

# ROLLERS SERIES 1200

Steel conveyor roller

## Load capacities of series 1200 with screw-connected installation

The following load capacity table refers to a temperature range from -5 to +40 °C. The values may deviate for applications in other temperature ranges.

Valid for the following shaft designs: female thread or male thread.

Bearing: hardened metal ball 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	900	1000	1200	1400	1600
Steel	30 x 1.2	8, 10	300	300	300	300	300	300	292	230	186	129	94	72	
	40 x 1.5	10, 12	800	800	800	800	800	800	800	685	555	385	280	215	
	50 x 1.5	10, 12	1200	1200	1200	1200	1200	1200	1200	1200	1110	765	560	430	
	60 x 1.5	10, 12, 14	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	985	755	
	80 x 2	12, 14	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	

## Load capacities of series 1200 with loose installation

The following load capacity table refers to a temperature range from -5 to +40 °C. The values may deviate for applications in other temperature ranges.

Valid for the following shaft designs: spring-loaded shaft, fixed shaft or flatted shaft.

Bearing: hardened metal ball 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	900	1000	1200	1400	1600
Steel	30 x 1.2	8, 10	300	300	300	300	300	300	290	230	185	130	95	70	
		40 x 1.5	8	800	800	800	735	585	490	420	370	330	300	255	200
	50 x 1.5	10, 12	800	800	800	800	800	800	800	685	555	385	280	215	
		8	1200	1200	975	720	575	475	410	355	320	285	240	210	185
	60 x 1.5	10	1200	1200	1200	1200	1200	1200	1050	925	830	750	640	560	430
		11 SK, 12	1200	1200	1200	1200	1200	1200	1200	1200	1200	1110	765	560	430
	80 x 2	10	1200	1200	1200	1200	1200	1190	1025	900	805	730	615	535	475
		12	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1055	775	590
	51 x 2	10	1200	1200	1200	1200	1200	1175	1010	885	790	715	600	520	460
		12, 14	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	985	755
	80 x 2	14	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

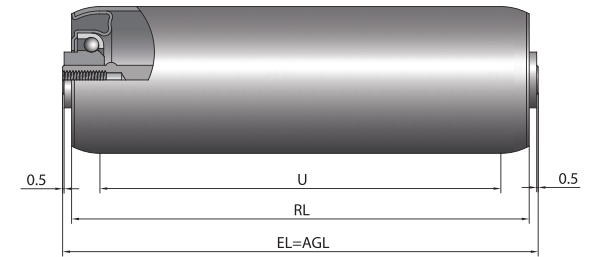
## Dimensions

The dimensions of the conveyor roller depend on the shaft version. A sufficient axial play is already taken into account, so that only the actual lane width between side profiles is required for ordering.

Ordering dimensions for tube sleeves, e.g. PVC sleeves, see page 31, and for flanges see page 36.

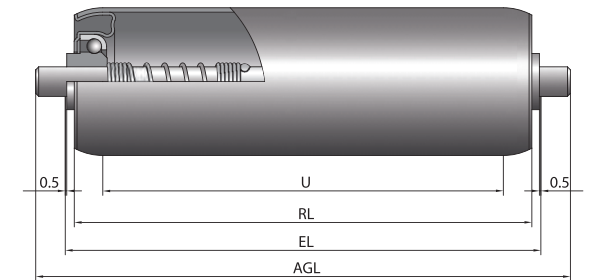
- RL = Reference length/ordering length
- EL = Installation length, inside diameter between side profiles
- AGL = Total length of shaft
- U = Usable tube length: Length without bearing housing and for flanged metal tube without length of flanging

Female threaded shaft



Ø Tube [mm]	Ø Shaft [mm]	EL [mm]	AGL [mm]	U [mm]
30 x 1.2	8, 10	RL + 6	RL + 6	RL - 8
40 x 1.5	10, 12	RL + 6	RL + 6	RL - 10
50 x 1.5	10, 12	RL + 6	RL + 6	RL - 12
60 x 1.5	10, 12, 14	RL + 6	RL + 6	RL - 21
80 x 2	14	RL + 3	RL + 3	RL - 21

Spring-loaded shaft



Ø Tube [mm]	Tube material	Ø Shaft [mm]	EL [mm]	AGL [mm]	U [mm]
30 x 1.2	Steel	8	RL + 6	RL + 22	RL - 8
		10		RL + 26	
40 x 1.5	Steel	8	RL + 6	RL + 22	RL - 10
		10		RL + 26	
		12		RL + 30	
50 x 1.5	Steel	8	RL + 6	RL + 22	RL - 12
		10		RL + 26	
		11 HEX		RL + 28	
51 x 2	Steel	10	RL + 6	RL + 26	RL - 12
		12		RL + 30	
		14		RL + 34	
60 x 1.5	Steel	10	RL + 6	RL + 26	RL - 21
		12		RL + 30	
		14		RL + 34	
80 x 2	Steel	14	RL + 3	RL + 31	RL - 21

HEX = hexagon

Detailed product specifications are available on request.