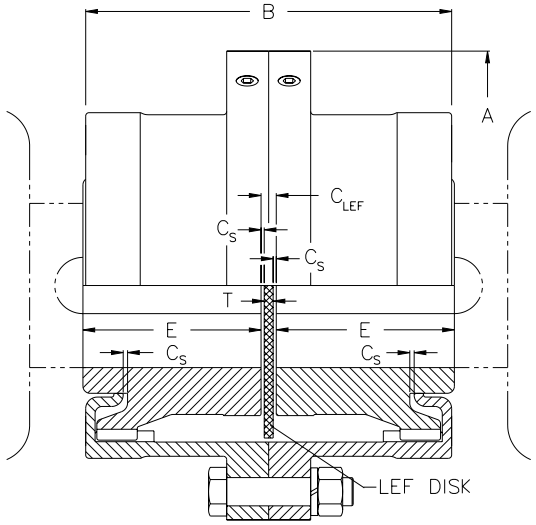
Limited End Float Coupling Size 1 1/2 - 7

For sleeve bearing motor applications, a FAST'S® standard full flex coupling is supplied with an LEF disc to limit the axial float of the motor rotor, and protect the motor bearings at start-up and shut-down. The hub separation, C_{LEF} is larger than for a standard full flex, and the phenolic LEF disc is placed between the hubs at assembly, limiting the float of the motor rotor to the total LEF value shown.

The equipment should be installed with the proper hub separation, C_{LEF}, when the motor rotor is located on magnetic center.

The LEF disc part numbers are listed below. See page 136 for the standard full flex part numbers.



Note: Spacer part number references the shaft separation, not the actual length of the spacer.

Coupling Size	Total LEF	Dimensions						LEF Disc①	
		A	B	C_S	C_{LEF} (Hub Sep.)	E	T (Disc Width)	Part No.	Wt.
1 1/2	1/8	6	4	1/32	3/16	1 15/16	1/8	1 1/2F LEFD	1
2	1/8	7	4 15/16	1/32	3/16	2 7/16	1/8	2F LEFD	1
2 1/2	3/16	8 3/8	6 3/16	3/64	9/32	3 1/32	3/16	2 1/2F LEFD	1
3	3/16	9 7/16	7 5/16	3/64	9/32	3 19/32	3/16	3F LEFD	1
3 1/2	3/16	11	8 1/2	3/64	13/32	4 3/16	5/16	3 1/2F LEFD	1
4	3/16	12 1/2	9 3/4	3/64	13/32	4 3/4	5/16	4F LEFD	2
4 1/2	3/16	13 5/8	10 15/16	3/64	17/32	5 5/16	7/16	4 1/2F LEFD	2
5	3/16	15 5/16	12 1/16	3/64	17/32	6 1/32	7/16	5F LEFD	2
5 1/2*	3/16	16 3/4	13 13/16	3/64	17/32	6 29/32	7/16	5 1/2F LEFD	2
6*	3/16	18	14 13/16	3/64	17/32	7 13/32	7/16	6F LEFD	2
7*	3/16	20 3/4	17 5/16	3/64	21/32	8 11/16	9/16	7F LEFD	2

* Sizes 5 1/2, 6 and 7 are only available with exposed bolts. Type EB exposed bolts are standard.

① LEF Discs are used only in close coupled applications. One disc is required per coupling.

Note: For ratings and max. bores refer to page 134.

Coupling Greases

KOP-FLEX offers greases specifically designed for use in coupling applications. For proper lubrication and long service life, use KSG Standard Coupling Grease, or KHP High Performance Coupling Grease. See pages 204-206 for detailed specifications.

Rigid-Rigid Coupling Size 1-7

A rigid-rigid coupling is offered for applications where neither angular or offset misalignment are present. Vertical and cantilevered applications should be referred to engineering for review.

One complete coupling is comprised of (2) rigid hubs and (1) set of accessories. A gasket is not used between the flanges.

Coupling Size	Maximum Bore with Standard Key	Rating HP / 100 RPM	Torque Rating (lb.-in.)	Peak Torque Rating (lb.-in.)	Dimensions			
					A	C_{RR}	E_R	G_R
1	2 1/4	12	7500	15000	4 9/16	3/16	1 9/16	3
1 1/2	2 11/16	27	17000	34000	6	3/16	1 27/32	3 13/16
2	3 3/8	50	31500	63000	7	3/16	2 9/32	4 13/16
2 1/2	4	90	56700	113400	8 3/8	3/16	2 29/32	5 3/4
3	4 3/4	160	101000	202000	9 7/16	3/16	3 15/32	6 3/4
3 1/2	5 1/2	235	148000	296000	11	3/16	4 1/32	7 3/4
4	6 3/8	375	236000	472000	12 1/2	3/8	4 7/16	9
4 1/2	7 1/4	505	318000	636000	13 5/8	3/8	5 1/16	10 1/8
5	8 1/2	700	441000	882000	15 5/16	3/8	5 11/16	11 3/8
5 1/2	8	920	580000	1160000	16 3/4	3/8	6 31/32	10 3/4
6	8 3/4	1205	759000	1518000	18	3/8	7 15/32	11 1/2
7	10	1840	1160000	2320000	20 3/4	1/2	8 3/4	13 3/8