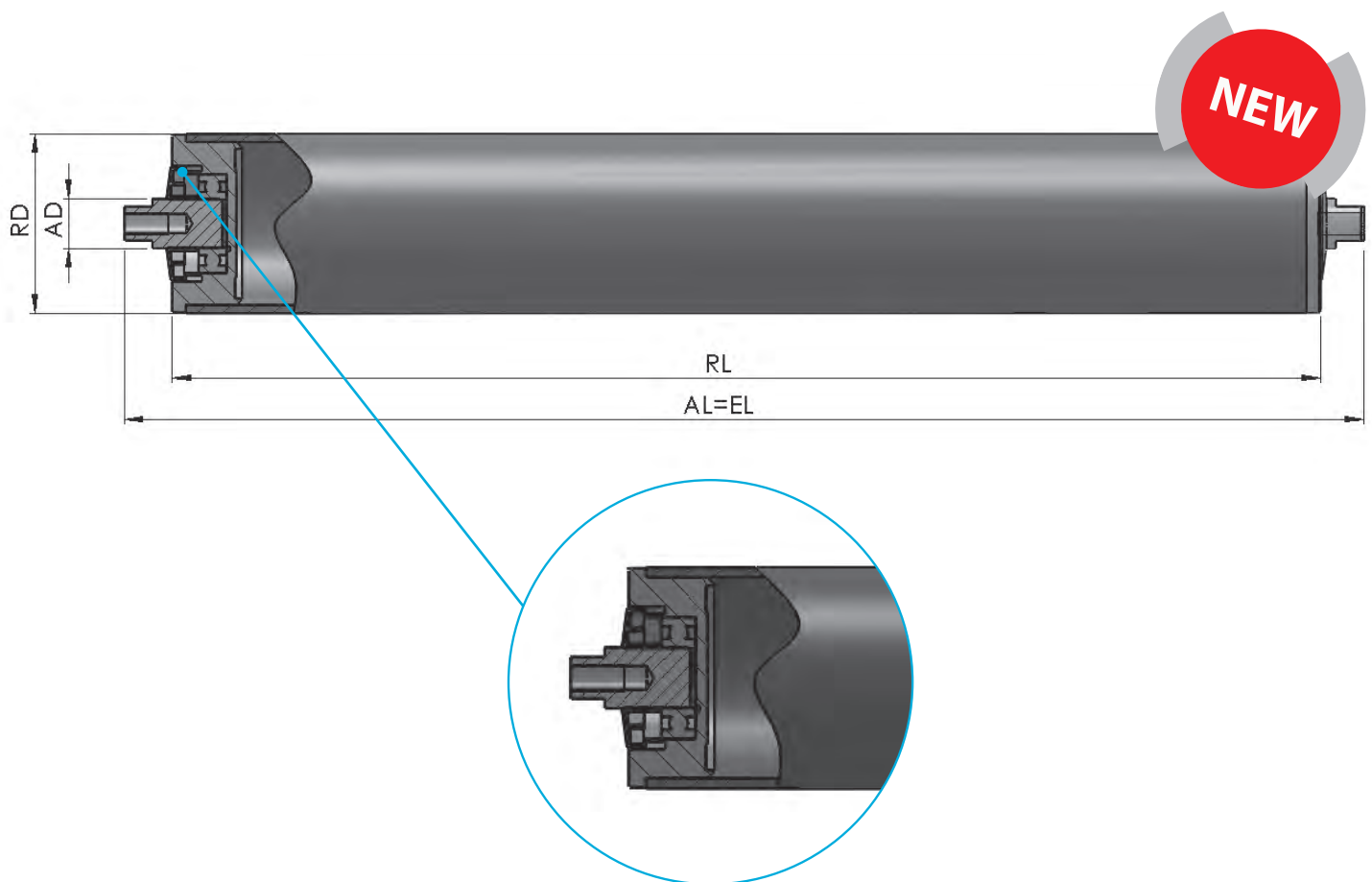


"The axle length and installation length change depending on the type of axle end finishing"

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)

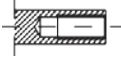
Optional:

- 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

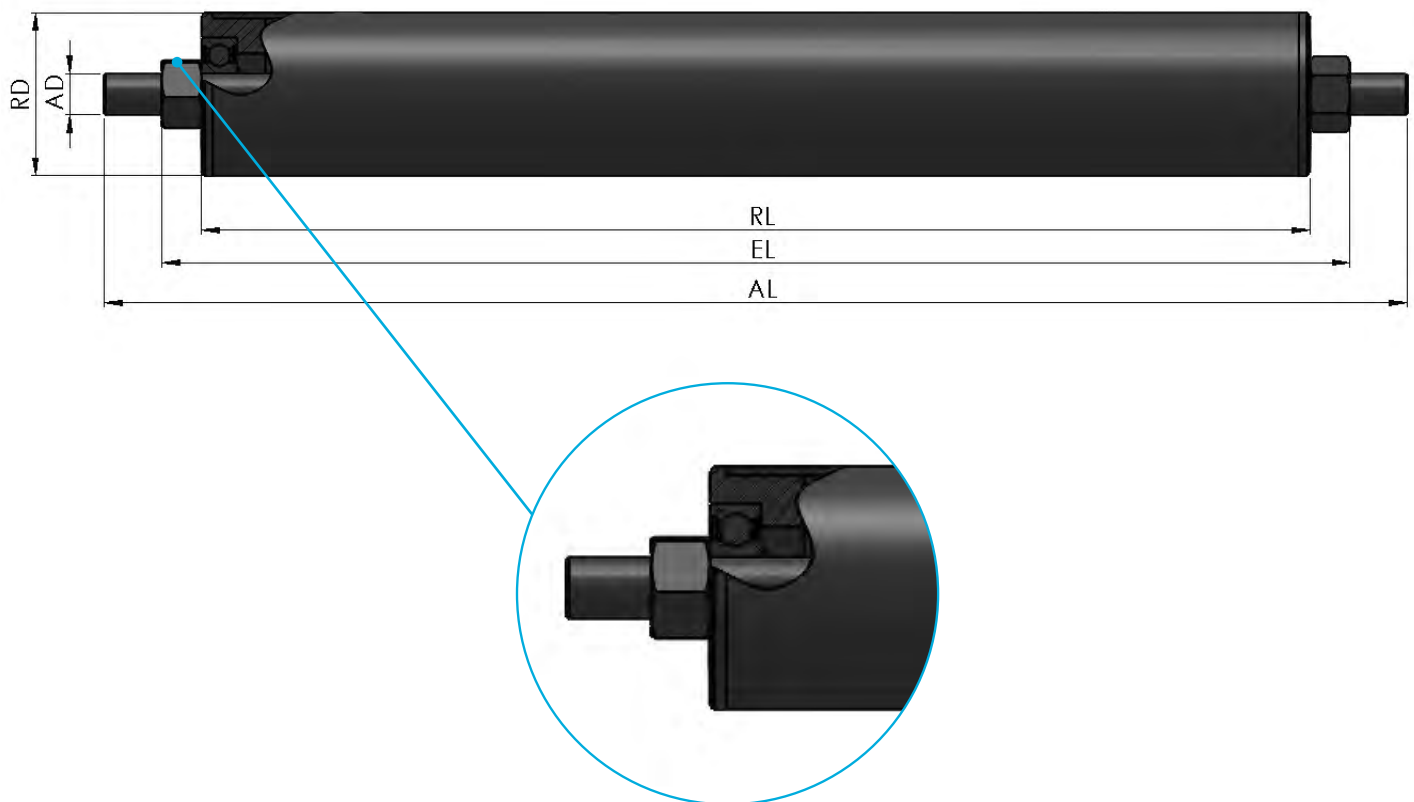


“The axle length and installation length change depending on the type of axle end finishing”

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

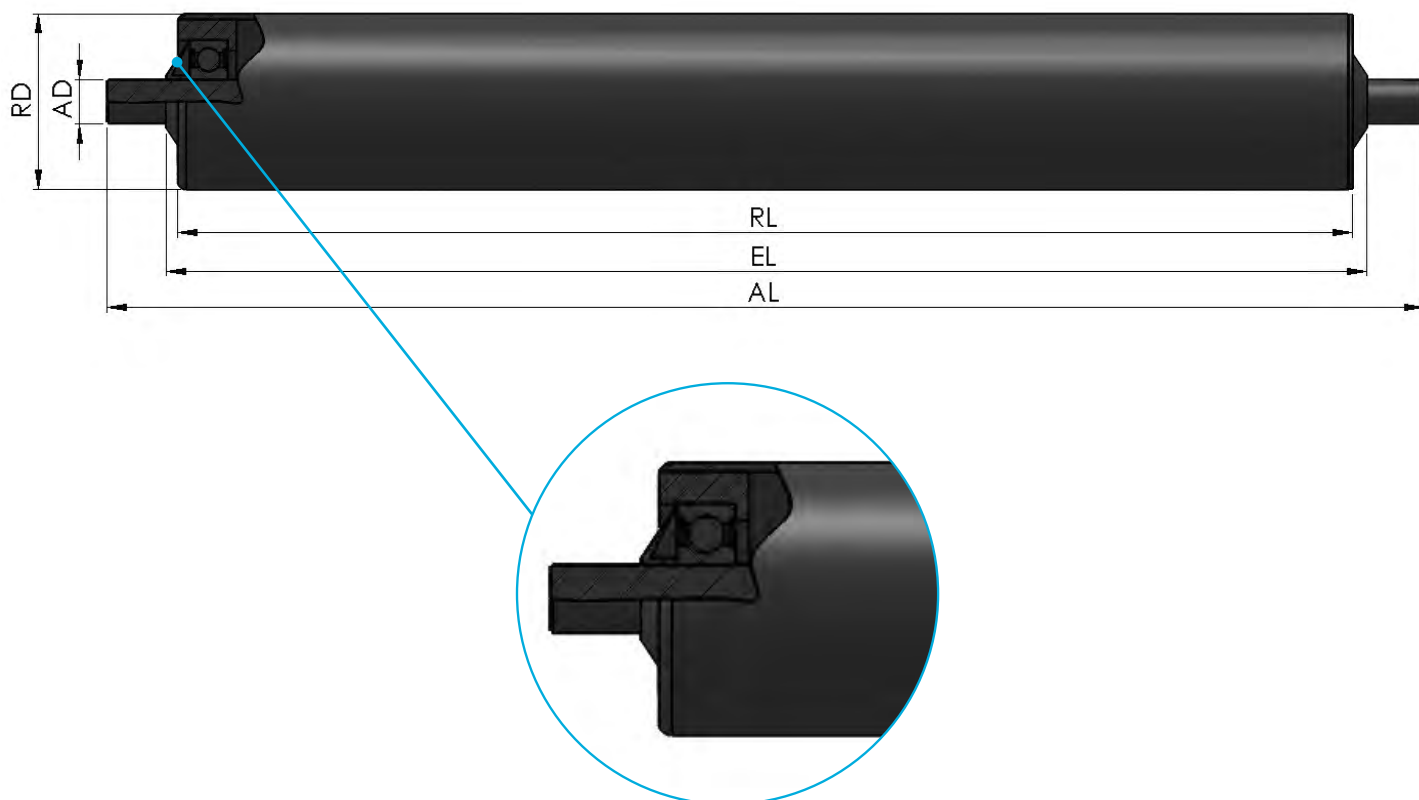


“The axle length and installation length change depending on the type of axle end finishing”

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)

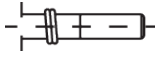
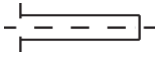
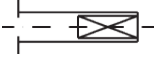
Optional:

- 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

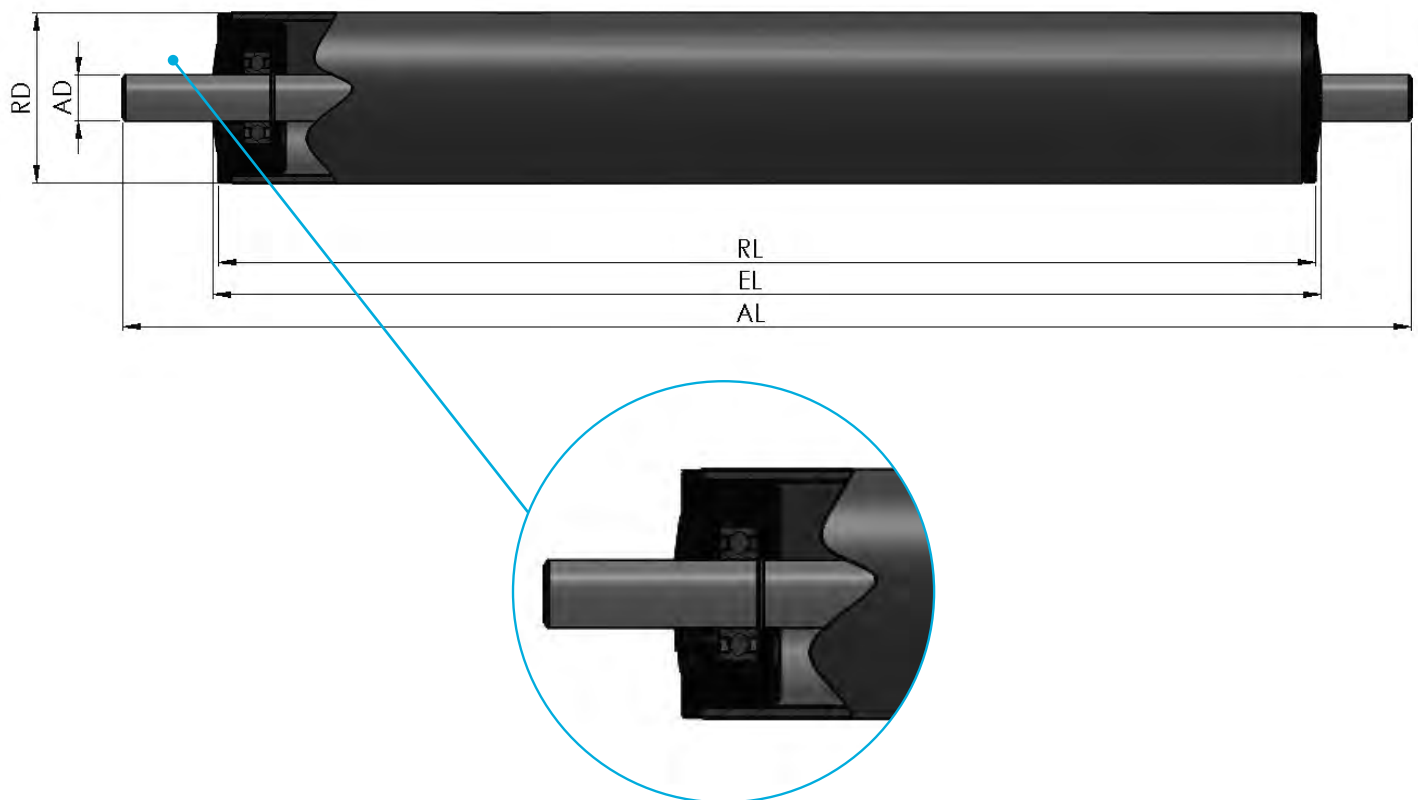


"The axle length and installation length change depending on the type of axle end finishing"

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)

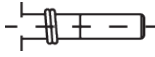
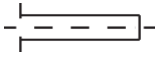
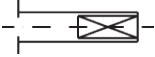
Optional:

- 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

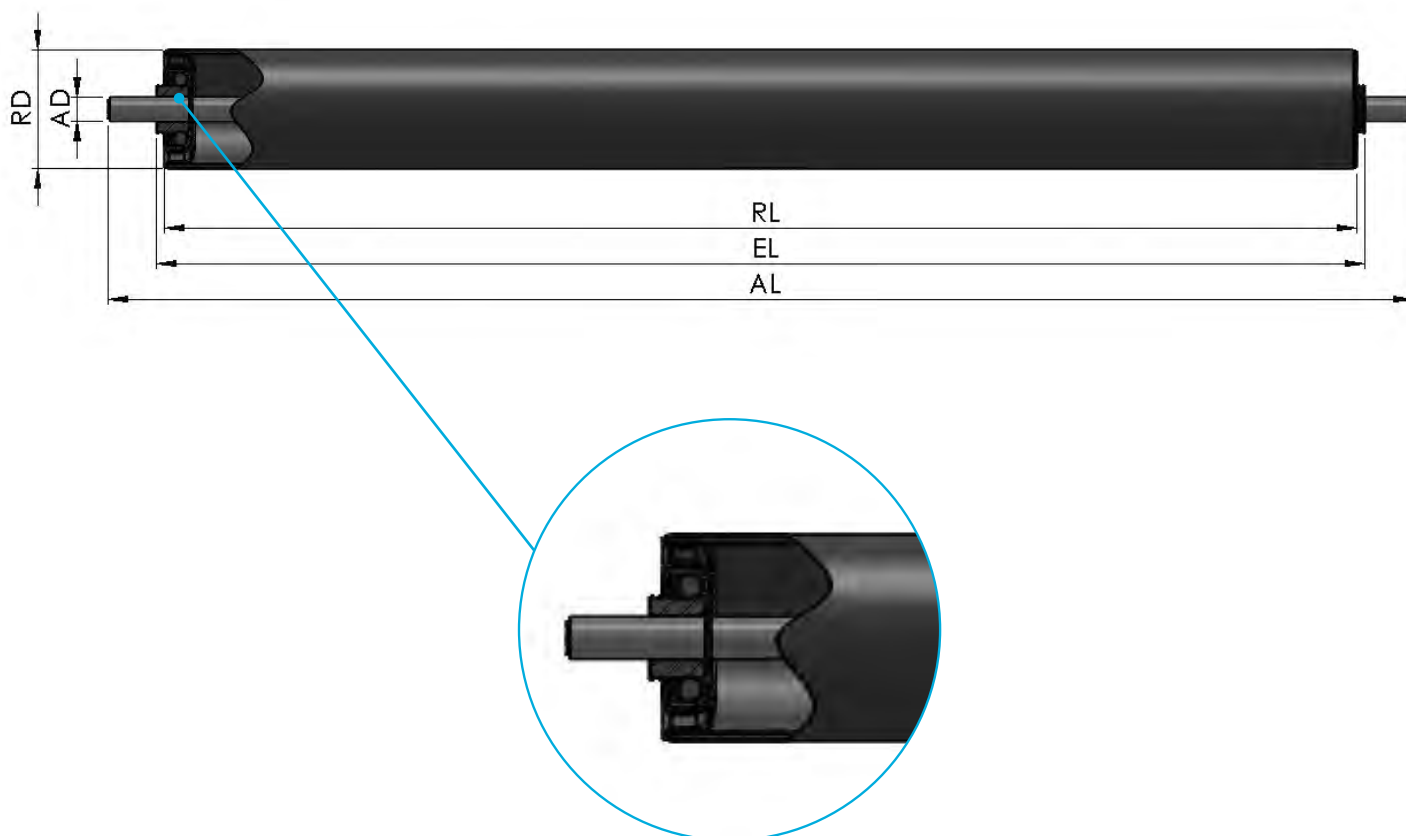


"The axle length and installation length change depending on the type of axle end finishing"

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

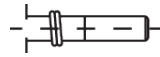
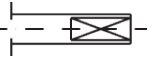


“Standard carrier rollers are available directly from stock – see page 113”

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

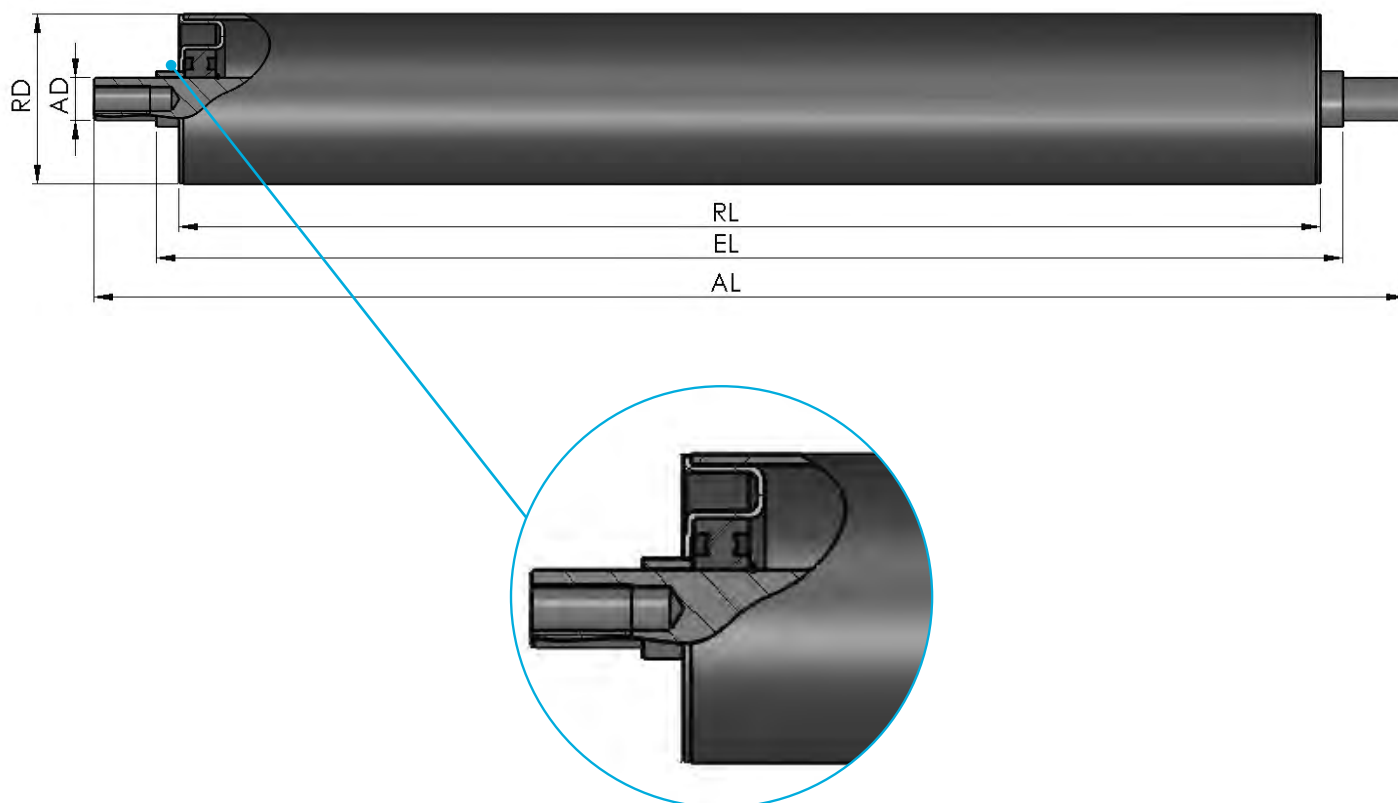


"The axle length and installation length change depending on the type of axle end finishing"

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)

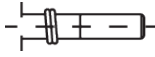
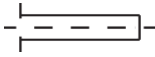
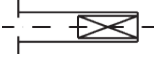
Optional:

- 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

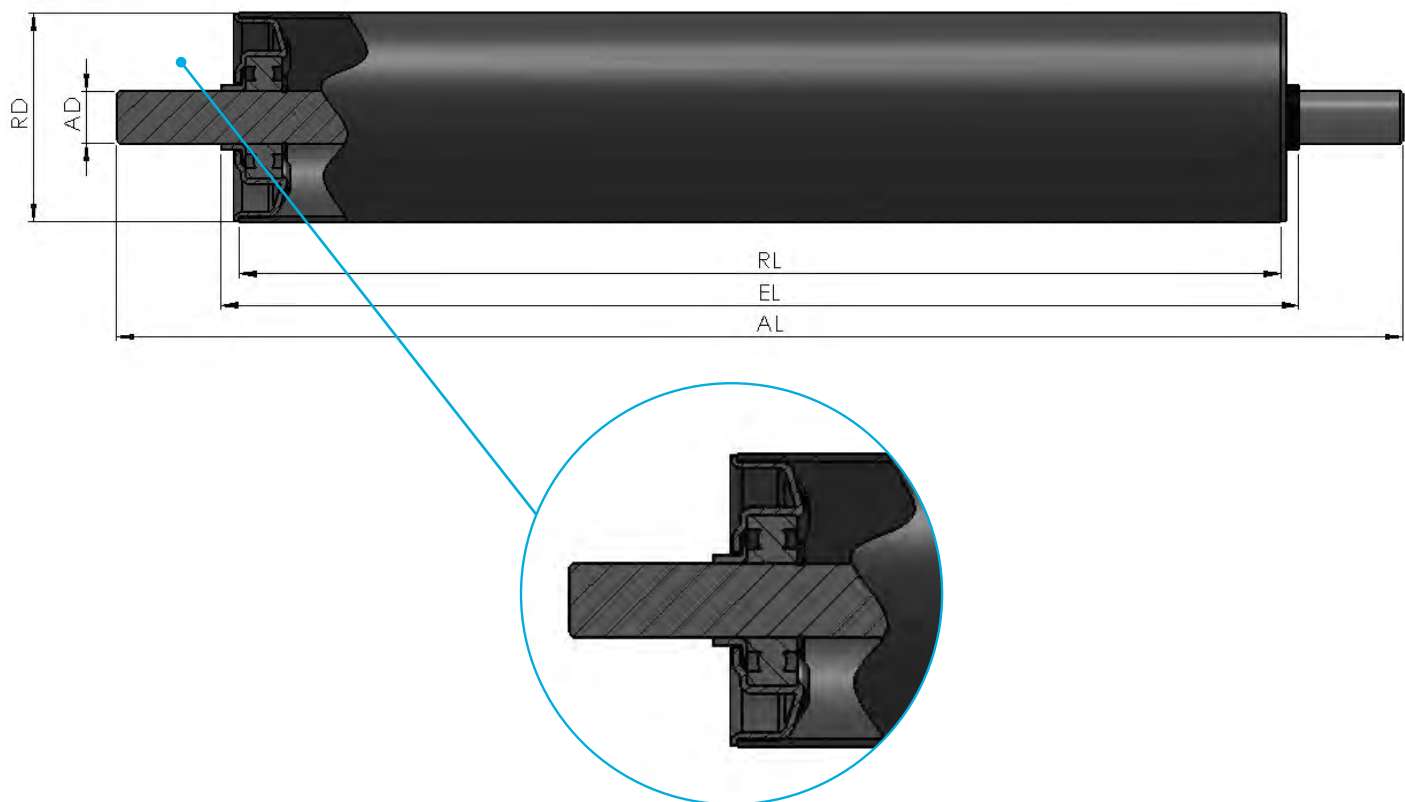


"The axle length and installation length change depending on the type of axle end finishing"

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)

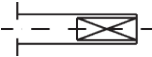
Optional:

- 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

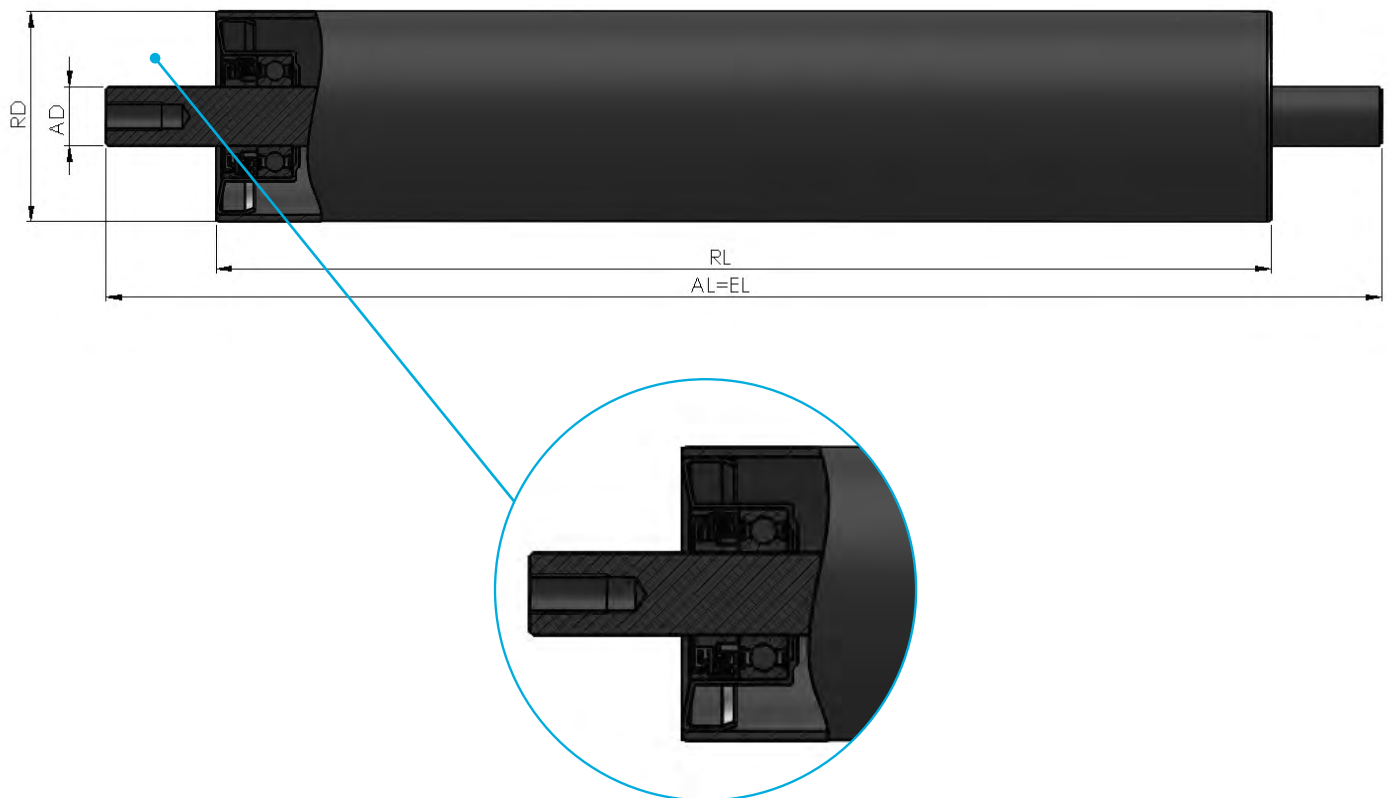


"The axle length and installation length change depending on the type of axle end finishing"

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

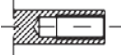
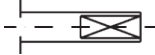


"Standard carrier rollers are available directly from stock – see page 114"

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

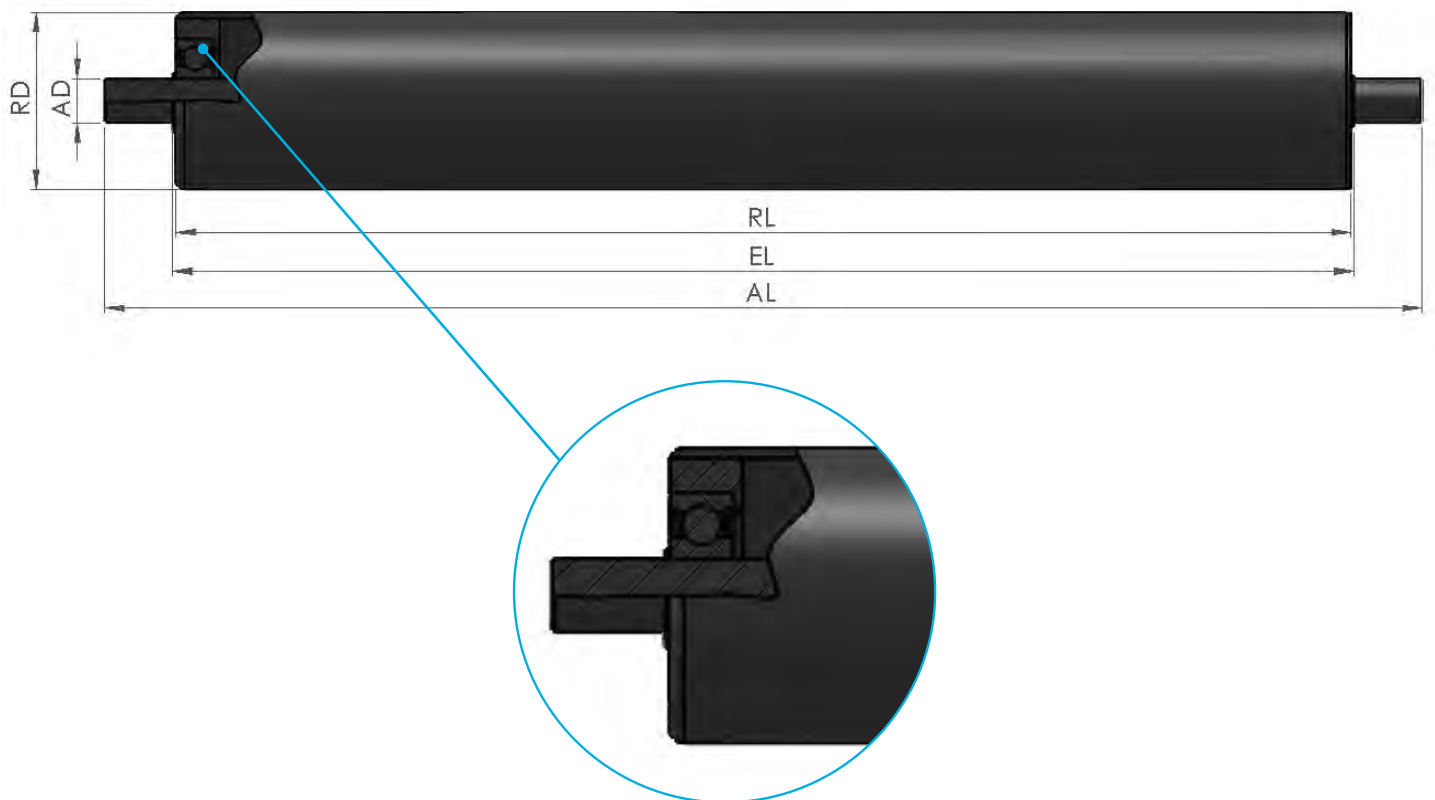


"The axle length and installation length change depending on the type of axle end finishing"

