ROLLERS
SERIES 3500
Fixed drive conveyor roller

Design versions

Tube sleeves	PVC sleeve (page 31) PU sleeve (page 33) Lagging (page 34)
Anti-static version	($<10^6$ Ω) Standard design for rollers with grooves or tube sleeves, not for PVC tube
Special tube surface treatment	Carbonitriding Chrome-plating
Lubrication options for ball bearing	Greased for an ambient temperature from –5 to +40 °C (standard) Oiled for an ambient temperature from –28 to +20 °C
Shafts	The following are available in addition to the variants listed in the load capacity tables: • With spring on both sides • With variable length • Different design of both shaft ends
Tube	The following are available in addition to the variants listed in the load capacity tables: • With flanges welded on
Drives	The following are available in addition to the variants listed in the load capacity tables: • The drive heads for round, PolyVee and toothed belt can be designed with an additional fixation for temperature-sensitive applications (freezer applications). This fixation is located inside the roller and creates a form-fit torque transfer between tube and drive head. Hence, damages to materials or collecting adhesive tape at the outside of interfering corners is being avoided.
Noise reduction	For tube with Ø 50 mm

Load capacities of series 3500 with screw-connected installation

The load capacity table refers to a temperature range of +5 to +40 °C.
The maximum static load at −28 °C to −6 °C measures 350 N.

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

Bearing: 6002 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
Aluminum	50 x 1.5	PolyVee drive head	12, 14	350	350	350	350	350	255	190
		Round belt drive head	12, 14	350	350	350	350	350	255	190
PVC	50 x 2.8	Polymer sprocket head 1/2", T14	12	1060	185	75	40	–	–	–
		Polymer double sprocket head 1/2", T14		935	215	80	45	–	–	–
		Polymer sprocket head 1/2", T9 and T14	14	300	185	75	40	–	–	–
		Polymer sprocket head 1/2", T14		1060	185	75	40	–	–	–
		Polymer double sprocket head 1/2", T14		1475	215	80	45	–	–	–
Steel	63 x 3	Polymer sprocket head 1/2", T14	14	2100	410	165	90	–	–	–
		Polymer double sprocket head 1/2", T14		1485	470	180	95	–	–	–
	40 x 1.5	Polymer double sprocket head 1/2", T14	12	800	770	685	655	640	630	620
		Polymer sprocket head 1/2", T9	14	300	300	300	300	300	300	300
		Polymer toothed belt drive head 8, T18		800	800	800	800	800	800	600
	50 x 1.5	Polymer sprocket head 1/2", T14	12	1320	975	915	885	870	830	600
		Polymer double sprocket head 1/2", T14		935	770	685	655	640	630	620
		PolyVee drive head		350	350	350	350	350	350	350
		Round belt drive head		350	350	350	350	350	350	350
		Polymer flat belt drive head 38 mm	14	2000	1510	1405	1360	1220	830	601
		Polymer sprocket head 1/2", T9 and T14		300	300	300	300	300	300	300
		Polymer sprocket head 1/2", T13 and T14		1500	1500	1450	1405	1215	825	600
		Polymer double sprocket head 3/8", T20		1500	1500	1450	1405	1215	825	600
		Polymer toothed belt drive head 8, T18		1500	1500	1450	1405	1215	825	600
		Polymer double sprocket head 1/2", T14		1485	1222	1090	1040	1015	860	620
		PolyVee drive head		350	350	350	350	350	350	350
		Round belt drive head		350	350	350	350	350	350	350
		Welded steel sprocket head 1/2", T14		2000	2000	2000	1760	1120	775	565
		Welded steel double sprocket head 1/2", T14		2000	2000	2000	1760	1120	775	565
	60 x 1.5	Polymer sprocket head 1/2", T14	12	1320	975	915	885	870	860	855
		Polymer double sprocket head 1/2", T14		935	770	685	655	640	630	620
		Polymer flat belt drive head 38 mm	14	2000	1510	1405	1360	1340	1325	1055
		Polymer sprocket head 1/2", T9 and T14		300	300	300	300	300	300	300
		Polymer sprocket head 1/2", T14		1500	1500	1450	1405	1385	1370	1050
		Polymer double sprocket head 3/8", T20		1500	1500	1450	1405	1385	1370	1050
		Polymer toothed belt drive head 8, T18		1500	1500	1450	1405	1385	1370	1050
		Polymer double sprocket head 1/2", T14		1485	1220	1090	1040	1015	1000	990
		Welded steel sprocket head 1/2", T14		2000	2000	2000	2000	1960	1355	990
		Welded steel double sprocket head 1/2", T14		2000	2000	2000	2000	1960	1355	990

T = Number of teeth

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Bearing: 6002 2RZ.

