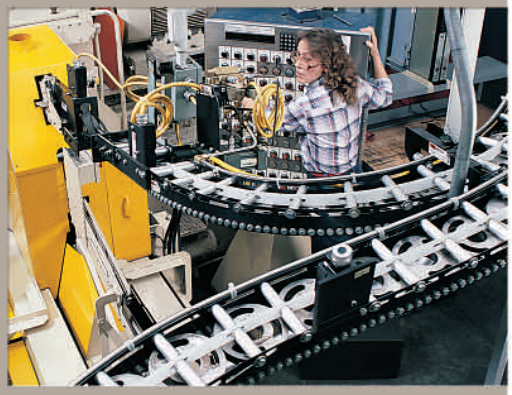


Product Solutions for Conveyor Applications

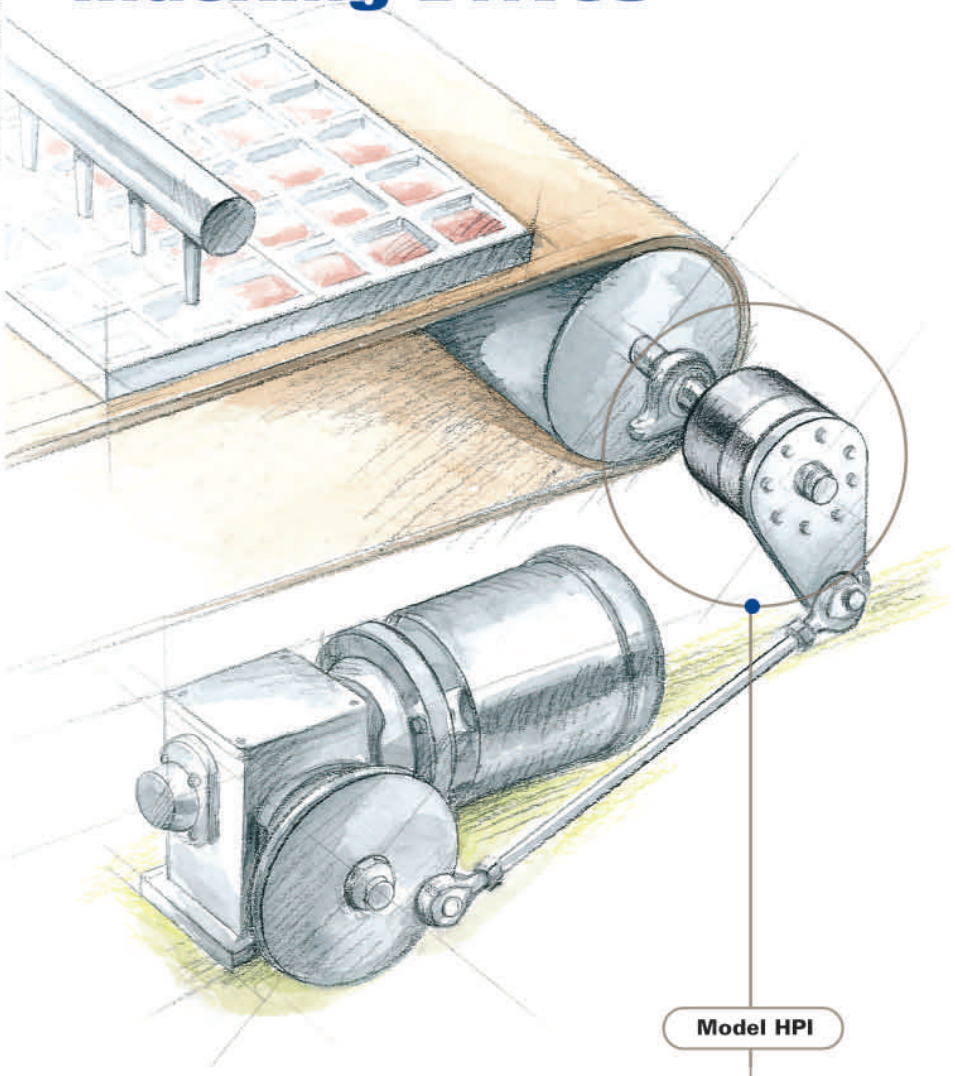
Indexing Drives

Application:

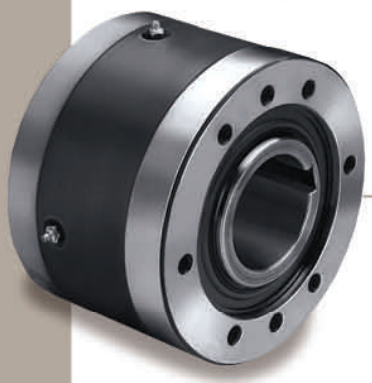
Indexing

HPI clutches are mounted on the head shaft and translate 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 a variety of surface coatings required for wash down duty.

Formsprag clutches are available in a variety of sizes, models and surface coatings including washdown versions.



Model HPI



Material Handling

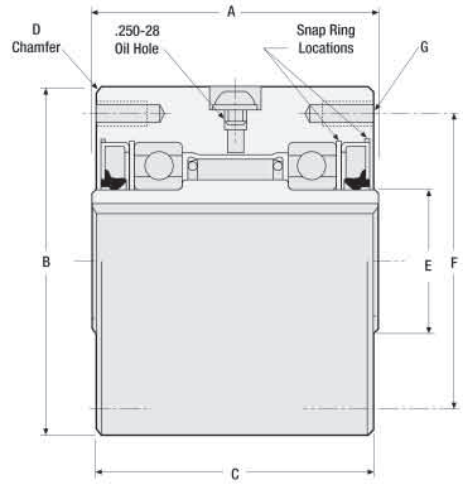
Formsprag Clutch



Model HPI

Specifications

Size	Torque Capacity lb.ft. (Nm)	Maximum RPM: Standard Models: Overrunning Speed: Oil and Grease Lip Seals: Inner Race	Oil and Grease Lip Seals: Outer Race	Labyrinth Grease Seals: Inner Race	Labyrinth Grease Seals: Outer Race	C/T Sprag Models: Overrunning Speed: Inner Race	Overrunning Speed: Outer Race	Max. drive	Sprag lift-off	Resistance after run-in lb.ft. (Nm)	Lubrication: Oil or Grease: FSO oz (ml)	Oil only: HPI oz (ml)	Shipping Weight lb (kg)
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)

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°	.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

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

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