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)

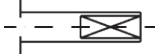
Optional:

- 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

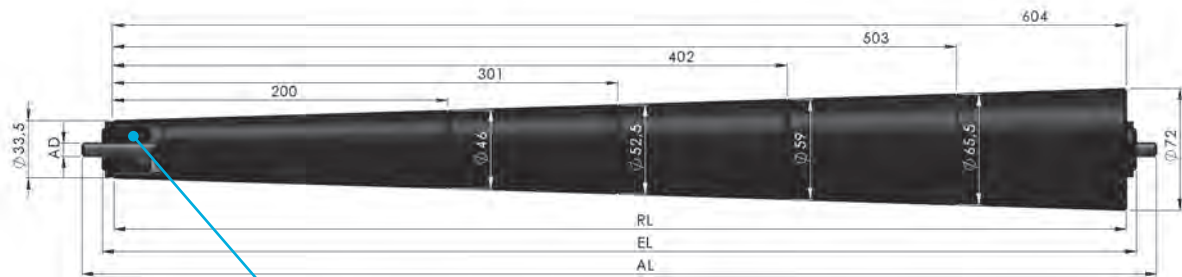


"The axle length and installation length change depending on the type of axle end finishing"

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)

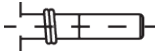
Optional:

- 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

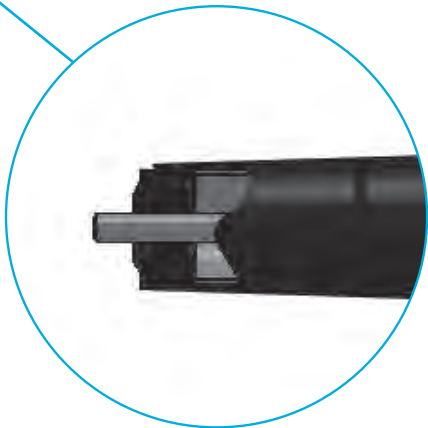
bearing	axle-Ø mm	EL=	 external thread	 spring axle
TKL30	8	RL +	21	
	10	RL +	18	
KUT50	8	RL +	35	22
	10	RL +	32	22



"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								



Areas of use:

- 🌀 for constructing bends in gravity-driven carrier rollers. Used for conveying lightweight goods in a dry, dust-free environment

- 🌀 bearing base made of thermoplastic with labyrinth seal and deep-groove ball bearing

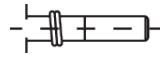
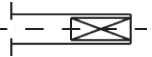
- 🔧 plastic furring strips, abrasion resistant, on inner tube Ø 50 mm
- 🔧 inside radius: 800 mm
- 🔊 quiet
- 🌡️ temperature range: -5 to +50° C
- 🔧 speed: 0.5 m/s
- 🔧 load capacity: max. 80 kg/roller
(Depending on the load limit of the tubes, bearings and axle;
refer to the general information)

- 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



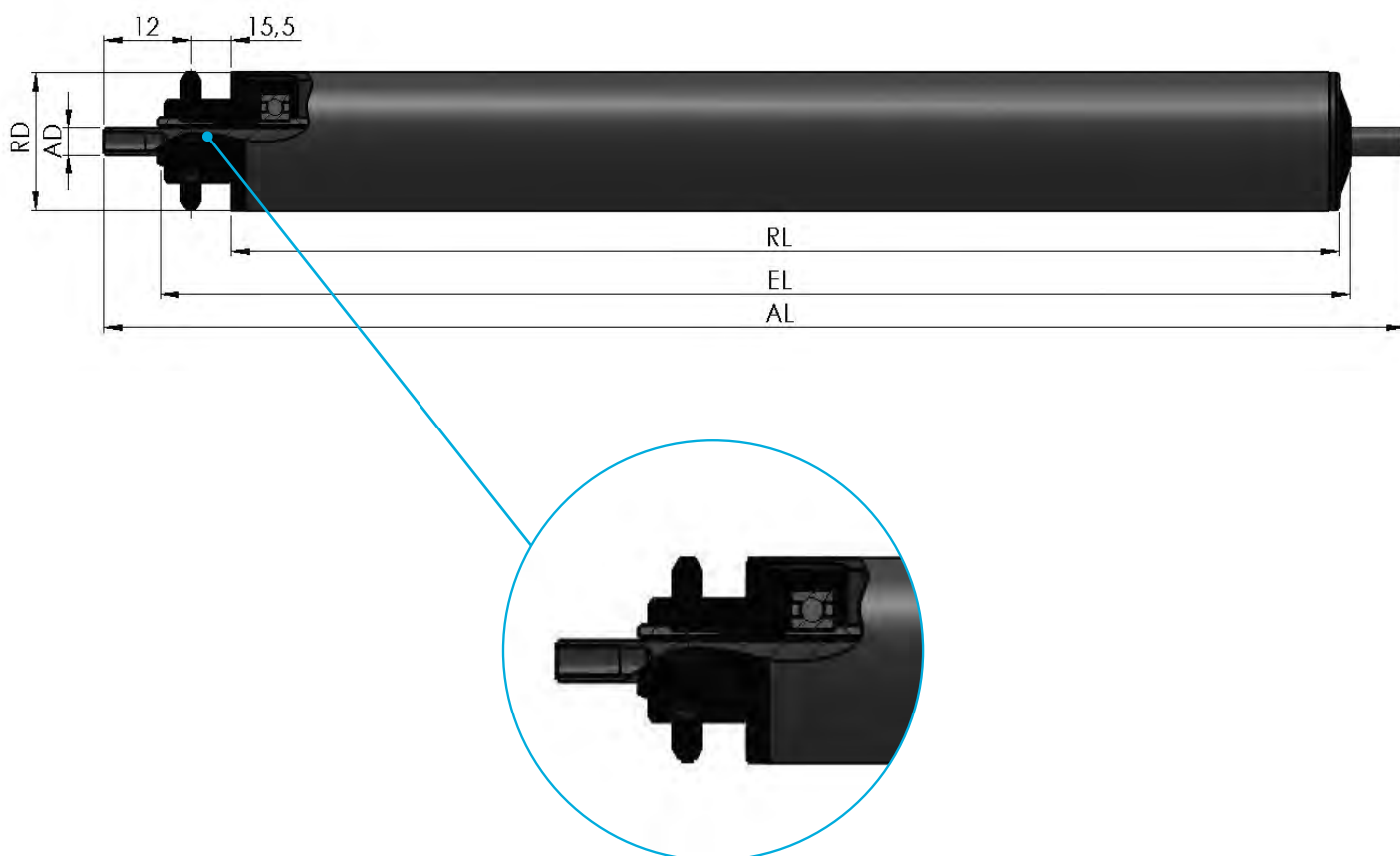
"We also offer custom solutions – just ask for more details"

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

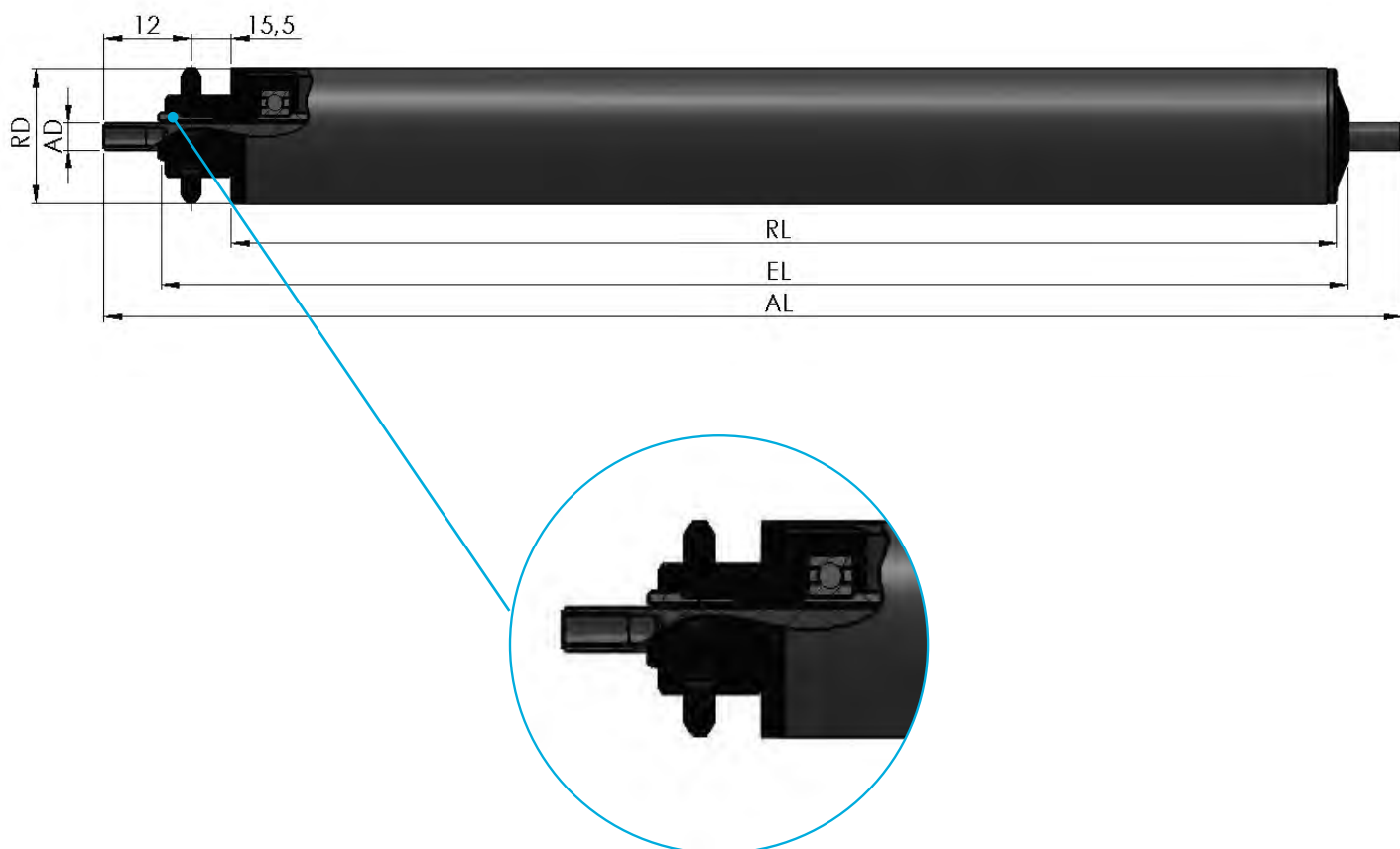


"The axle length and installation length change depending on the type of axle end finishing"

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

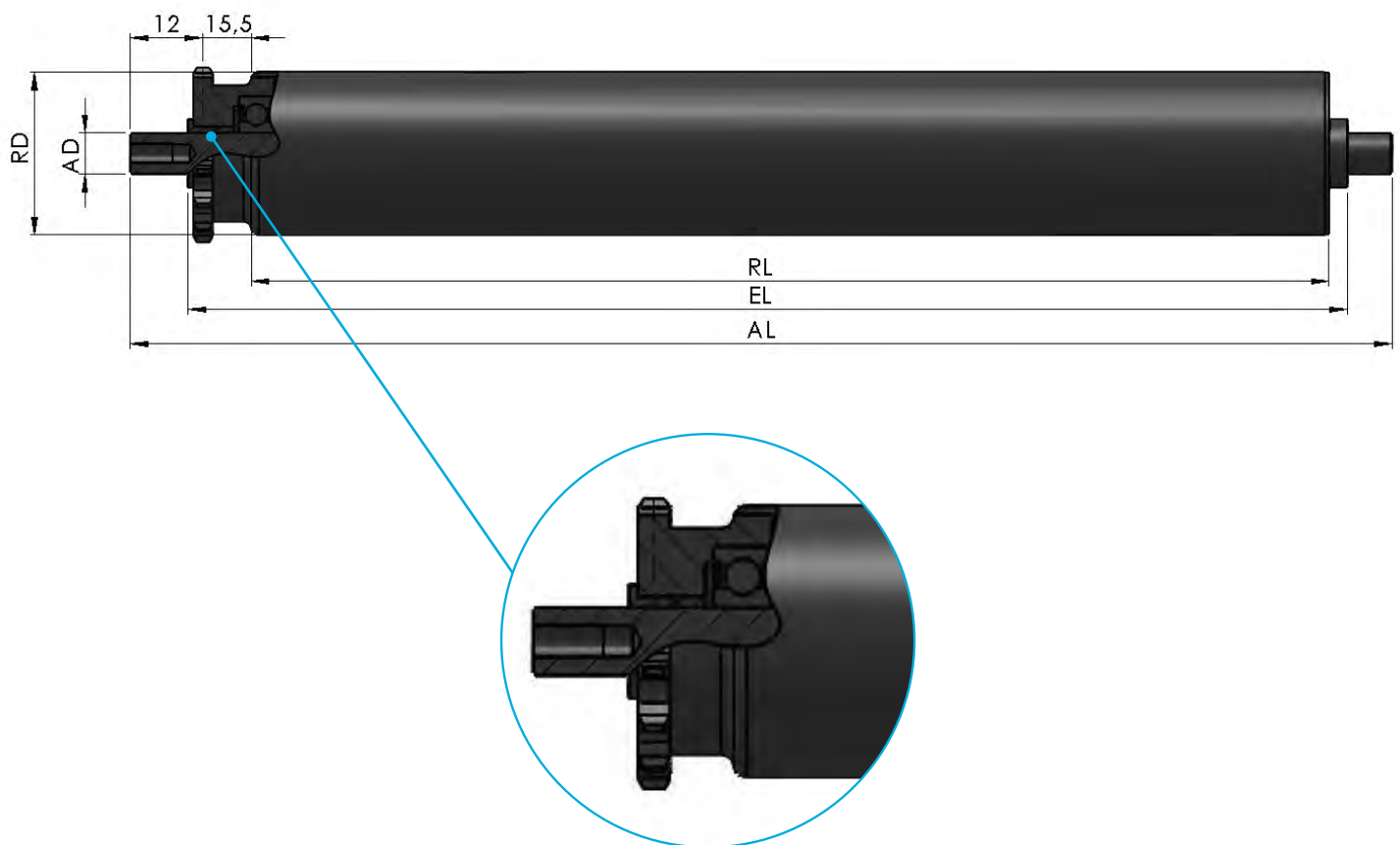


"The axle length and installation length change depending on the type of axle end finishing"

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

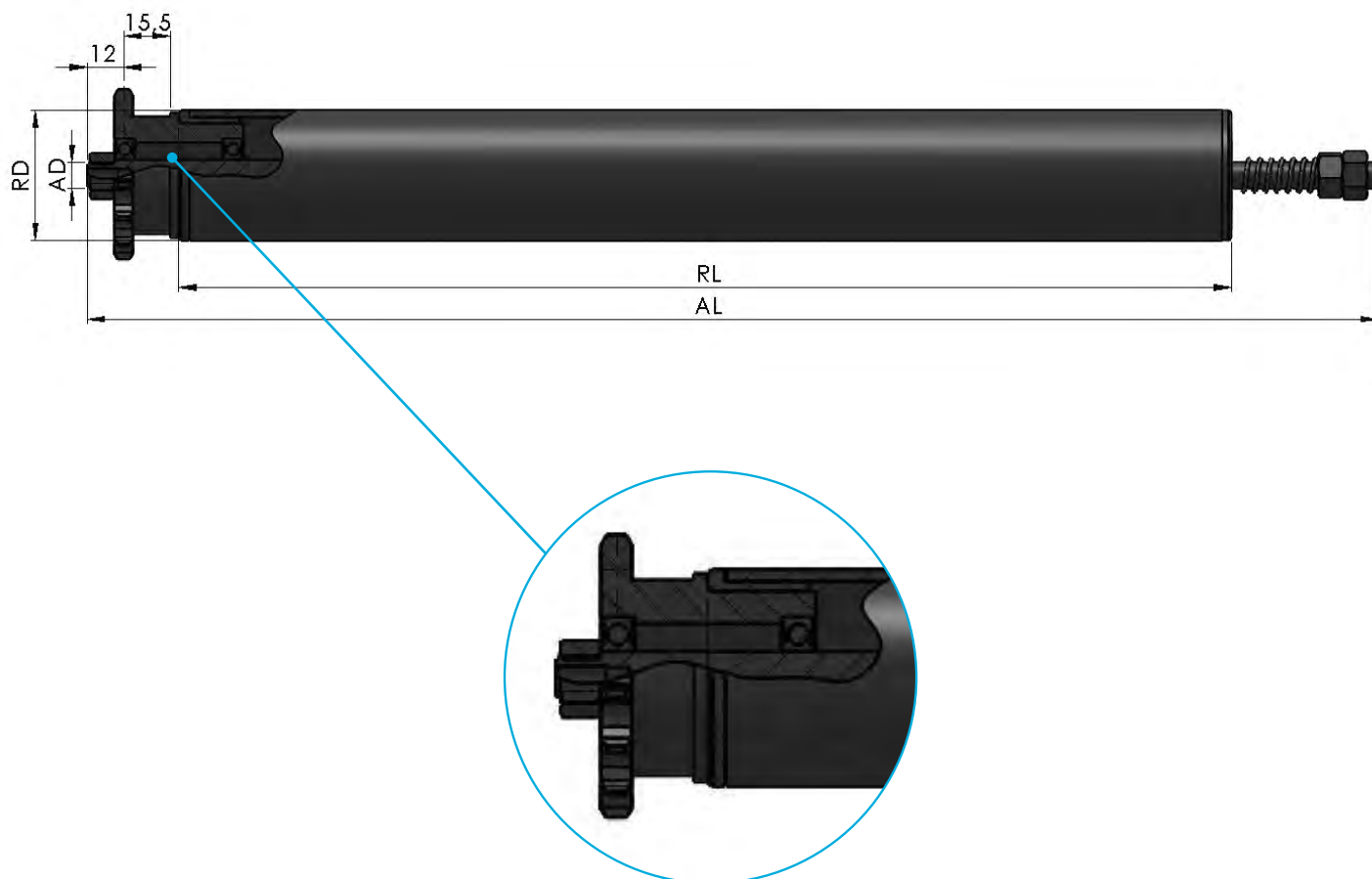


"The axle length and installation length change depending on the type of axle end finishing"

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:

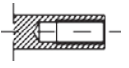
- available with various coatings
- antistatic
- stainless steel bearing, tube and axle
- for heated and cold storage applications
- with flanges

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

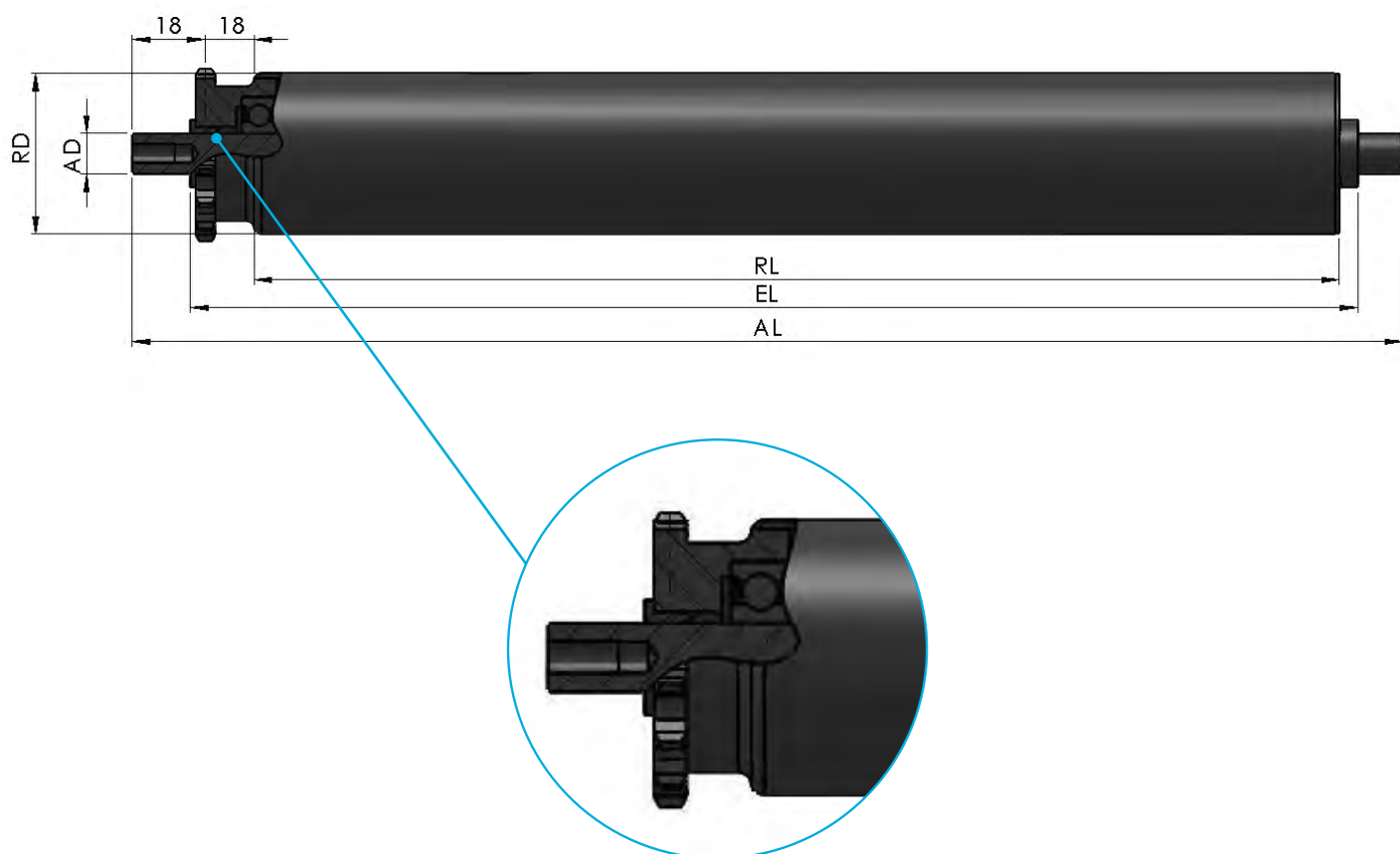


"The axle length and installation length change depending on the type of axle end finishing"

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

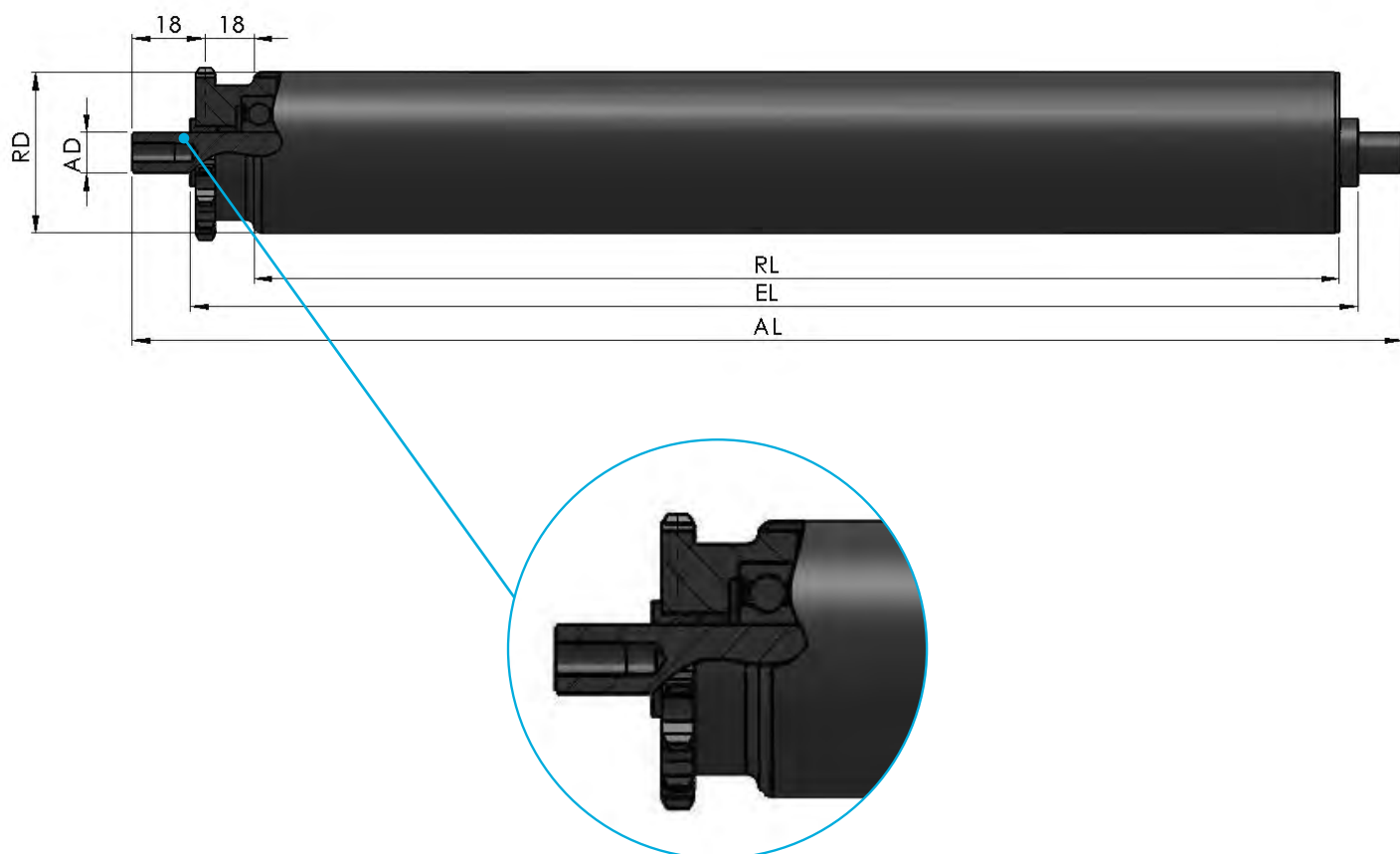


"The axle length and installation length change depending on the type of axle end finishing"

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

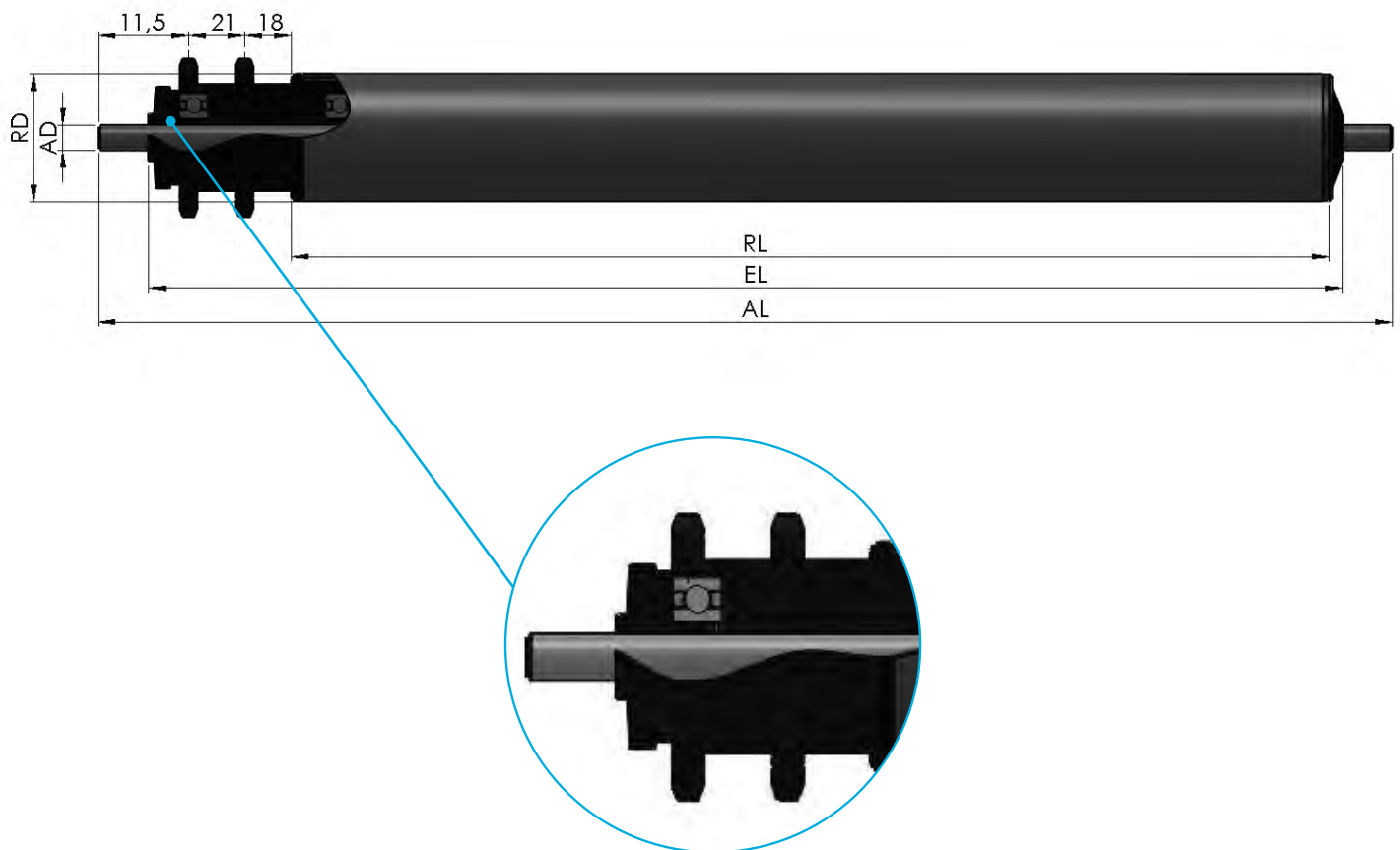


"The axle length and installation length change depending on the type of axle end finishing"

