

ROLLERS

SERIES 1500

Slide bearing conveyor roller

Load capacities of series 1500 with fixed shaft

The load capacity table refers to a temperature range from -5 to +40 °C for PVC tubes and to a temperature range from -28 to +20 °C for steel tubes.
Valid for the following shaft designs: fixed shaft.

Bearing: slide bearing.

Tube material	Ø Tube / thickness [mm]	Ø Shaft [mm]	Maximum static load [N] for installation length [mm]							
			100	200	300	400	500	600	700	800
PVC	30 x 1.8	6	50	50	35	20	12	-	-	-
	50 x 2.8	6	120	120	120	120	95	65	48	35
Steel	30 x 1.2	6	50	50	50	50	50	50	50	50
	50 x 1.5	6	120	120	120	120	120	120	120	120

Removal of a roller of series 1500

A roller of series 1500 can easily be installed in hexagon holes using the supplied slide bearing bushings. If the roller must be removed again, e.g. for cleaning, it is just as easy. Interroll recommends a 12-mm open-end wrench for the removal. The open-end wrench must be placed between the inside of the side profile and the bearing housing of the roller. It must be placed on the hexagon so that the two bracket joints of the slide bearing bushing no longer project. The bracket joints prevent the slide bearing bushings from inadvertently dropping out of the side profile. If the bracket joints are placed by the open-end wrench, the slide bearing bushing can easily be pulled out to the outside.

Dimensions of series 1500

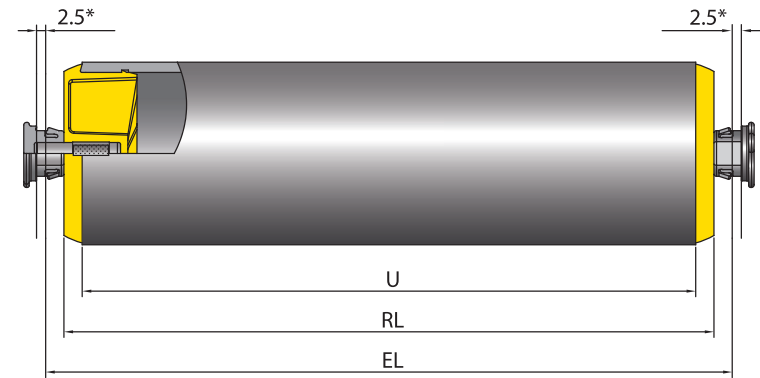
A sufficient axial play is already taken into account, so that the actual lane width between side profiles is required. Ordering dimensions for tube sleeves, e.g. PVC sleeves, see page 31.

- RL = Reference length / ordering length
- EL = Installation length, inside diameter between side profiles
- U = Usable tube length, length without bearing housing and for flanged metal tube without length of flanging

Ø Tube [mm]	Tube material	Ø Shaft [mm]	EL [mm]	U [mm]
30 x 1.2	Steel	6 Stub/11 HEX Clip	RL + 10	RL - 20
30 x 1.8	PVC	6 Stub/11 HEX Clip	RL + 10	RL - 10
50 x 1.5	Steel	6 Stub/11 HEX Clip	RL + 10	RL - 22
50 x 2.8	PVC	6 Stub/11 HEX Clip	RL + 10	RL - 10

- Stub = Shaft pin
- HEX = hexagon

PVC tube with slide bearing bushing



* Maximum profile width

PVC tube without slide bearing bushing

