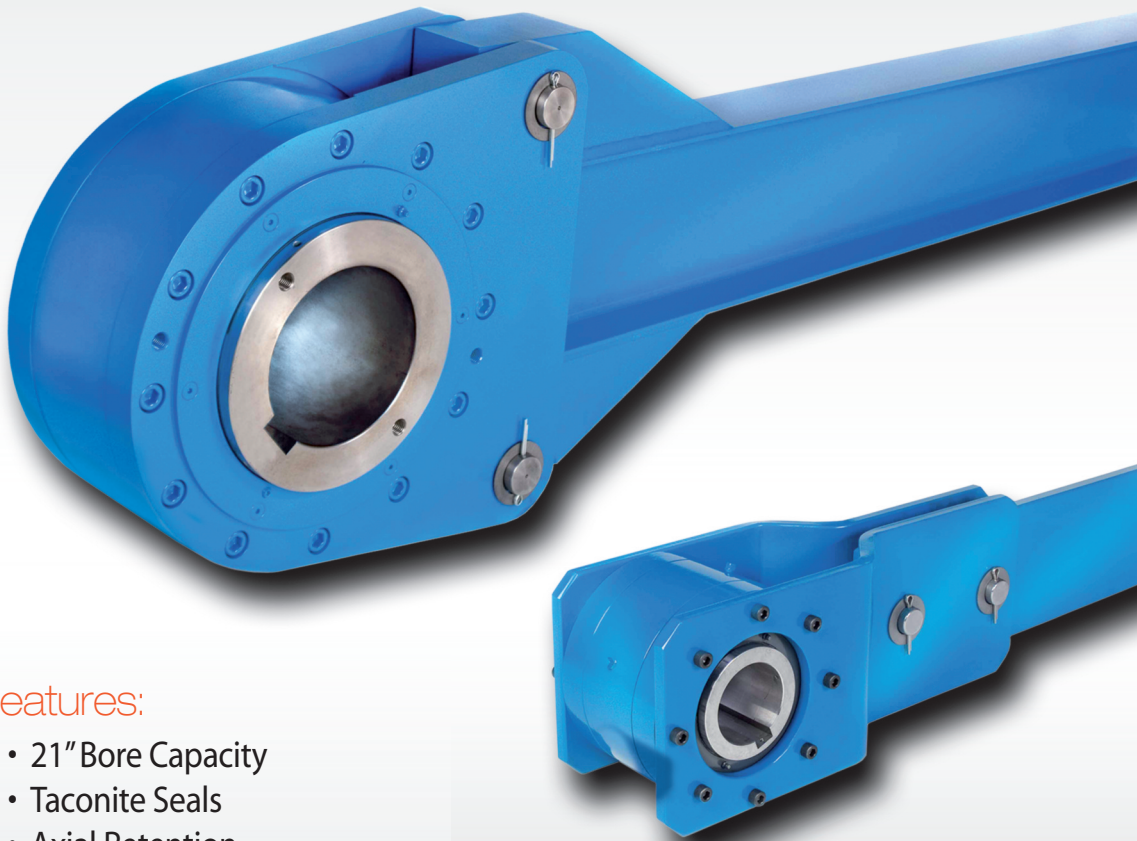


# FRHD Series

Interchange Chart for Formsprag, Marland, Falk, Stephens Adamson and Morse®



## Features:

- 21" Bore Capacity
- Taconite Seals
- Axial Retention
- Quick-Release Torque Arm
- 900,000 lb-ft Torque Capacity
- Visual Oil Gage