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

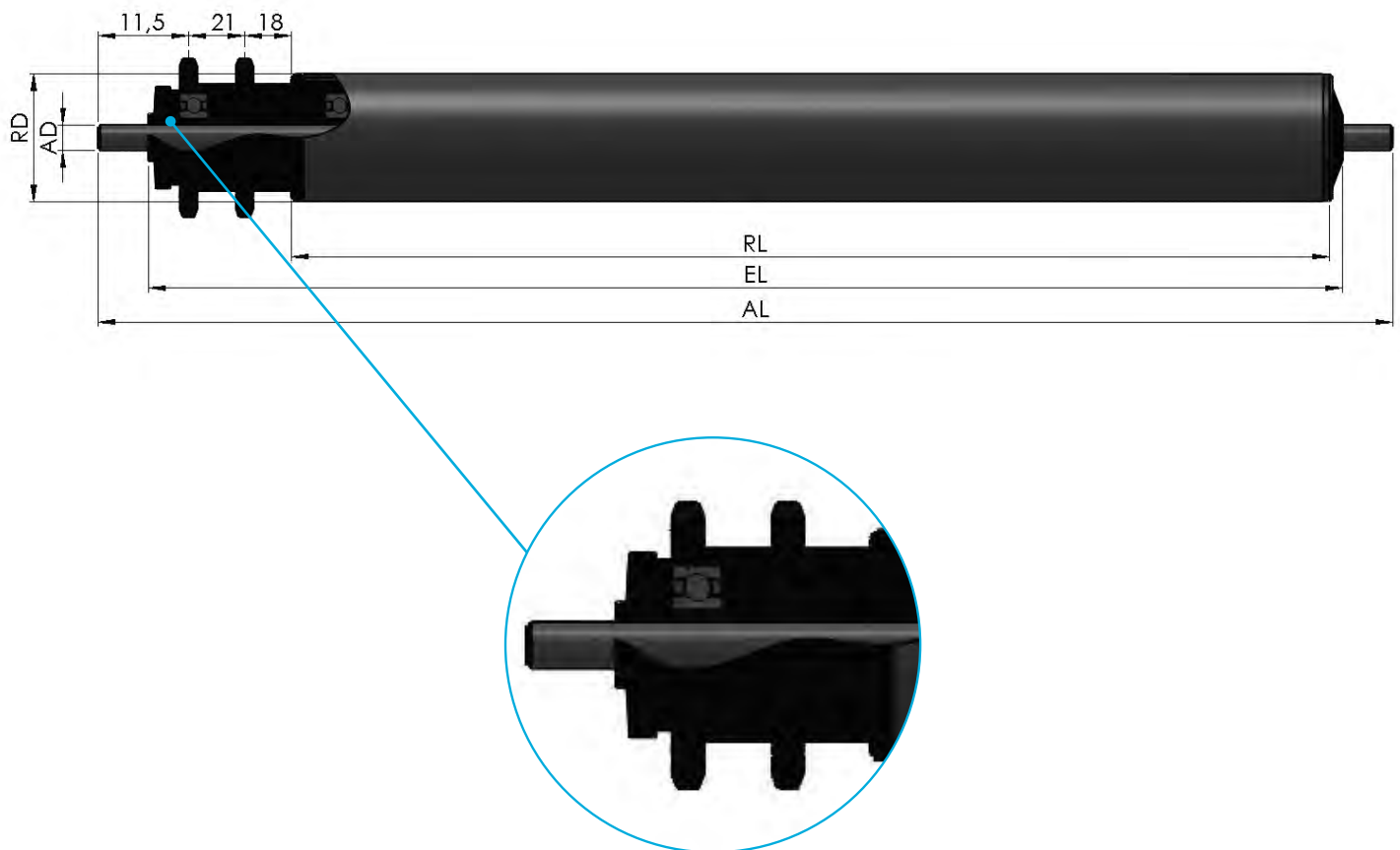


"The axle length and installation length change depending on the type of axle end finishing"

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

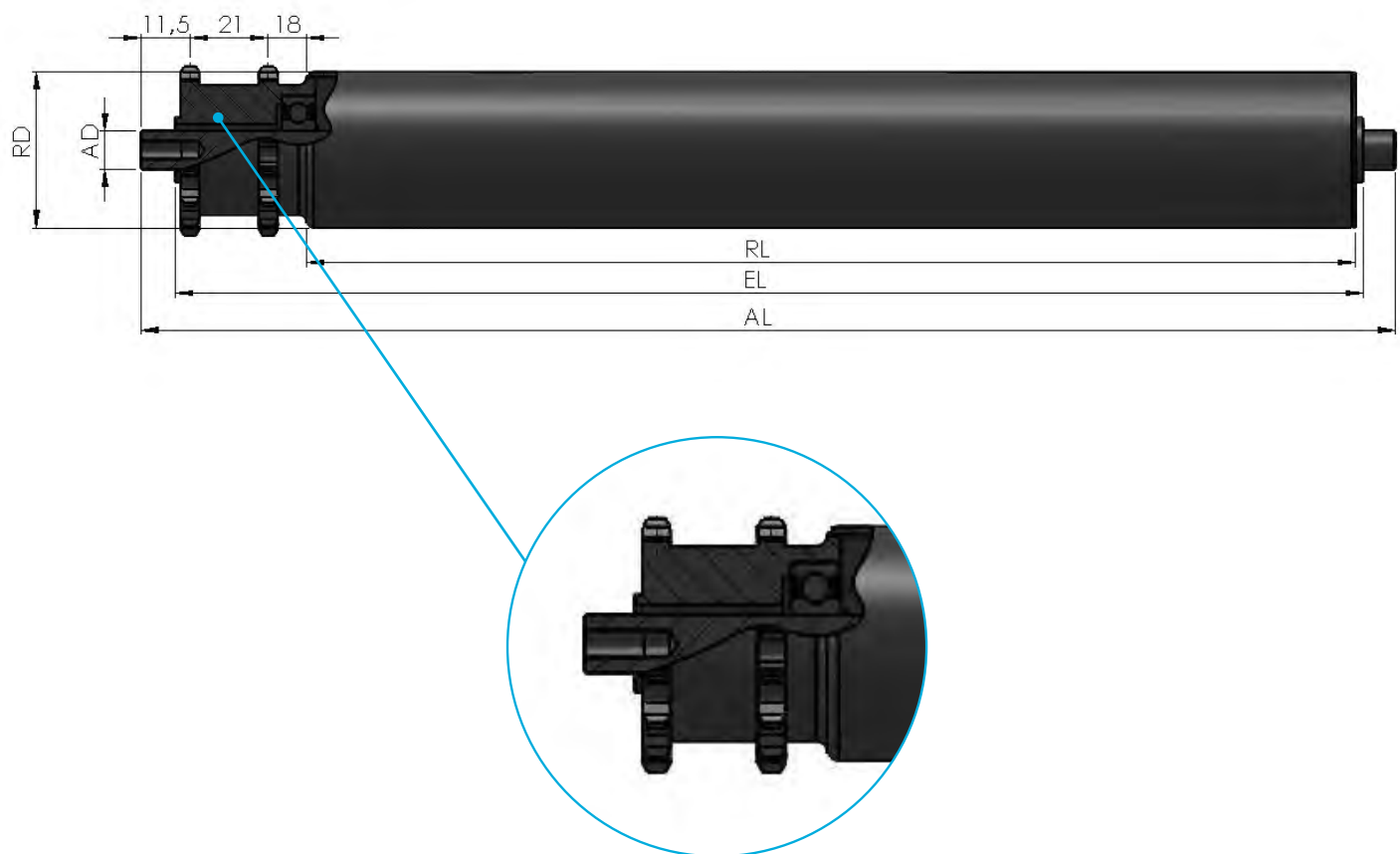


"The axle length and installation length change depending on the type of axle end finishing"

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

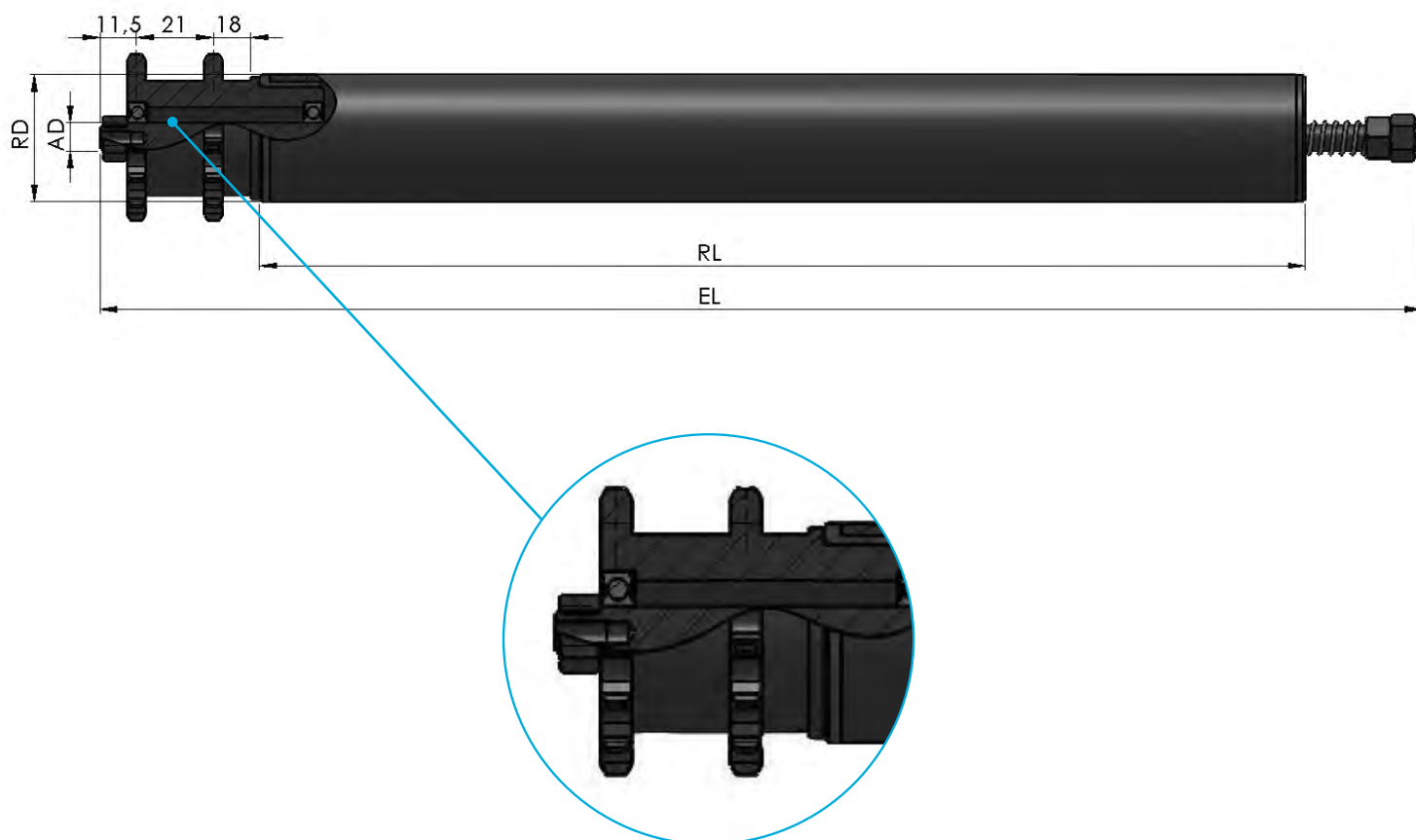


"The axle length and installation length change depending on the type of axle end finishing"

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

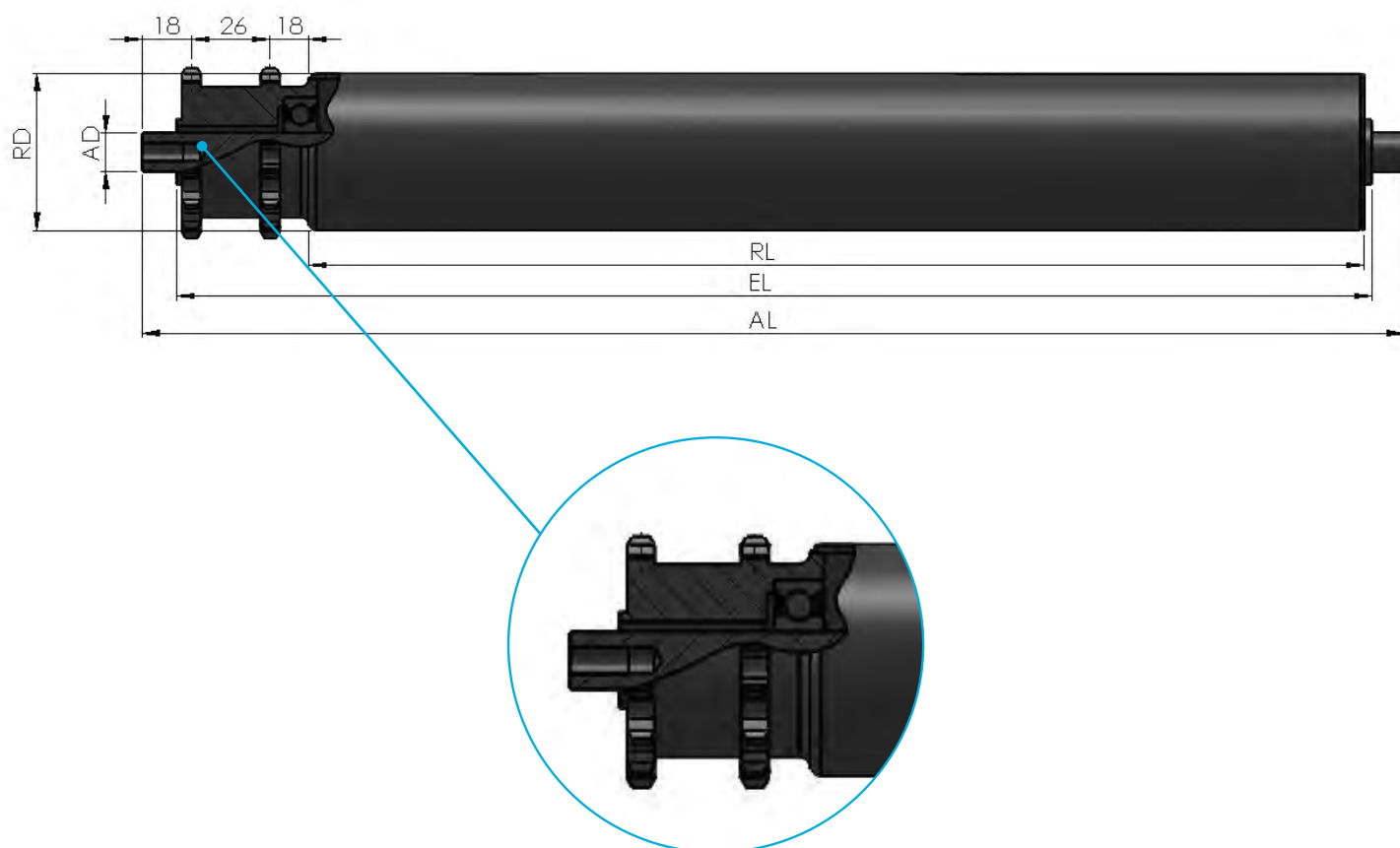


"The axle length and installation length change depending on the type of axle end finishing"

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

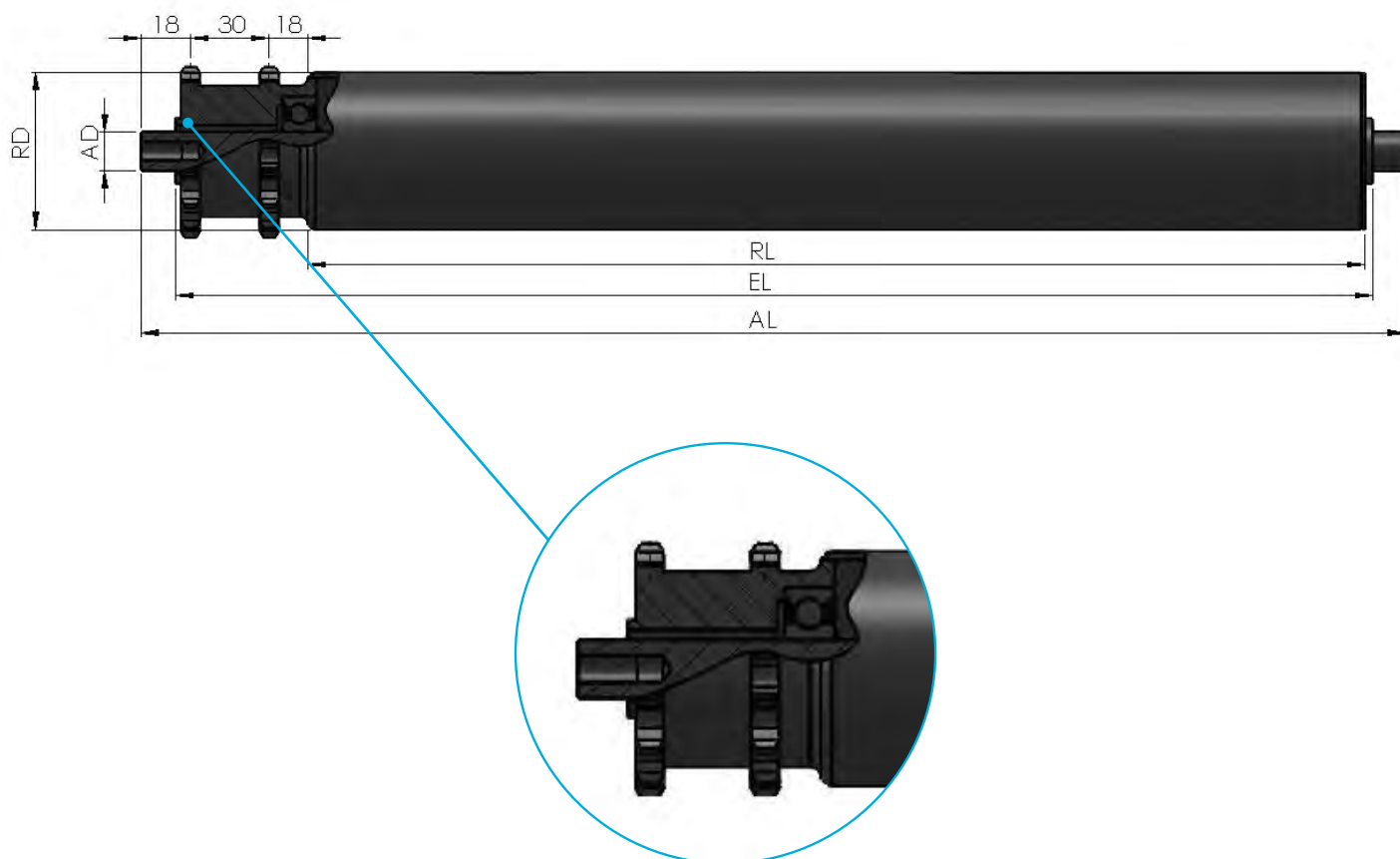


"The axle length and installation length change depending on the type of axle end finishing"

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

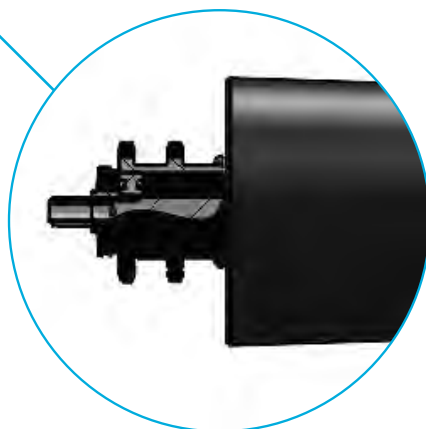
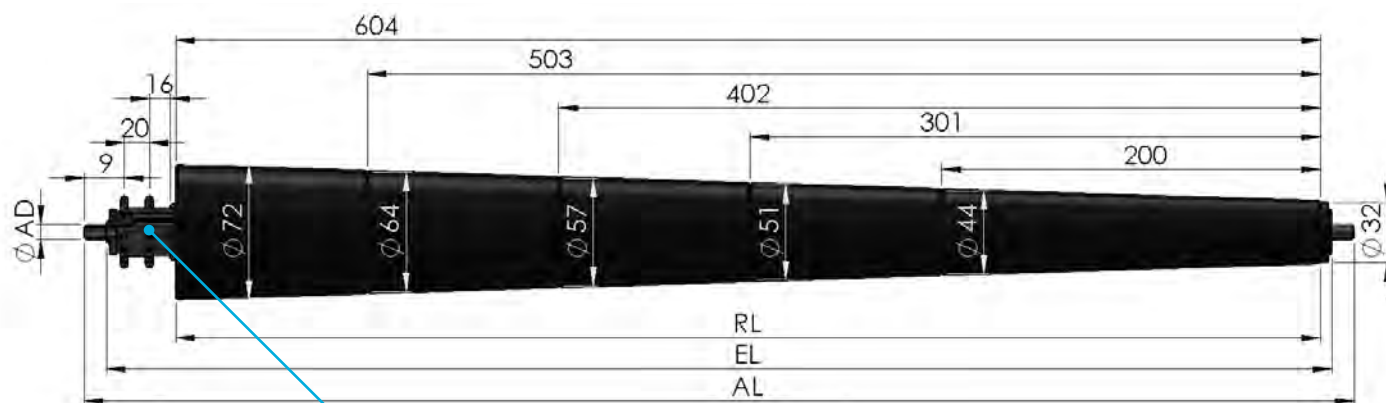


"The axle length and installation length change depending on the type of axle end finishing"

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								

power-driven carrier rollers // up to 80 kg



KFR30-2K-ST-3/8-Z12

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

Drive:

- sprocket size: 3/8" x 7/32", with 12 teeth, fixed drive

Variants:

- double sprocket made of plastic: KFR30-2K-KU-3/8-Z12
- double sprocket made of steel: KFR30-2K-ST-3/8-Z12

Properties:

- plastic furring strips, abrasion resistant, on inner tube $\varnothing 30$ mm
- runs quietly
- temperature range: -5 to +50° C
- speed: 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
- stainless steel bearing, tube and axle
- custom lengths

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

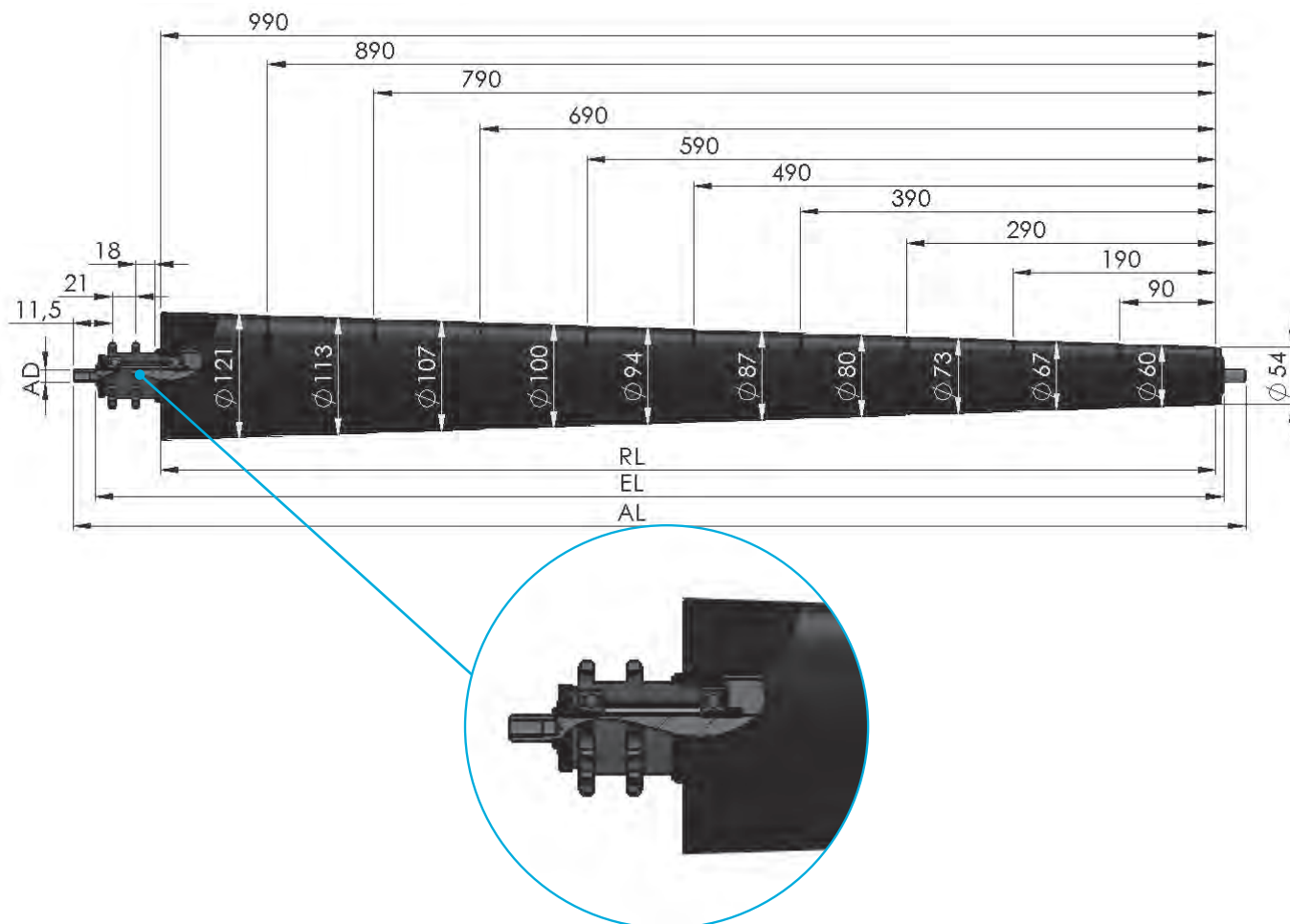


"The axle length and installation length change depending on the type of axle end finishing"

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

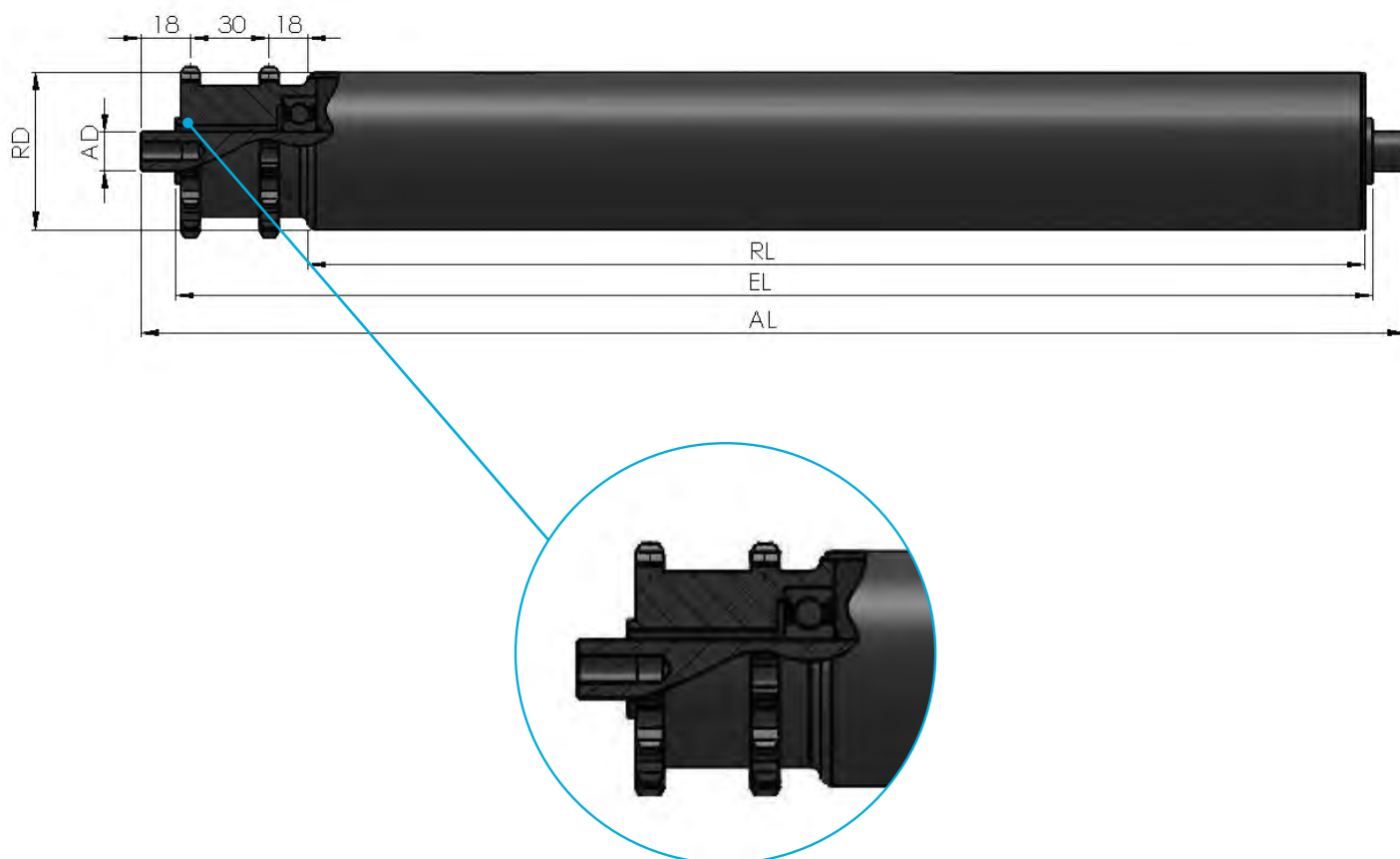


"The axle length and installation length change depending on the type of axle end finishing"

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

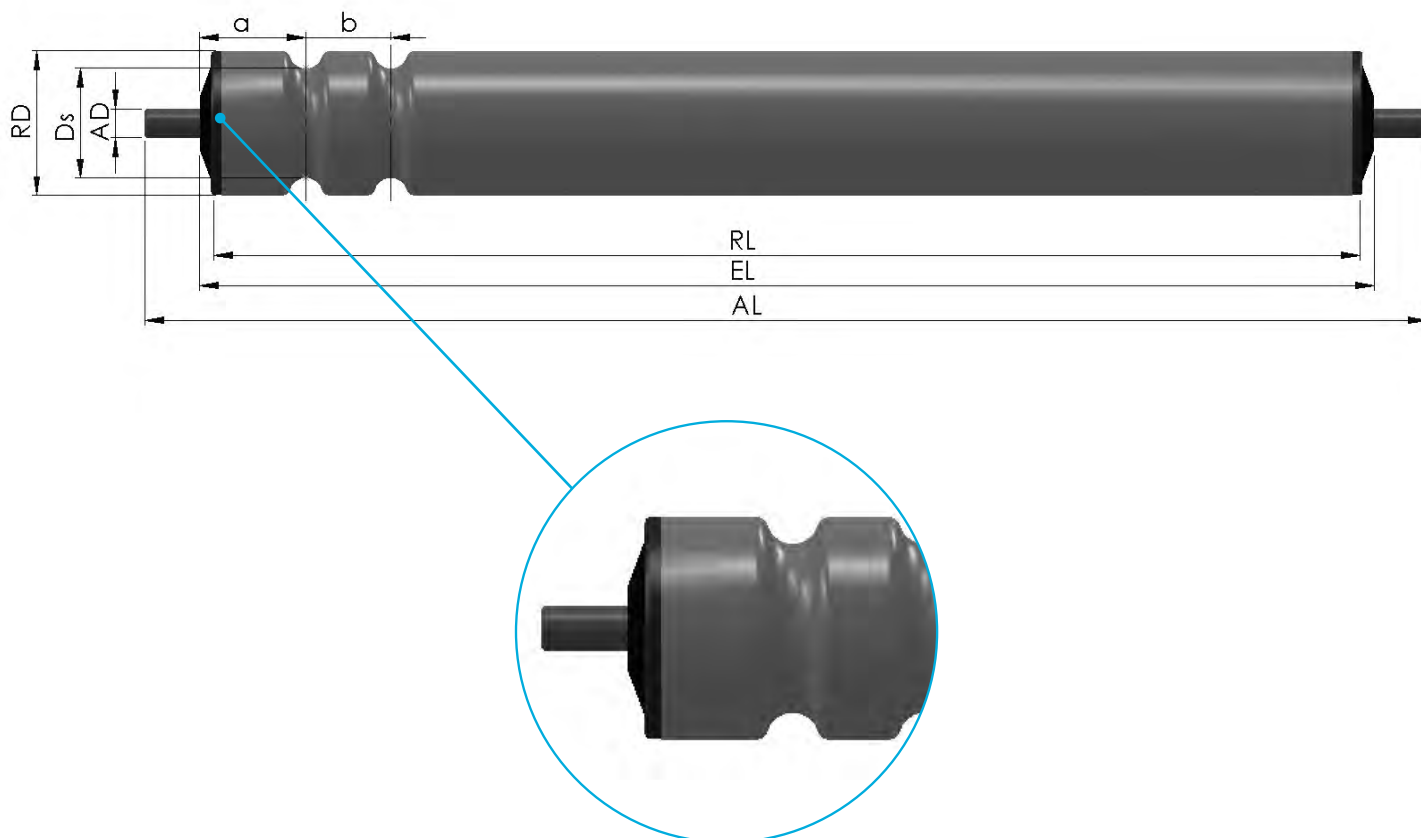


"The axle length and installation length change depending on the type of axle end finishing"

