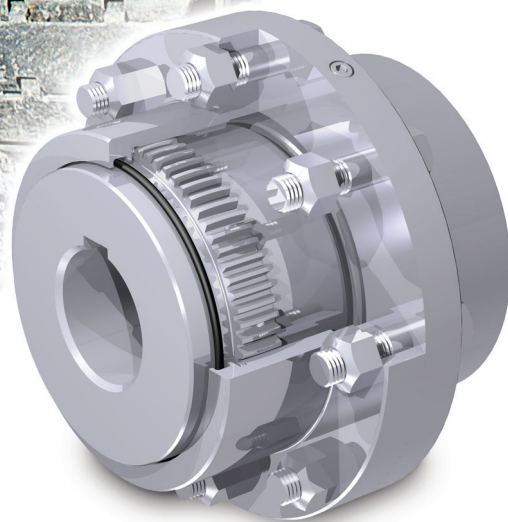


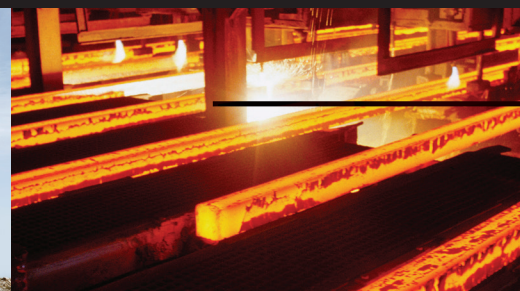


Bibby Series III Standard and Modified Designs



 **Bibby®**
Turboflex

An Altra Industrial Motion Company



Bibby Series III Gear Coupling



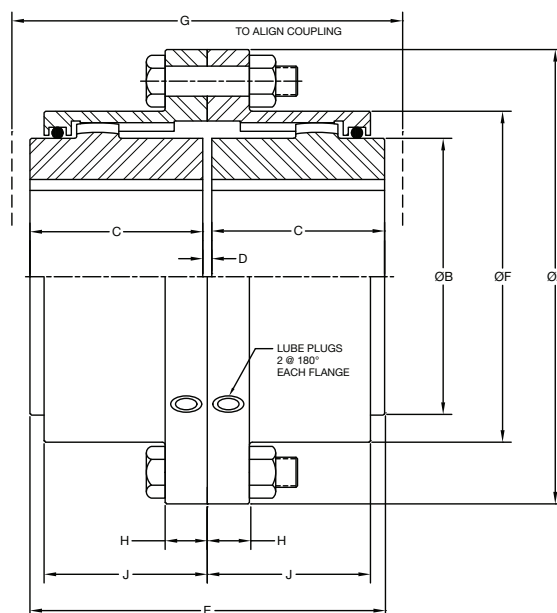
Flexible Couplings Series FD - High Torque

Sizes 15-70

Flanged Sleeve — Double-Engagement Type

Application: Meets requirements of all standard applications for shaft sizes up to 265 mm. Compensates for both angular misalignment and parallel offset.

Description: Series FD Flexible Coupling is designed with bolted center flanges to facilitate installation and alignment. Optimum separation of gear meshes permits high parallel offset capacity. Flanged-sleeve design makes possible minimum distance between bearing housings to facilitate shaft alignment. The coupling is optimized for the greatest torque capacity.



FD Exposed Bolt

FD	Torque Capacity	Maximum Speed	Maximum Bore	DIMENSIONS									Mass	MR ² Inertia
Size	NM	RPM	mm	A	B	C	D	E	F	G	H	J	kg	kgm ²
15	2,373	5,400	55	152.4	79.2	49.3	3.0	101.6	99.6	120.0	19.1	45.0	7.7	0.0170
20	5,084	4,800	75	177.8	101.6	62.0	3.0	127.0	123.4	150.0	19.1	57.7	13.6	0.0378
25	8,756	4,300	95	212.9	124.0	77.0	4.8	158.8	148.8	185.0	22.4	71.4	24.1	0.0935
30	12,993	4,000	110	239.8	146.1	91.2	4.8	187.5	174.2	215.0	22.4	86.1	37.2	0.1808
35	19,433	3,600	125	279.4	165.1	106.4	6.4	218.9	200.2	255.0	26.9	99.3	57.7	0.3821
40	30,618	3,200	150	317.5	196.9	120.7	6.4	247.7	234.2	280.0	26.9	113.3	87.6	0.7430
45	42,029	3,000	175	345.9	228.6	134.9	7.9	277.9	262.9	315.0	26.9	126.5	120.8	1.2230
50	57,056	2,600	185	388.9	241.3	153.2	7.9	314.5	290.6	350.0	38.1	144.0	167.1	2.1603
55	81,008	2,400	205	420.6	266.7	168.1	7.9	344.4	322.3	390.0	38.1	158.8	221.6	3.3683
60	95,018	2,200	230	457.2	298.5	188.2	7.9	384.0	349.3	420.0	25.4	175.0	290.6	5.0191
70	135,578	1,800	265	527.1	342.9	220.7	9.7	450.9	406.4	490.0	28.4	198.4	441.7	10.0461

CONTACT THE FACTORY FOR ADDITIONAL DETAILS, MODIFICATIONS AND VARIATIONS.