Quality Products • Competitive Price • Quick Delivery



# Interchange Chart

For Heavy Duty Low-Speed Backstops

Manufacturer	Formsprag	RINGSPANN®	Marland	RINGSPANN®	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 700 2.94 5,000	FRHD 700 3.44 3,750	BC 3MA 2.94 3,000	FRHD 700 3.44 3,750	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 750 3.44 7,000	FRHD 775 3.75 7,500	BC 6MA 3.69 6,000	FRHD 775 3.75 7,500	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 800 4.44 13,000	FRHD 800 4.5 12,000	BC 12MA 4.5 12,000	FRHD 800 4.5 12,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 900 5.44 18,000	FRHD 900 5.44 18,500	BC 18MA 5.44 18,000	FRHD 900 5.44 18,500	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1027 7 27,000	FRHD 950 7 23,000	BC 27MA 6.5 27,000	FRHD 950 7 23,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1027 7 27,000	FRHD 1000 7 28,000	BC 27MA 6.5 27,000	FRHD 1000 7 28,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1051 7 45,000	FRHD 1050 7 45,000	BC 45MA 7 45,000	FRHD 1050 7 45,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1051 7 45,000	FRHD 1100 7 45,000	BC 45MA 7 45,000	FRHD 1100 7 45,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1250 9 65,000	FRHD 1200 9 92,500	BC 63MA 8 63,000	FRHD 1200 9 92,500	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1300 10 90,000	FRHD 1300 10 110,000	BC 90MA 9 90,000	FRHD 1300 10 110,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 1375 11 135,000	FRHD 1400 12 140,000	BC 135MA 10 135,000	FRHD 1400 12 140,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 2000 13.25 200,000	FRHD 1450 12 190,000	BC 180MA 11.75 180,000	FRHD 1450 12 190,000	
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 2400 15.5 265,000	FRHD 1500 12 290,000	BC 240MA 14 240,000	BC 300MA 14 300,000	FRHD 1500 12 290,000
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 3500 20 375,000	FRHD 1600 14 373,000	BC 300MA 14 300,000	BC 375MA 18 375,000	FRHD 1600 14 373,000
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 5000 20 700,000	FRHD 1700 18 640,000	BC 375MA 18 375,000	BC 540MA 21 540,000	FRHD 1700 18 640,000
Size Max. Bore (inch) Torque Rating (lb-ft)	LLH 5000 20 700,000	FRHD 1800 21 900,000	BC 720MA 21 720,000	BC 940MA 21 940,000	FRHD 1800 21 900,000
Size Max. Bore (inch) Torque Rating (lb-ft)			BC 1200 MA 23.5 1,200,000	FRHD 1900 21 1,200,000	

Falk	RINGSPANN®	Stephens Adamson	RINGSPANN®	Morse®	RINGSPANN®
1 045 NRTHB 2.50 2,100	FRHD 700 3.44 3,750	HD 215 2.94 3,333	FRHD 700 3.44 3,750		
1 075 NRT 3.94 10,000	FRHD 775 3.75 7,500	HD 315 3.94 6,666	FRHD 775 3.75 7,500	CB 7 4 6,500	FRHD 775 3.75 7,500
1 075 NRT 3.94 10,000	FRHD 800 4.5 12,000	HD 415 4.94 11,667	FRHD 800 4.5 12,000	CB 12 5.25 12,000	FRHD 800 4.5 12,000
1 085 NRT 5.19 16,000	FRHD 900 5.44 18,500	HD 600 6 20,833	FRHD 900 5.44 18,500	CB 19 6.25 19,000	FRHD 900 5.44 18,500
1 095 NRT 5.5 28,000	FRHD 950 7 23,000	HD 700 7 27,083	FRHD 950 7 23,000	CB 30 7.75 30,000	FRHD 950 7 23,000
1 095 NRT 5.5 28,000	FRHD 1000 7 28,000	HD 700 7 27,083	FRHD 1000 7 28,000	CB 30 7.75 30,000	FRHD 1000 7 28,000
1 105 NRT 7.44 45,000	FRHD 1050 7 45,000	HD 800 8 45,833	FRHD 1050 7 45,000	CB 45 8.5 45,000	FRHD 1050 7 45,000
1 105 NRT 7.44 45,000	FRHD 1100 7 45,000	HD 800 8 45,833	FRHD 1100 7 45,000	CB 45 8.5 45,000	FRHD 1100 7 45,000
1 115 NRT 8.44 75,000	FRHD 1200 9 92,500	HD 900 9 66,667	FRHD 1200 9 92,500	CB 65 9.5 65,000	FRHD 1200 9 92,500
1 125 NRT 9 105,000	FRHD 1300 10 110,000	HD 1000 10 92,500	FRHD 1300 10 110,000		
1 135 NRT 10.5 150,000	FRHD 1400 12 140,000	HD 1200 12 145,833	FRHD 1400 12 140,000	CB 150 11.5 150,000	FRHD 1400 12 140,000
1 145 NRT 12 212,000	FRHD 1450 12 190,000	HD 1400 14 208,333	FRHD 1450 12 190,000	CB 250 13.5 250,000	FRHD 1450 12 190,000
1 155 NRT 13.25 249,000	FRHD 1500 12 290,000	HD 1600 16 316,667	FRHD 1500 12 290,000		
1 165 NRT 15.5 346,000	FRHD 1600 14 373,000	HD 1600 16 316,667	FRHD 1600 14 373,000		
1 175 NRT 17.5 519,000	FRHD 1700 18 640,000	HD 1800 18 416,666	FRHD 1700 18 640,000		
1 185 NRT 20 747,000	FRHD 1800 21 900,000				