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:

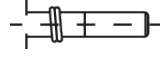
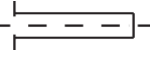
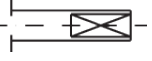
- available with various coatings
- stainless steel bearing, tube and axle

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

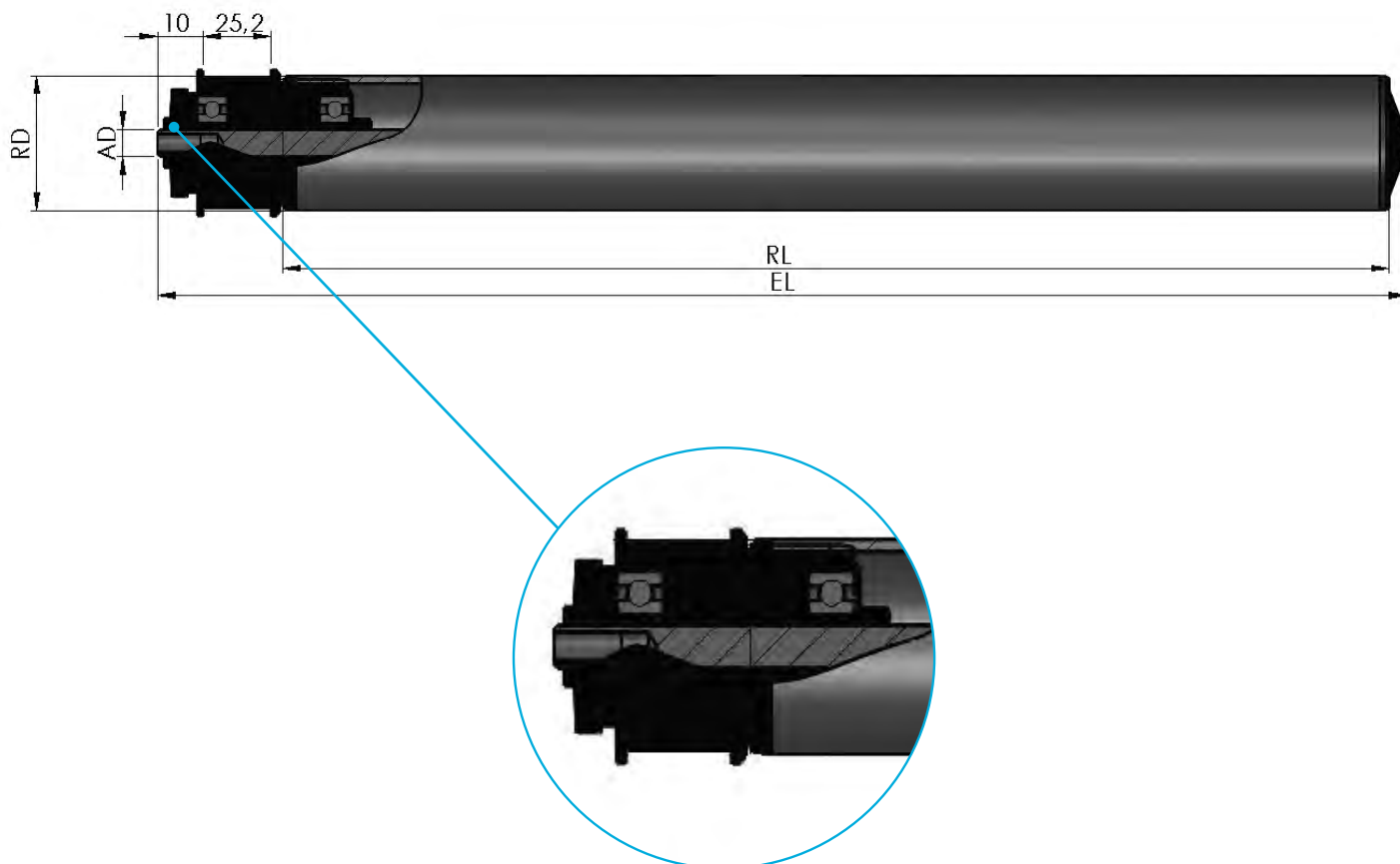


"The axle length and installation length change depending on the type of axle end finishing"

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

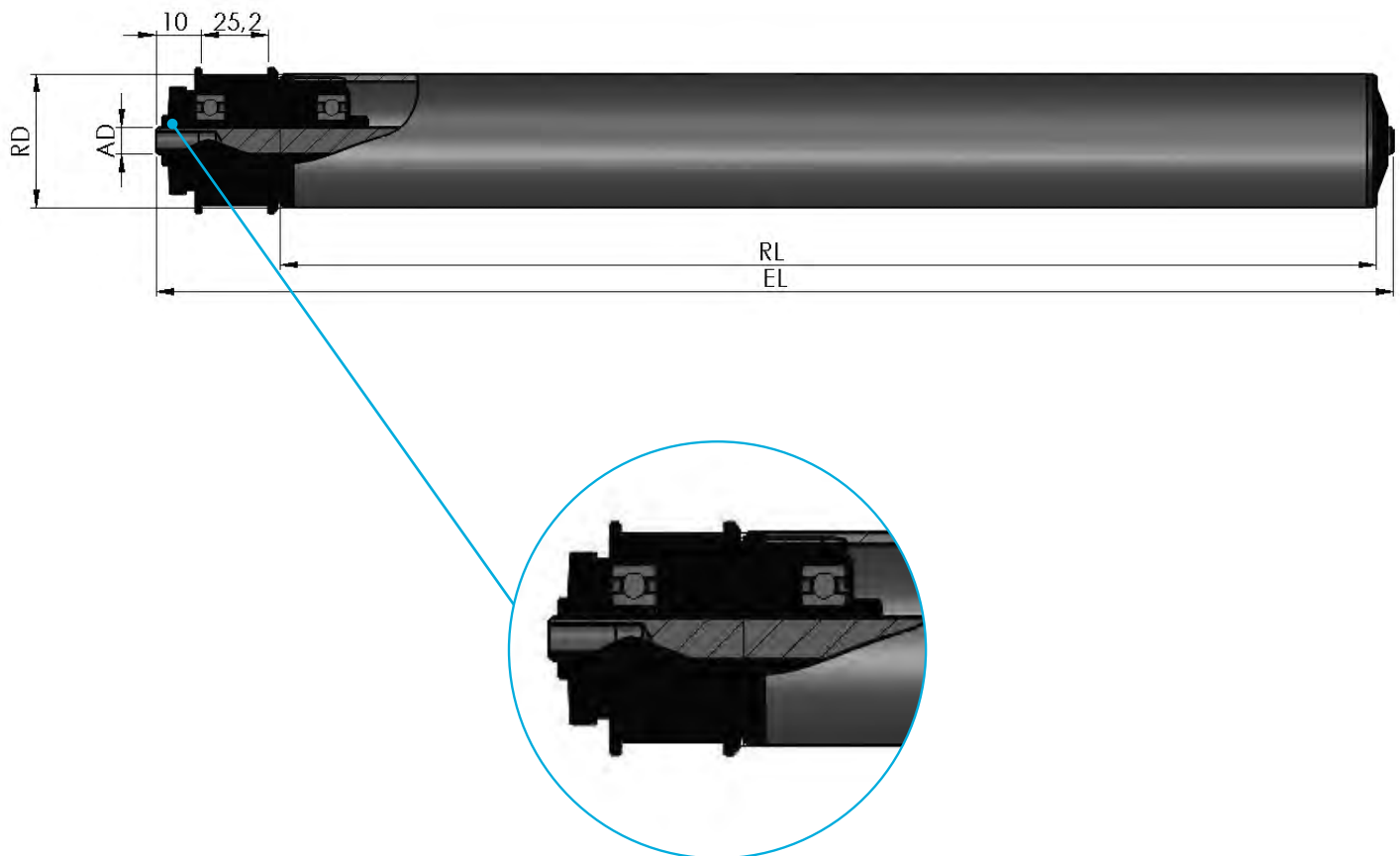
counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	12	RL +	46
	14	RL +	46
TRK	12	RL +	48
	14	RL +	48

 "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

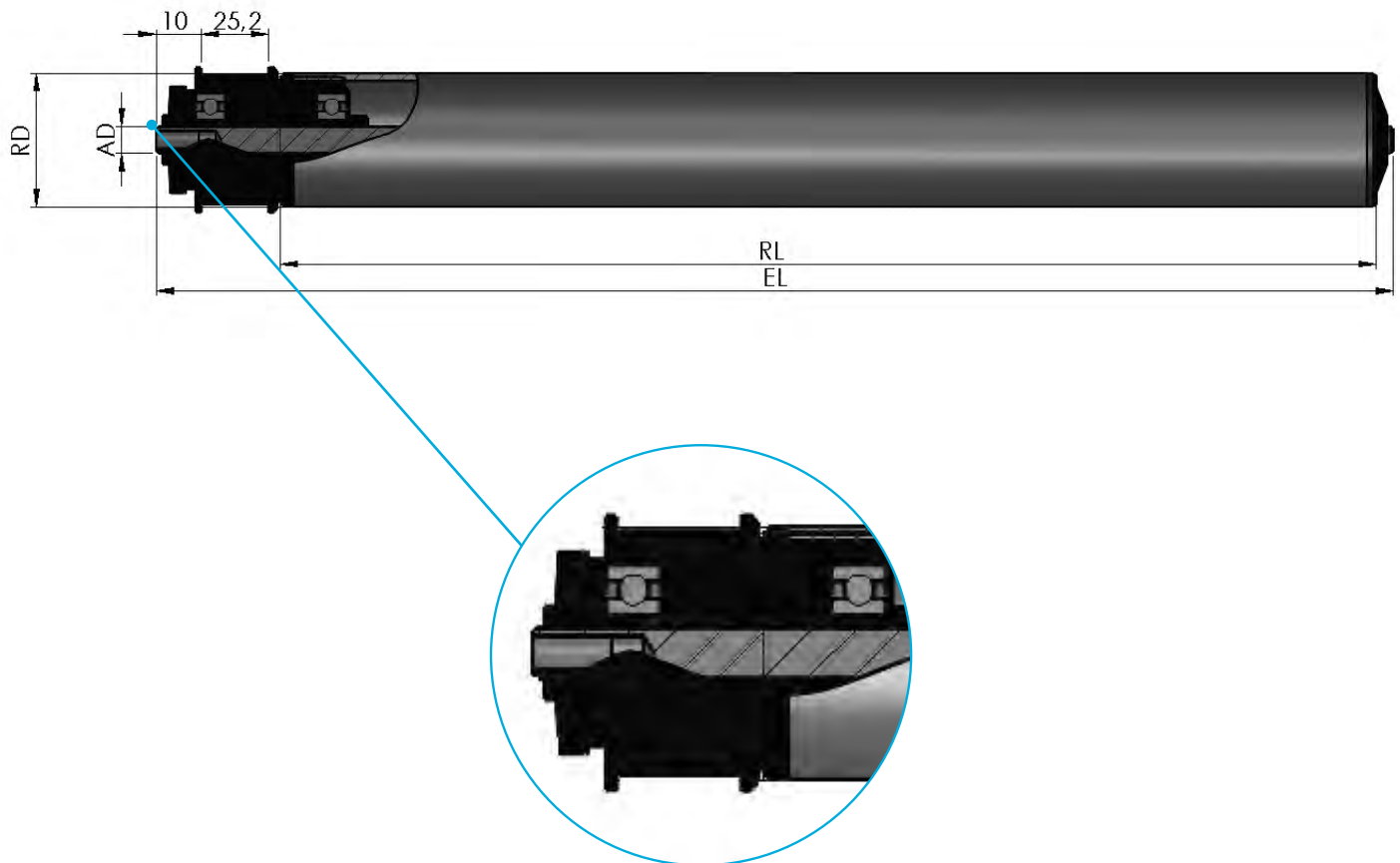
counter-bearing	axle-Ø mm	EL=	 internal thread
TKL	12	RL +	46
	14	RL +	46
	15	RL +	46
	17	RL +	46
TRK	12	RL +	48
	14	RL +	48
	15	RL +	48
	17	RL +	48

 "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:

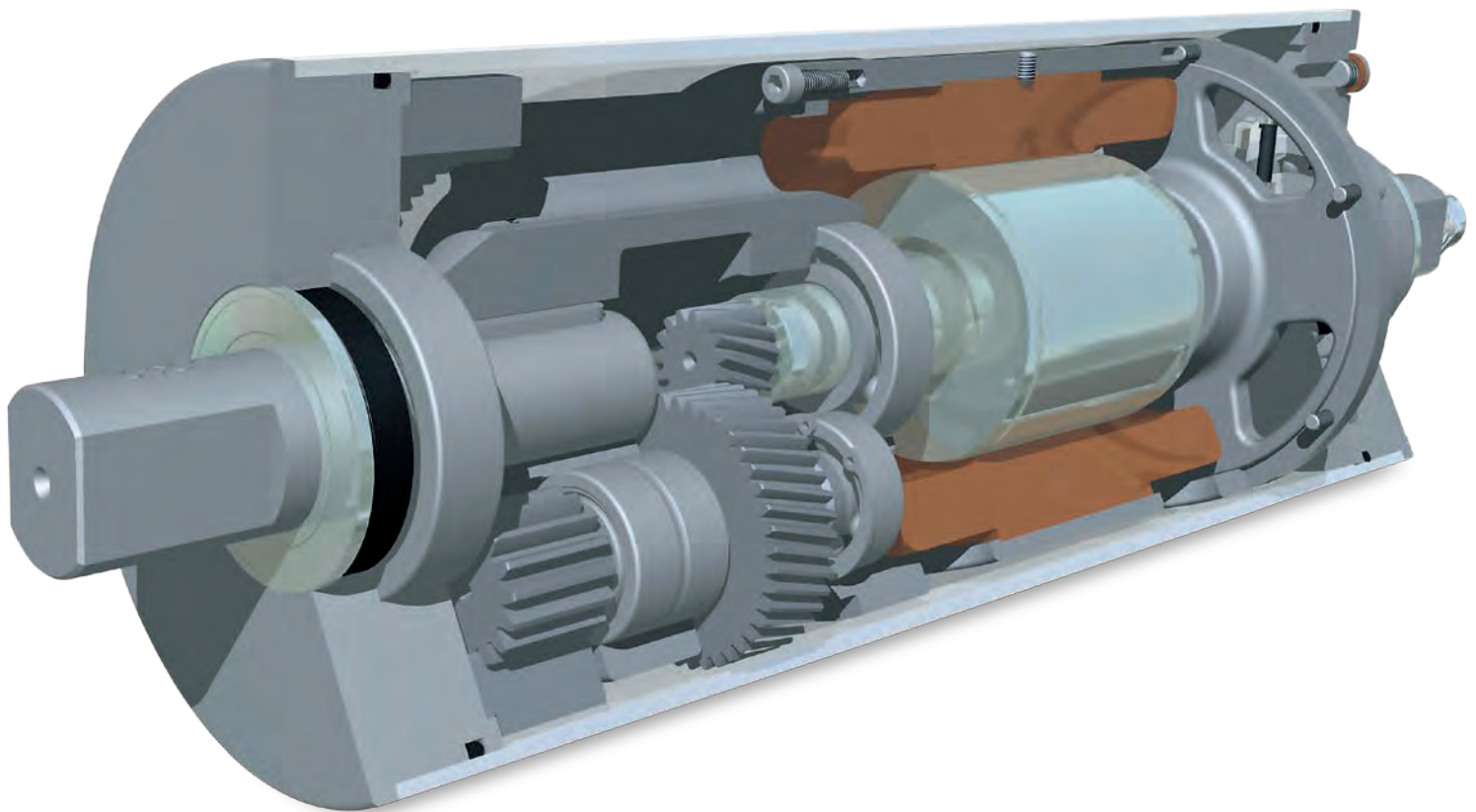
Drum motors are used for driving stationary or transportable conveyor belts to transport diverse types of bulk articles. They are also used in transportation systems without belts. Drum motors are being used for an increasing variety of drive applications because of their space-saving construction and 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:

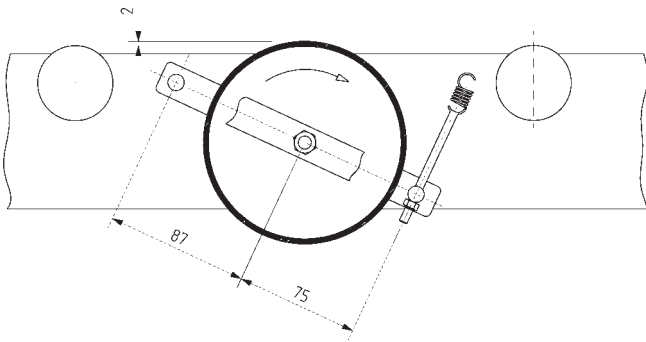
Braking rollers are built into the gravity-driven roller conveyor at regular intervals so that the conveyed goods maintain a constant speed. This can be done directly or indirectly. The selection and placement of brake rollers for your specific application depends on several factors.

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.

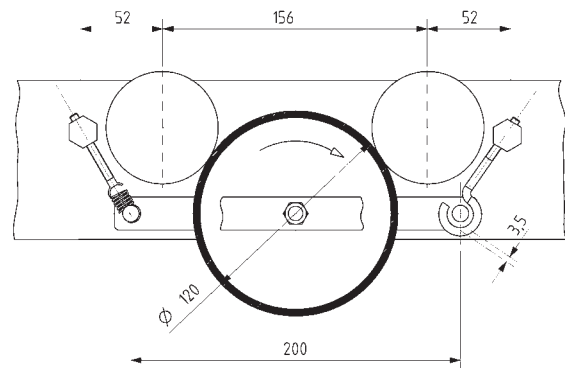
Our experience shows that one brake roller per load carrier should be added so that a constant conveying speed is maintained. When the brake rollers have been properly integrated, the conveying speed should be between 0.2 and 0.25 m/s. The conveying speed should not exceed 0.3 m/s. We recommend using 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

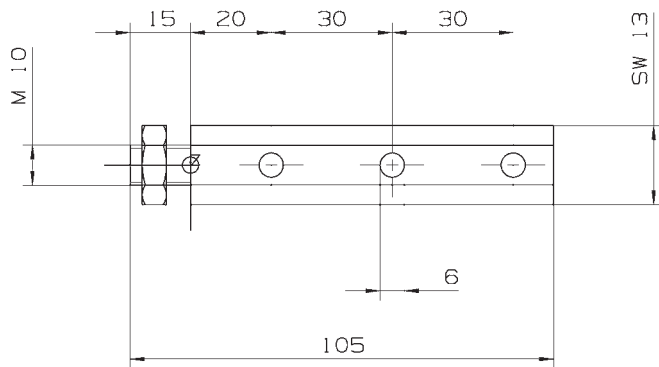
Direct braking



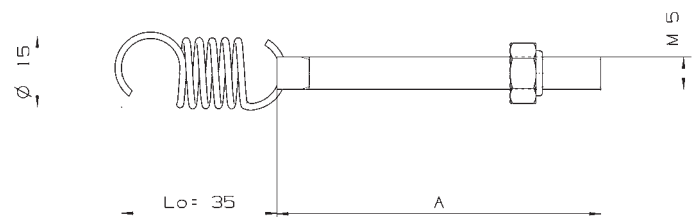
Indirect braking



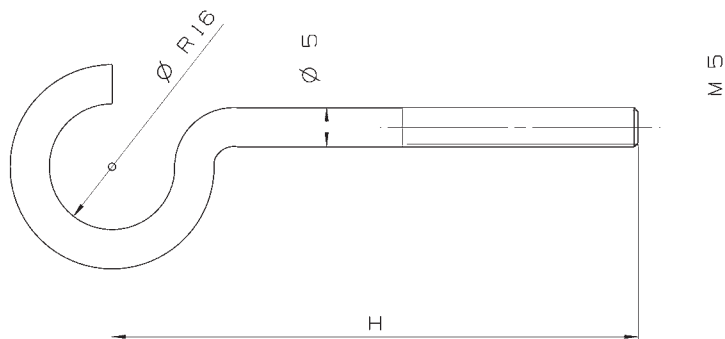
Suspension axle



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”

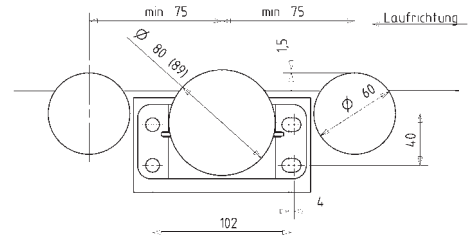
Special version:

- version for freezer usage: for temperatures down to -30°C (normal version can only be used to 0°C)

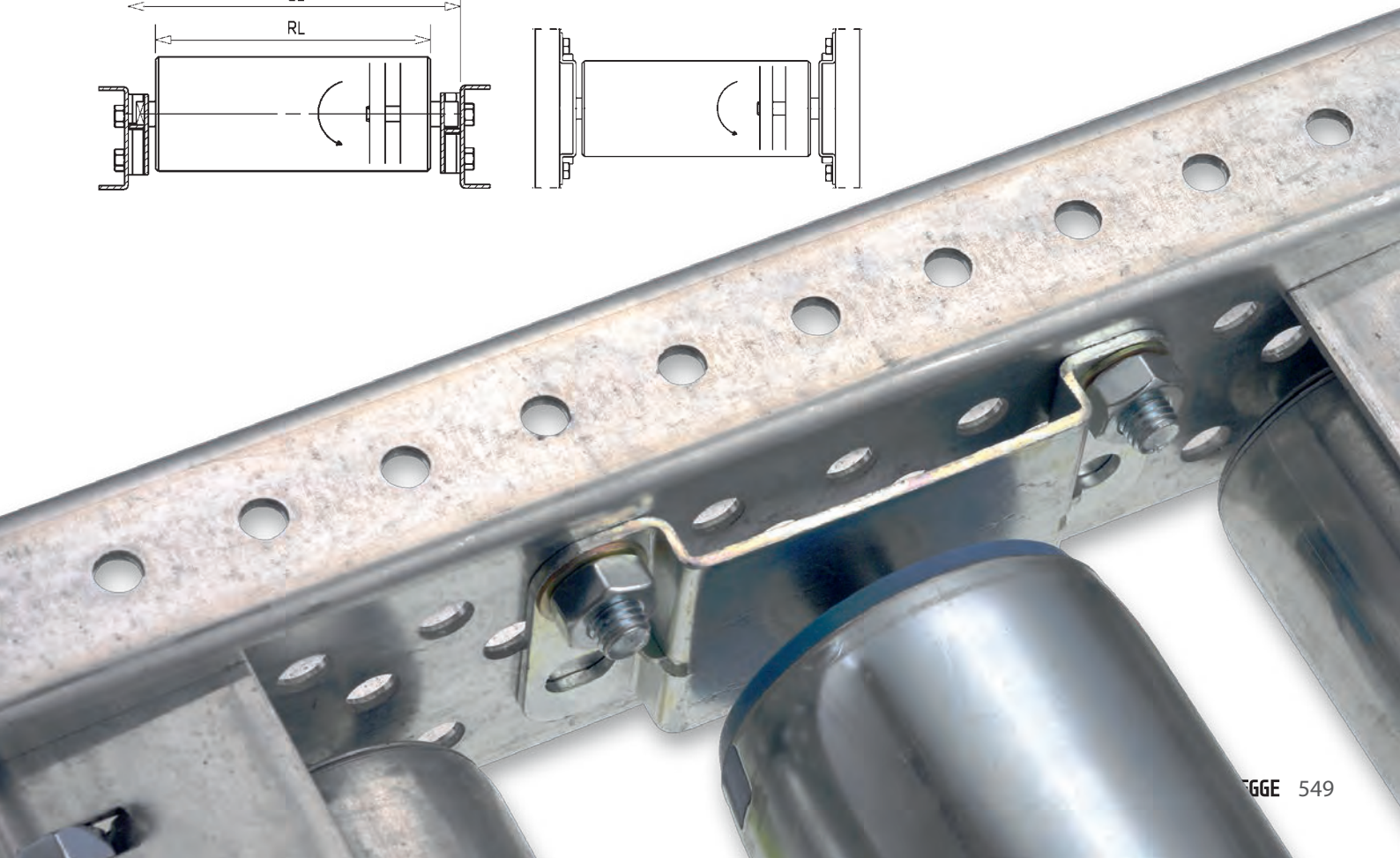
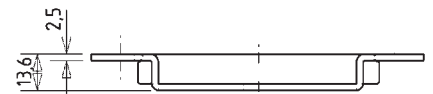
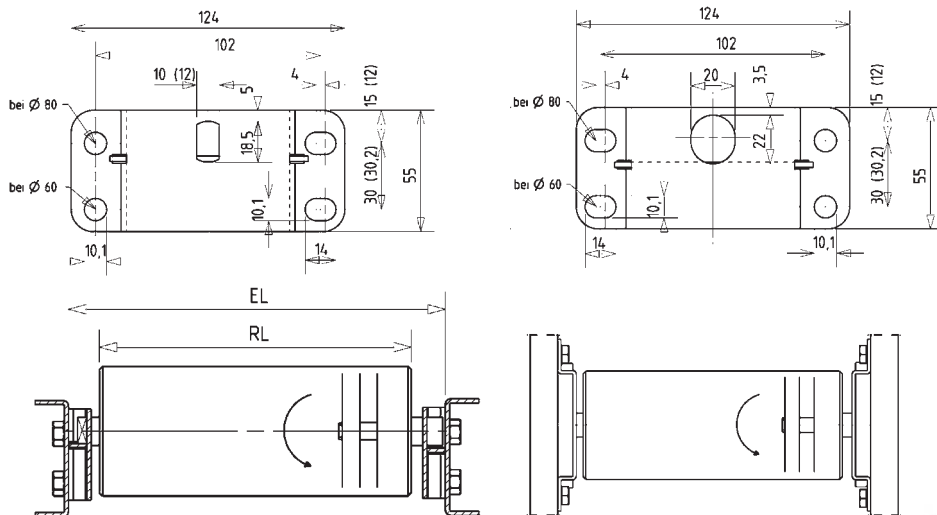
Standard lengths:

- 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

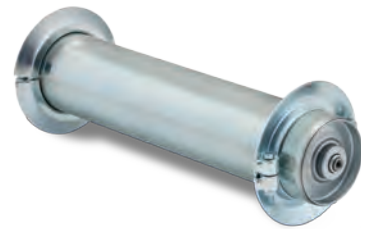


buffer rings	tube-Ø mm	outside-Ø mm	inside-Ø mm	width mm
PUF-RING-63,5-89X25 Ident No.: 0022744	63.5	89	60	25
PUF-RING-63,5-108X30 Ident No.: 0022740	63.5	108	60	30
PUF-RING-63,5-133X30 Ident No.: 0022742	63.5	133	60	30
PUF-RING-89-133X35 Ident No.: 0022745	89	133	85	35
PUF-RING-89-159X35 Ident No.: 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



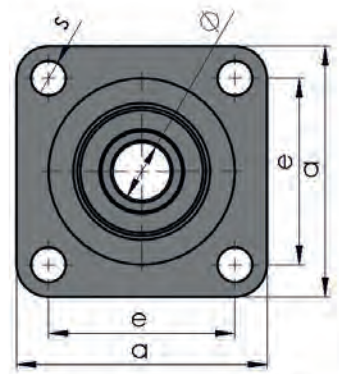


cover tubing	tube-Ø mm	material thickness mm	tubing material
COVER TUBING-30x2 Ident No.: 0027180	30	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-40x2 Ident No.: 0023763	40	2	PVC approx. 63° shore A, RAL 7001, silver-grey
COVER TUBING-50x2 Ident No.: 0023764	50	2	PVC approx. 63° shore 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

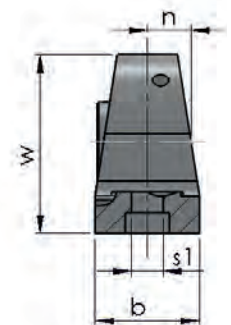
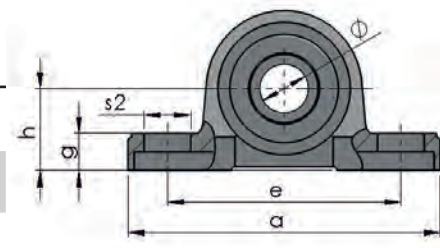


shrink tubing	tube-Ø mm	material thickness mm	tubing material
SHRINK TUBING-50 Ident No.: 0023770	50	1.5	PVC approx. 94° shore A, RAL 7001, silver-grey
SHRINK TUBING-60 Ident No.: 0023771	60	1.5	PVC approx. 94° shore A, RAL 7001, silver-grey
SHRINK TUBING-80 Ident No.: 0023895	80	1.5	PVC approx. 94° 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

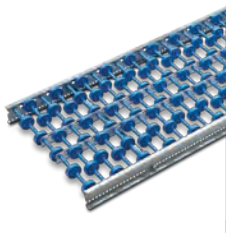
- ☞ production
- ☞ storage strategies (FiFo, LiFo)
- ☞ incoming goods and materials
- ☞ packaging and picking tables
- ☞ shipping
- ☞ conveyor lines
- ☞ and much more



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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	

			
scissor roller conveyor	scissor roller conveyor	ball transfer tables	material supporting columns
light loads	light loads	-	-
48 mm	50 mm	-	-
plastic, steel	plastic, steel	-	-
588	590	592	602



"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

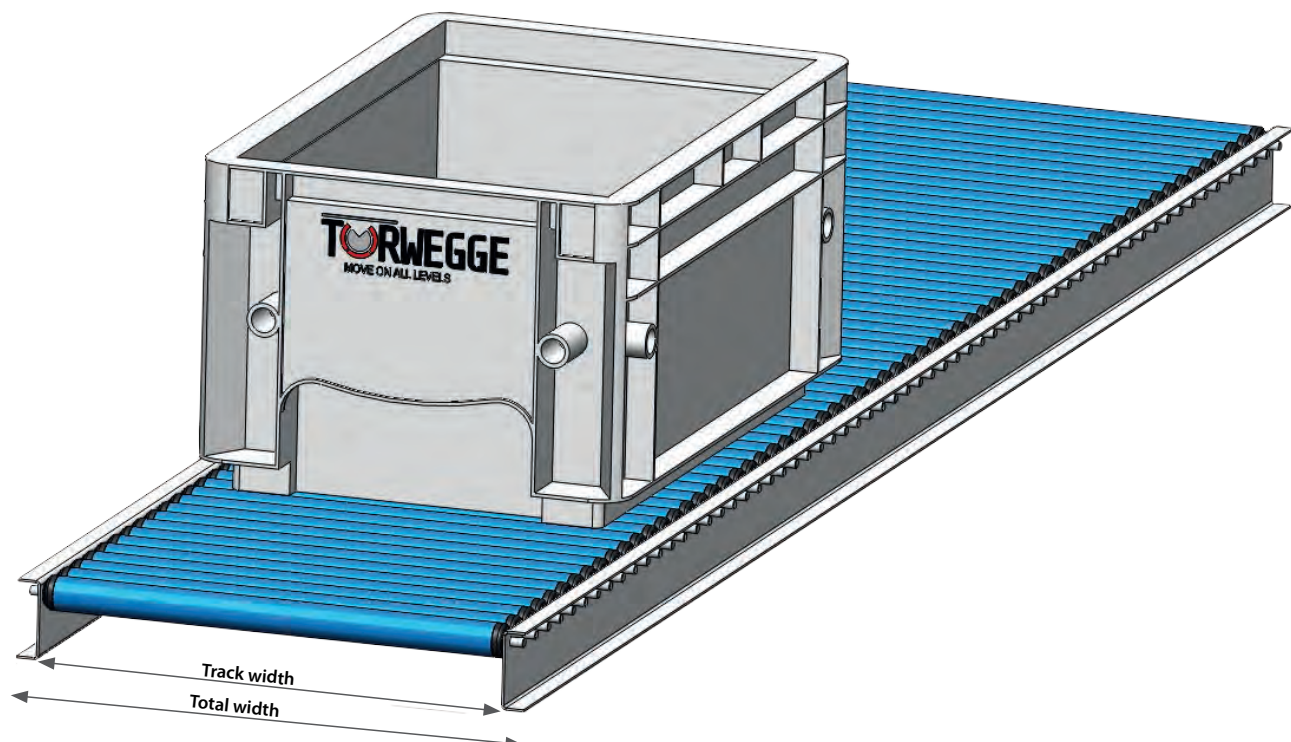
- level, stable ground under the roller conveyor
- longitudinal bars in direction of conveyance
- belt battens must rest on the carrier rollers

