

SLIDE BEARING CONVEYOR ROLLER SERIES 1500

Sealed, ideal for moist areas and to comply with hygiene requirements

Customer
benefits

- Slide bearing conveyor roller; suitable for cleaning with conventional detergents.
 - External slide bearing and pressed bearing housings, which prevent the penetration of foreign bodies into the inside of the roller
- Corrosion-proof conveyor roller
 - Stainless steel shaft pin, PVC / stainless steel tubes, polypropylene bearing housing
- Durable, smooth-running slide bearing conveyor roller
 - External, wear-resistant slide bearing made of POM + PTFE

Applications

- Food sector to comply with hygiene regulations
- Moist area
- Driven and non-driven container conveyor technology
- Suitable for materials to be transported with a weight of 20 kg

Properties

- Slide bearing clip to snap into a profile with max. 2.5 mm wall thickness and hexagonal holes 11 mm (+0.3 / +0.8 mm)
- Stainless steel shaft pins
- Simple to remove slide bearing clip to insert and remove the conveyor rollers

Associated
platform

- Platform 1500

Technical Data

General technical data	
Max. load capacity	120 N
Max. conveyor speed	0.8 m/s
Temperature range	-10 to +40 °C
Materials	
Bearing housing	Polypropylene
Shaft pin	Steel, stainless steel
Slide bearing	Polyoxymethylene

The load capacity is affected by the length of the roller and by the dependent parameters of the weight of the material to be conveyed and the conveying speed.

The load capacity depends on the speed

Ø Tube mm	Speed m/s	Max. load capacity N
30	0.25	50
	0.80	40
50	0.25	120
	0.80	85

The load capacity depends on the reference length

Tube material	Ø Tube mm	Max. load capacity in N							
		with an installation length of mm							
		100	200	300	400	500	600	700	800
PVC	30 x 1.8	50	50	35	20	12	–	–	–
	50 x 2.8	120	120	120	120	95	65	48	35
Steel	30 x 1.2	50	50	50	50	50	50	50	50
	50 x 1.5	120	120	120	120	120	120	120	120

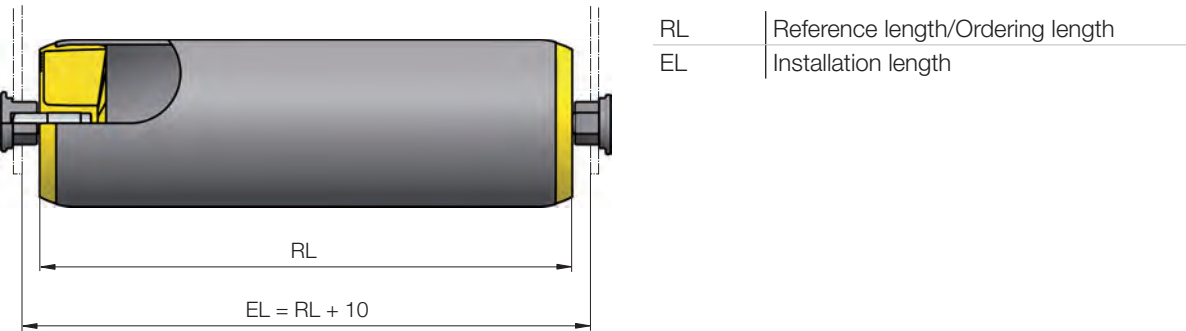
Product Selection

Shaft pin shaft version

Tube		Bearing design	Shaft pin Ø 6 mm
Material	Ø mm		
PVC	30 x 1.8	Slide bearing	1.5AB.S3B.00C
	50 x 2.8	Slide bearing	1.5AF.SAA.00C
Steel, stainless steel	30 x 1.2	Slide bearing	1.5AA.N31.00C
	50 x 1.5	Slide bearing	1.5AE.NAA.00C
Steel, zinc-plated	30 x 1.2	Slide bearing	1.5AA.J31.00C
	50 x 1.5	Slide bearing	1.5AE.JAA.00C

Example of a reference number: 1.5AF.SAA.00C - 490

This reference number is for a Conveyor Roller Series 1500, PVC, Ø tube 50 mm, Ø shaft pin 6 mm and reference length 490 mm. The reference length RL can be found on the dimensioned drawing: RL = EL - 10. The axial play of 0.5 mm per side has already been taken into account. The nominal clearance of your conveyor is 500 mm, which also corresponds to the installation length EL, i. e. the reference length is: 500 - 10 = 490 mm.



Options

We can offer you the following options in addition to our standard products:

- Tube sleeves
 - Flexible PVC sleeve
 - PU sleeve for Ø 50 mm
 - Rubber coating
- Special surface finish for tubes
 - Brushed stainless steel tubes

Standards

Ordering
example

Dimensions