

Multi-Disc Torque Limiters

Series 54L



Series 54L Multi-Disc Torque Limiters

For Wet or Dry Operation

The Series 54L torque limiters prevent overload damage in an installation by slipping at an adjustable preset torque. These compact units are a simple construction and are easy to adjust. Optional overload Slip Sensor can be used to detect torque overload.

Features

- Simple stepless adjustment allows accurate setting of any required breakaway torque up to the maximum
- Multi-disc design results in contact high torque unit
- Large friction area gives extended plate life
- Bi-directional operation
- Suitable for horizontal or vertical installation
- With optional overload Slip Sensor, detection and signaling of slip is achieved

Typical Applications

- Conveyors
- Pulsating Drives with High Peaks
- Mining
- Bulk Material Handling

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MODEL		54L25	54L30	54L40	54L50	54L60	54L70
Performance Data							
Maximum Rated Breakaway Torque in Oil	Nm	30	99	264	460	680	1220
	lbf ft	22	73	195	340	487	900
Weight (kg)							
Complete Unit		0.8	1.4	2.5	3.6	5.3	7.8
Dimensional Data (all dimensions in mm)							
Standard Bores (H7) and Keyways to I.S.O. 773 (Bores other than standard can be obtained by special order)		20 6 x 2.8	25 8 x 3.3	40 12 x 3.3	50 14 x 3.8	60 18 x 4.4	75 20 x 4.9
Minimum Bore		11	19	25	31.5	34.5	41
Diameters (all dimensions in mm)							
A		64	76	101	126	151	176
B		36	42	56	72	85	100
Lengths							
L		35	48	58	67	72	92
Lengths							
R		73	86	113	142	169	196
S (H7)		40	52	68	82	98	112
T		27	32	39	44	50	58
U		8.5	8	10	11	14.5	15