For multi-directional roller conveyors and wheel conveyors

- level, stable floor

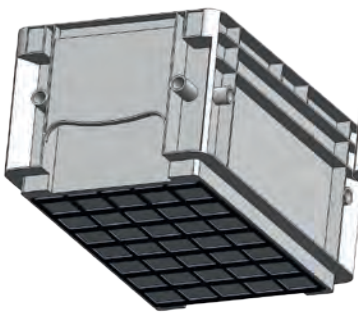
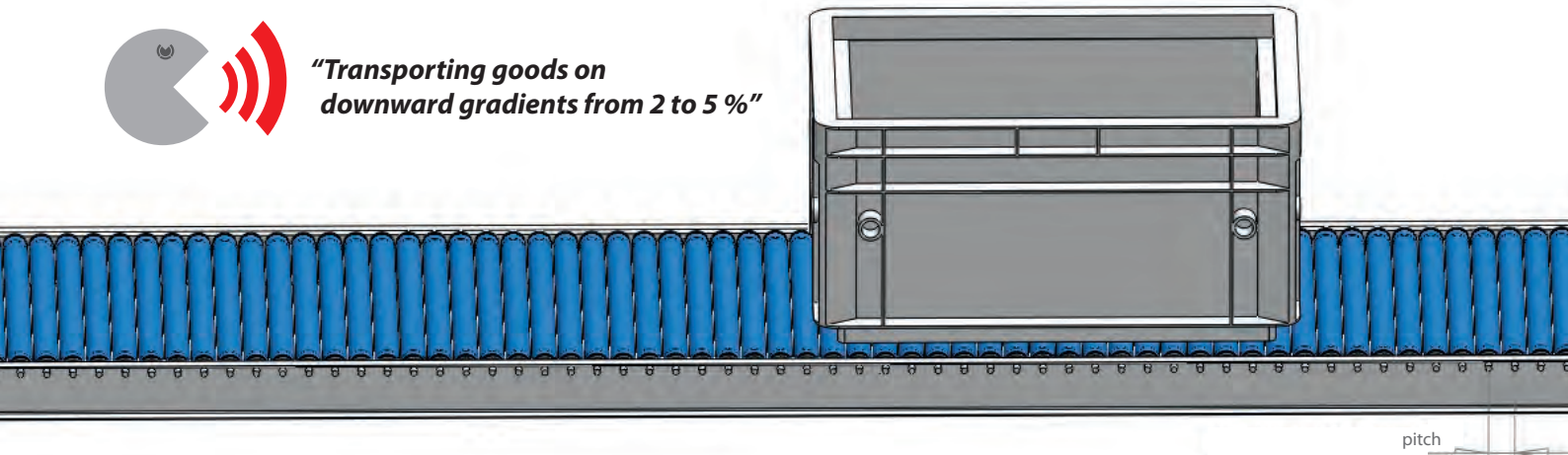
For ball transfer tables

- hard, level floor

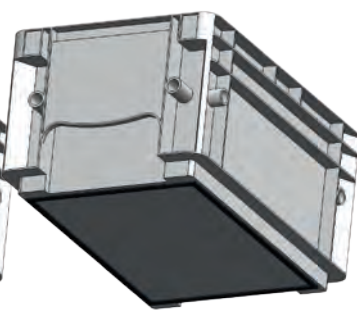




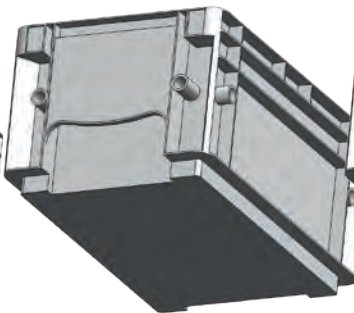
"Transporting goods on downward gradients from 2 to 5 %"



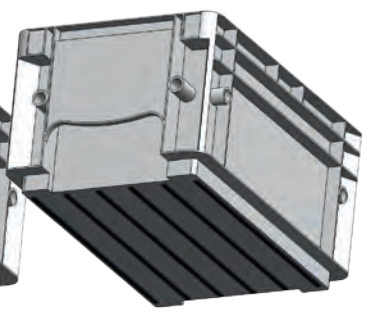
lattice base



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

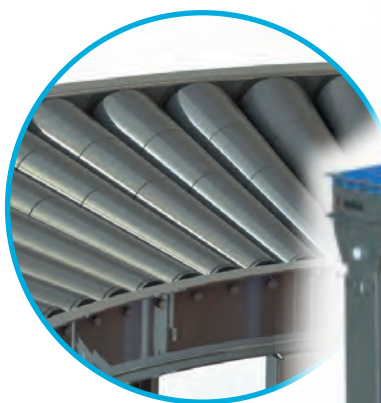
- supports are provided as needed along a track length at the joints between two conveyor segments
- for 90° bends, the bend should also be supported in the middle (at 45°)
- the support frames are set back slightly from the ends of the track

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

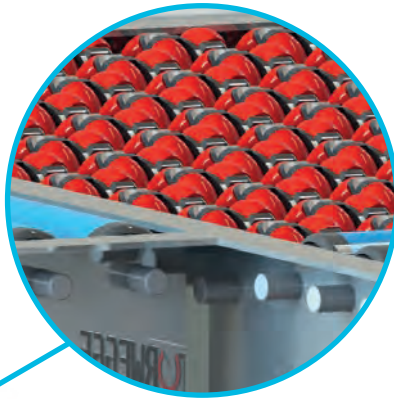
Ri 500
Ri 800



Support frames
smoothly adjustable height



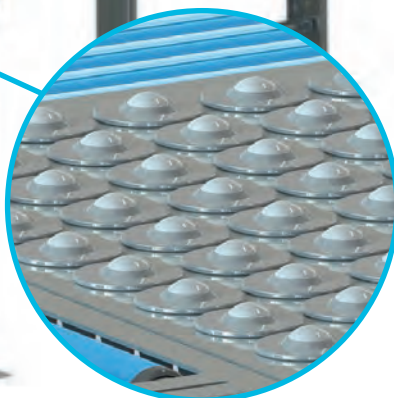
"Standard components can be delivered now"



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

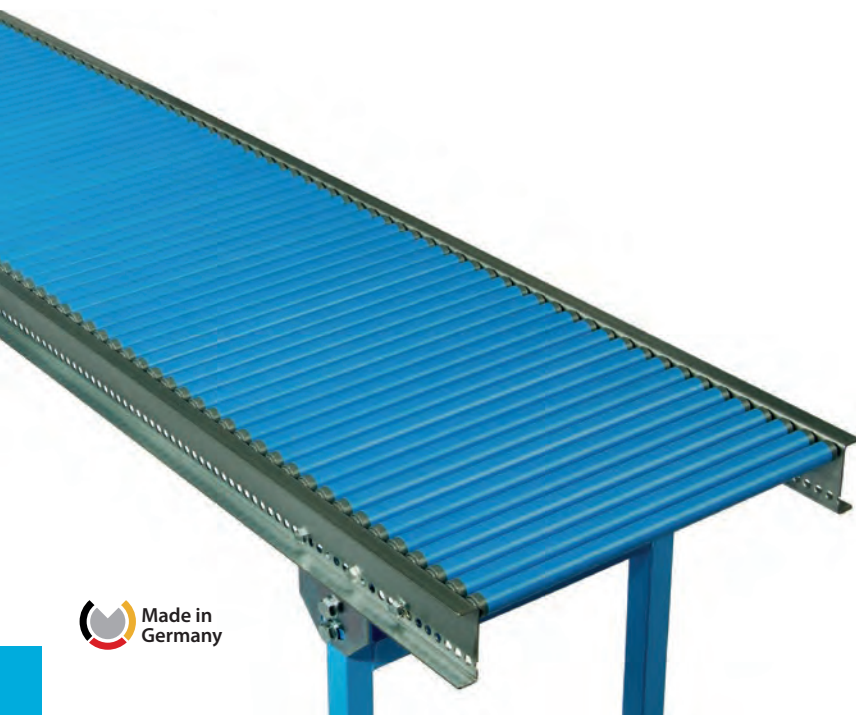
Aluminum frame and stainless steel versions. Complete roller conveyors made from stainless steel can also be delivered on request.



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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:

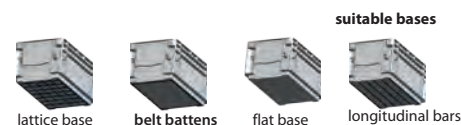
The total length changes for the 75 mm sections.

- 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



Carrier roller:

- steel rollers: **Ø 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-Ø 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:

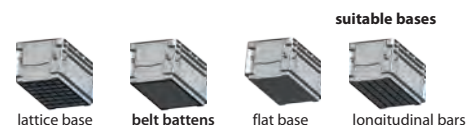
The total length changes for the 75 mm sections.

- from 1,000 mm to 975 mm
- from 2,000 mm to 1,950 mm

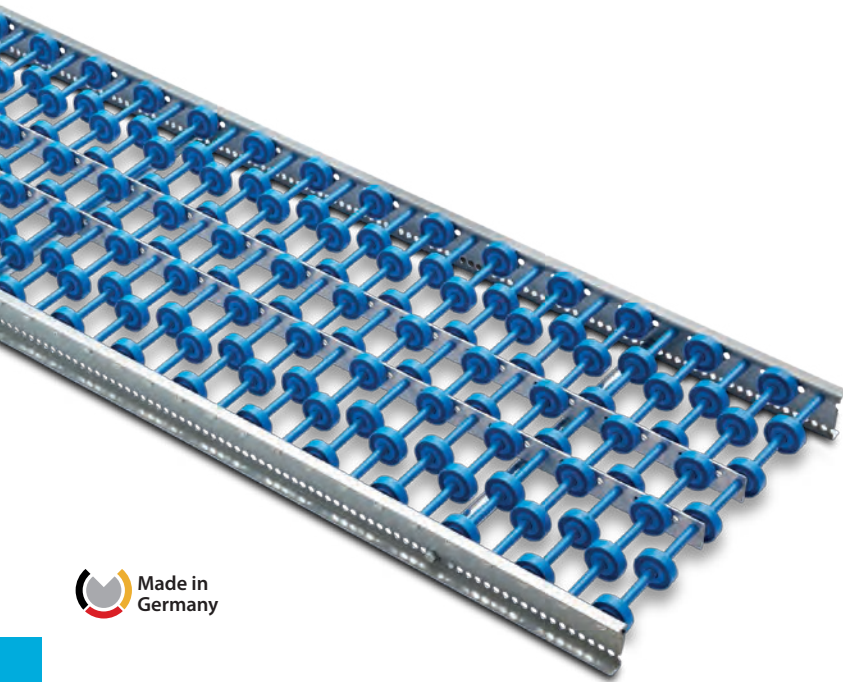
The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The distance or pitch between the axles refers to the distance between the center points of adjacent rollers.

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



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.

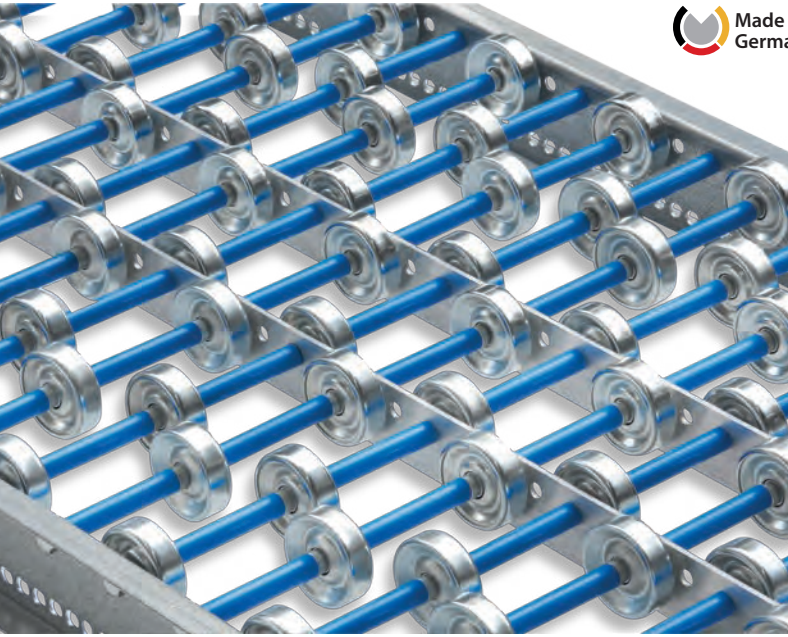
length 1 m	length 2 m	length 3 m	bend 90°	usable width mm	total width mm	pitch mm
205200KUX1.000 Ident No.: 0011457	205200KUX2.000 Ident No.: 0011458	205200KUX3.000 Ident No.: 0011459	-	500	540	200
206050KUX1.000 Ident No.: 0011460	206050KUX2.000 Ident No.: 0011461	206050KUX3.000 Ident No.: 0011462	-	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



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

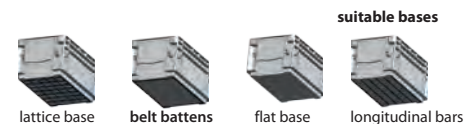
Track width from 900 – 1,000 mm: three-section rollers

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



Made in
Germany

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

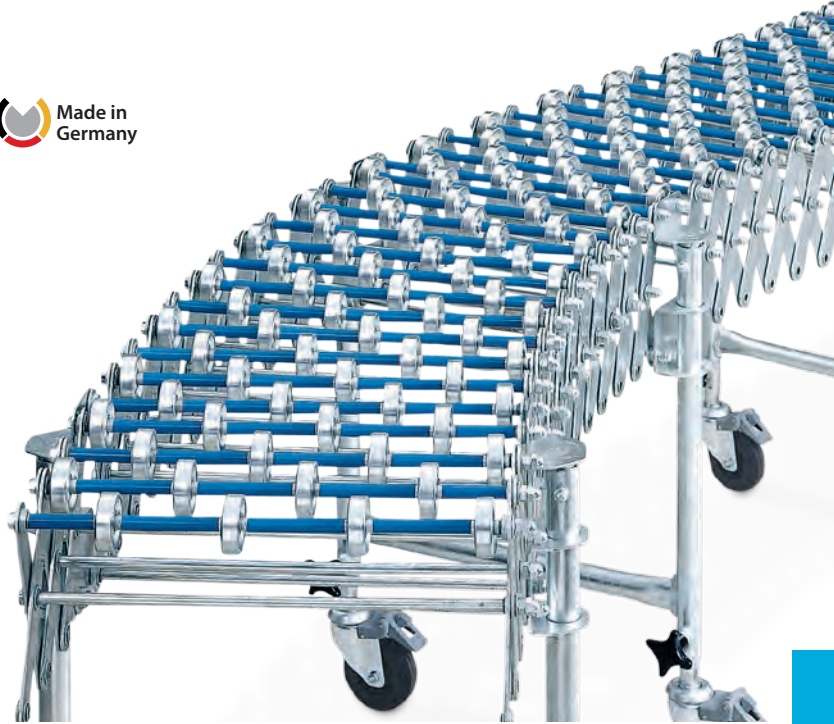
Suitable castors can be found on page 162

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, $\varnothing$ 50 mm
- ball bearing, offset positioned, screwed-on axles, $\varnothing$ 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.)

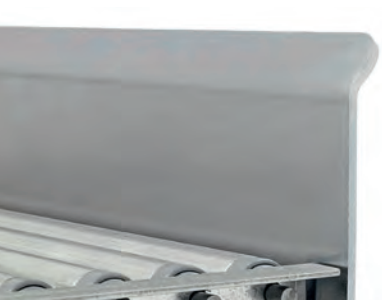
The table tops are available as either bright steel, surface coated or stainless steel. The ball transfer units are mounted using press-in fittings.

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



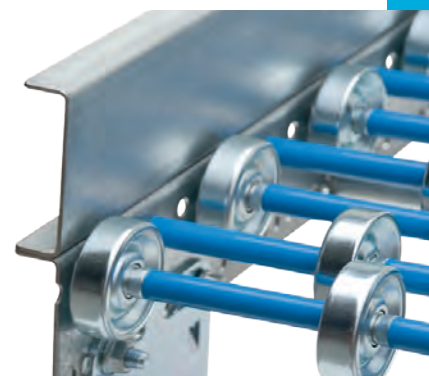
folding passage	track width up to mm	retractable conveyor / folding passage
DG400-5 Ident No.: 0015661	500	with scharnieren
DG400-8 Ident No.: 0015662	800	with scharnieren
DG401-5 Ident No.: 0015663	500	with hinges with additional spring-based balancing of the weight load
DG401-8 Ident No.: 0015664	800	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

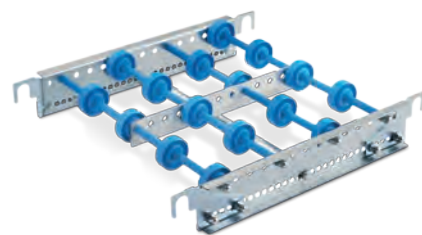
Fixed end stop



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

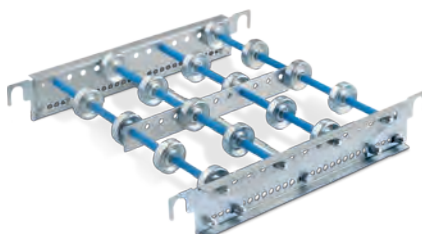
connecting piece	usable width mm	type of roller
V-ST80-300-KU Ident No.: 0026492	300	with plastic rollers Ø 48, type 2300/48/6
V-ST80-400-KU Ident No.: 0026494	400	with plastic rollers Ø 48, type 2300/48/6
V-ST80-500-KU Ident No.: 0026496	500	with plastic rollers Ø 48, type 2300/48/6
V-ST80-600-KU Ident 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.

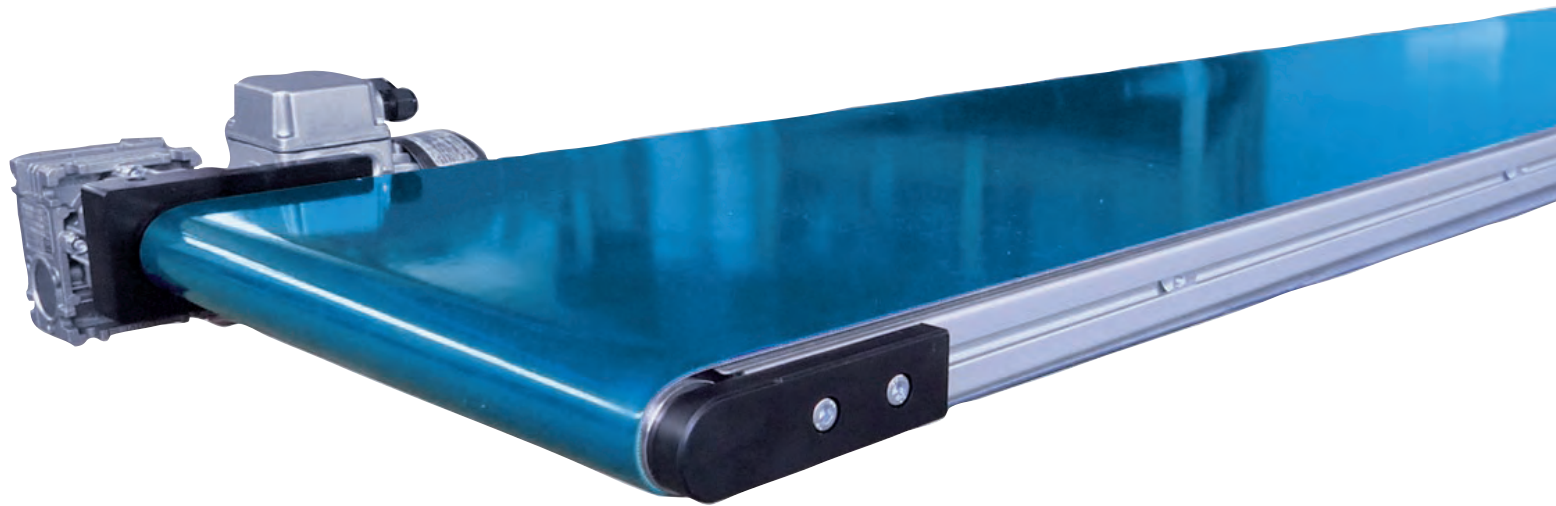
Special designs – for example, featuring a V-shaped support or ball transfer units – are available on request.

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**

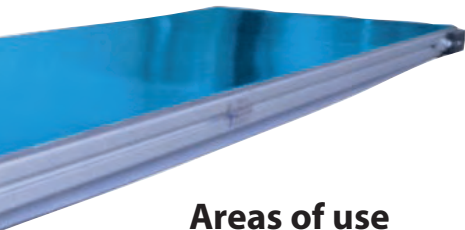
Our determined belt conveyors are ideal for your conveyor systems transport goods that can not be supported on roller conveyors or chain conveyors due to the support surface, but must be moved continuously. They optimize the internal material flow and increase productivity within your company.

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



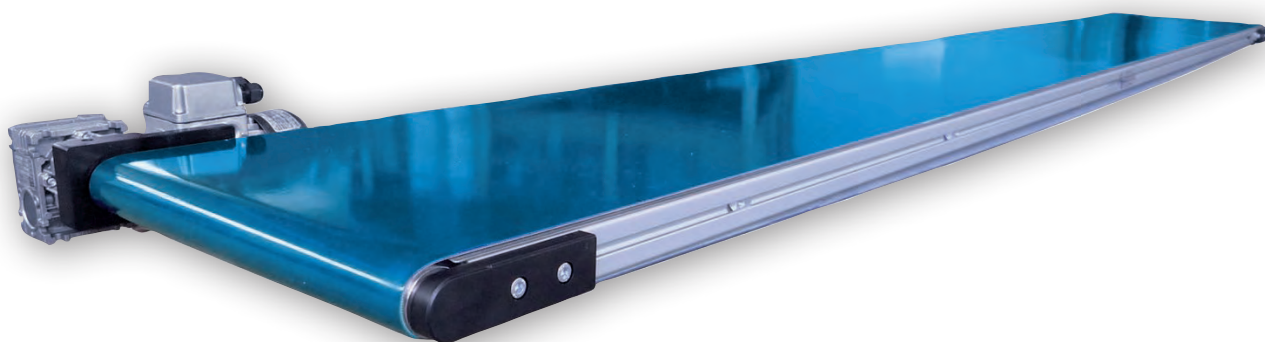
Areas of use

- 🌀 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



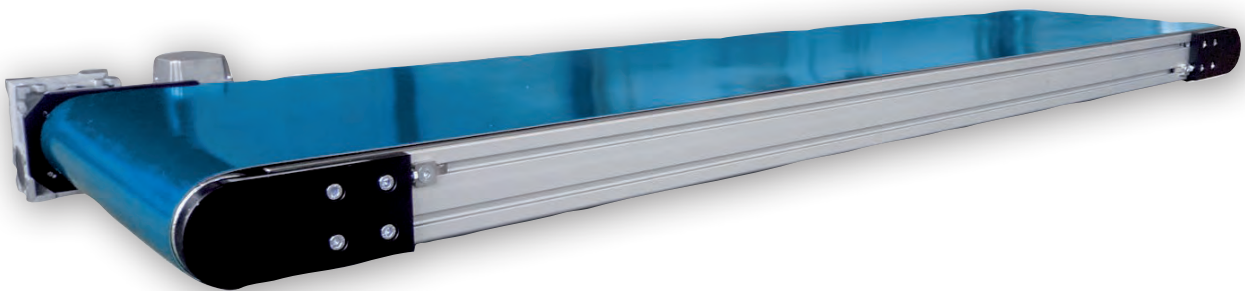
Available as an option

- 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

				
extended pallet roller tracks	heavy-duty roller tracks	multi-transfer tracks	multi-directional roller tracks	ball transfer tracks
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
646	648	650	654	660



"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

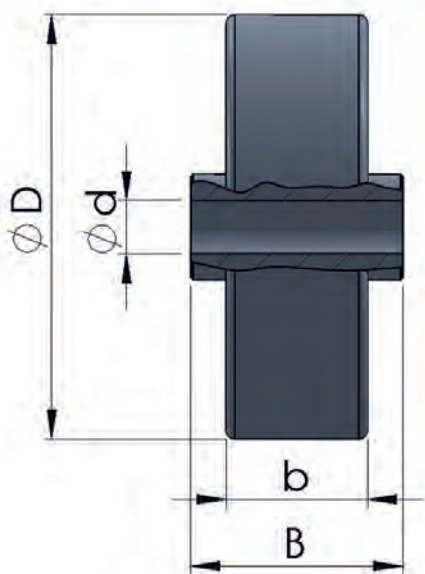
Our versatile conveyor rollers can be used for a wide variety of transportation solutions. Conveyor rollers are mainly used in wheel conveyors, roller tracks and live storage shelving. Our standard product line includes conveyor rollers with diameters ranging from 28 to 120 mm. They are manufactured 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

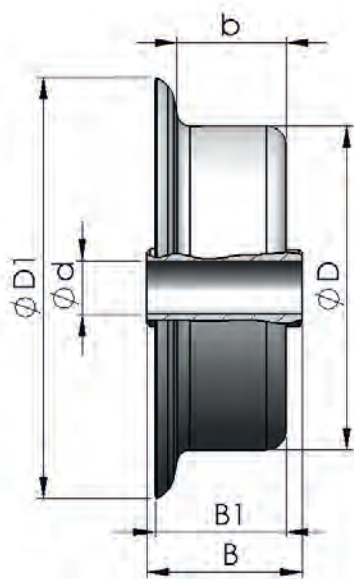
Conveyor rollers are mainly used in roller conveyors, roller tracks and live storage shelving. Conveyors rollers variants are made from steel or plastic, from normal or flanged rollers, and with ball bearings or plain bearing.

We also have rollers with polyurethane tread, rubber coating or PVC tubing in our product line for applications where sensitive goods are being conveyed.

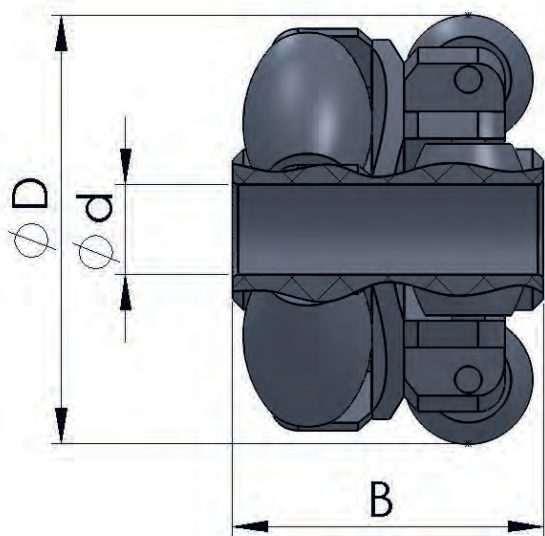
conveyor rollers	D mm	d mm	b mm	B mm	roller material	color	bearing	load-carrying capacity kg
2200-28-6 Ident No.: 0011525	28	6	12	24	steel galvanized	galvanized	ball bearing	10
2200-48-6 Ident No.: 0011527	48	6	16	24	steel galvanized	galvanized	ball bearing	20
2200-48-8 Ident No.: 0011528	48	8	16	24	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



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.

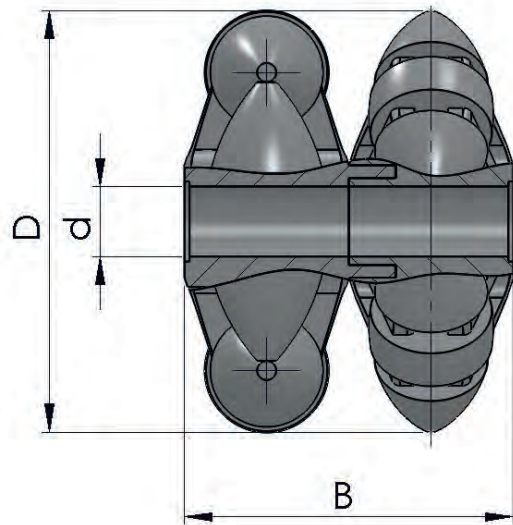
roller	D mm	d mm	B mm	roller material	color	bearing	load-carrying capacity kg
AWR40 Ident No.: 0015025	40	8.4	29	polyamide	red	plain bearing	10
AWR40PUR Ident No.: 0015027	40	8.4	29	polyurethane	green	plain bearing	10
AWR48 Ident No.: 0015028	48	8.4	39	polyamide	grey	plain bearing	15
AWR60 Ident No.: 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

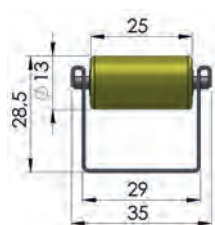
- 🔗 axle and sectional profile in stainless steel
- 🔗 stainless steel axle
- 🔗 highly conductive plastic rollers
- 🔗 heat-resistant steel rollers
- 🔗 plastic rollers with rubber press-on binding
- 🔗 plastic rollers with stainless steel press-on binding

Areas of use

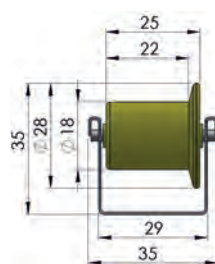
- 🔗 packaging and picking tables
- 🔗 wheel conveyors and carpets for interlinking two work stations
- 🔗 assembly aids
(e.g. for use in the wood and window manufacturing industries)
- 🔗 guide rails for conveying systems
- 🔗 and much more



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.

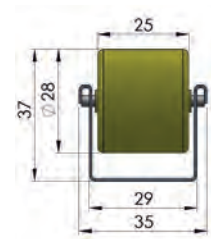
Order example: RU-16N-Mini/2x1,500

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.

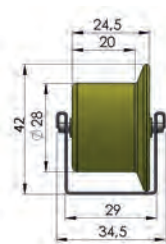


"The RU-16N-Mini and RU-33N are available in 2m and 3m lengths directly from stock"

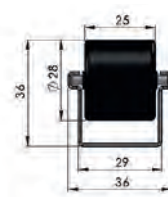
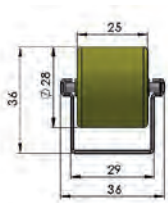
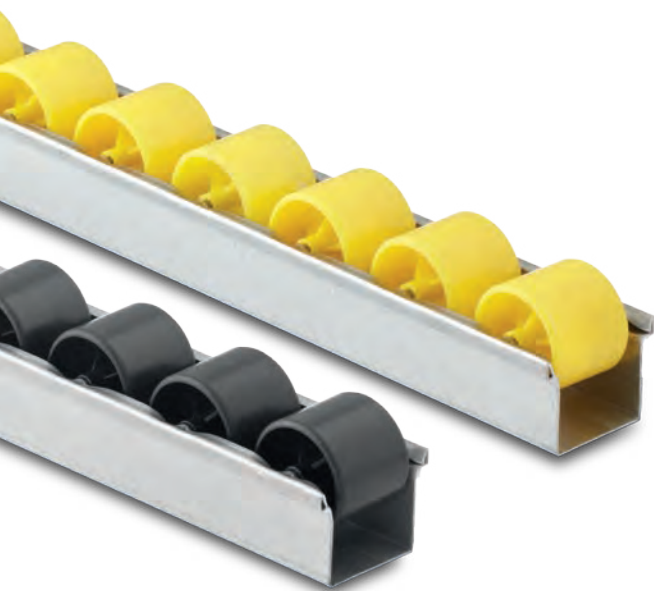
series RU-N	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33N Ident No.: 0023600	33	polypropylene	plain bearing	6
RU-50N Ident No.: 0023620	50	polypropylene	plain bearing	6
RU-66N Ident No.: 0023632	66	polypropylene	plain bearing	6
RU-83N Ident No.: 0023639	83	polypropylene	plain bearing	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

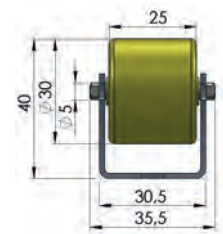
The specified roller partitioning (00, 16, 33, 50, 66, 83) are only approximate values. The exact hole pitch is 16.667 mm +/- 0.1 mm.

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.

