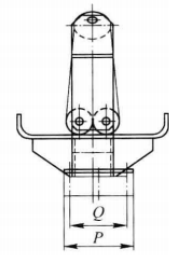
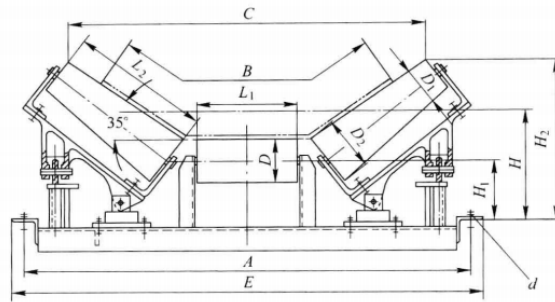




Conveyor parts · Idler Group Series

TAPERED UPPER CENTERING IDLER GROUP

The conical self-aligning roller set is used in belt conveyors to correct belt misalignment. With a conical roller design, it generates a lateral force through the difference in roller surface speed when the belt shifts, bringing it back into position. Made primarily of carbon steel with a rust-resistant surface treatment, it effectively ensures the stable operation of the conveyor system.



PRODUCT PARAMETERS

Applicable Belt Width B	Tapered Idler Outer Diameter D	Shaft Diameter d	Bearing Model	Middle Idler Length Lz	Side Idler Length Lc	Total Length L3	Trough Angle	Self-aligning Angle	Frame Type	Drawing No. Reference
500	Φ89/Φ76	20	204	200	190	220	35°	±3° ~ ±5°	Welded / Stamped	TD1ZC1.1
650(600)	Φ89/Φ76	20	204	250	240	270	35°	±3° ~ ±5°	Welded / Stamped	TD2ZC1.1
800	Φ89/Φ76	20	204	315	305	335	35°	±3° ~ ±5°	Welded / Stamped	TD3ZC1.1
1000	Φ108/Φ89	25	305	385	375	408	35°	±3° ~ ±5°	Welded / Stamped	TD4ZC1.1
1200	Φ108/Φ89	25	305	465	455	488	35°	±3° ~ ±5°	Welded / Stamped	TD5ZC1.1
1400	Φ108/Φ89	25	305	535	525	558	35°	±3° ~ ±5°	Welded / Stamped	TD6ZC1.1
1600	Φ133/Φ108	30	306	610	600	635	35°	±3° ~ ±5°	Welded / Stamped	TD7ZC1.1
1800	Φ159/Φ108	30	306	710	700	735	35°	±3° ~ ±5°	Welded / Stamped	TD8ZC1.1