COMBINED ANGULAR AND PARALLEL OFFSET SHOULD NOT EXCEED + 3/4° PER GEAR MESH.

Bibby Series III Couplings - Fully-Crowned Teeth for Higher Torque, Higher Speed, Higher Misalignment Capacity
All Series FD Couplings incorporate the following engineered features:

- $\pm 3/4^\circ$ angular misalignment capacity per gear mesh.
- Torque ratings at full misalignment - in excess of normal requirements for average applications.
- Accurately machined medium carbon steel hubs and sleeves.
- Positive-type O-ring seals keep lubricant in...contaminants out. Seals enshrouded to prevent damage.



Bibby Series III Gear Coupling



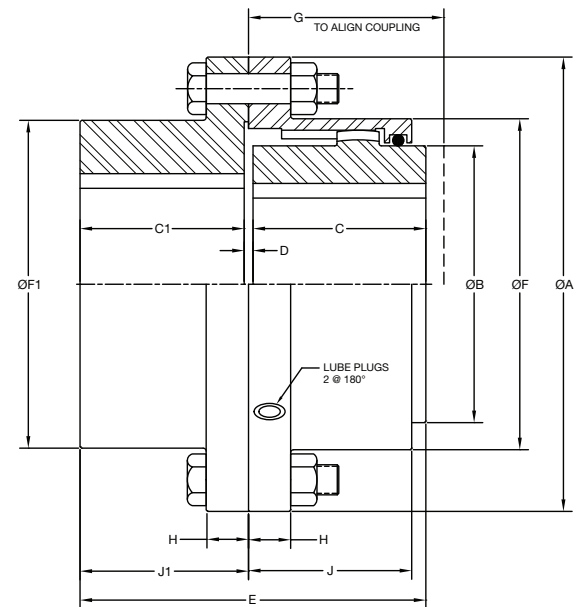
Flexible Couplings Series FS - High Torque

Sizes 15-70

Flanged Sleeve — Single-Engagement Type

Application: Used primarily in tandem pairs, connected by intermediate floating shafts or as individual unit in conjunction with a driver or driven shaft having self-aligning support bearing. When used singly, compensates for angular misalignment only.

Description: Series FS Flexible Coupling consists of one standard flexible half coupling and one rigid half. The bolted center flanges facilitate installation and alignment.



FS	Maximum Hub Bore (mm)		Torque	DIMENSIONS												Mass	MR ² Inertia
Size	Flex	Rigid	Nm	A	B	C	C1	D	E	F	F1	G	H	J	J1	kg	kgm ²
15	55	75	2,373	152.4	79.2	49.3	45.5	4.1	98.6	99.6	99.6	60.0	19.1	45.0	47.8	8.4	0.0188
20	75	95	5,084	177.8	101.6	62.0	58.2	4.1	124.0	123.4	123.4	75.0	19.1	57.7	60.5	14.6	0.0416
25	95	115	8,756	212.9	124.0	77.0	73.9	4.8	155.6	148.8	148.8	95.0	22.4	71.4	76.2	25.7	0.0973
30	110	135	12,993	239.8	146.1	91.2	86.6	4.8	182.6	174.2	174.2	110.0	22.4	86.1	88.9	38.9	0.1960
35	125	155	19,433	279.4	165.1	106.4	100.8	5.6	212.6	200.2	200.2	130.0	26.9	99.3	103.1	60.8	0.4134
40	150	180	30,618	317.5	196.9	120.7	112.8	7.9	241.2	234.2	234.2	140.0	26.9	113.3	117.3	90.8	0.7896
45	175	200	42,029	345.9	228.6	134.9	127.0	8.6	270.5	262.9	258.6	160.0	26.9	126.5	131.6	124.9	1.2854
50	185	225	57,056	388.9	241.3	153.2	146.3	8.6	308.1	290.6	290.6	175.0	38.1	144.0	150.9	178.0	2.3891
55	205	250	81,008	420.6	266.7	168.1	155.7	8.6	332.5	322.3	322.3	195.0	38.1	158.8	160.3	230.2	3.6018
60	230	270	95,018	457.2	298.5	188.2	181.9	10.4	380.2	349.3	349.3	210.0	25.4	175.0	188.2	311.0	5.1586
70	265	310	135,578	527.1	342.9	220.7	214.4	12.7	447.7	406.4	400.1	245.0	28.4	198.4	222.3	474.4	10.6919

CONTACT THE FACTORY FOR ADDITIONAL DETAILS, MODIFICATIONS AND VARIATIONS.

