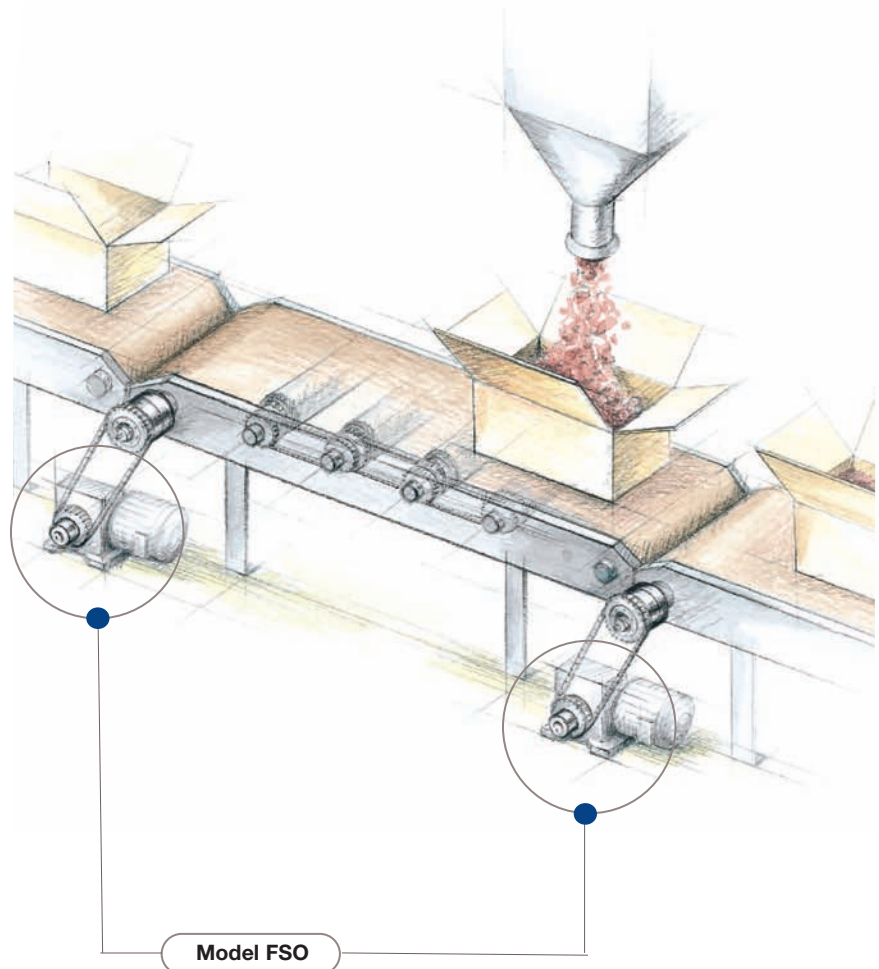


Conveyor Drive Applications



Overrunning

FSO clutches are used on multi speed conveyors that drive in only one direction to provide the non-destructive accommodation of speed differentials in powered rollers and belt drive systems. The FSO clutch allows the slower speed zone to over-speed during the transitional period without back driving the slower drive system.



For Technical Assistance Call

800-927-3262

 **Formsprag**
Clutch

An Altra Industrial Motion Company

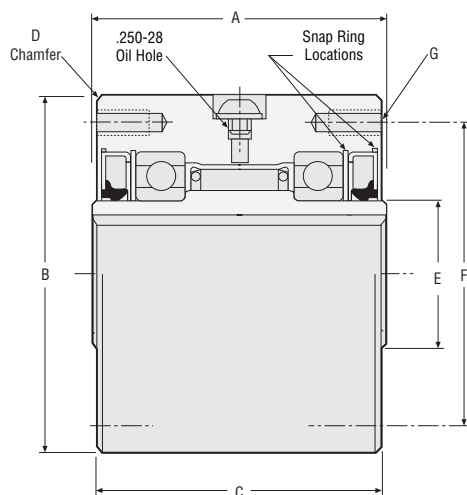


Model FSO

Specifications

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	
		Overrunning Speed				Overrunning Speed		Max. drive Sprag lift-off					
		Oil and Grease Lip Seals		Labyrinth Grease Seals									
		Inner Race	Outer Race	Inner Race	Outer Race	Inner Race	Outer Race				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)

Dimensions Inches (mm)



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

Size	A	B	C	D	E	F	G	
							Number	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°	.7 / 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)	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)	6.250 (158.75)	8	1.8 / 3.25



Formsprag Clutch

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