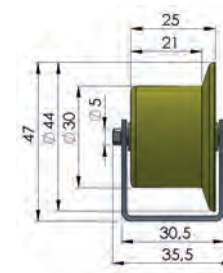
Order example: SF-33N/2x1,500

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:

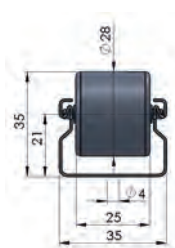
- made of polypropylene-PP)
- available in grey, yellow, black and blue
- can be used from -30° C to +100° C
- highly conductive rollers: -20° to +40° C

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:

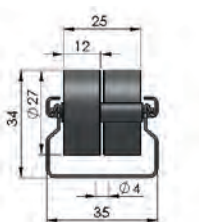
- galvanized steel sheet: 0.8 mm thick
 - the roller rails are manufactured individually to match your required length and pitch.
- They are available in lengths up to 4,500 mm.



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)

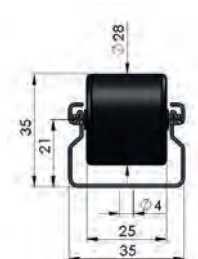
When ordering, please indicate your desired rail/track type (roller type and pitch) along with your desired length.

Order example: RU-50-VA-XL/2x1,500

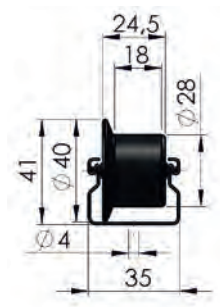
The conveyed goods must rest on at least three rollers in order to ensure that they are conveyed smoothly and do not tip over. The axle gap (or pitch) indicates the distance from the middle of one roller to the middle of the next roller, in the direction of conveying.



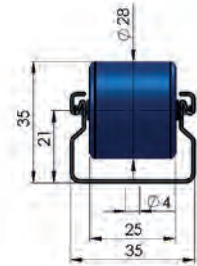
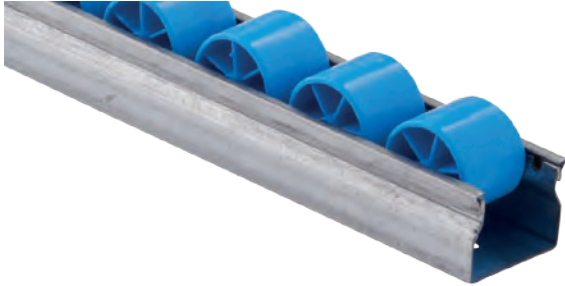
series RU-HL-XL	pitch mm	roller material	bearing	load capacity/ roller kg
RU-33HL-XL Ident No.: 0037962	33	polypropylene	plain bearing	15
RU-50HL-XL Ident No.: 0037997	50	polypropylene	plain bearing	15
RU-66HL-XL Ident No.: 0038003	66	polypropylene	plain bearing	15



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



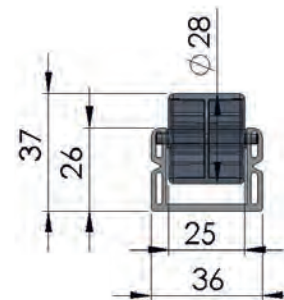
Roller rails for freezer applications down to -30° C



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

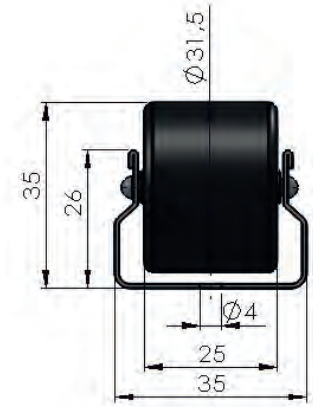


**"Germ-free components:
suitable for direct contact with food"**

High-load roller rails



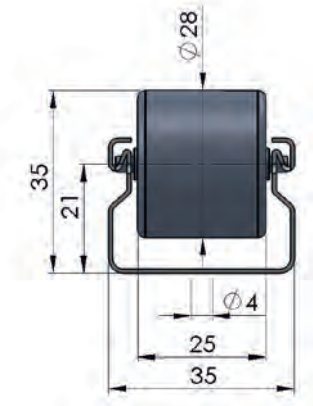
Reinforced sheet and rollers enable more than 100 kg of vertical load capacity per roller under a horizontal-positioned load.



Roller rail with stainless steel press-on binding



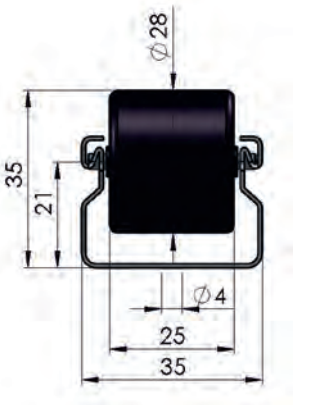
The rust-free press-on binding on the roller prevents the conveyed goods from being contaminated with rust. It also increases the wear resistance of the plastic rollers, thus increasing the overall service life.



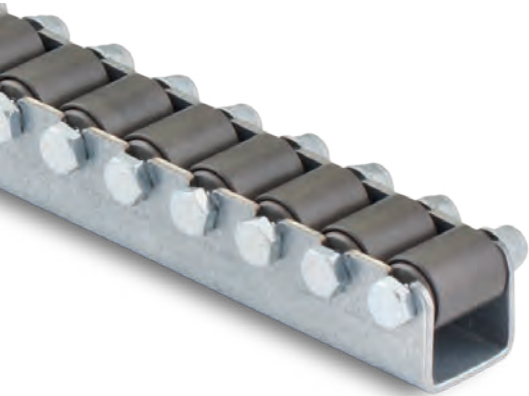
Roller rail with rubber press-on binding



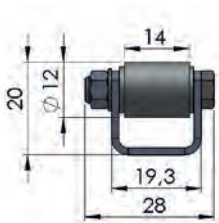
The rubber press-on binding reduces the noise created by gravity-driven roller conveyors (e.g. when carrying metal boxes with noisy contents). Please note that a slight slowing of the gravity-driven conveyed goods may occur.



roller rails // up to 40 kg per roller

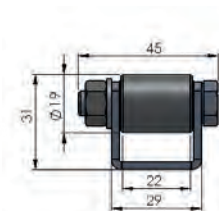
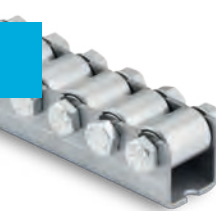


0 10 mm



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.

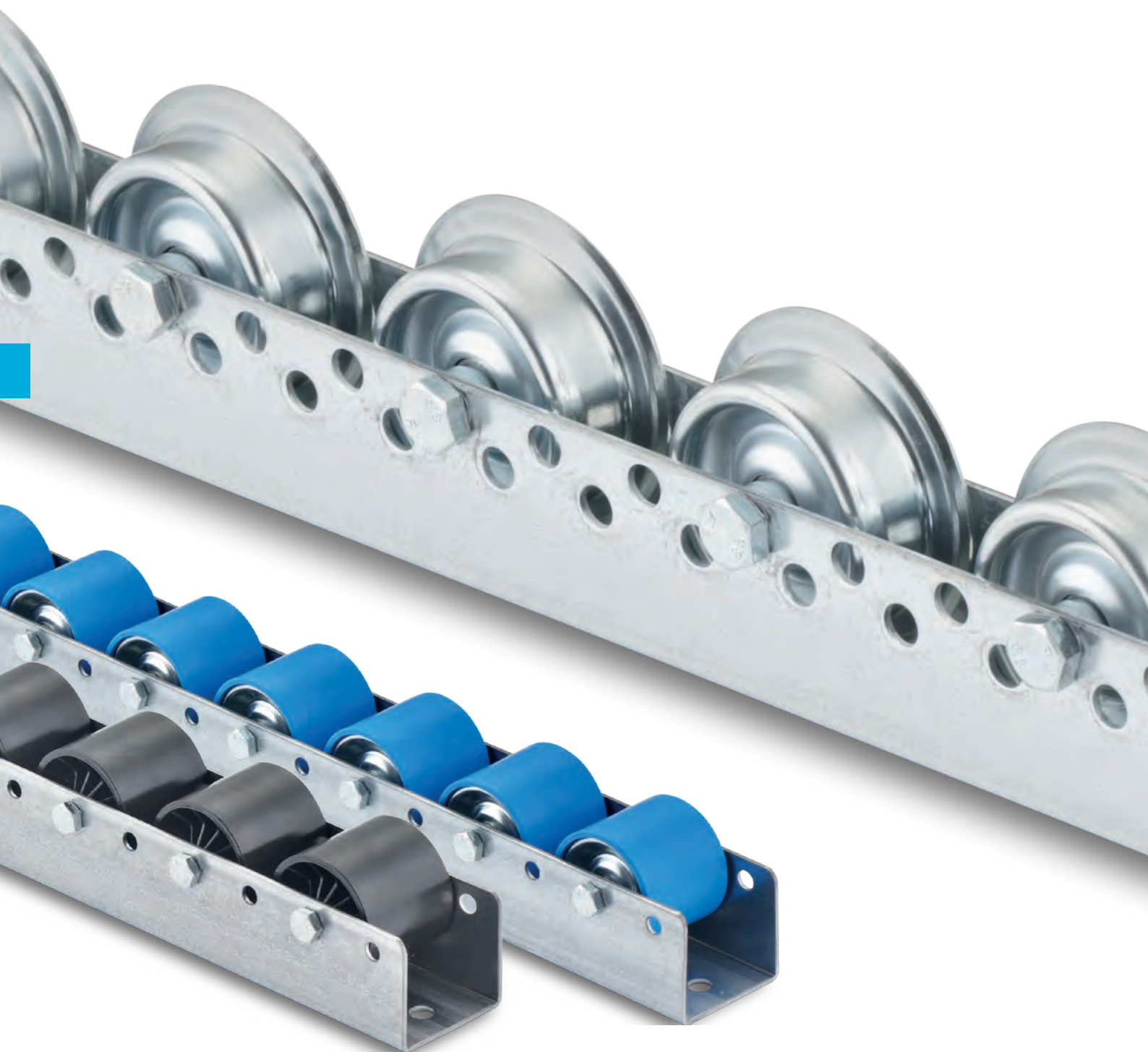
When ordering, please specify the desired track type (type of roller and pitch) and your desired length.

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

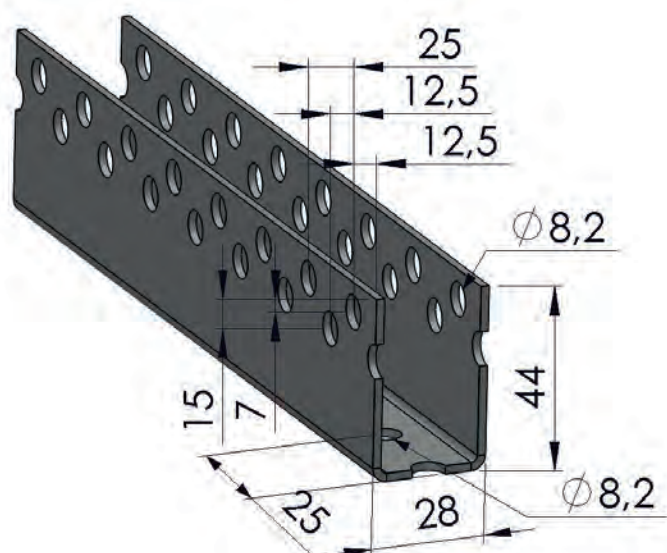
- 🔗 rollers with or without flange
- 🔗 rollers with plain or ball bearings
- 🔗 rollers made from various materials
- 🔗 brush rollers

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



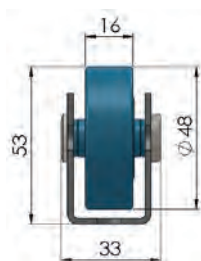
All-purpose roller tracks

Rollers:

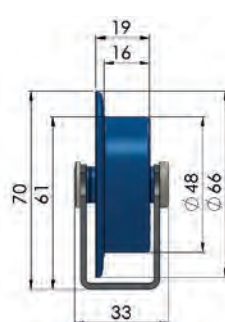
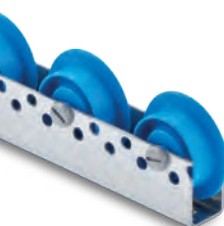
- steel, plastic and polyurethane rollers:
with standard or flanged roller, Ø 48 to Ø 54 mm
(flanged up to Ø 66 mm)
- with ball or plain bearing
- load capacity: 2 – 80 kg/roller

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.

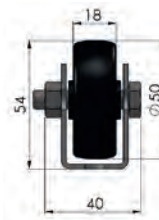
Screwed connection:

- 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

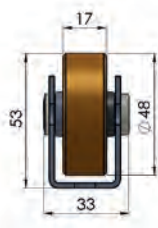


series US-NR07	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR07-050 Ident No.: 0019004	54	62	50	polyamide	plain bearing	40
US-NR07-075 Ident No.: 0019003	54	62	75	polyamide	plain bearing	40
US-NR07-100 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

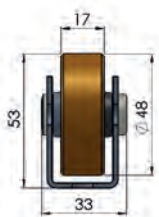


Suitable castors can be found on page 226

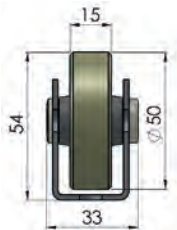
all-purpose roller tracks // up to 80 kg per roller



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



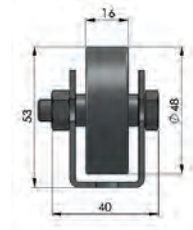
series US-NR08	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR08-050 Ident No.: 0029168	53	61	50	plastic rollers with poly-urethane coating	ball bearings	40
US-NR08-075 Ident No.: 0029169	53	61	75	plastic 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



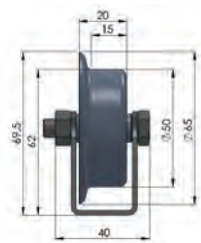
series US-NR04	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR04-075 Ident No.: 0030267	54	62	75	polyurethane	ball bearings	80
US-NR04-100 Ident No.: 0027875	54	62	100	polyurethane	ball bearings	80
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

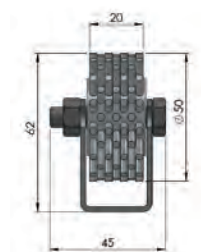
series US-NR20	installation height, lower row of holes mm	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR20-050 Ident No.: 0026400	53	61	50	steel	ball bearings	20
US-NR20-075 Ident No.: 0026402	53	61	75	steel	ball bearings	20
US-NR20-100 Ident 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



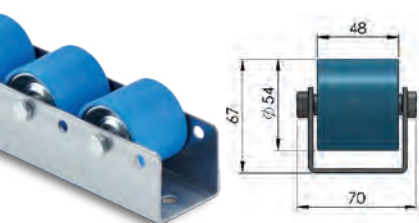
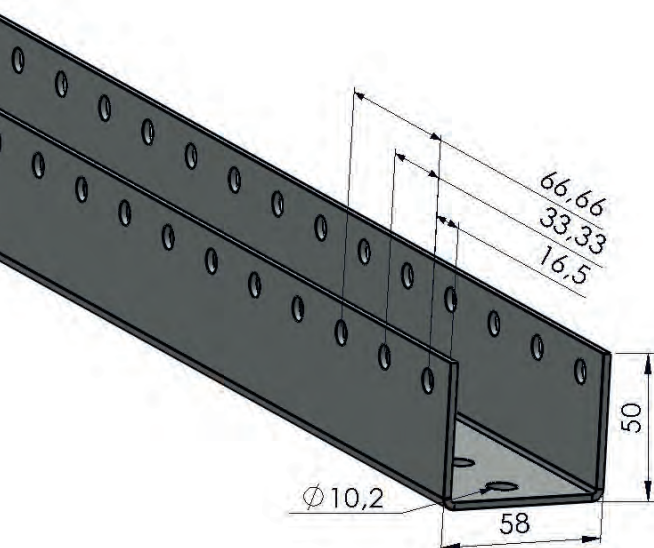
series US-SR20	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-SR20-075 Ident No.: 0026457	69.5	75	steel	ball bearings	15
US-SR20-100 Ident No.: 0026435	69.5	100	steel	ball bearings	15
US-SR20-125 Ident No.: 0026437	69.5	125	steel	ball bearings	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



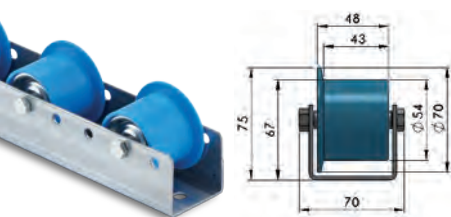
series US-NR30	installation height, upper row of holes mm	pitch mm	roller material	bearing	load capacity / roller kg
US-NR30-075 Ident No.: 0026409	62	75	plastic	plain bearing	2
US-NR30-100 Ident No.: 0026403	62	100	plastic	plain bearing	2
US-NR30-125 Ident No.: 0026404	62	125	plastic	plain bearing	2
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



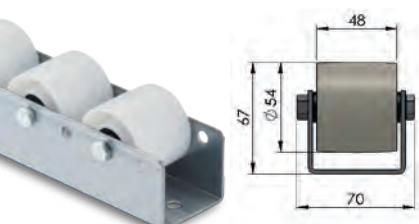
Suitable castors can be found on page 226



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:

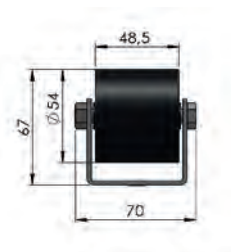
- with steel screw (M8)

When ordering, please specify the desired track type (type of roller and pitch), the desired length and the screw connection:

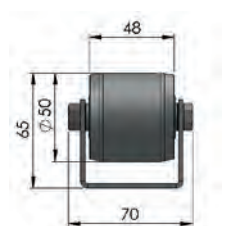
Order example: US-NR80-066/2x1,500

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.

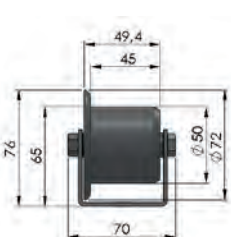
series US-NR70	pitch mm	roller material	bearing	load capacity / roller kg
US-NR70-066 Ident No.: 0027333	66	polyamide	plain bearing	60
US-NR70-100 Ident No.: 0027334	100	polyamide	plain bearing	60
US-NR70-133 Ident No.: 0027335	133	polyamide	plain bearing	60
US-NR70-166 Ident No.: 0027336	166	polyamide	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

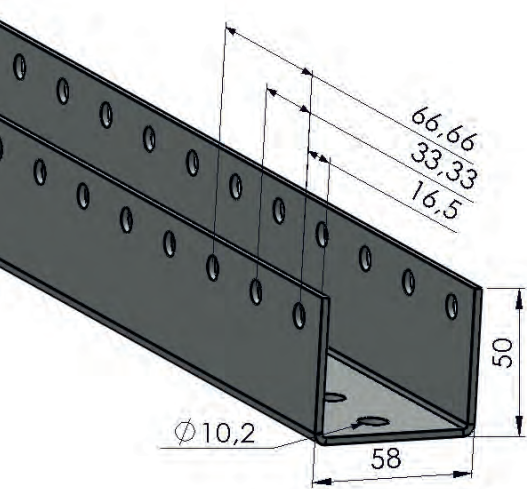


series US-SR80	pitch mm	roller material	bearing	load capacity / roller kg
US-SR80-100 Ident No.: 0027329	100	steel	ball bearing	120
US-SR80-133 Ident No.: 0027330	133	steel	ball bearing	120
US-SR80-166 Ident No.: 0027331	166	steel	ball bearing	120
US-SR80-200 Ident No.: 0027332	200	steel	ball bearing	120



Suitable castors can be found on page 226

colli roller tracks // up to 500 kg per roller



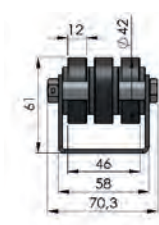
Colli roller tracks series US-NR-6004

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

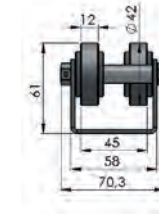
Profile:

- 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



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



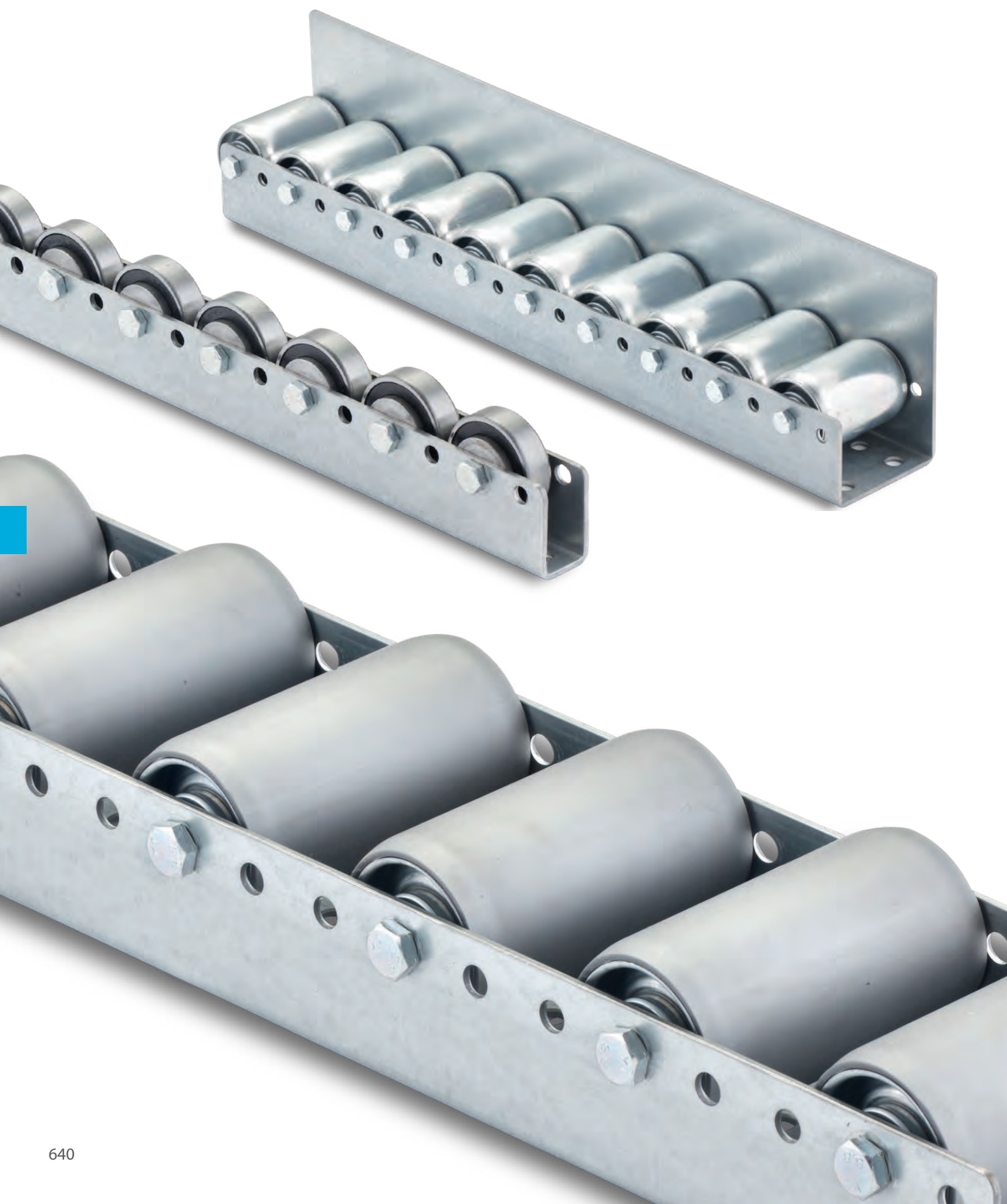
colli roller tracks // up to 500 kg per roller



"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

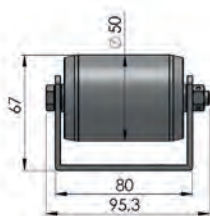
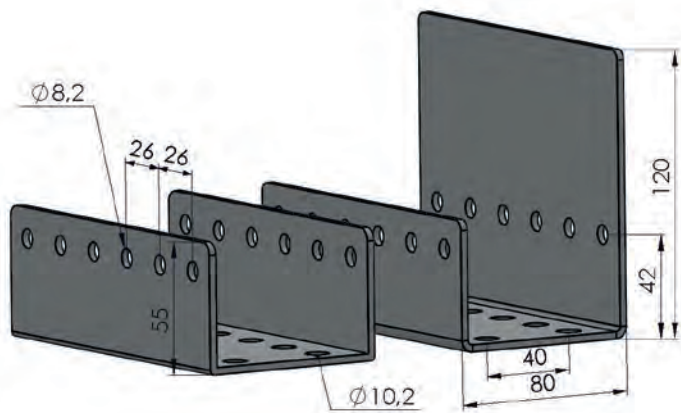
- storage strategies (FIFO, LIFO)
- live storage shelving
- flowing storage
- conveyor lines
- connecting multiple work stations
- and much more



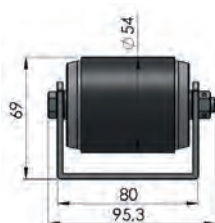
pallet roller tracks // up to 160 kg per roller

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:

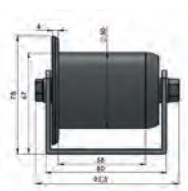
Order example: NR100-052-2/2x1,500

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

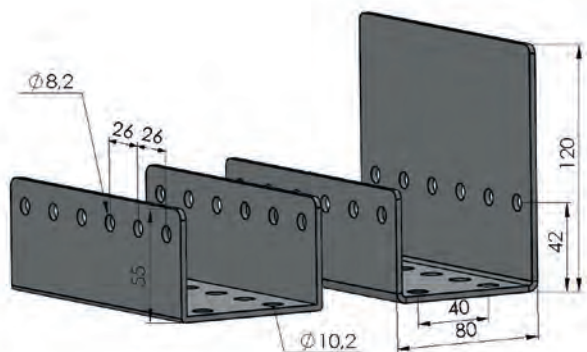


Suitable castors can be found on page 227

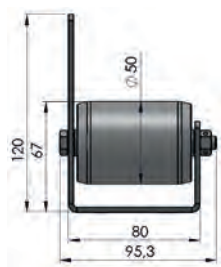
pallet roller tracks // up to 160 kg per roller

Profile 2

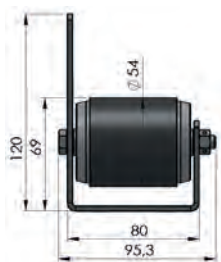
Profile 3



“Profile raised on one side in order to guide the conveyed goods: this prevents sliding and tilting”

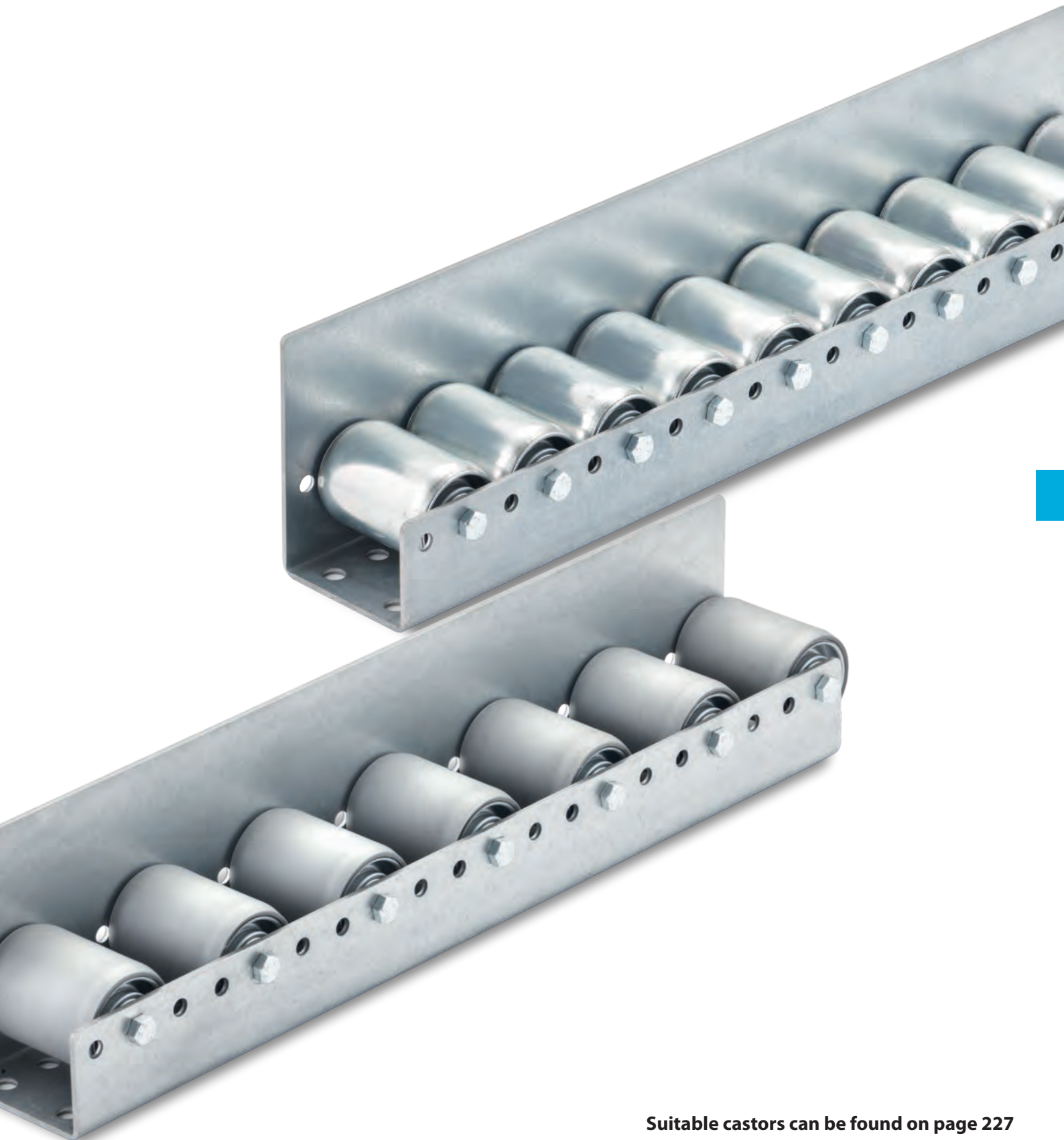


series NR100-3	pitch mm	roller material	bearing	load capacity / roller kg
NR100-052-3 Ident No.: 0027315	52	steel	ball bearing	160
NR100-078-3 Ident No.: 0027316	78	steel	ball bearing	160
NR100-104-3 Ident No.: 0027317	104	steel	ball bearing	160
NR100-130-3 Ident No.: 0027318	130	steel	ball bearing	160
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:

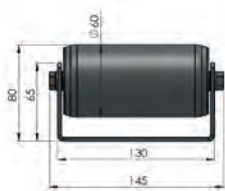
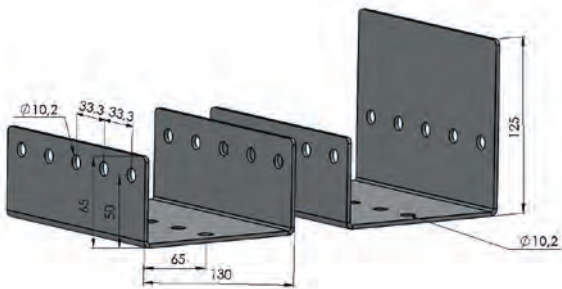
- steel rollers: in standard version or flanged roller with Ø 60 mm
- standard rollers with 2 mm PVC cover tubing, Ø 64 mm
- ball bearing-mounted
- load capacity: 160 kg/roller

Profile:

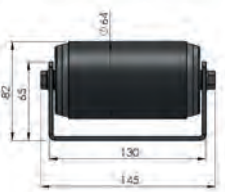
- made of galvanized steel sheet, S = 2.8 mm
- profile 1: max. 6,000 mm; profile 3: max. 2,966 mm
- our pallet roller tracks are manufactured to match your required lengths and pitches

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:

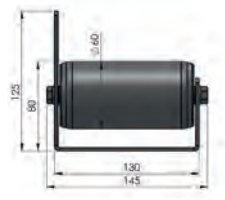
Order example: NR200-100-1/2x1,500

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.

