

Cage Freewheels SF ... P

for assembly with inner and outer ring
for high run out (T.I.R.), with sprags

RINGSPANN®



Application as

- ▶ Backstop
- ▶ Overrunning Clutch
- ▶ Indexing Freewheel

Features

Cage Freewheels SF ... P are sprag freewheels to be installed between customer-supplied inner and outer rings.

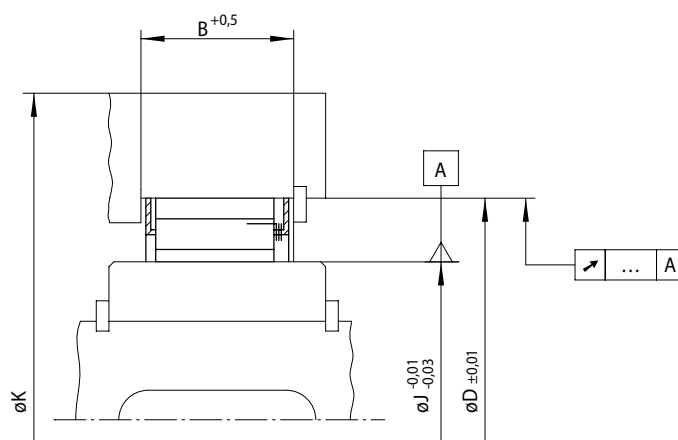
Nominal torques up to 5 800 Nm.

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Indexing Freewheel Overrunning Clutch Backstop	Type for high run out (T.I.R.) For universal use	Dimensions

Freewheel Size	Type	Torque nominal teórico	Nominal torque at existing run out (T.I.R.)				J	D	B	K	Sprags	Weight
		↗ 0,0 A Nm	↗ 0,05 A Nm	↗ 0,1 A Nm	↗ 0,15 A Nm		mm	mm	mm	mm	Quantity	kg
SF 37-14,5	P	230	210	200	200		37	55	14,5	75	14	0,06
SF 44-14,5	P	420	390	360	350		44	62	14,5	90	20	0,08
SF 57-18,5	P	1200	960	750	600		57	75	18,5	100	24	0,13
SF 72-23,5	P	2700	2200	1700	1400		72	90	23,5	130	32	0,23
SF 82-25	P	2800	2400	1900	1500		82	100	25,0	135	36	0,26
SF 107-25	P	4100	3300	2700	2100		107	125	25,0	165	48	0,35
SF 127-25	P	5800	4800	3900	3100		127	145	25,0	200	56	0,40

Cage Freewheels SF ... P are available with short delivery times.

The maximum transmissible torque is 2 times the specified nominal torque. See page 14 for determination of selection torque.

The theoretical nominal torque applies only for ideal concentricity between the inner and outer ring. In practice, the concentricity is affected by the bearing play and centering errors of the neighbouring parts. Then the nominal torques specified in the table apply, whilst taking into consideration the existing run out (T.I.R.).

Mounting

The lateral guidance of the Cage Freewheels can be effected either by a shoulder on the outer ring or by guard rings or guard discs which are fixed in the outer ring.

Torque transmission capacity can be increased if several cages are arranged side by side. In this case please consult with RINGSPANN on transmissible torques.

Please note the technical points on page 114 regarding the sprag tracks.

Example for ordering

Freewheel size SF 44-14,5 type for high run out (T.I.R.):

- SF 44-14,5 P