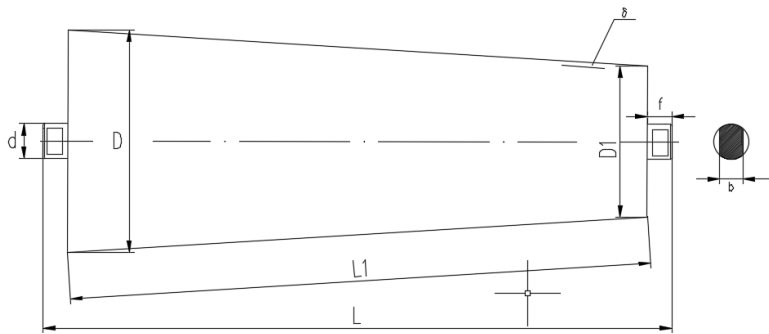


Conveyor parts

· Idler

TAPERED IDLER

The conical upper self-aligning roller is used in belt conveyors to correct belt misalignment, with a typical cone angle of 10–15°. When the belt shifts, the difference in roller surface speed generates a lateral force to realign it. Made mainly of carbon steel with rust-resistant surface treatment, it effectively keeps the belt centered and enhances conveyor stability.



PRODUCT PARAMETERS

Model	Applicable Belt Width B	Idler Outer Diameter D	Shaft Diameter d	Bearing Model	L1 (Effective Length)	L2 (Roller Body Length)	L3 (Total Length)	Shaft Head Thickness b	Shaft Head Extension a	Drawing No. (Smooth / Grooved)
Φ89×190	500	89	20	204	190	200	220	15	10	TD1H1.1/ TD1H9.1
Φ89×240	650 (600)	89	20	204	240	250	270	15	10	TD2H1.1/ TD2H9.1
Φ89×305	800	89	20	204	305	315	335	15	10	TD3H1.1/ TD3H9.1
Φ108×375	1000	108	25	305	375	385	408	18	11.5	TD4H1.1/ TD4H9.1
Φ108×455	1200	108	25	305	455	465	488	18	11.5	TD5H1.1/ TD5H9.1
Φ108×525	1400	108	25	305	525	535	558	18	11.5	TD6H1.1/ TD6H9.1
Φ133×600	1600	133	30	306	600	610	635	20	12	TD7H1.1/ TD7H9.1
Φ159×700	1800	159	30	306	700	710	735	20	12	TD8H1.1/ TD8H9.1



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