

LIGHTWEIGHT CONVEYOR ROLLER SERIES 1700 LIGHT

Small diameter for smaller materials to be conveyed

Customer
benefits

- Quiet conveyor roller with low energy requirement
 - Precision ball bearing, polymer bearing housing and seal
- Complete range
 - Driven and non-driven conveyor rollers, rollers for curves
- Axial loads are possible
 - Axial forces diverted by ball bearing
- Small pitches are possible
 - Ø 20 mm and Ø 30 mm

Applications

- In-house transport of smaller materials to be conveyed
- Machine chains
- Packaging industry
- Automated assembly

Properties

- Sealed precision ball bearing (689 2Z)
- Rounded roller ends for simple lateral pushing

Associated
platform

- Platform 1700

Technical Data

General technical data	
Max. load capacity	150 N
Max. conveyor speed	1.5 m/s
Temperature range	-5 to +40 °C
Materials	
Bearing housing	Polyamide
Seal	Polypropylene
Ball bearing	Steel 689 2Z

The load capacity depends on the length of the roller. The shaft version can be selected at will.

Material	Ø Tube mm	Max. load capacity in N					
		with an installation length of mm					
		100	200	300	400	500	600
PVC	20 x 1.5	150	50	10	–	–	–
	30 x 1.8	150	150	60	20	10	–
Steel	20 x 1.5	150	150	150	150	150	150
	30 x 1.2	150	150	150	150	150	140

Product Selection

Spring-loaded shaft version

Tube		Ball bearing	Shaft	
			Reference number	
Material	Ø mm		Ø 6 mm	Ø 8 mm
PVC	20 x 1.5	689 2Z	1.72A.S20.BAC	
	30 x 1.8	689 2Z	1.73C.S31.BAC	
Steel	20 x 1.5	689 2Z	1.73A.J20.BAC	1.72A.J20.EAN
	30 x 1.2	689 2Z	1.73A.J31.BAC	1.731.J31.EAN

Female threaded shaft version

Tube		Ball bearing	Shaft
			Reference number
Material	Ø mm		Ø 8 mm (M5 x 12)
PVC	20 x 1.5	689 2Z	1.72B.S20.EAJ
	30 x 1.8	689 2Z	1.730.S31.EAJ
Steel	20 x 1.5	689 2Z	1.72B.J20.EAJ
	30 x 1.2	689 2Z	1.731.J31.EAJ

Example of a reference number: 1.72A.J20.EAN - 495

This reference number is for a conveyor roller Series 1700 light, steel, Ø tube 20 mm, Ø shaft 8 mm, spring-loaded shaft and reference length 495 mm. The reference length RL can be found in the table of dimensions for spring-loaded shafts: RL = EL - 5. The axial play of 0.5 mm per side has already been taken into account. The nominal clearance of your conveyor is 500 mm, also corresponding to the installation length EL, i. e. the reference length is: 500 - 5 = 495 mm.

Standards

Ordering
example



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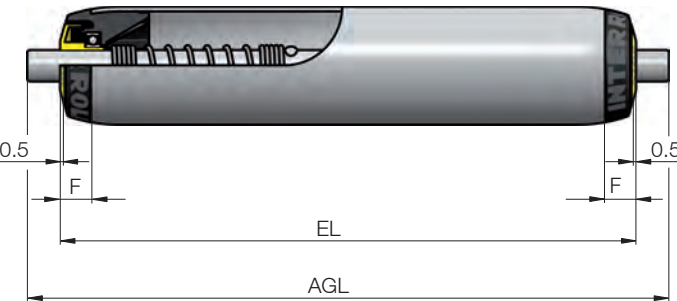
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Dimensions

RL	Reference length/Ordering length*
EL	Installation length
AGL	Total length of shaft
F	Length of the bearing assembly, including axial play

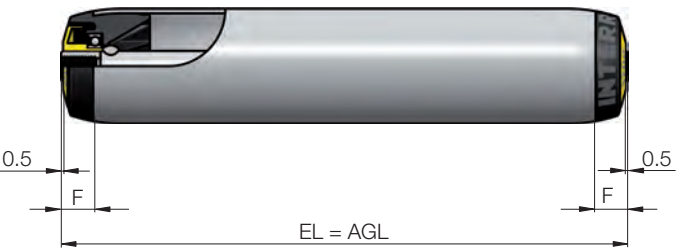
*The reference length/ordering length RL does not have any reference edges on the conveyor roller and can therefore not be shown.

Dimensions for spring-loaded shaft



Ø Shaft mm	Ø Tube mm	RL mm	AGL mm	F mm
6	20	EL - 5	EL + 10	10.5
6	30	EL - 5	EL + 10	8.5
8	20	EL - 5	EL + 16	10.5
8	30	EL - 5	EL + 16	8.5

Dimensions for female threaded shaft M5 x 12



Ø Shaft mm	Ø Tube mm	RL mm	AGL mm	F mm
8	20	EL - 5	EL	10.5
8	30	EL - 5	EL	8.5

Options

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

- Antistatic version (not with PVC tube material)
- Tube sleeves for Ø 30 mm
 - Flexible PVC sleeve
 - Rubber coating