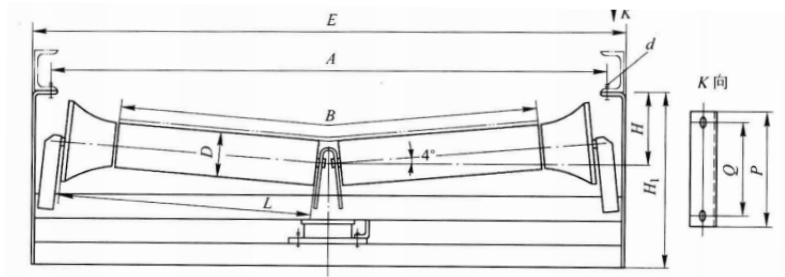


Conveyor parts

· Idler Group Series

FRICTION LOWER CENTERING IDLER GROUP

The friction-lowering self-aligning roller set uses a bottom friction plate to contact the conveyor belt, automatically correcting misalignment. Comprising multiple rollers and an alignment mechanism, it is wear-resistant, impact-resistant, and operates with low resistance. Suitable for belt conveyors in mining, power plants, and ports, it effectively corrects return belt deviations, reduces wear, ensures smooth operation, and lowers maintenance costs.



PRODUCT PARAMETERS

Applicable Belt Width B	Idler Outer Diameter D	Shaft Diameter d	Bearing Model	Effective Length L1	Total Length L3	Friction Wheel Diameter	Self-aligning Angle	Frame Type	Drawing No. Reference
500	Φ89	20	204	190	220	Φ108	±3° ~±5°	Slot Type / Parallel	TD1XC1.1
650(600)	Φ89	20	204	240	270	Φ108	±3° ~±5°	Slot Type / Parallel	TD2XC1.1
800	Φ89	20	204	305	335	Φ108	±3° ~±5°	Slot Type / Parallel	TD3XC1.1
1000	Φ108	25	305	375	408	Φ133	±3° ~±5°	Slot Type / Parallel	TD4XC1.1
1200	Φ108	25	305	455	488	Φ133	±3° ~±5°	Slot Type / Parallel	TD5XC1.1
1400	Φ108	25	305	525	558	Φ133	±3° ~±5°	Slot Type / Parallel	TD6XC1.1
1600	Φ133	30	306	600	635	Φ159	±3° ~±5°	Slot Type / Parallel	TD7XC1.1
1800	Φ159	30	306	700	735	Φ159	±3° ~±5°	Slot Type / Parallel	TD8XC1.1