

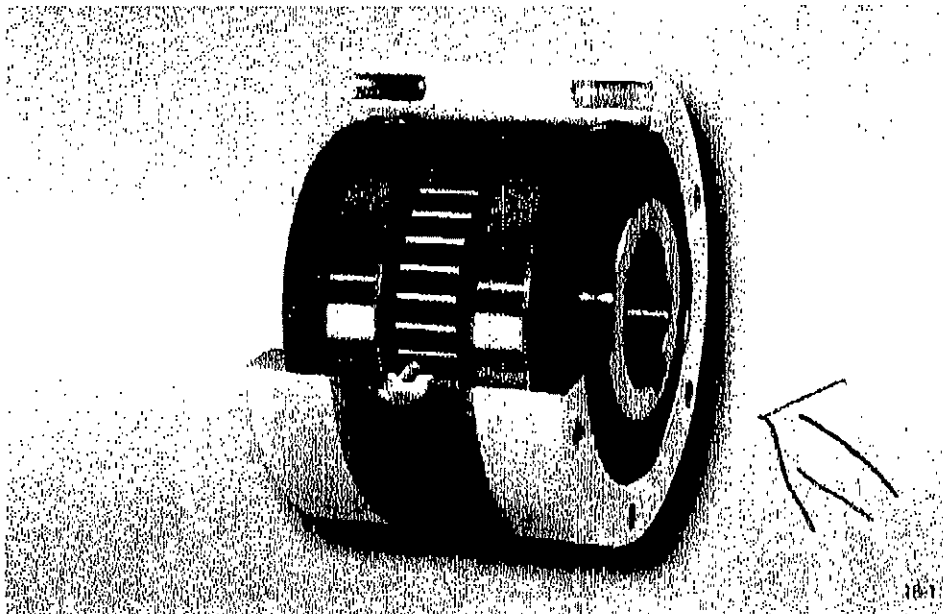
Complete Freewheels FR ...

for bolting to the face
in inch dimension, with sprags available in four types

北山電機

RINGSPANN®

新丸金



Application as

- ▶ Backstop
- ▶ Overrunning Clutch
- ▶ Indexing Freewheel

Features

Complete Freewheels FR ... are sealed sprag freewheels in inch dimension with ball bearings. They are supplied oil-filled and ready for installation.

In addition to the standard type, three other types are available for extended service life.

Nominal torques up to 27500 lb-ft.

Bores up to 7 inch. Many standard bores are available.

Application example

Complete Freewheels FRS 600 in both drive units of a transport system with a conveyor belt that moves both forward and backward (reversible operation). In order to ensure that the conveyor belt is moved under tension, forward movement is driven by drive unit I, reverse movement by drive unit II. The freewheels automatically disengage the respective non working drive, eliminating the need for expensive external clutches or brakes.

For forward movement, drive unit II is started in freewheeling direction of freewheel II; freewheel II is in freewheeling operation and disengages drive unit II from the conveyor belt. Afterwards drive unit I is started in the locking direction of the freewheel I; freewheel I is in driving operation and the conveyor belt is moved forward by drive unit I. The speed of drive unit I is lower than that of drive unit II. Thus freewheel II remains in freewheeling operation and drive unit II is not improperly engaged.

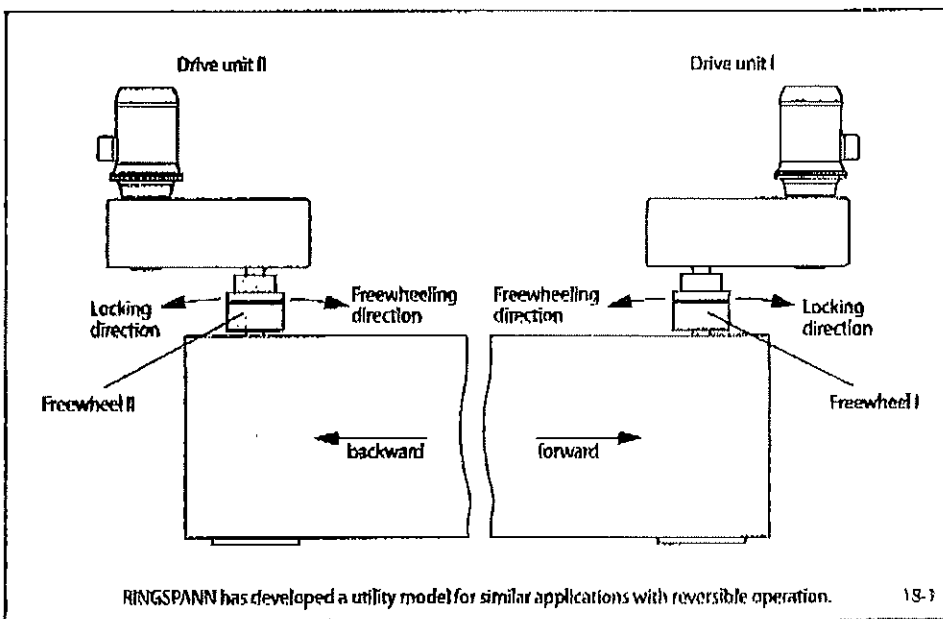
For reverse movement, the drive units are started in reverse order and direction of rotation at the corresponding speeds.

