

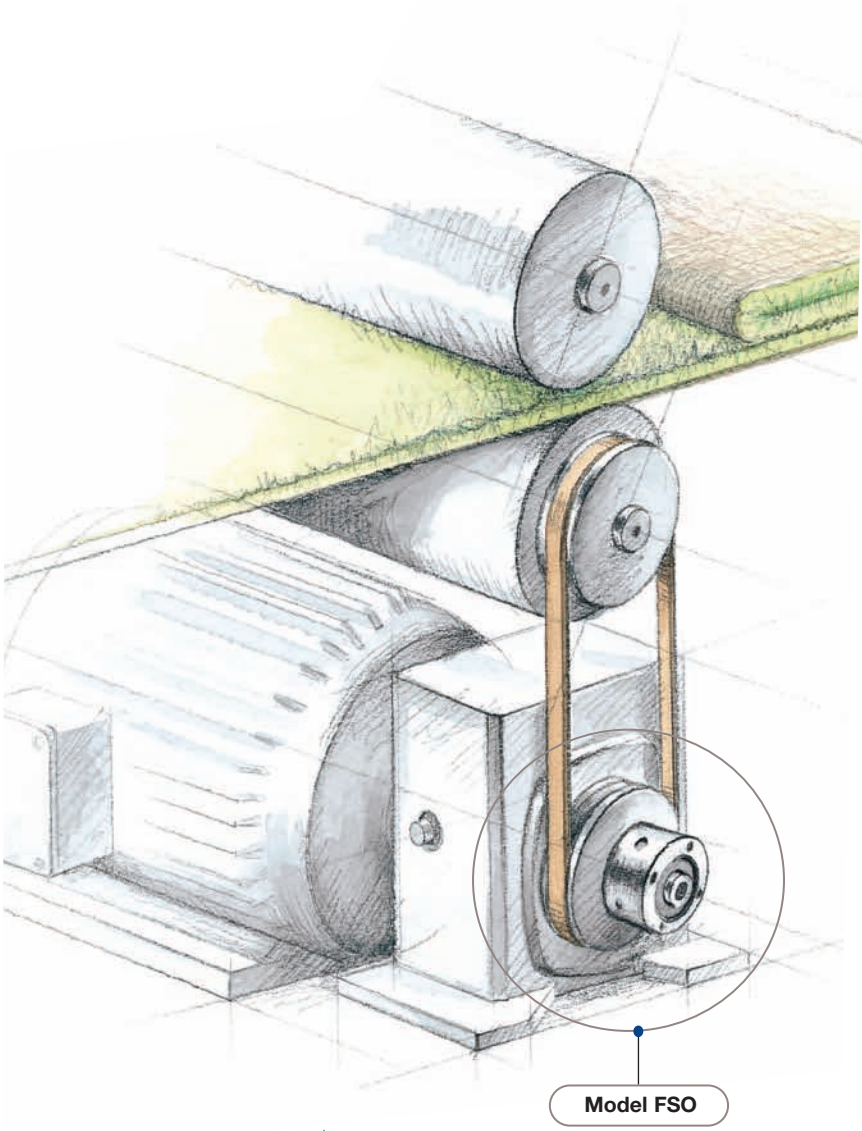


Textile Processing Applications

Overrunning



FSO overrunning clutches allow the feed drive to power the rollers at a low speed when threading the leading edge of a new roll of fabric. When the fabric is fully threaded and ready to be pulled at production speeds, the FSO un-clutches the feed drive allowing those same rollers to be rotated at faster speeds without back driving the lower speed feed drive. The clutch automatically disconnects the lower speed feed drive during higher speed operation and prevents possible damage to the feed drive if back driven at the higher speeds.

