Internal Freewheels RC

for keyway connection on the outer ring with sprags

RINGSPANN®

Application as

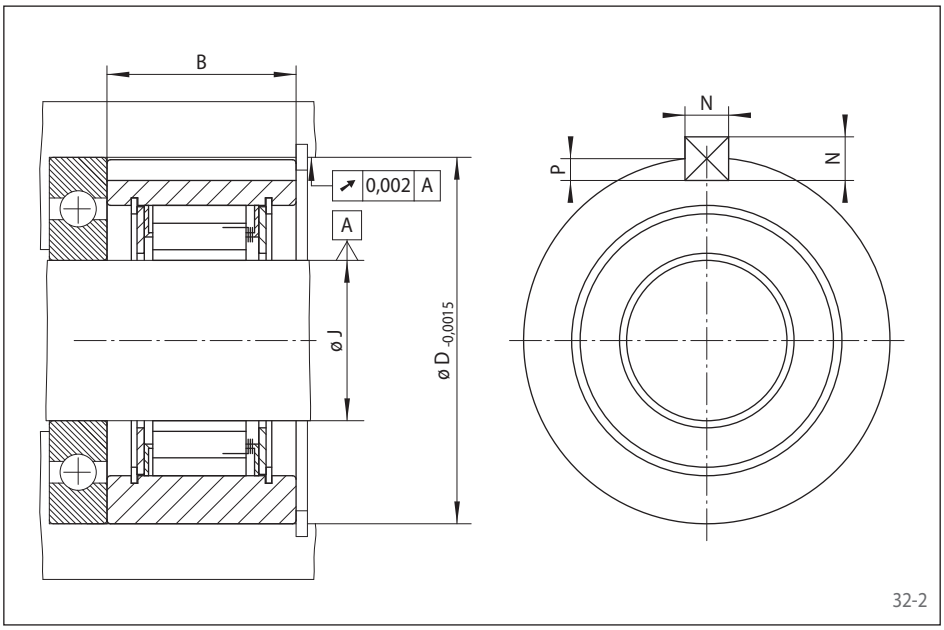
- Backstop
- Overrunning Clutch

Features

Internal Freewheels RC are sprag freewheels without inner ring or bearing support. The customer's hardened and ground shaft is used as the inner ring.

Maximum torques up to 1 240 lb-ft.

The freewheel is incorporated into the customer's housing, allowing for a compact, space saving solution.



Mounting

Internal Freewheels RC require bearing support and a shaft hardened to HRC 58-62 with a 0.060 inch case depth after grinding to a 16 micro finish. Concentric alignment of the shaft and housing bore is required.

Lubrication

Internal Freewheels RC require either grease or oil lubrication. Lubrications containing molybdenum disulphide must not be used.

Backstop

Standard type
For universal use

Dimensions

Freewheel Size	Maximum torque M_M lb-ft	Nominal torque M_N lb-ft	Housing Bore Diameter D inch	Freewheel Diameter D inch	B inch	Shaft Diameter J inch	Keyway N x P inch	Use with bearing	Weight lbs
RC 205	220	110	2.0482	2.0463	1.000	0.929/0.930	$^3/_{16}$ x $^3/_{32}$	205	0.75
RC 206	390	195	2.4422	2.4403	1.125	1.289/1.290	$^1/_4$ x $^1/_8$	206	1.00
RC 207	650	325	2.8360	2.8341	1.125	1.656/1.657	$^1/_4$ x $^1/_8$	207	1.25
RC 208	900	450	3.1510	3.1491	1.250	1.840/1.841	$^3/_8$ x $^3/_{16}$	208	1.75
RC 210	1 240	620	3.5447	3.5248	1.250	2.208/2.209	$^3/_8$ x $^3/_{16}$	210	2.00

See page 9 for determination of selection torque.