Mounting

The customer attachment part is centered on the external diameter D and then bolted on to the face.

The tolerance of the shaft must be +0 / -0,001 inch and the tolerance of the pilot diameter D of the attachment part must be -0 / +0,002 inch.

このY-b-の品物が
が手に入るか？
お取次ぎ物。



RINGSPANN has developed a utility model for similar applications with reversible operation.

Standard bores and keyway sizes (inch)

FR ... 300	0,500	0,625	0,750							
	1/8 x 1/16	3/16 x 3/32	3/16 x 3/32							
FR ... 400	0,500	0,625	0,750	0,875	1,000	1,125				
	1/8 x 1/16	3/16 x 3/32	3/16 x 3/32	3/16 x 3/32	1/4 x 1/8	1/4 x 1/8				
FR ... 500	0,875	1,000	1,125	1,250	1,312					
	3/16 x 3/32	1/4 x 1/8	1/4 x 1/8	1/4 x 1/8	1/4 x 3/32					
FR ... 550	1,250	1,312	1,500	1,625						
	1/4 x 1/8	3/8 x 3/16	3/8 x 3/16	3/8 x 1/8						
FR ... 600	1,250	1,375	1,438	1,500	1,625	1,688	1,750	1,938	2,000	
	1/4 x 1/8	3/8 x 3/16	3/8 x 3/16	3/8 x 3/16	3/8 x 3/16	3/8 x 3/16	3/8 x 3/16	3/8 x 1/8	3/8 x 1/8	
FR ... 650	1,938	2,000	2,250	2,438	2,500					
	1/2 x 1/4	1/2 x 1/4	1/2 x 1/4	5/8 x 1/8	5/8 x 1/8					
FR ... 700	1,938	2,000	2,250	2,438	2,500	2,750	2,938			
	1/2 x 1/4	1/2 x 1/4	1/2 x 1/4	5/8 x 5/16	5/8 x 5/16	5/8 x 7/32	5/8 x 1/8			
FR ... 750	2,438	2,500	2,938	3,000	3,250	3,438				
	5/8 x 5/16	5/8 x 5/16	3/4 x 3/8	3/4 x 3/8	3/4 x 3/8	3/4 x 1/8				
FR ... 775	2,750	2,938	3,000	3,250	3,438	3,500	3,750			
	5/8 x 3/16	3/4 x 3/8	3/4 x 3/8	3/4 x 3/8	3/4 x 3/8	7/8 x 5/16	7/8 x 5/16	7/8 x 1/4		
FR ... 800	3,000	3,250	3,438	3,500	3,750	3,937	4,000	4,250	4,500	
	3/4 x 3/8	3/4 x 3/8	7/8 x 7/16	7/8 x 7/16	7/8 x 7/16	1 x 1/2	1 x 1/2	1 x 3/8	1 x 1/4	
FR ... 900	4,000	4,438	4,500	4,938	5,000	5,438				
	1 x 1/2	1 x 1/2	1 x 1/2	1 1/4 x 5/16	1 1/4 x 5/16	1 1/4 x 5/16				
FR ... 1000	5,750	5,938	6,000	6,750	6,875	7,000				
	1 1/2 x 3/4	1 1/2 x 3/4	1 1/2 x 3/4	1 3/4 x 7/16	1 3/4 x 7/16	1 3/4 x 7/16				