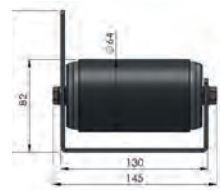


“Profile raised on one side in order to guide the conveyed goods: this prevents sliding and tilting”

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

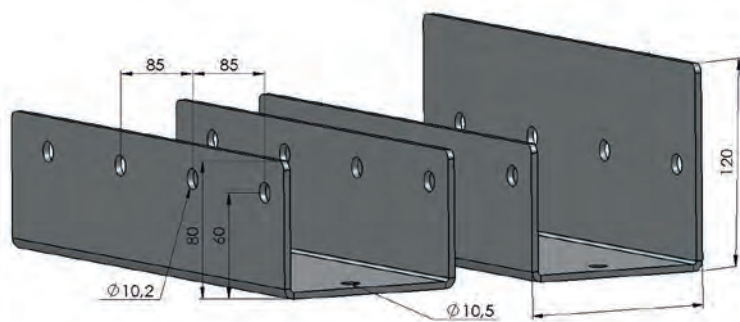


series NR210-3	pitch mm	roller material	bearing	load capacity / roller kg
NR210-066-3 Ident No.: 0027279	66	steel roller with PVC cover tube	ball bearing	160
NR210-100-3 Ident No.: 0027280	100	steel roller with PVC cover tube	ball bearing	160
NR210-133-3 Ident No.: 0027281	133	steel roller with PVC cover 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

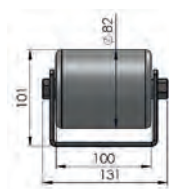
Rollers:

- polyamide or polyurethane rollers

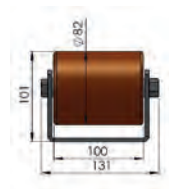
Profile:

- 4 mm thick, galvanized profile
- optionally available with raised section on one side
- max. length: 2,975 mm

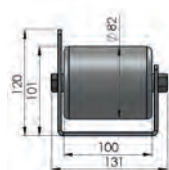
Our heavy-duty roller tracks are manufactured to match your required lengths and pitches. Profile raised on one side in order to guide the conveyed goods: this prevents sliding and tilting.



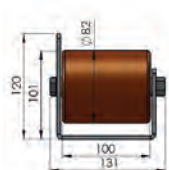
series 998-KN82	pitch mm	roller material	bearing	load capacity / roller kg
998-SRS100-85-KN82 Ident No.: 0029192	85	polyamide	deep-groove ball bearing	1,000
998-SRS100-170-KN82 Ident No.: 0029193	170	polyamide	deep-groove ball bearing	1,000



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.

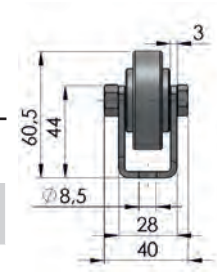
The max. length is 2,975 mm.

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

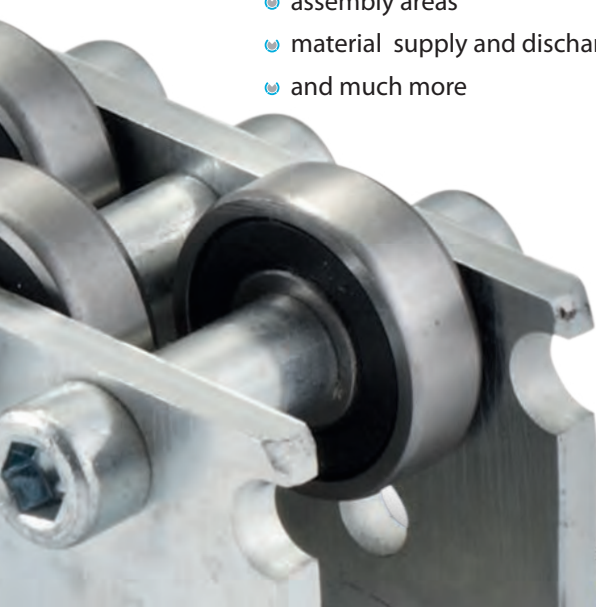
- offset ball bearing 6300-2RS
- rollers Ø 38 mm in standard lengths 60/100/146 mm
- rollers Ø 42 mm in standard length 100 mm

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

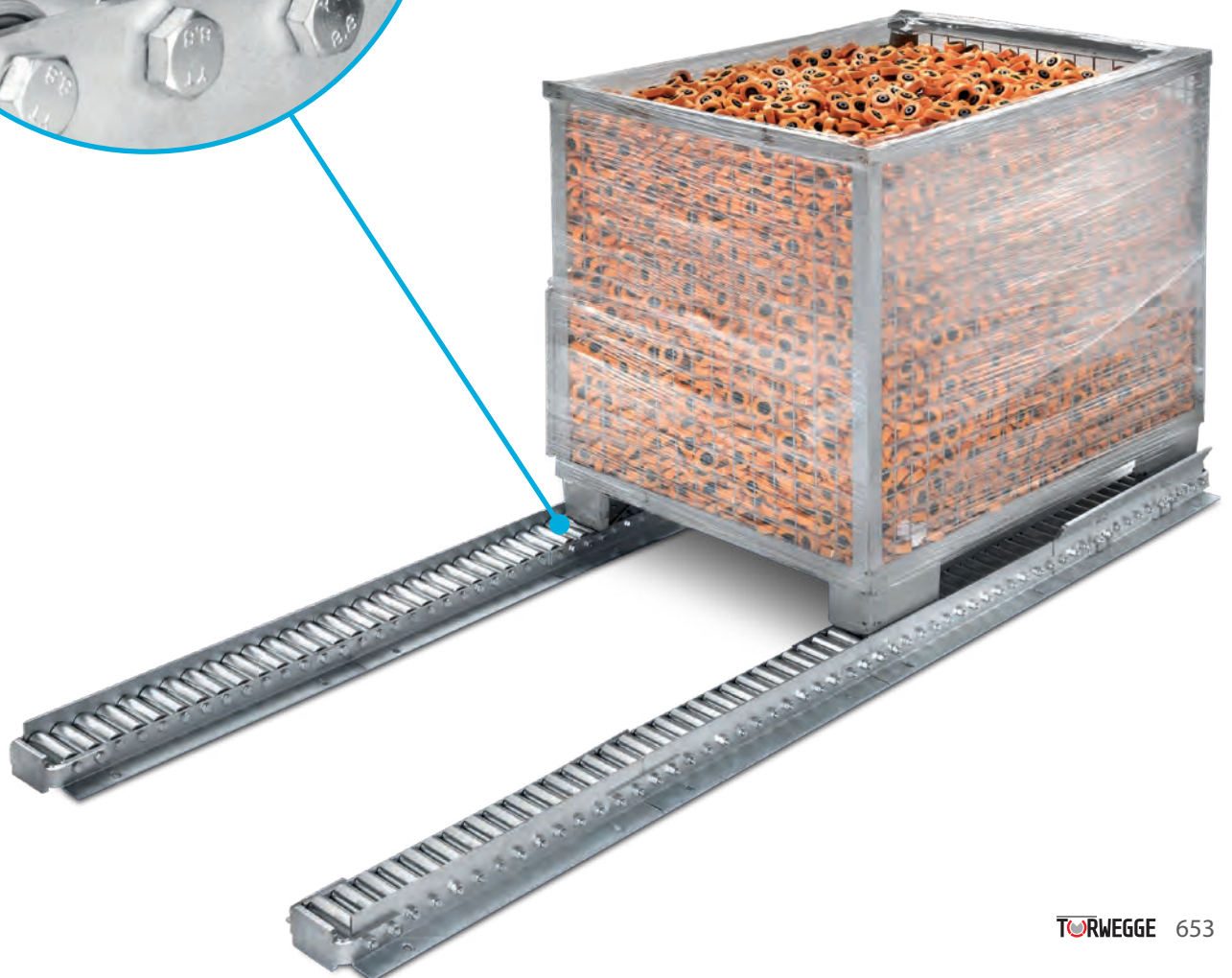
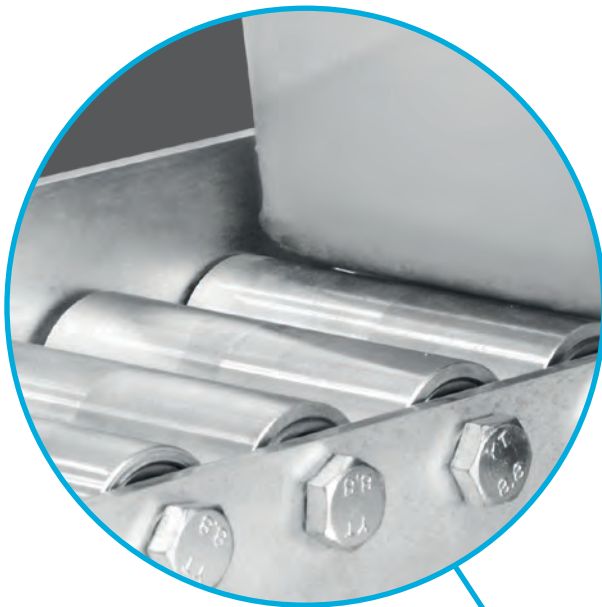
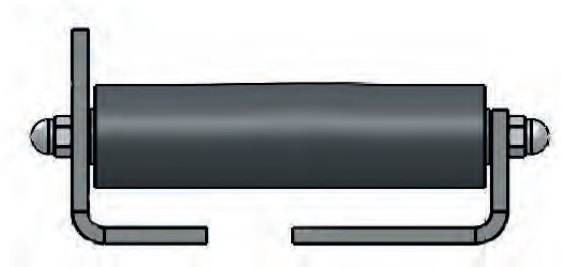


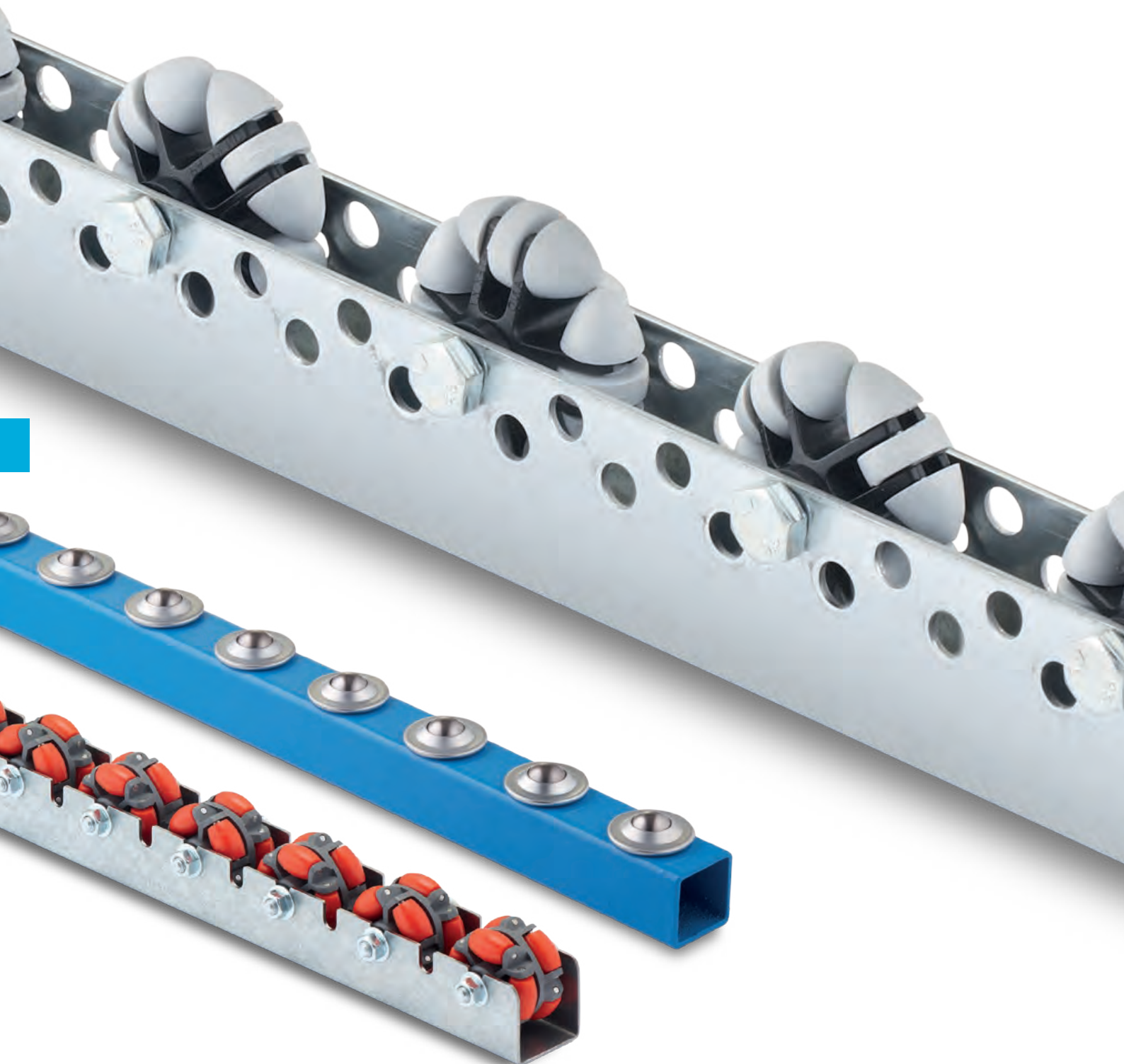
"Please check out our new applications from page 18"

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



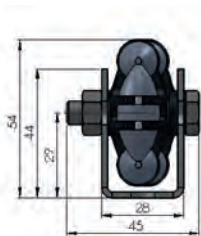
Multi-directional roller tracks, type ASR

Rollers:

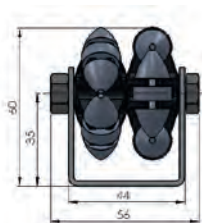
- rollers made of polyamide

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.

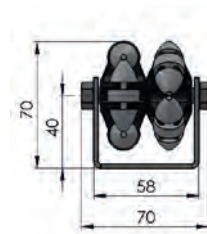
The dimensions and weight of the material being conveyed will determine the spacing of the rollers or the bars. The relevant forces should be determined, when necessary, through trial runs.

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

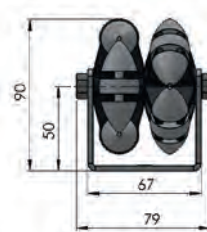
Order example: ASRS50-100/2x1,500

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

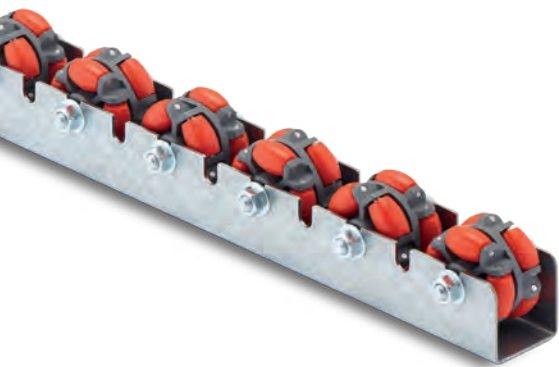


series ASRS80	pitch mm	roller material	bearing	load capacity / roller kg
ASRS80-100 Ident No.: 0014975	100	plastic	plain bearing	40
ASRS80-133 Ident No.: 0014976	133	plastic	plain bearing	40
ASRS80-166 Ident No.: 0014977	166	plastic	plain bearing	40
ASRS80-200 Ident No.: 0014978	200	plastic	plain bearing	40



Suitable castors can be found on page 228

multi-directional roller tracks // up to 15 kg per roller



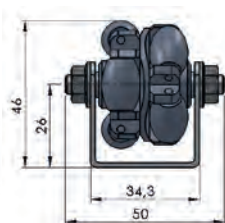
Multi-directional roller tracks, type AWRs

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.

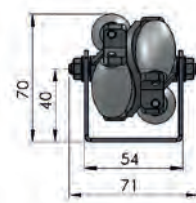
The dimensions and weight of the material being conveyed will determine the spacing of the rollers or the bars. The relevant forces should be determined, when necessary, through trial runs.

When ordering, please specify the desired track type (type of roller and pitch) and your desired length:

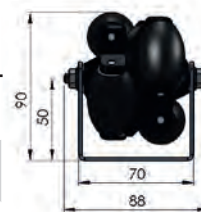
Order example: AWR548-100/2x1,500

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.

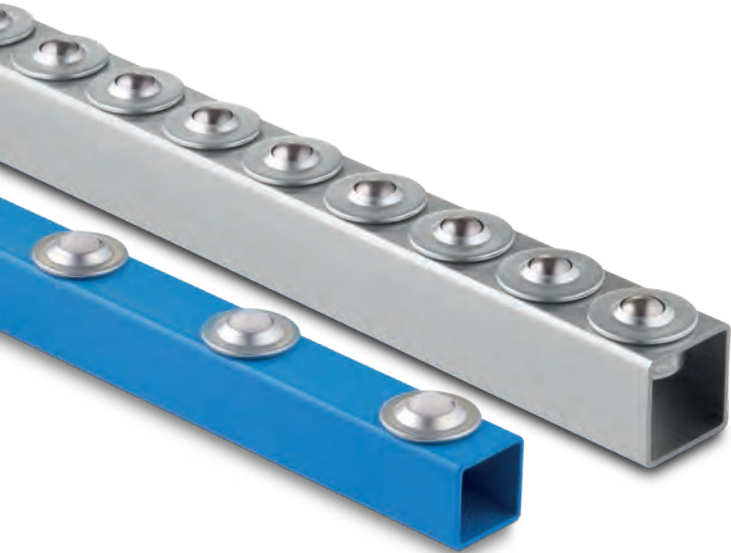
series AWR560	pitch mm	roller material	bearing	load capacity / roller kg
AWRS60-100-A Ident No.: 0015041	100	polyamide	plain bearing	20
AWRS60-150-A Ident No.: 0015042	150	polyamide	plain bearing	20
AWRS60-200-A Ident No.: 0027826	200	polyamide	plain bearing	20



series AWR580	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



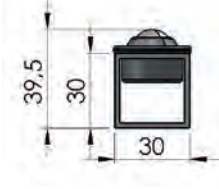
Ball transfer tracks

Ball transfer units:

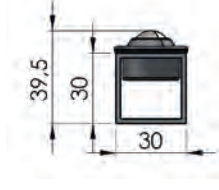
- ball transfer units in galvanized housing with steel or plastic ball
- also available with stainless steel ball and solid housing on request

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.

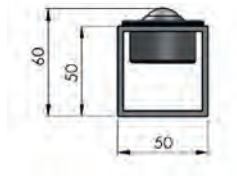


"We can turn you in any direction"

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

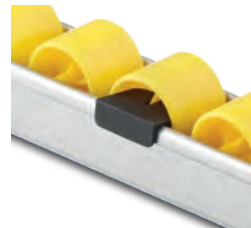


series KRS22B-KU	pitch mm	roller material	load capacity / roller kg
KRS22B-KU-075 Ident No.: 0027618	75	plastic	20
KRS22B-KU-100 Ident No.: 0028007	100	plastic	20
KRS22B-KU-150 Ident No.: 0027872	150	plastic	20
KRS22B-KU-200 Ident No.: 0040505	200	plastic	20





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



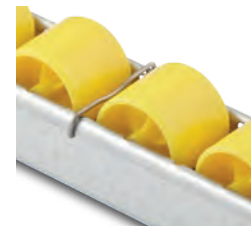
order number	description
RU-KS Ident No.: 0026919	edge protection for roller rail, type RU



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

US-EU
Ident No.: 0026932

description

end stop for all-purpose roller track



order number

NR-EC
Ident No.: 0027514

description

sliding end stop for colli roller track



order number

US-SEU
Ident No.: 0026933

description

sliding end stop for pallet roller track



order number

NR-SEC
Ident No.: 0027515

description

sliding end stop colli roller track



order number

US-VU
Ident No.: 0026934

description

connector for all-purpose roller track



order number

NR-RSC
Ident No.: 0027516

description

roller protection for colli roller track



order number

NR-VC
Ident No.: 0027517

description

connector for colli roller track



order number

NR-RUC
Ident No.: 0032511

description

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



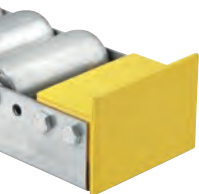
order number	description
NR-BASE FRAME Ident No.: 0039328	base frame for pallet roller track



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



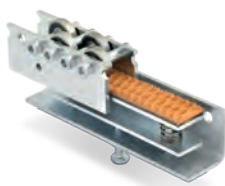
order number	description
EA60 Ident No.: 0040506	end stop for multi-directional ASRS60 roller track



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.

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.

shelf pull-out extensions	storage direction
RA-L-1220x820x100 Ident-No.: 0033586	lengthwise storage
RA-Q-800x1200x100 Ident-No.: 0040878	crossways storage

The width contact surface provides a more stable and safe support for various transport containers. A side guide prevents slippage.

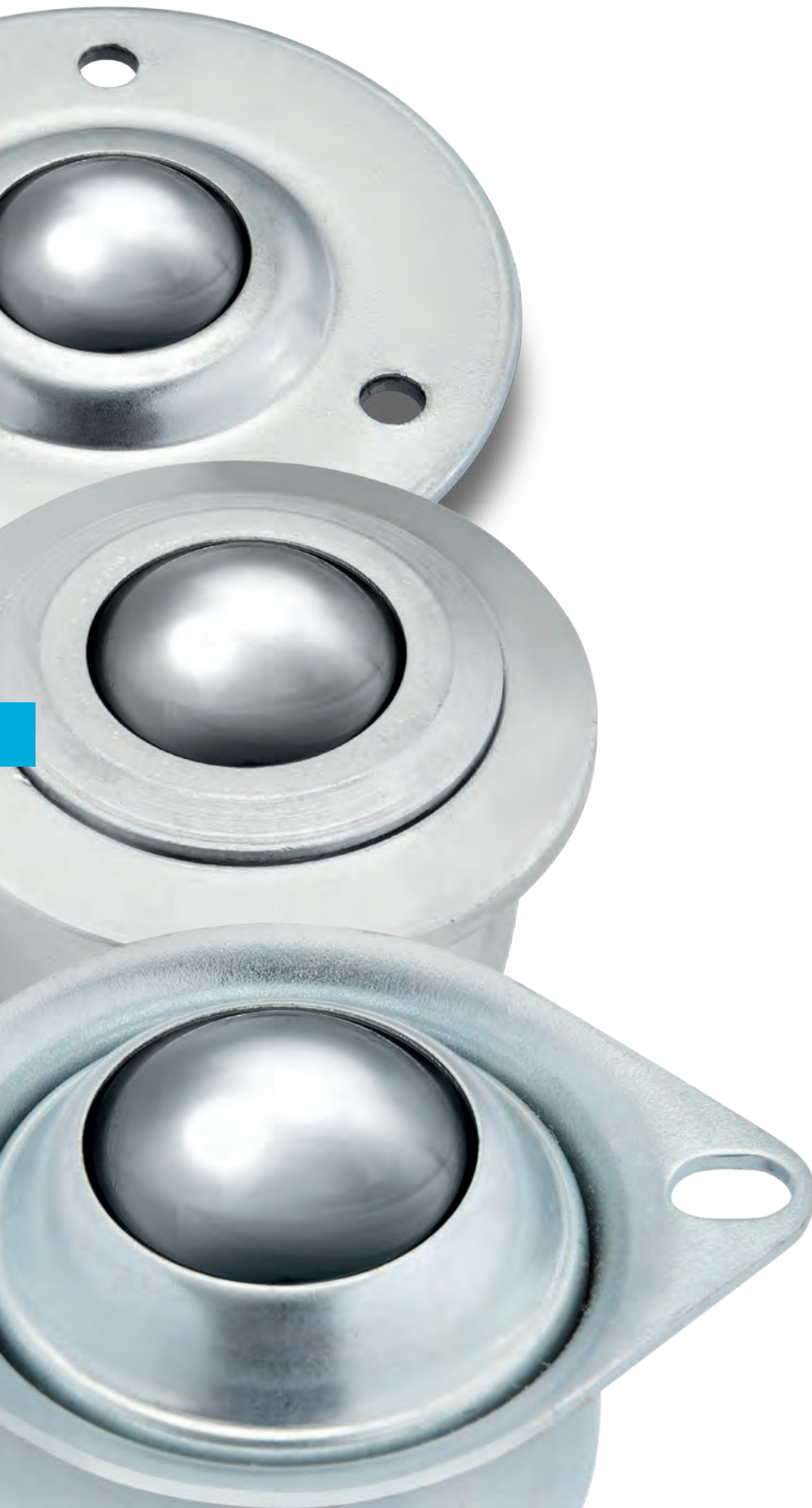
Our rack pull-out extension helps to significantly reduce risks of injury. So your application benefits from the increased safety and comfort.



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"**



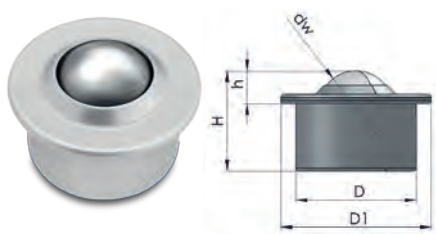
+49 800 9341700

Give us a call for more advice on planning your
personal facility.

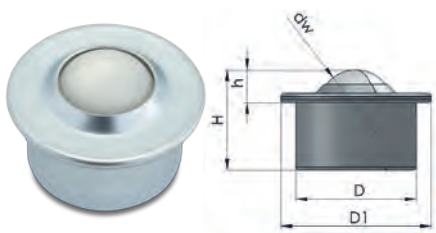


Ball transfer units with steel plate housings

- 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



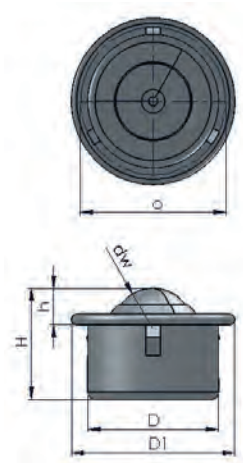
ball transfer series KR-B	dw mm	D mm	D1 mm	H mm	h mm	load-carrying capacity kg
KR-B-15 Ident No.: 0017480	15.8	24	31	21	9.5	60
KR-B-22 Ident No.: 0017490	22.2	36	45	30	9.8	160
KR-B-30 Ident No.: 0017499	30	45	55	37	13.8	300
KR-B-45 Ident No.: 0017510	44.5	62	75	53.5	19	610
KR-B-15-VA Ident No.: 0017482	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

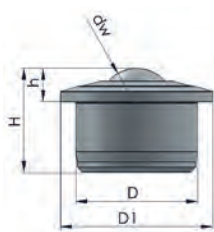


Ball transfer units made from solid material

- 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

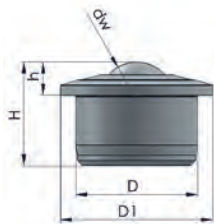
Temperature resistance:

- 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



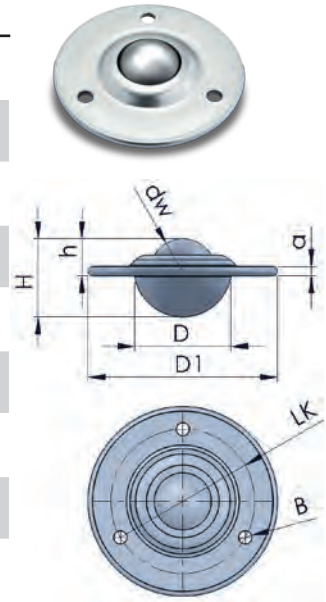
ball transfer series KR-MC	dw mm	D mm	D1 mm	H mm	h mm	load-carrying capacity kg
KR-MC-30 Ident No.: 0017503	30	45	55	36.8	13.8	350
KR-MC-45 Ident No.: 0017514	44.5	62	75	53.5	19	600
KR-MCVA-30 Ident No.: 0017504	30	45	55	36.8	13.8	200
KR-MCVA-45 Ident No.: 0017515	44.5	62	75	53.5	19	600
KR-MC-30-VA Ident 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

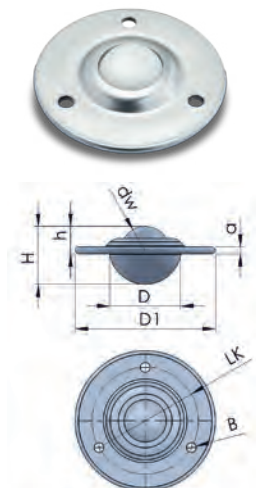
- KR-S = galvanized steel plate housing with steel ball
- KR-SVA = all parts from stainless steel
- KR-S-KU = galvanized housing with plastic ball
- Low installation height due to flange mounting
- with 2 or 3 mounting holes
- all load-carrying capacity specifications are valid for use with an upright 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



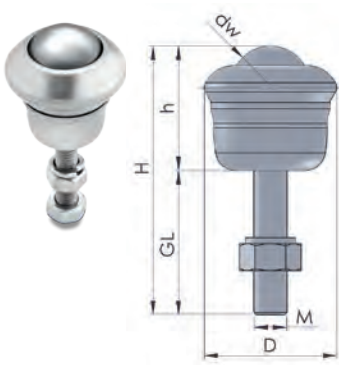
ball transfer series KR-S-KU	dw mm	D mm	D1 mm	H mm	h mm	a mm	LK mm	B mm	load-carrying capacity kg
KR-S-20-KU Ident No.: 0014722	19	29.1	61	22	10	3.2	44.5	5.1	20
KR-S-25-KU Ident No.: 0014725	25	37.2	73	30	14.2	3.5	55.6	5.1	24



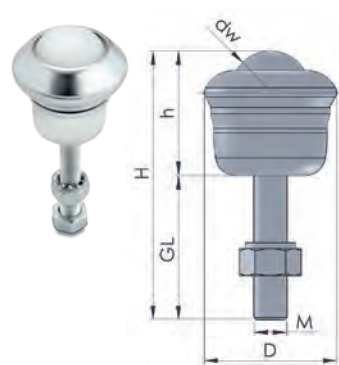
Suitable castors can be found on page 248

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

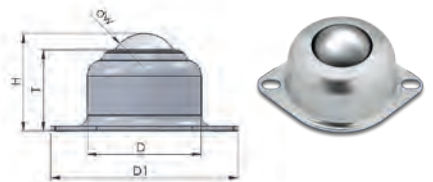
- KR-F (KR-UO) = galvanized housing with steel ball
- KR-FVA (KR-UVA) = all parts from stainless steel
- KR-F-KU (KR-U-KU) = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead installations

Temperature resistance:

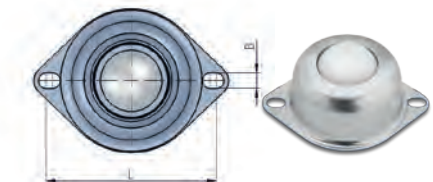
The running qualities are not affected for constant temperatures between -30° C and +70° C, or for +100° C for a short time.



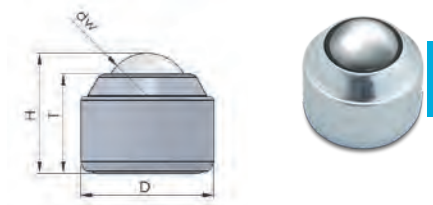
ball transfer series KR-F	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-F-25 Ident No.: 0014741	25.4	44.5	69	30.5	24.2	60.3	5	55
KR-FVA-25 Ident No.: 0014743	25.4	44.5	69	30.5	24.2	60.3	5	55



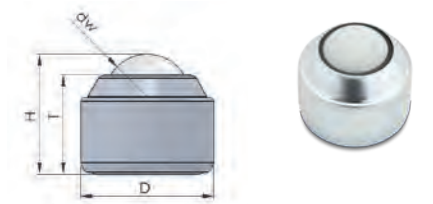
ball transfer series KR-F-KU	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-F-25-KU Ident No.: 0014742	25.4	44.5	69	30.5	24.2	60.3	5	25



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

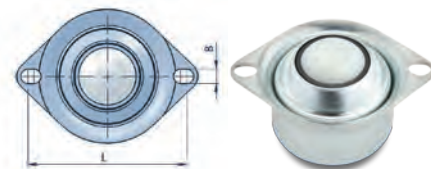
- ball transfer units with head flange
- KR-U2 = galvanized housing with steel ball
- KR-U2VA = all parts from stainless steel
- KR-U2-KU = galvanized housing with plastic ball
- all load-carrying capacity specifications are valid for use with an upright ball
- the load capacity decreases for overhead 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



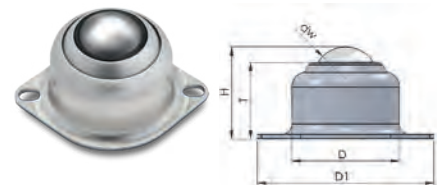


Universal ball transfer units with base flange and lip seal on the loaded ball

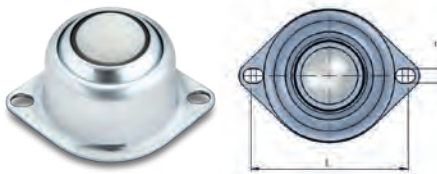
- KR-U3 = galvanized housing with steel ball
- KR-U3VA = all parts from stainless steel
- KR-U3-KU = galvanized housing with plastic ball
- KR-U4-KU = spring-loaded ball transfer unit

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.