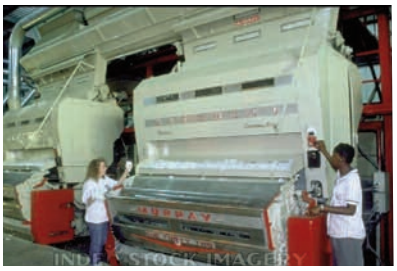


For Technical Assistance Call

800-927-3262

Formsprag Clutch

An Altra Industrial Motion Company





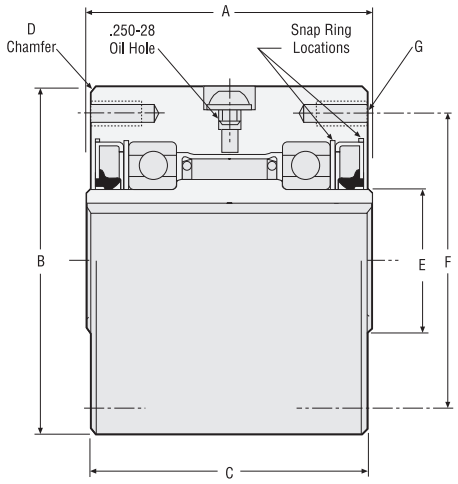




Model FSO

Specifications

Size	Torque Capacity lb.ft. (Nm)	Maximum RPM								Resistance after run-in lb.ft. (Nm)	Lubrication		Shipping Weight lb (kg)
		Standard Models				C/T Sprag Models					Oil or Grease	Oil only	
		Oil and Grease Lip Seals		Labyrinth Grease Seals		Overrunning Speed							
		Inner Race	Outer Race	Inner Race	Outer Race	Inner Race	Outer Race	Max. drive	Sprag lift-off		FSO oz (ml)	HPI oz (ml)	
300	275 (379)	3,000	900	3,600	900	3,000	6,000	1,100	1,300	.13 (.18)	.25 (7.0)	.50 (14.0)	3.5 (1.6)
400	300 (407)	2,800	850	3,600	850	2,800	5,000	1,100	1,300	.20 (.27)	.33 (9.9)	.67 (19.8)	6 (2.7)
500	1,175 (1621)	2,500	800	3,000	800	2,500	4,000	1,000	1,200	.23 (.31)	.75 (22.0)	1.25 (35.0)	10.5 (4.8)
550	1,885 (2598)	1,175	800	—	—	—	—	—	—	.35 (.47)	1.75 (52.0)	—	12 (5.4)
600	2,250 (3105)	2,200	750	2,400	750	2,200	3,600	1,000	1,200	.46 (.62)	1.75 (52.0)	3.00 (84.0)	19 (8.6)
650	2,375 (3273)	900	600	—	—	—	—	—	—	.80 (1.08)	6.00 (168.0)	—	24 (10.8)
700	5,000 (6900)	1,600	450	2,000	450	1,600	2,500	800	1,000	1.15 (1.56)	6.00 (168.0)	10.00 (280.0)	42 (19)



For additional information, see Catalog P-956 or visit our website at www.formsprag.com

Dimensions Inches (mm)

Size	A	B	C	D	E	F	G Number	G Bore Range
300	2.50 (63.50)	3.000/2.998 (76.20/76.15)	2.38 (60.45)	.06 x 45° (1.58 x 45°)	1.12 (28.58)	2.625 (66.67)	4 @ 90°	.5 / .75
400	2.75 (69.85)	3.500/3.498 (88.90/88.85)	2.69 (68.26)	.06 x 45° (1.58 x 45°)	1.19 (30.15)	2.875 (73.02)	4 @ 90°	.4 / .87
500	3.50 (88.90)	4.250/4.248 (107.95/107.90)	3.38 (85.72)	.06 x 45° (1.58 x 45°)	1.75 (44.45)	3.625 (92.07)	4 @ 90°	.75 / 1.3
550	3.25 (82.55)	4.750/4.748 (120.65/120.60)	3.125 (79.38)	0.08	2.75 (69.85)	4.25 (107.95)	6 @ 60°	1.0 / 1.6
600	3.75 (95.25)	5.375/5.373 (136.53/136.47)	3.63 (92.07)	.06 x 45° (1.58 x 45°)	2.50 (63.50) 2.72 (69.09)	4.750 (120.65)	6 @ 60°	.9 / 2.25
650	3.50 (88.90)	6.500/6.498 (165.1/165.05)	3.375 (85.72)	0.09	3.187 (80.94)	5.75 (146.05)	8	1.6 / 2.5
700	5.00 (127.00)	7.125/7.123 (180.97/180.92)	4.88 (123.82)	.06 x 45° (1.58 x 45°)	3.56 (90.42) 4.00 (101.60)	6.250 (158.75)	8	1.8 / 3.25

Formsprag Clutch

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