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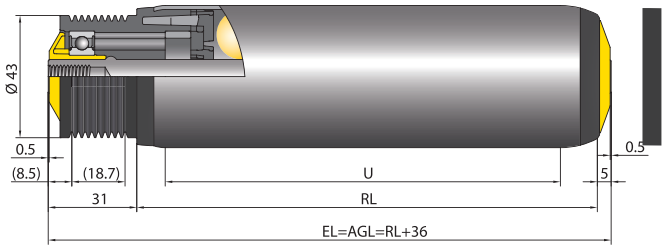
Aluminum	50 x 1.5	PolyVee drive head	12, 14	350	350	350	350	350	255	190
		Round belt drive head	12, 14	350	350	350	350	350	255	190
PVC	50 x 2.8	Polymer sprocket head 1/2", T14	12	1060	185	75	40	–	–	–
		Polymer double sprocket head 1/2", T14		935	215	80	45	–	–	–
		Polymer sprocket head 1/2", T9 and T14	14	300	185	75	40	–	–	–
		Polymer sprocket head 1/2", T14		1060	185	75	40	–	–	–
		Polymer double sprocket head 1/2", T14		1475	215	80	45	–	–	–
	63 x 3	Polymer sprocket head 1/2", T14	14	2100	410	165	90	–	–	–
		Polymer double sprocket head 1/2", T14		1485	470	180	95	–	–	–
Steel	40 x 1.5	Polymer double sprocket head 1/2", T14	12	800	770	685	655	640	630	620
		Polymer sprocket head 1/2", T9	14	300	300	300	300	300	300	300
		Polymer toothed belt drive head 8, T18		800	800	800	800	800	800	600
Steel	50 x 1.5	Polymer sprocket head 1/2", T14	12	1320	975	915	885	870	830	600
		Polymer double sprocket head 1/2", T14		935	770	685	655	640	630	620
		PolyVee drive head		350	350	350	350	350	350	350
		Round belt drive head		350	350	350	350	350	350	350
		Polymer flat belt drive head 38 mm	14	2000	1510	1405	1360	1220	830	601
		Polymer sprocket head 1/2", T9 and T14		300	300	300	300	300	300	300
		Polymer sprocket head 1/2", T13 and T14		1500	1500	1450	1405	1215	825	600
		Polymer double sprocket head 3/8", T20		1500	1500	1450	1405	1215	825	600
		Polymer toothed belt drive head 8, T18		1500	1500	1450	1405	1215	825	600
		Polymer double sprocket head 1/2", T14		1485	1222	1090	1040	1015	860	620
		PolyVee drive head		350	350	350	350	350	350	350
		Round belt drive head		350	350	350	350	350	350	350
		Welded steel sprocket head 1/2", T14		2000	2000	2000	1760	1120	775	565
		Welded steel double sprocket head 1/2", T14		2000	2000	2000	1760	1120	775	565
Steel	60 x 1.5	Polymer sprocket head 1/2", T14	12	1320	975	915	885	870	860	855
		Polymer double sprocket head 1/2", T14		935	770	685	655	640	630	620
		Polymer flat belt drive head 38 mm	14	2000	1510	1405	1360	1340	1325	1055
		Polymer sprocket head 1/2", T9 and T14		300	300	300	300	300	300	300
		Polymer sprocket head 1/2", T14		1500	1500	1450	1405	1385	1370	1050
		Polymer double sprocket head 3/8", T20		1500	1500	1450	1405	1385	1370	1050
		Polymer toothed belt drive head 8, T18		1500	1500	1450	1405	1385	1370	1050
		Polymer double sprocket head 1/2", T14		1485	1220	1090	1040	1015	1000	990
		Welded steel sprocket head 1/2", T14		2000	2000	2000	2000	1960	1355	990
		Welded steel double sprocket head 1/2", T14		2000	2000	2000	2000	1960	1355	990

