

Lovejoy / Sier-Bath Flanged Sleeve Gear Couplings

FRR Type Rigid-Rigid Couplings

The F coupling consists of two rigid hubs and one accessory kit. This coupling is supplied with exposed bolts as standard. Shrouded bolts are available upon request through size 5.5.

Features

- All Steel construction
- Torque capacities that exceed the mild steel shafts to be coupled
- Heat treated bolts for greater strength
- Corrosion resistant bolts and nuts for ease of maintenance
- Rigid Half coupling interchangeable with industry standards



G FRR Type Performance Data

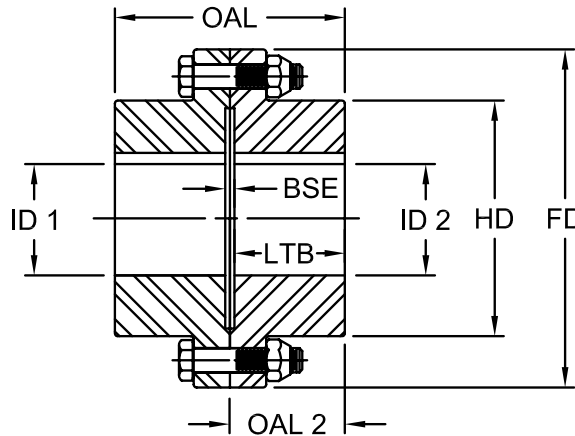
Size	Nominal Torque		Maximum Speed		ID1 - ID2				Weight		Max Angular Misalignment Degrees
					Max Bore		Rough Stock Bore				
	in-lb	Nm	Unbal RPM	Bal RPM	in	mm	in	mm	lbs	kg	
1	7,600	850	6,000	9,000	2.125	56	solid	solid	10	5	0°
1.5	18,900	2 140	5,500	8,250	2.813	76	solid	solid	20	9	
2	31,500	3 560	5,000	7,500	3.500	95	solid	solid	34	15	
2.5	56,700	6 410	4,400	6,600	4.250	114	solid	solid	60	27	
3	94,500	10 700	4,000	6,000	4.875	134	solid	solid	91	41	
3.5	151,200	17 100	3,500	5,250	5.625	150	solid	solid	143	65	
4	220,500	24 900	3,000	4,500	6.500	176	solid	solid	211	96	
4.5	302,400	34 200	2,700	4,050	7.625	202	solid	solid	289	131	
5	434,700	49 100	2,500	3,750	8.750	230	4.00	101	417	189	
5.5	573,300	64 800	2,200	3,300	9.500	260	4.50	114	541	246	
6	749,700	84 700	2,100	3,150	10.500	285	5.50	127	724	329	
7	1,008,000	113 900	2,000	3,000	12.000	320	5.75	139	1,084	492	

Ordering Information

- Application: Driver and Driven.
- Type and size of coupling, horizontal, vertical etc.
- Power: Motor horsepower or torque requirement.
- Speed: Motor RPM or Driven RPM.
- Distance between shaft ends (BSE).
- Shaft sizes.
- Submit drawing if available.

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FRR Type Dimensional Data

Size	OAL in	OAL2 in	ID1 - ID2				LTB in	BSE in	FD in	HD in
			Max Bore		Rough Stock Bore					
			in	mm	in	mm				
1	3.31	1.66	2.125	56	solid	solid	1.56	0.19	4.56	3.06
1.5	3.88	1.94	2.813	76	solid	solid	1.84	0.19	6.00	3.97
2	4.75	2.38	3.500	95	solid	solid	2.28	0.19	7.00	4.86
2.5	6.00	3.00	4.250	114	solid	solid	2.91	0.19	8.38	5.84
3	7.00	3.50	4.875	134	solid	solid	3.41	0.19	9.44	6.84
3.5	8.13	4.07	5.625	150	solid	solid	3.97	0.19	11.00	7.91
4	9.25	4.63	6.500	176	solid	solid	4.44	0.38	12.50	9.25
4.5	10.44	5.22	7.625	202	solid	solid	5.03	0.38	13.63	10.38
5	11.75	5.88	8.750	230	4.00	101	5.69	0.38	15.31	11.56
5.5	12.69	6.35	9.500	260	4.50	114	6.16	0.38	16.75	12.72
6	14.88	7.44	10.500	285	5.50	127	7.25	0.50	18.00	14.00
7	17.88	8.94	12.000	320	5.75	139	8.69	0.63	20.75	15.75

- Notes:
- Exposed Bolt Design is standard.
 - Shrouded Bolt Design available upon request for sizes 1 through 5.5.
 - Puller Holes are standard on sizes 4 through 7.
 - Puller Holes are available for sizes 1 through 3.5 at an additional charge.
 - Interference bores with no set screws are standard unless otherwise specified.
 - Inch bore and keyway tolerances conform to AGMA 9002-B04.
 - For metric bore and keyway tolerances, consult Lovejoy Engineering Section.