

ROLLERS

SERIES 3950

Heavy-duty conveyor roller

Load capacities of series 3950

The load capacity table refers to a temperature range of +5 to +40 °C.
Valid for the following shaft designs: female thread or male thread.

Bearing: 6205 2RZ.

Tube material	Ø Tube / thickness [mm]	Drive element	Ø Shaft [mm]	Maximum static load [N] for installation length [mm]							
				200	400	600	800	1000	1200	1400	1600
Steel	80 x 2	Welded steel sprocket head 5/8", T15 and T18	20	5000	5000	5000	5000	5000	4340	3170	2420
		Welded steel double sprocket head 5/8", T15 and T18		5000	5000	5000	5000	5000	4340	3170	2420
Steel	80 x 3	Welded steel sprocket head 5/8", T15 and T18	20	5000	5000	5000	5000	5000	5000	4580	3490
		Welded steel double sprocket head 5/8", T15 and T18		5000	5000	5000	5000	5000	5000	4580	3490
Steel	89 x 3	Welded steel sprocket head 5/8", T15 and T18	20	5000	5000	5000	5000	5000	5000	5000	4865
		Welded steel double sprocket head 5/8", T15 and T18		5000	5000	5000	5000	5000	5000	5000	4865

T = Number of teeth

Load capacities of series 3950 freezer design

The load capacity table refers to a temperature range of -28 to +40 °C.

Tube material	Ø Tube / thickness [mm]	Drive element	Ø Shaft [mm]	Maximum static load [N] for installation length [mm]							
				200	400	600	800	1000	1200	1400	1600
Steel	80 x 2	Welded steel sprocket head 5/8", T15 and T18	20	2500	2500	2500	2500	2500	2170	1585	1210
		Welded steel double sprocket head 5/8", T15 and T18		2500	2500	2500	2500	2500	2170	1585	1210
Steel	80 x 3	Welded steel sprocket head 5/8", T15 and T18	20	2500	2500	2500	2500	2500	2500	2290	1745
		Welded steel double sprocket head 5/8", T15 and T18		2500	2500	2500	2500	2500	2500	2290	1745
Steel	89 x 3	Welded steel sprocket head 5/8", T15 and T18	20	2500	2500	2500	2500	2500	2500	2500	2432.5
		Welded steel double sprocket head 5/8", T15 and T18		2500	2500	2500	2500	2500	2500	2500	2432.5

T = Number of teeth

Dimensions

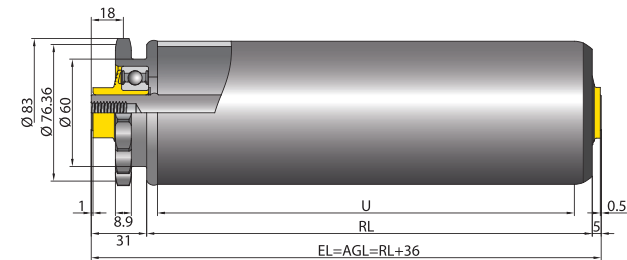
The dimensions of the conveyor roller depend on the shaft version. A sufficient axial play is already taken into account, so that only the actual lane width between side profiles is required for ordering.
Ordering dimensions for tube sleeves, e.g. PVC sleeves, see page 31, and for flanges see page 36.

- 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

Ø Tube [mm]	Tube material	Ø Shaft [mm]	Drive element	EL [mm]	AGL [mm]	U [mm]
80 x 2; 80 x 3; 89 x 3	Steel	20	Welded steel sprocket head 5/8", T15 and T18	RL + 36	RL + 36	RL - 23
			Welded steel double sprocket head 5/8", T15 and T18	RL + 62	RL + 62	

T = Number of teeth

Welded 5/8" steel sprocket head with 15 teeth



Welded 5/8" steel double sprocket head with 15 teeth

