

Complete Freewheels RFB

with torque arm and clamping collar or mounting flange
with sprags and grease lubricated ball bearings



22-1

Application as

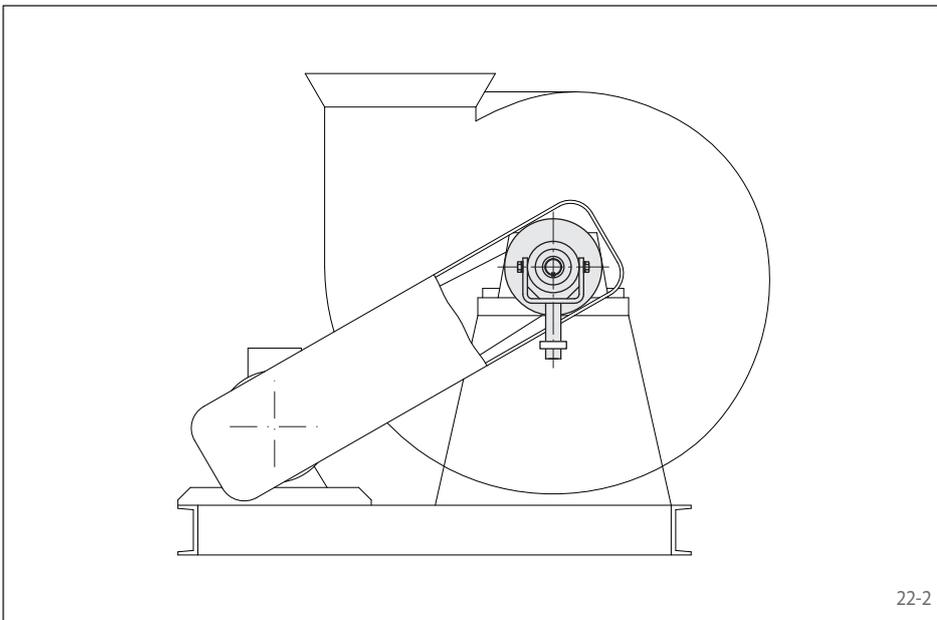
▶ Backstop

FeaturesFeatures

Complete Freewheels RFB are sprag freewheels with sealed grease lubricated ball bearings that require no maintenance. They are supplied with a clamping collar or a flange for direct mounting to standard bushings.

Maximum torques up to 900 lb-ft.

Bores up to 6 inch with clamping collar.



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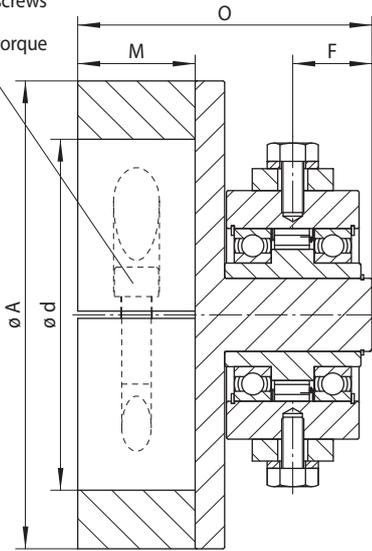
Application example

Complete Freewheel RFB as a backstop on a radial fan. The backstop prevents reverse rotation of the fan shaft from air flow or from incorrectly polarized drive motor.

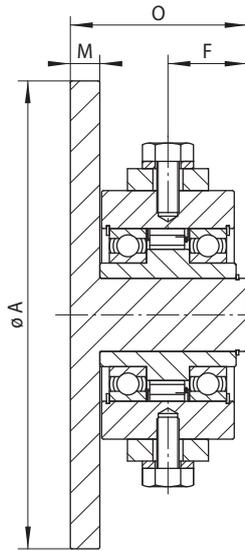
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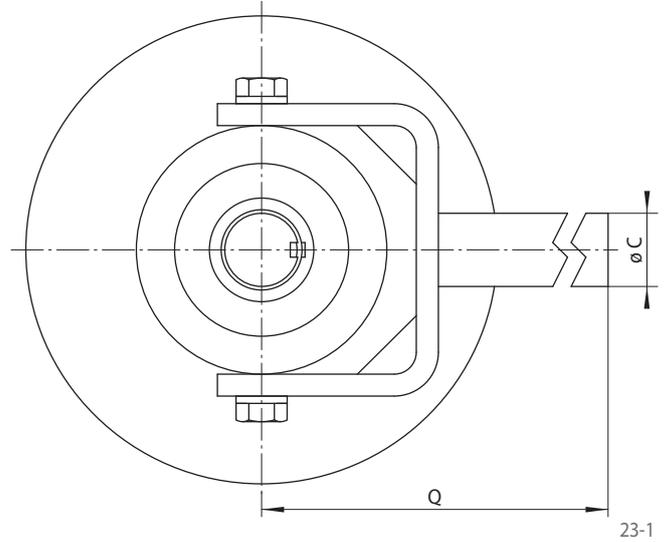
Tightening screws
2 x 1/2"-20
Tightening torque
125 lb-ft



Size RFB 350 and 450 Type C
with clamping collar



Size RFB 450 Type QD and
Taper Lock with mounting flange



Backstop	Standard type	Dimensions											
	For universal use												

Freewheel Size	Type	Maximum torque M_M lb-ft	Nominal torque M_N lb-ft	Maximum speed inner ring freewheels rpm	Bore d		A inch	C* inch	F inch	M inch	O inch	Q inch	Connection/Bushing Type
					min. inch	max. inch							
RFB 350	C	700	350	1800	1	3.94	6	1.25	1.34	2.0	5	16.63	Shaft end mounted
RFB 450	C	900	450	1800	4	6.00	8	1.25	1.34	2.0	5	16.63	Shaft end mounted
RFB 450	QD	900	450	1800	-	-	8	1.25	1.34	0.5	3	16.63	E F J
RFB 450	Taper Lock	900	450	1800	-	-	8	1.25	1.34	0.5	3	16.63	3020 30525 2535 4030

See page 9 for determination of selection torque.

* A 3/4" inch diameter arm extension is available upon request.

Mounting

Backstops RFB are mounted with either a clamping collar to shaft end or a mounting flange that can be connected directly to a QD or Taper Lock bushing.

Additional shaft accessories may be required for RFB-TL designs, contact RINGSPANN.