## FS 750-1027 FSO 750-1027 HPI 750-1027



TYPE

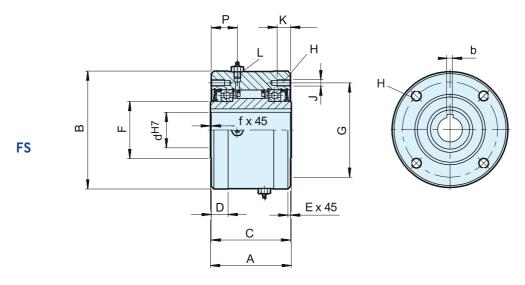


ypes FS, FSO, and HPI 750 to 1027 are sprag type freewheels self-contained, sealed and bearing supported, using two ball bearings.

Units are delivered oil or grease lubricated according to the type. It is a Formsprag USA design that uses tall sprags with multi-radius active surfaces. Designed specially for large size freewheels to compensate for any eccentricity due to bearing wear. Type FS is oil lubricated

and uses standard shaft lip seals. Type FSO is grease lubricated and equipped with special grease seals.

Type HPI is specially designed for high speed indexing applications. Each of the different models show a range of standard metric bore diameters. We can supply any bore size between the minimum and maximum specified in the table, including imperial sizes.



Туре	Size			unning eds															Lubricant		Weight	Drag torque		
			FS0	FS	d <sup>H7</sup> -bxh	d <sup>4)</sup>	A	B <sup>5)</sup>	С	D	Ε	F	G	Н	J	K	L	P	f	FS0	HPI	FS		T <sub>R</sub>
FSO FS HPI		T <sub>KN</sub> 1) [Nm]	<b>n</b> 2) max [min <sup>-1</sup> ]	n <sub>max</sub> 3) [min <sup>-1</sup> ]	[mm]	min-max [mm]	[mm]	-0,05 [mm]	[mm]	[mm]	[mm]	[mm]	[mm]			[mm]	[inch]	[mm]	[mm]	[ml]	[ml]	[ml]	[kg]	[Ncm]
					65-18x11																			
					70-20x12																			
	750	9660	1800/650	1000/650	75-20x12	57-87	152,4	222,25	149,2	31,7	1.6	107,74	177,8	8*	M12*	25	1/2-20	49,2	1,6	222	384	207	38	5,08
					80-22x14																			
					85-22x14																			
					80-22x14																			
	800	17940	1500/525	850/525	90-25x14	66-112	152,4	254,00	149,2	31,7	1,6	139,70	227,0	8	M12	25	1/2-20	49,2	1,6	222	444	251	46	7,12
					100-28x16																			
					110-28x16																			
					100-28x16																			
	900	24408	1350/500	700/500	110-28x16	92-138	161,9	304,80	158,7	34,9	1,6	161,92	247,65	10	M16	32	1/2-20	54	1,6	532	473	340	71	8,47
					120-32x18																			
					130-32x18																			
					130-32x18																			
	1027	36612	700/375	500/375	150-36x20	125-177	168,3	381,00	165,1	34,9	3,2	228,60	298,45	12	M16	32	1/2-20	54	3,2	651	946	473	113	13,56
					175-45x25																			

## NOTES

- 1)  $T_{max} = 2 \times T_{KN}$ » Refer to Selection page 10 to 13
- 2) Inner race/outer race
- 3) Inner race/outer race
- 4) Inch bore available on request
- \*) 6 holes equally spaced at  $60^{\circ}$  plus 2 extra-holes at  $180^{\circ}$
- 5) Tolerance for sizes 900 and 1027: -0,08

## MOUNTING EXAMPLE