COMBINED ANGULAR AND PARALLEL OFFSET SHOULD NOT EXCEED + 3/4° PER GEAR MESH.

Bibby Series III Couplings - Fully-Crowned Teeth for Higher Torque, Higher Speed, Higher Misalignment Capacity
All Series FS Couplings incorporate the following engineered features:

- $\pm 3/4^\circ$ angular misalignment capacity per gear mesh.
- Torque ratings at full misalignment - in excess of normal requirements for average applications.
- Accurately machined medium carbon steel hubs and sleeves.
- Positive-type O-ring seals keep lubricant in...contaminants out. Seals enshrouded to prevent damage.

Electromagnetic Clutches and Brakes	Couplings	Heavy Duty Clutches and Brakes	Overrunning Clutches
Warner Electric <i>Electromagnetic Clutches and Brakes</i> New Hartford, CT - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 St Barthelemy d'Anjou, France +33 (0) 2 41 21 24 24 <i>Precision Electric Coils and Electromagnetic Clutches and Brakes</i> Columbia City, IN - USA 1-260-244-6183 Matrix International <i>Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes</i> Brechin, Scotland +44 (0) 1356 602000 New Hartford, CT - USA 1-800-825-6544 Inertia Dynamics <i>Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes</i> New Hartford, CT - USA 1-800-800-6445	Ameridrives Couplings <i>Mill Spindles, Ameriflex, Ameridisc</i> Erie, PA - USA 1-814-480-5000 <i>Gear Couplings</i> San Marcos, TX - USA 1-800-458-0887 Bibby Turboflex <i>Disc, Gear, Grid Couplings, Overload Clutches</i> Dewsbury, England +44 (0) 1924 460801 Boksburg, South Africa +27 11 918 4270 TB Wood's <i>Elastomeric Couplings</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7 <i>General Purpose Disc Couplings</i> San Marcos, TX - USA 1-888-449-9439 Ameridrives Power Transmission <i>Universal Joints, Drive Shafts, Mill Gear Couplings</i> Green Bay, WI - USA 1-920-593-2444 Huco Dynatork <i>Precision Couplings and Air Motors</i> Hertford, England +44 (0) 1992 501900 Charlotte, NC - USA 1-888-825-6544	Wichita Clutch <i>Pneumatic Clutches and Brakes</i> Wichita Falls, TX - USA 1-800-964-3262 Bedford, England +44 (0) 1234 350311 Twiflex Limited <i>Caliper Brakes and Thrusters</i> Twickenham, England +44 (0) 20 8894 1161 Industrial Clutch <i>Pneumatic and Oil Immersed Clutches and Brakes</i> Waukesha, WI - USA 1-262-547-3357 Gearing Boston Gear <i>Enclosed and Open Gearing, Electrical and Mechanical P.T. Components</i> Charlotte, NC - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-816-5608 Bauer Gear Motor <i>Geared Motors</i> Esslingen, Germany +49 (711) 3518-0 Nuttall Gear and Delroyd Worm Gear <i>Worm Gear and Helical Speed Reducers</i> Niagara Falls, NY - USA 1-716-298-4100	Formsprag Clutch <i>Overrunning Clutches and Holdbacks</i> Warren, MI - USA 1-800-348-0881 – Press #1 <i>For application assistance:</i> 1-800-348-0881 – Press #2 Marland Clutch <i>Roller Ramp and Sprag Type Overrunning Clutches and Backstops</i> South Beloit, IL - USA 1-800-216-3515 Stieber Clutch <i>Overrunning Clutches and Holdbacks</i> Heidelberg, Germany +49 (0) 6221 30 47 0 Belted Drives and Sheaves TB Wood's <i>Belted Drives</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7 Engineered Bearing Assemblies Kilian Manufacturing <i>Engineered Bearing Assemblies</i> Syracuse, NY - USA 1-315-432-0700 <i>For information concerning our sales offices in Asia Pacific check our website</i> www.altramotion.com.cn
Linear Products			
Warner Linear <i>Linear Actuators</i> Belvidere, IL - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 St Barthelemy d'Anjou, France +33 (0) 2 41 21 24 24			



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