Note: The above is a functional interchange reference, please verify dimensional interchange details. • Morse® is a registered trademark of Borg Warner

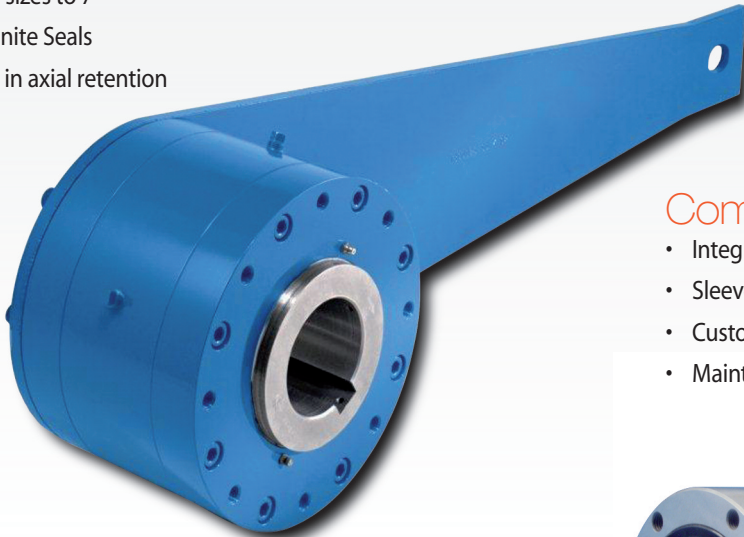
# Product Overview

For RINGSPANN products in mining

**RINGSPANN®**

## Complete Freewheel FRHM

- Interchange for Morse CB units
- Complete with torque arm
- Bore sizes to 7"
- Taconite Seals
- Built in axial retention



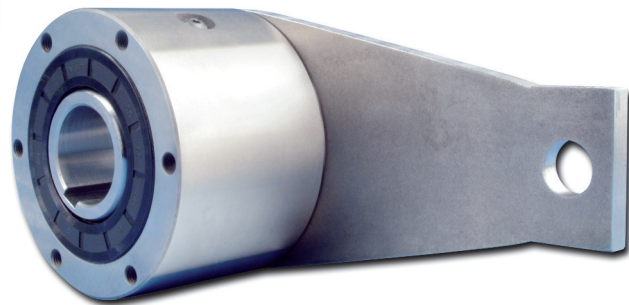
## Complete Freewheel FA

- Integral torque arm
- Sleeve bearings
- Customizable torque arm connection
- Maintenance free



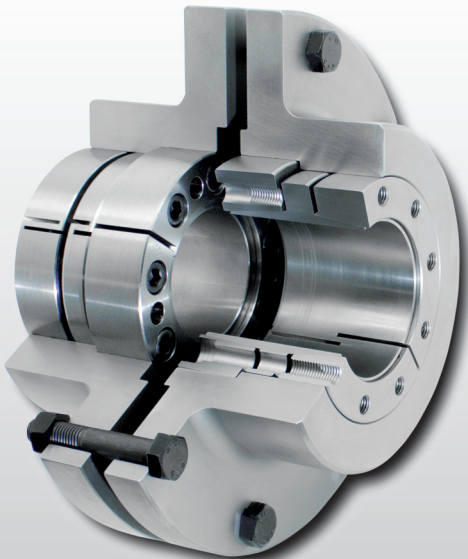
## Complete Freewheel FRS with TA

- Ideal for high speed applications
- Rugged ball bearing design
- Nominal torques up to 27500 lb-ft
- Bores sizes up to 7"



## Flange-Couplings RFK

- Unique patented compact design
- Minimal fretting corrosion
- Fast disassembly for minimal downtime
- Minimal space required for installation



## Caliper Disc Brakes

- Heavy duty modular design
- Improved heat dissipation
- Swivel friction blocks for full disc contact
- Easy and uncomplicated maintenance
- Extensive Product Selection

