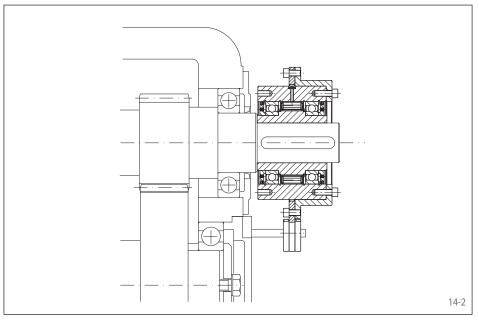
Complete Freewheels FRXF



with torque arm with sprag lift-off X and sealed grease lubricated ball bearings





Application as

Backstop

Features

Complete Freewheels FRXF are freewheels with sprag lift-off X, labyrinth seals, and sealed grease lubricated ball bearings. All units are supplied complete with torque arms. FRXF backstops are maintenance free and lubricated for life prior to shipping.

Maximum torques up to 29000 lb-ft.

Bores up to 4.5 inch. Standard bores are available from stock.

Application example

Complete Freewheel FRXF as backstop, arranged at the end of a high speed shaft of the gearbox. The back driving torque is restrained by the clutch torque arm and the gearbox torque arm pin.

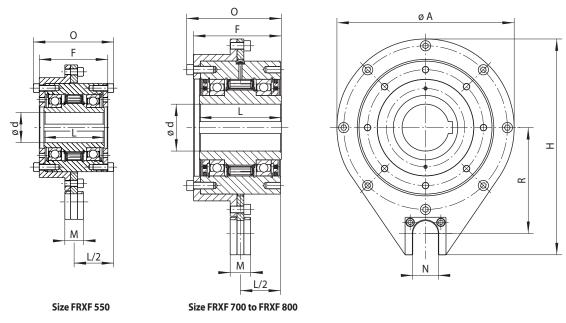
With this high shaft speed under normal operation (freewheeling operation), sprag lift-off X is used; the sprags work in freewheeling operation without contact and are wear-free.

Complete Freewheels FRXF



15-1

with torque arm with sprag lift-off X and sealed grease lubricated ball bearings



Backstop	Type with sprag lift-off X To extend service life using sprag lift-off for high speed rotating inner ring	Dimensions
4		

	iviaxiiiiuiii	INUITIIIIai	Sprag	IVIAXIIIIUIII				_					_ A	F	- 11	L	IVI	IN	0	n	lorque	weignt
	torque	torque	lift-off at	speed	Bore																arm	
Freewheel	M _M	M _N	inner ring	inner ring	d																Size	
Size			speed	overruns	Standard bores																	
	lb-ft	lb-ft	rpm*	rpm	inch								inch	inch	inch	inch	inch	inch	inch	inch		lbs
FRXF 550	1 500	750	700	4000	1.250	1.312	1.500	1.625				1.625	6.750	3.750	8.313	3.25	1.00	0.813	4.380	4.00	#10	20
FRXF 700	8 100	4050	350	3600	1.938	2.000	2.250	2.438	2.500	2.750	2.938	2.938	9.375	5.250	11.813	5.00	1.25	1.250	5.625	6.00	#20	60
FRXF 775	14800	7300	320	2100	2.750	2.938	3.000	3.250	3.438	3.500	3.750	3.750	13.000	6.375	15.825	6.00	1.50	1.875	6.875	7.76	#60	150
FRXF 800	29 000	14500	250	1800	4.500							4.500	13.000	6.375	15.825	6.00	1.50	1.875	6.875	7.76	#60	160

See page 9 for determination of selection torque.

Mounting

The back driving torque is restrained by the clutch torque arm and the gearbox torque arm pin. It must have clearance of 1/4 inch to 1/2 inch in both radial and axial directions.

Complete Freewheels FRXF are furnished to size for a slip fit on the shaft.

Non lift off clutch varieties are available when operating below sprag lift off speeds.

Lubrication

The freewheels FRXF 700 and larger are supplied with labyrinth seals, sealed grease lubrication ball bearings and required no additional lubrication.

^{*} Maximum recommended operating speed.

Keyway dimensions upon request by customers.