

# TAPERED FIXED DRIVE CONVEYOR ROLLER SERIES 3500KXO LIGHT

The gravity roller with optimised light start-up

Customer  
benefits

- Compact dimensions
  - Small internal radius with 357.5 mm
- Standard product for gravity and fixed drives
  - Integral drive head for round belt drives
- Small pitches possible
  - Tube diameter Ø 23.4 mm to Ø 53.4 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, RL independent	150 N
Max. conveyor speed	0.8 m/s
Temperature range	-5 to +40 °C
Materials	
Bearing housing	Polyamide
Seal	Polypropylene
Ball bearing	Steel 689 2Z
Tapered elements	Polypropylene

## Product Selection

Female threaded shaft version

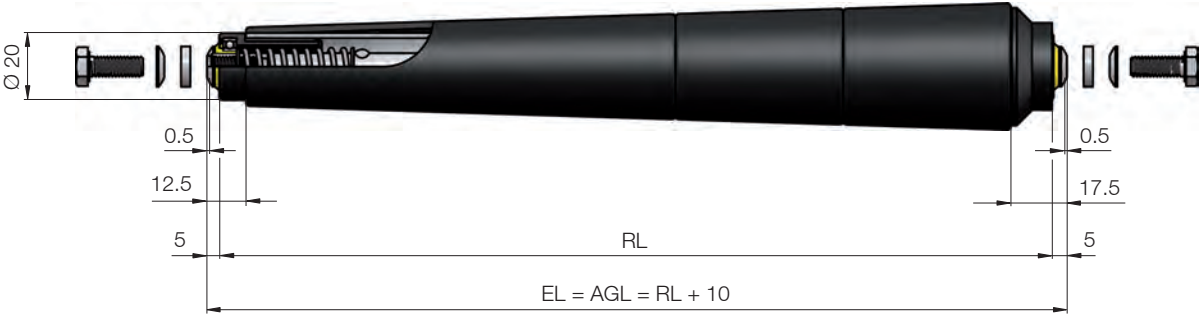
Tube					Ball bearing	Shaft
Material	Torque transmission	Reference length mm	Min. Ø mm	Max. Ø mm		Reference number Ø 8 mm (M5 x 12)
Steel	Round belt head	150	23.4	31.4	689 2Z	3.52K.K21.EAK
		200	23.4	34.5	689 2Z	3.52K.K22.EAK
		250	23.4	37.7	689 2Z	3.52K.K23.EAK
		300	23.4	40.8	689 2Z	3.52K.K24.EAK
		350	23.4	43.9	689 2Z	3.52K.K25.EAK
		400	23.4	47.1	689 2Z	3.52K.K26.EAK
		450	23.4	50.2	689 2Z	3.52K.K27.EAK
		500	23.4	53.4	689 2Z	3.52K.K28.EAK

Example of a reference number: 3.52K.K28.EAK - 500

This reference number is for a conveyor roller Series 3500KXO light, steel, installation length 510 mm, Ø shaft 8 mm, female threaded shaft and reference length 500 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 510 mm, also corresponding to the installation length EL, i. e. the reference length is:  $510 - 10 = 500$  mm.

RL	Reference length/Ordering length
EL	Installation length
AGL	Total length of shaft

Dimensions for female threaded shaft M6 x 15



## Options

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

- Inner tube made of corrosion-proof steel

Standards

Ordering  
example

Dimensions