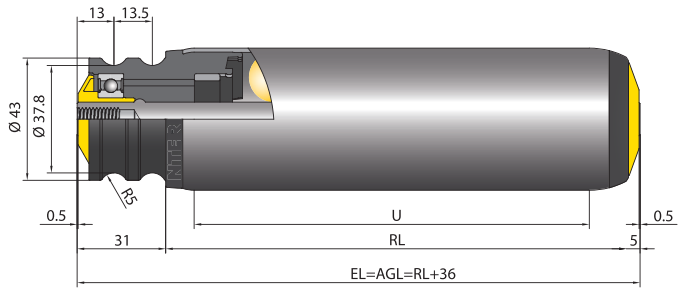
T = Number of teeth

PolyVee drive head and female threaded shaft

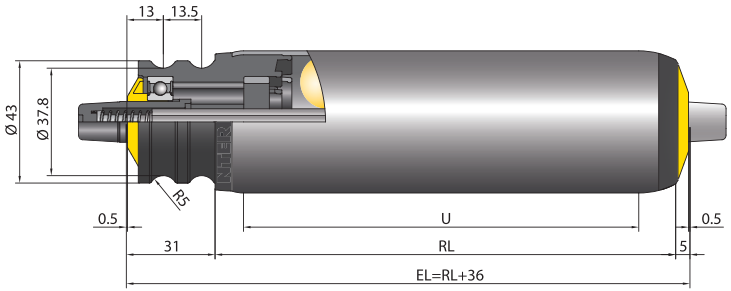


ROLLERS
SERIES 3500
Fixed drive conveyor roller

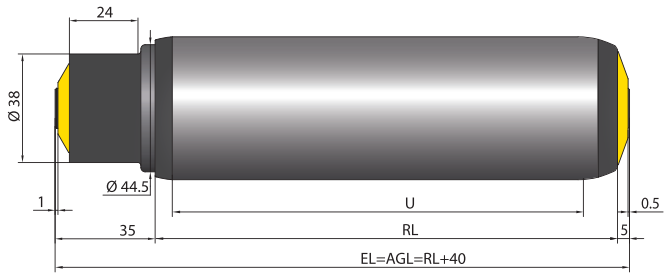
Round belt drive head and female threaded shaft



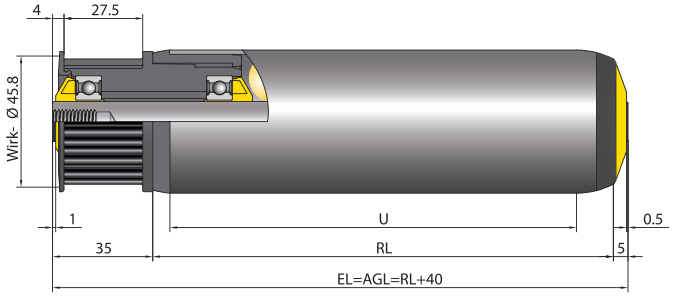
Round belt drive head and tapered shaft-shuttle



Flat belt drive head and female threaded shaft

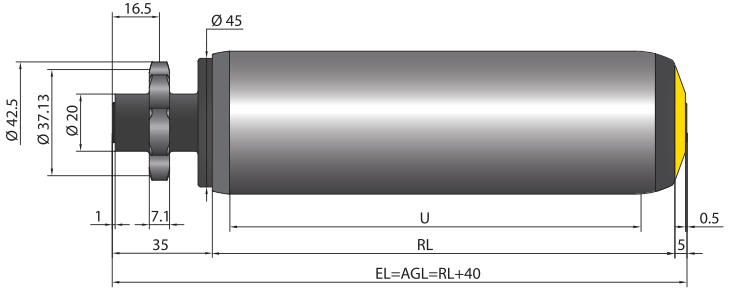


Toothed belt drive head (8 pitch and 18 teeth)

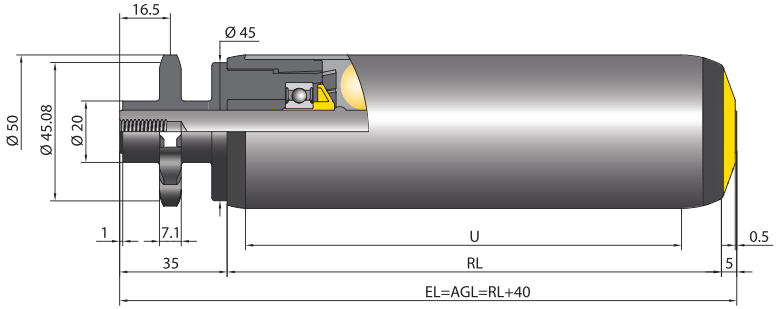


Interroll recommends a max. belt width of 12 mm and a poly chain GT gearing.

