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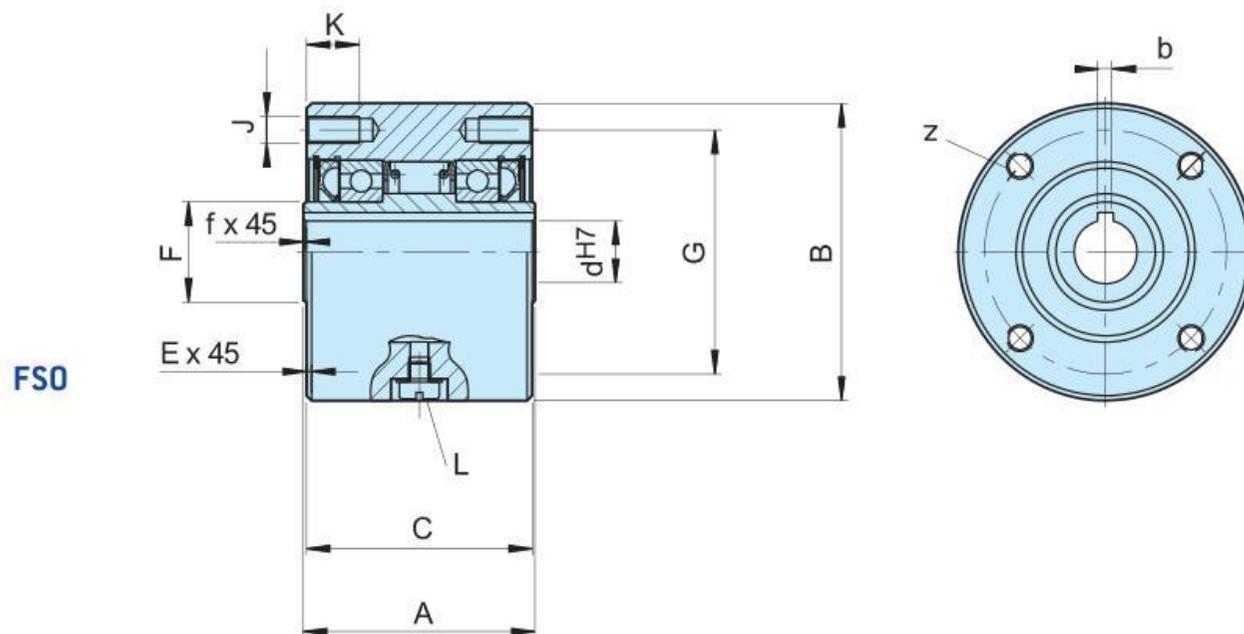
Technical Parameter of FSO / HPI

Types FSO, FSO-GR, and HPI 300 to 700 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 design with a full sprag complement that gives a very high torque for a given diameter. Any overload is resisted by a sprag to sprag abutment, avoiding a sprag tilt over.

Types FSO and HPI are oil lubricated and use standard shaft lip seals.

Type FSO-GR is grease lubricated and can be equipped with contact free labyrinth seals.



DATASHEET

Type	Size	Torque T_{KN}^1 [Nm]	Overrunning speeds [min^{-1}]		DIMENSION (MM)													Lubricant			Weight [kg]	Torque Drag T_R [Ncm]
			FSO n_{\max}^2	FSO-GR n_{\max}^3	dH7-bxh	d4) min-max	A	B -0.05	C	E	F	G	z	J	K	L	f	FSO	FSO..GR	HPI		
FSO FSO-GR HPI	300	379	3000/900	3600/900	15-5x5	12...19	63.5	76.2	60.45	1.6	28.58	66.67	4	M8	13	M6	0.8	7	10	14	1.6	18
	400	407	2800/850	3600/850	18-6x6	12...22	69.85	88.9	68.07	1.6	30	73	4	M8	13	M6	0.8	10	20	20	2.7	27
	500	1621	2500/800	3000/800	30-8x7	19...33	88.9	107.95	85.73	1.6	45	92	4	M8	16	M6	1.5	22	35	35	4.8	31
	600	3105	2200/750	2400/750	45-14x9	24...57	95.25	136.525	92.2	1.6	63.5	120.6	6	M8	16	M6	1.6	52	84	84	8.6	62
	700	6900	1600/450	2000/450	60-18x11	48...82	127	180.975	123.85	1.6	90	158.75	8*	M10*	20	M6	1.6	168	280	280	19	156

NOTES

- 1) $T_{\max} = 2 \times T_{KN}$
- 2) Inner race/outer raceg
- 3) Inner race/outer race labyrinth seal
- 4) Inch bore available on request
- 5) Only for oversize bore

MOUNTING EXAMPLE

