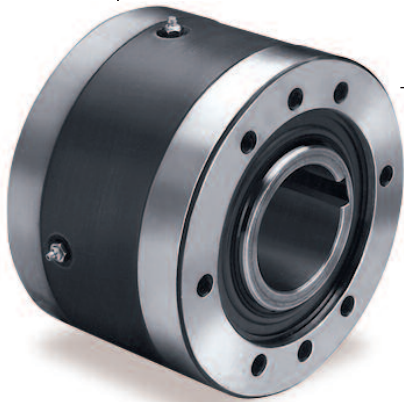


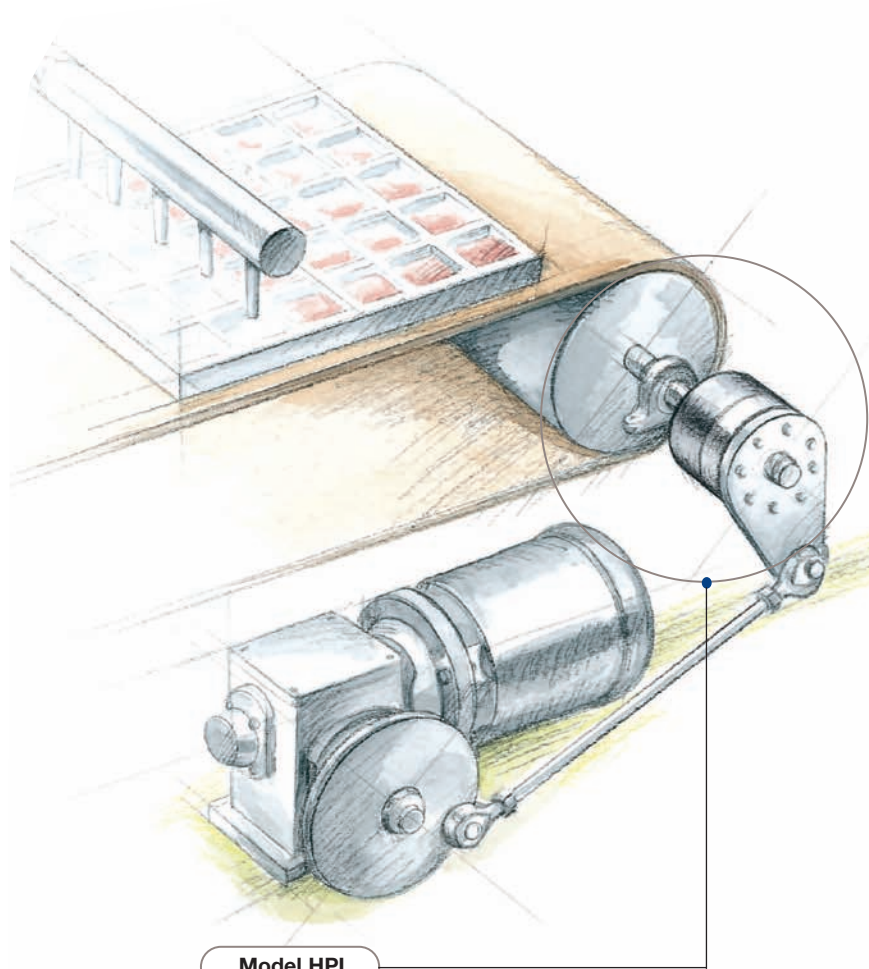


Food Conveyor Indexing Drive Applications



Indexing

HPI clutches are mounted on the head shaft and translates the reciprocating motion from the crank mechanism into incremental motion in one direction, advancing the conveyor a uniform distance with each drive stroke and then overrunning in the opposite direction on the return stroke. These clutches are available with FDA approved food grade greases and a variety of surface coatings required for wash down duty.



For Technical Assistance Call

800-927-3262

 **Formsprag**
Clutch

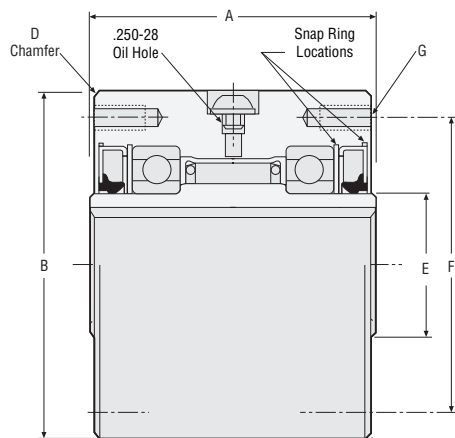
An Altra Industrial Motion Company



Model HPI

Specifications

SizeTorque 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							
		Oil and Grease Lip Seals		Labyrinth Grease Seals									
		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	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. / 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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