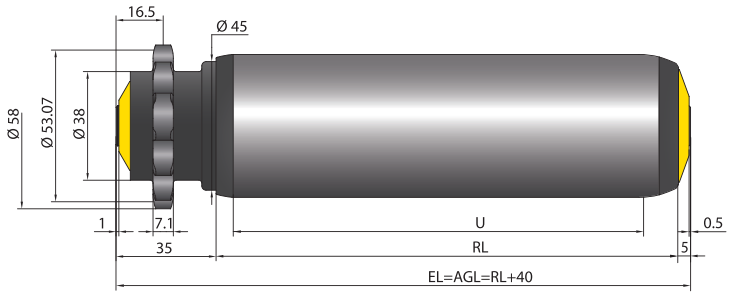
1/2" polymer sprocket head with 9 teeth



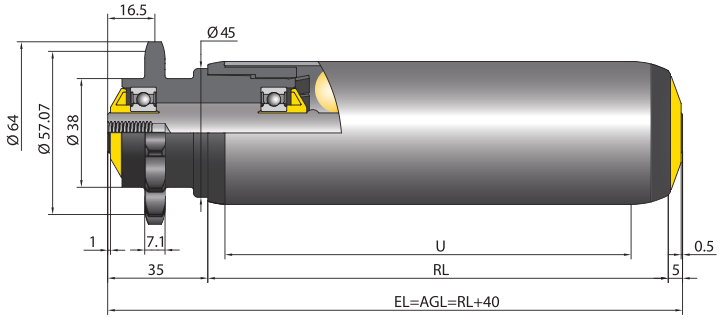
1/2" polymer sprocket head with 11 teeth



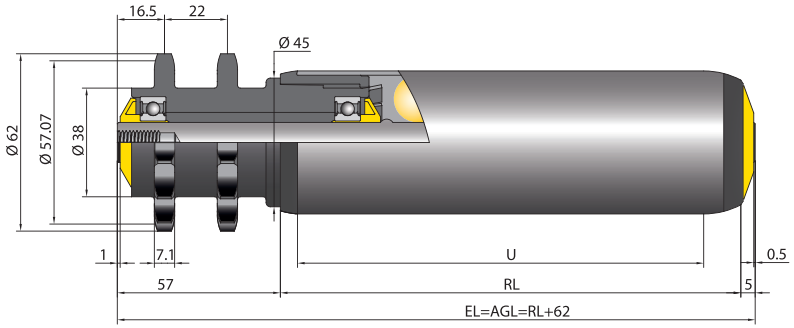
1/2" polymer sprocket head with 13 teeth



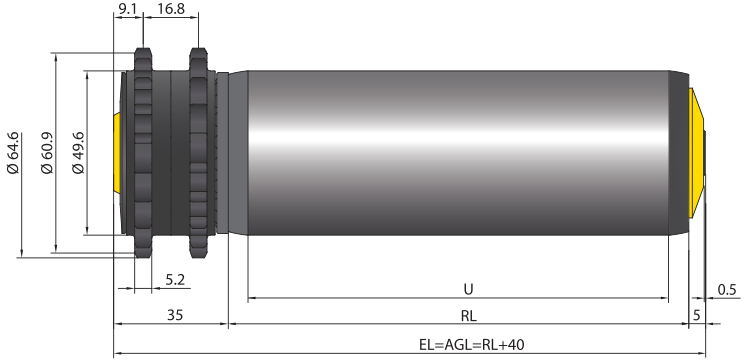
1/2" polymer sprocket head with 14 teeth



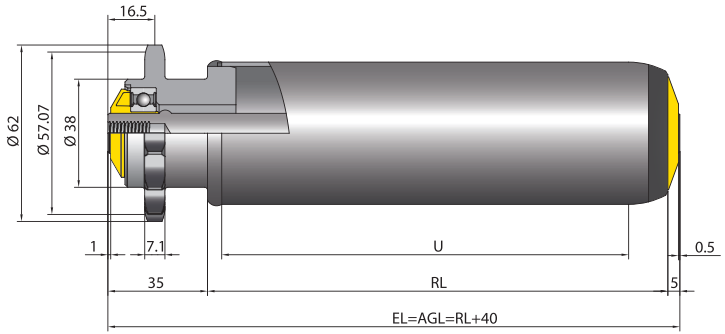
1/2" polymer double sprocket head with 14 teeth



3/8" polymer double sprocket head with 20 teeth



Welded 1/2" steel sprocket head with 14 teeth



Welded 1/2" steel double sprocket head with 14 teeth