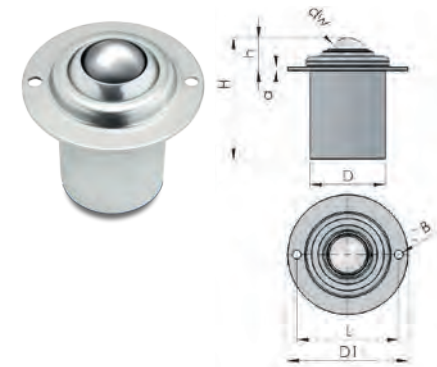


ball transfer series KR-U3	dw mm	D mm	D1 mm	H mm	T mm	L mm	B mm	load-carrying capacity kg
KR-U3-25 Ident No.: 0014756	25.4	42	69	35.8	6.1	58.7	6.1	100
KR-U3VA-25 Ident No.: 0014758	25.4	42	69	35.8	6.1	58.7	5	100



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

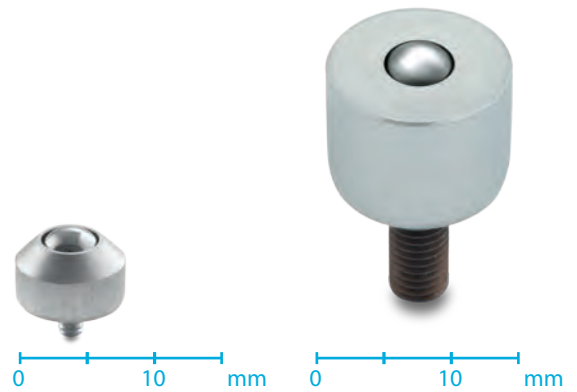
spring-loaded ball transfer unit

Mini ball transfer units with threaded bolts

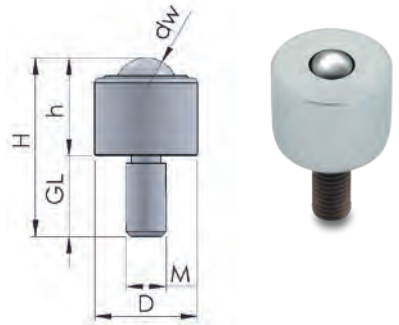
- for use in measuring instruments
- for transporting materials in clean rooms
- guides for small linear bearings
- KR-I = steel housing, steel balls
- KR-IVA = stainless steel housing, stainless steel balls, cylindrical top
- KR-IA = aluminum housing, stainless steel balls, conical top

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.

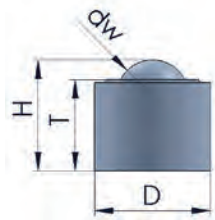


ball transfer series KR-I	dw mm	D mm	H mm	h mm	GL mm	thread	load-carrying capacity kg
KR-IA-05 Ident No.: 0026941	4.8	8	8.5	6	2.5	M2	5
KR-I-05 Ident No.: 0026942	4.8	13	24	9	15	M6	10
KR-IVA-05 Ident No.: 0026943	4.8	13	24	9	15	M6	10
KR-IA-06 Ident No.: 0026944	6.4	13	16.5	10.5	6	M3	10
KR-I-06 Ident No.: 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

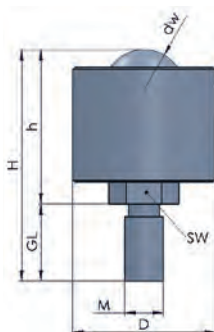


Heavy-duty ball transfer with press-fit or threaded bolts

- 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

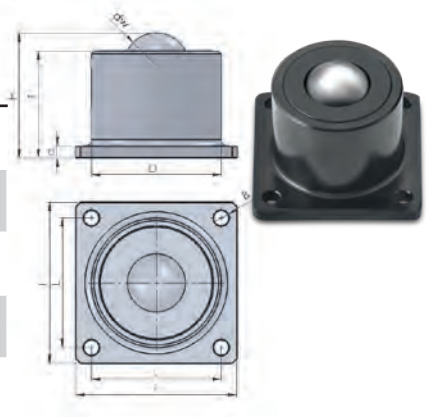
* without a key length on the thread tap

Heavy-duty ball transfer with base flange or head flange

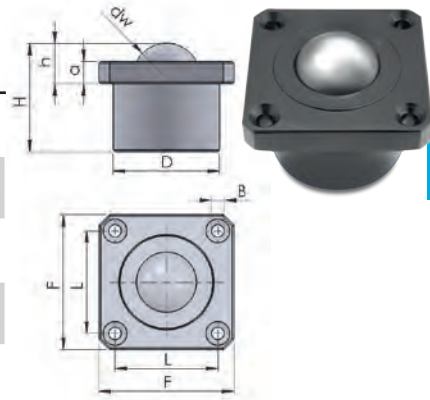
- for use when overall height is limited
- all load-carrying capacity specifications are valid also for overhead installations
- the performance of our ball transfer units is optimized when they are used properly. Installation, load, and spacing accuracy are crucial for achieving optimal operating efficiency. 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



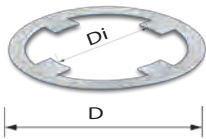
ball transfer series KR-OTF	dw mm	D mm	H mm	a mm	T mm	FxF mm	LxL mm	B mm	load-carrying capacity kg
KR-OTF-13 Ident No.: 0022456	12.7	23.8	22.6	3.2	19.1	44.5	34.8	3.6	35
KR-OTF-25-135 Ident No.: 0022457	25.4	44.5	41.4	4.8	35.8	57.2	44.5	5.6	135
KR-OTF-25-320 Ident No.: 0022458	25.4	50.8	45.5	6.3	39.1	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.

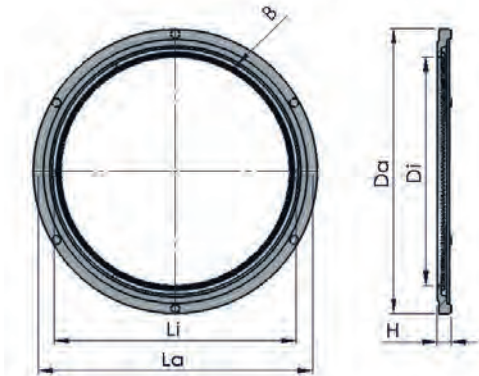
Slewing rings series LE	Da mm	Di mm	La mm	Li mm	H mm	B mm	material	axial load kg
LE230-10 Ident No.: 0018809	230	165	213	180	18	4.50	plastic, black	200
LE230-30 Ident No.: 0018810	230	165	213	180	18	4.50	plastic, transparent	200
LE280-10 Ident No.: 0018811	280	202	263	230	18	4.50	plastic, black	200
LE280-30 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



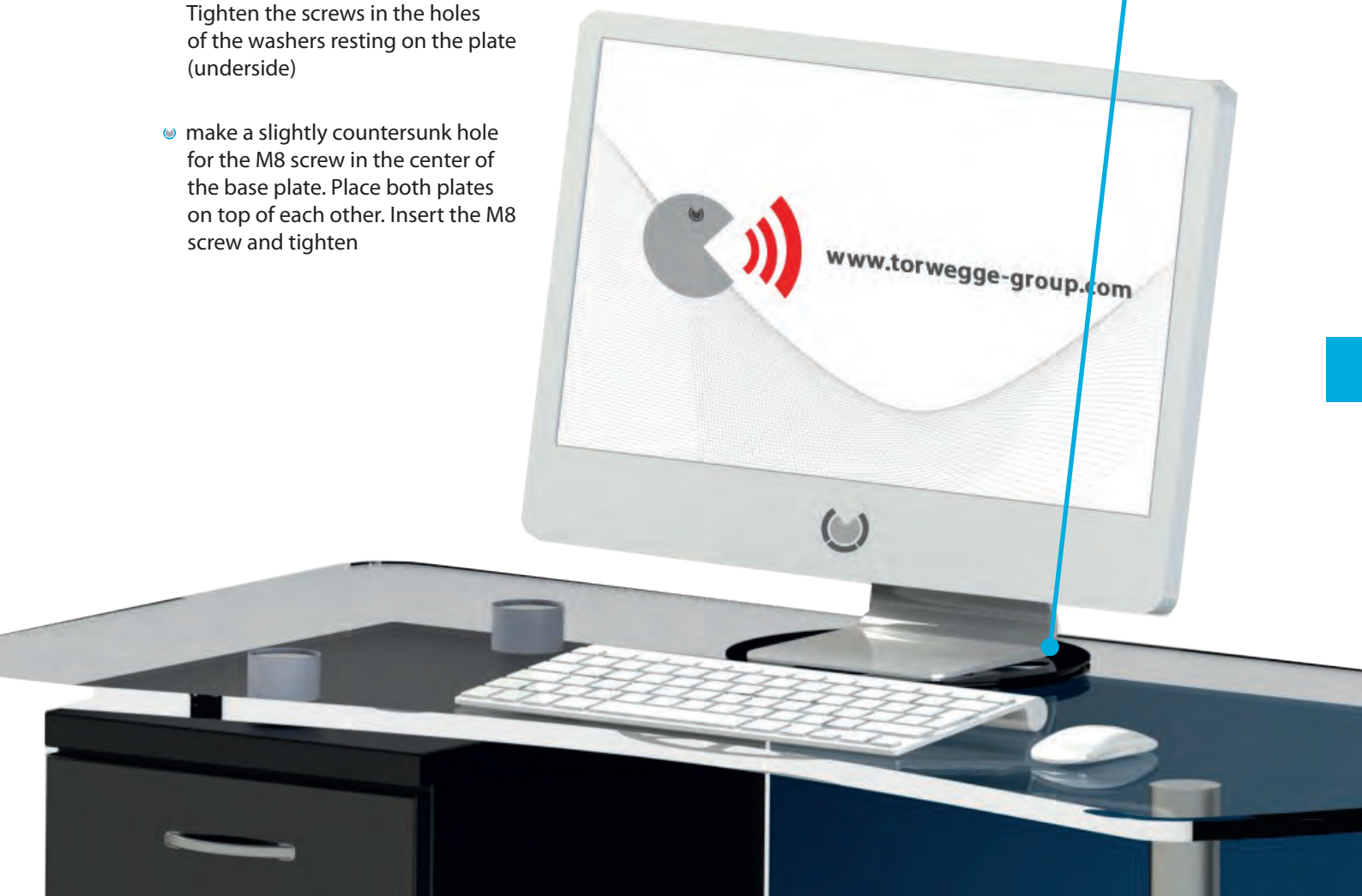
LES-300

load-carrying capacity: 150 kg
Ø 300 mm
Ident No. 0018823

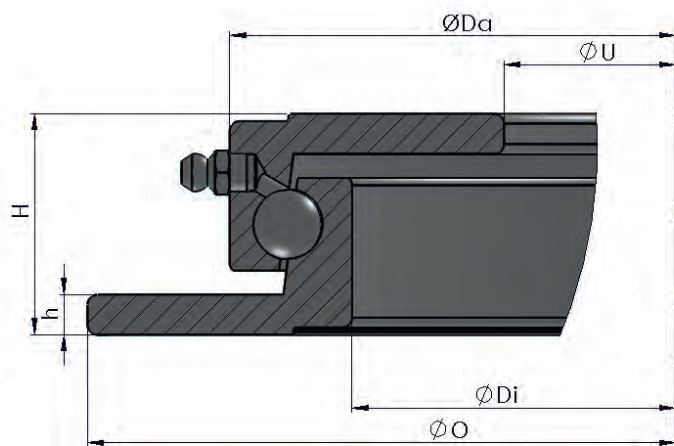


Various attachment options

- 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

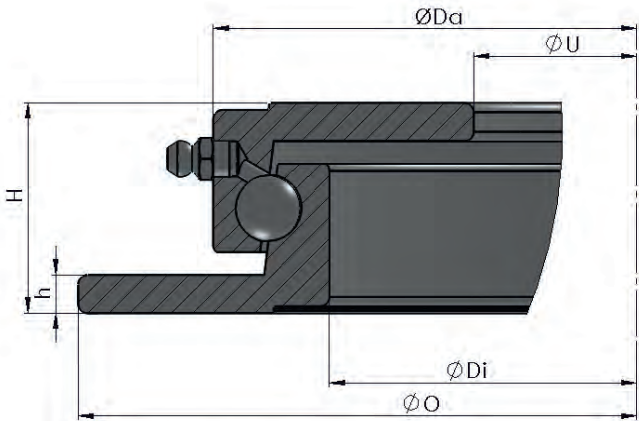


Ball steering rings: series L-360°

- 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



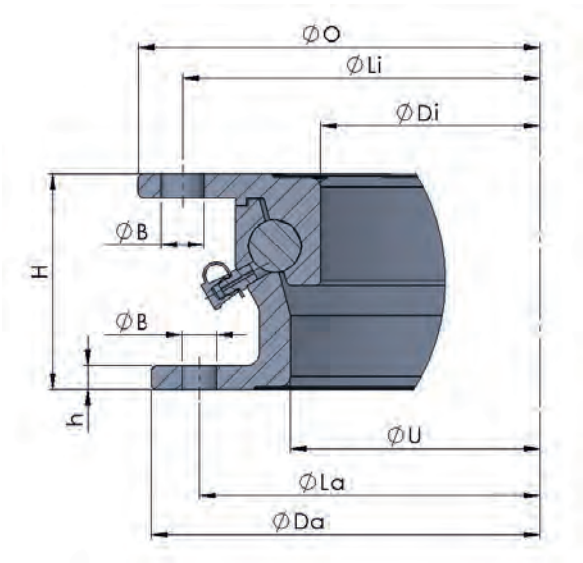
Ball steering rings: series HE

- 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





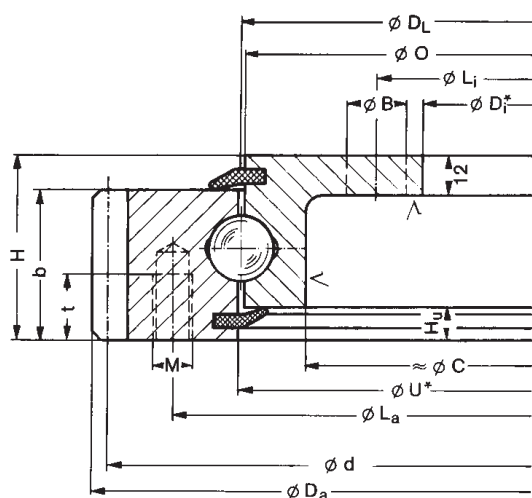
Rotary joints, series L-360 AZ and IZ

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/mm² normal, 260 n/mm² (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

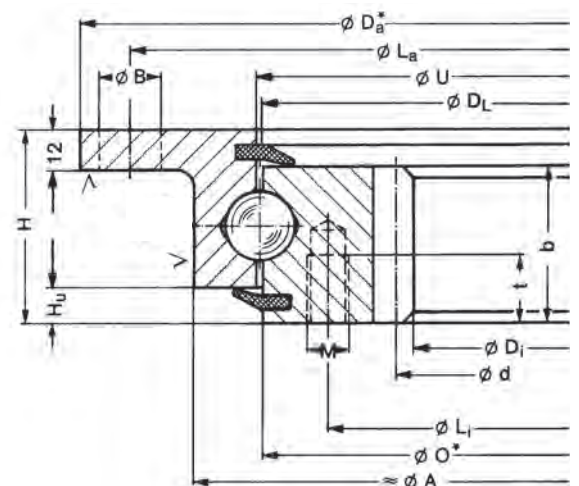


“Rotary joint with internal teeth”

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"

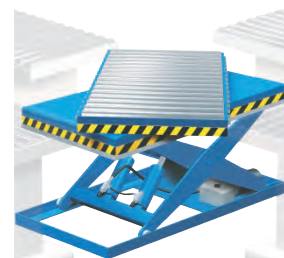
lifting tables series TO-ELS	load-carrying capacity kg	height mm	table length mm	table width mm	usable hoist mm	hoist time sec	performance kW
TO-ELS3-10-6 Ident No.: 0027107	3,000	280	1,500	1,000	1,000	27	2.30
TO-ELS3-13-10 Ident No.: 0027200	3,000	280	2,000	1,250	1,300	25	2.90
TO-ELS3-16-18 Ident No.: 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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ROLLER TRACKS

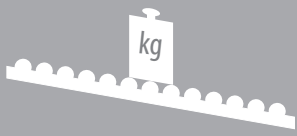
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GRAVITY- DRIVEN TRANSPORT



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.

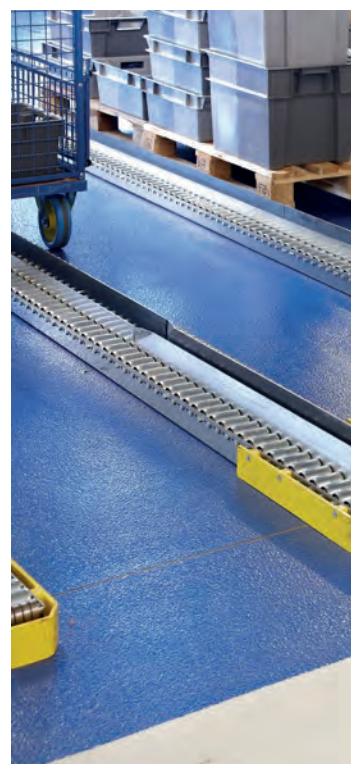
We design complete, operational systems from a wide variety of components and modules that are individually tailored to meet your requirements.



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



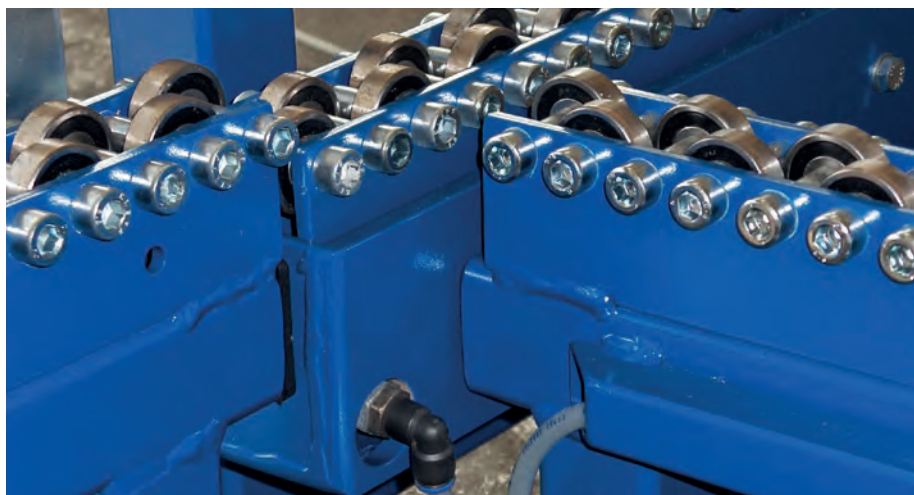
detailed view: side guide with deposit centering



Transport containers with sub-optimal bases (such as lattice crates) can be integrated into a logistics system using our reliable MTS multi-transfer system.

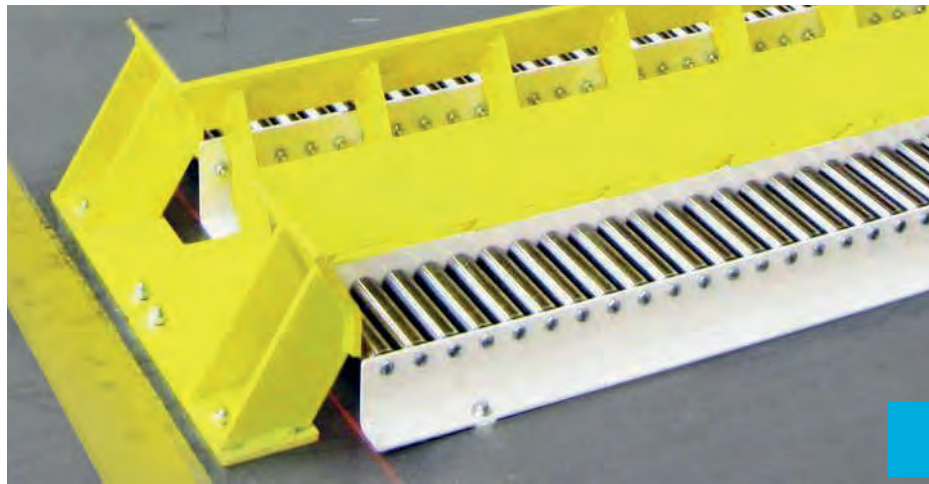
We use minimized roller spacing and high load-carrying capabilities to carry heavy loads on very small support points.

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).

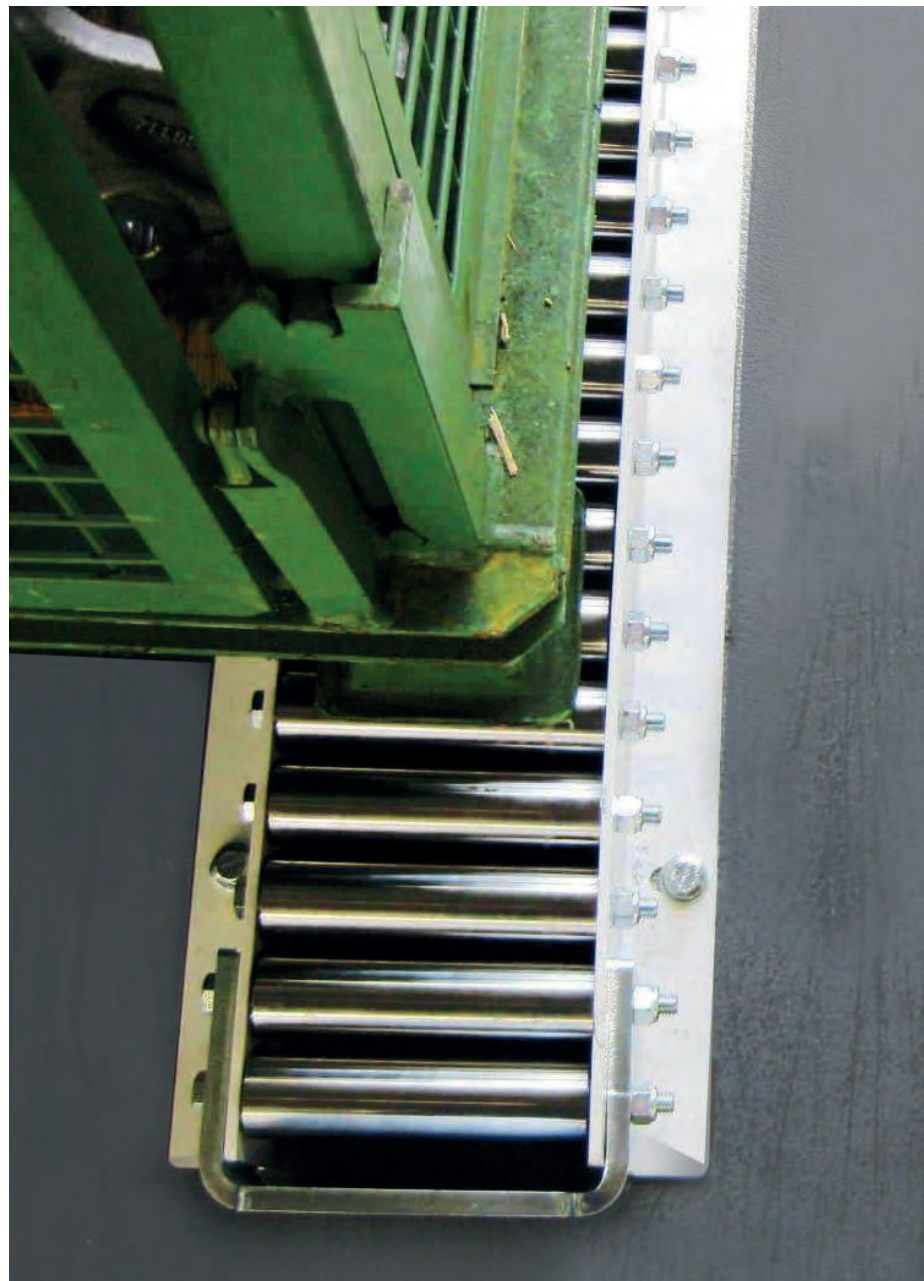


detailed view of the pneumatics

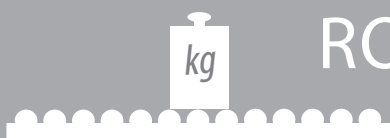




detailed view of the position side



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



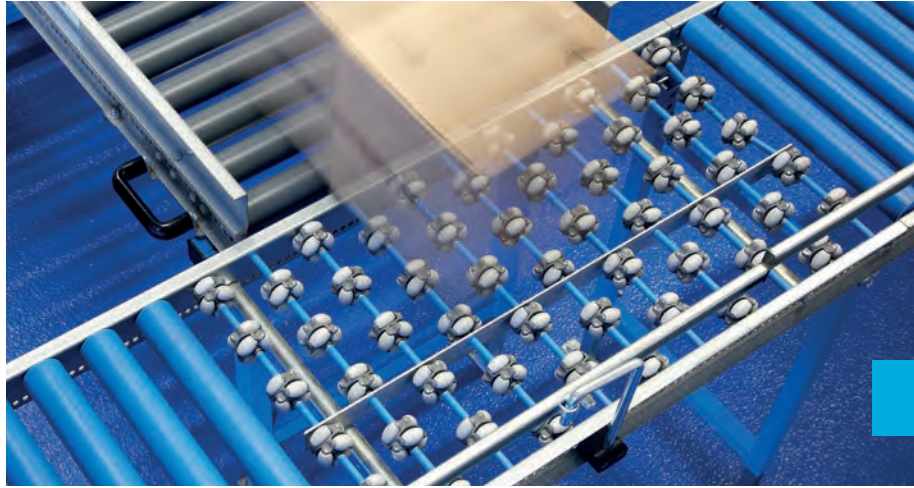
perpendicular conveyor



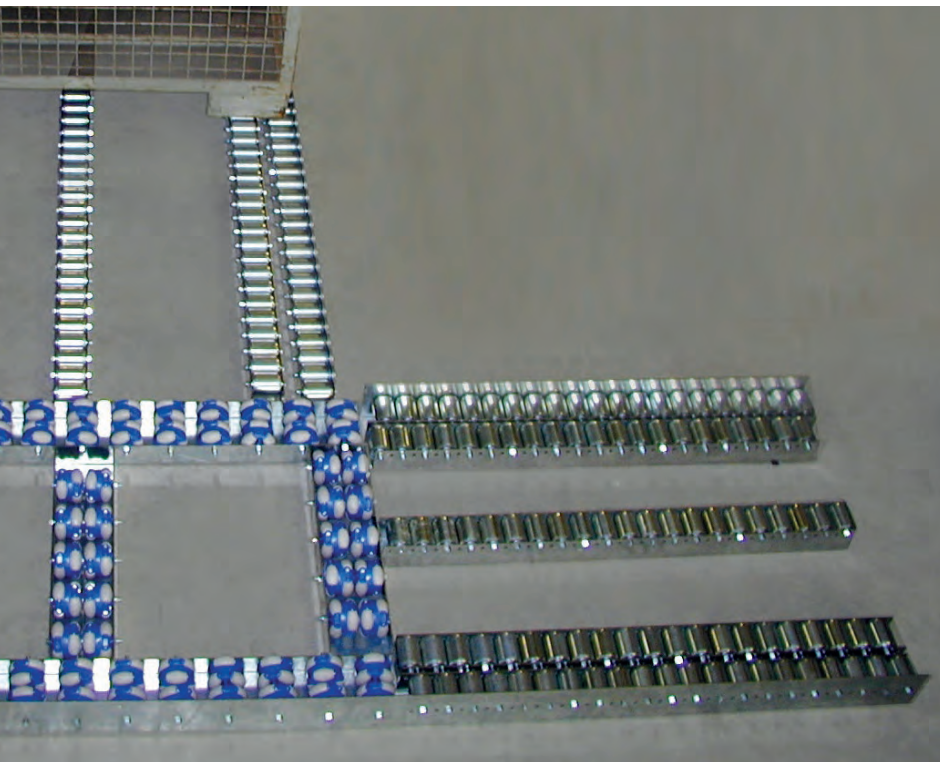
DISTRIBUTING STATION, CONVERTER



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!



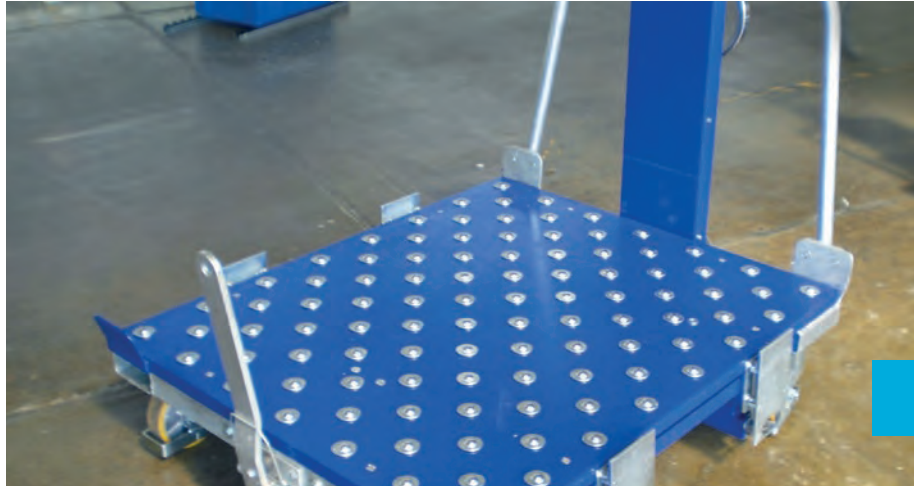
rotary table with power-driven roller conveyor



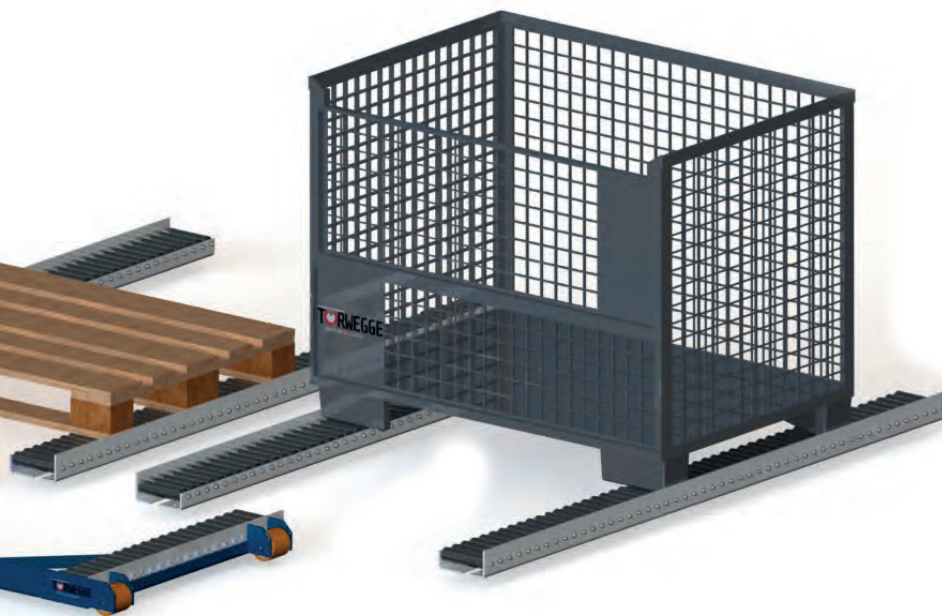
TRANSFER CARRIAGES



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.



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 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
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.

