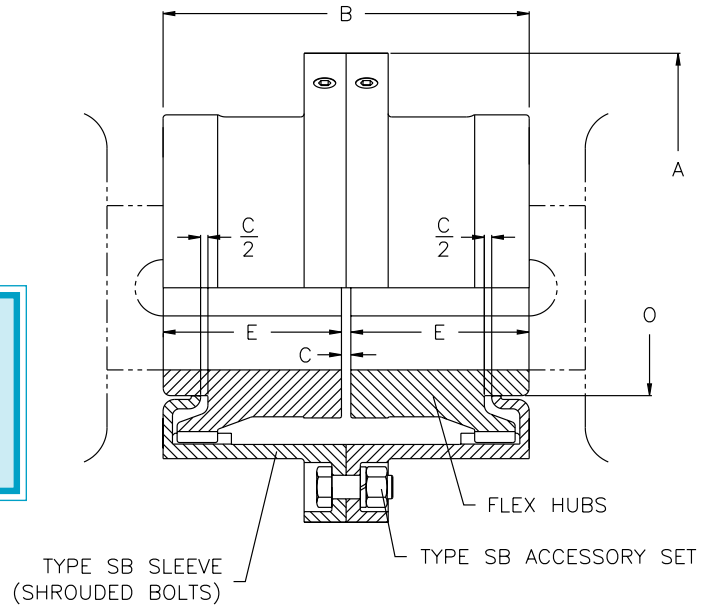


A conventional 4-bearing system has two bearings on the driving shaft and two bearings on the driven shaft. Both angular and offset shaft misalignment will be present to some degree and a full flex coupling is mandatory. The full flex coupling is the standard coupling having two gear ring sets, one set per half coupling. For selection procedure see page 133.

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.



Coupling Size	Maximum Bore with Standard Key	Rating HP / 100 RPM	Torque Rating (lb.-in.)	Peak Torque Rating (lb.-in.)	Maximum Speed RPM	Weight with Solid Hubs (lb.)	Dimensions					Shrouded Bolt* and Exposed Bolt	
							A	B	C	E	O	Bolt Circle	Number & Size.
1	1 1/8	10.5	6600	13200	14500	5.5	4	2 5/8	1/8	1 1/4	1 9/16	3 5/16	6 — 1/4
1 1/2	1 5/8	18.5	11500	23000	12000	11	5	3 1/2	1/8	1 11/16	2 3/16	4 3/32	6 — 5/16
2	2 1/8	36.5	23000	46000	9300	19	6	4 5/16	1/8	2 3/32	2 7/8	5	6 — 3/8
2 1/2	2 3/4	62	39000	78000	7900	31	7	5 1/4	1/8	2 9/16	3 11/16	6	6 — 3/8
3	3 1/8	110	69300	138600	6800	57	8 3/8	6 1/2	3/16	3 5/32	4 1/4	7 3/16	8 — 1/2
3 1/2	3 3/4	186	117200	234400	6000	81	9 7/16	7 3/4	3/16	3 25/32	5	8 1/4	10 — 1/2

* Shrouded and exposed bolts are identical except for length.

Coupling Type SB (Shrouded Bolts) Part Numbers

Coupling Size	Full Flex Coupling			Fastener Set (Includes Gasket)		Sleeve		Flex Hub		
	No Bore Part No.	Wt.	Finish Bore ^① Part No.	Part No.	Wt.	Part No.	Wt.	No Bore Part No.	Wt.	Finish Bore ^① Part No.
1	1B SB FF	7	1B SB FF FB	1B SB FS	1	1B SB SLEEVE	2	1B FHUB	1	1B FHUB FB
1 1/2	1 1/2B SB FF	12	1 1/2B SB FF FB	1 1/2B SB FS	1	1 1/2B SB SLEEVE	3	1 1/2B FHUB	3	1 1/2B FHUB FB
2	2B SB FF	21	2B SB FF FB	2B SB FS	1	2B SB SLEEVE	5	2B FHUB	5	2B FHUB FB
2 1/2	2 1/2B SB FF	33	2 1/2B SB FF FB	2 1/2B SB FS	1	2 1/2B SB SLEEVE	7	2 1/2B FHUB	9	2 1/2B FHUB FB
3	3B SB FF	55	3B SB FF FB	3B SB FS	2	3B SB SLEEVE	12	3B FHUB	16	3B FHUB FB
3 1/2	3 1/2B SB FF	84	3 1/2B SB FF FB	3 1/2B SB FS	2	3 1/2B SB SLEEVE	16	3 1/2B FHUB	25	3 1/2B FHUB FB

Coupling Type EB (Exposed Bolts) Part Numbers

Coupling Size	Full Flex Coupling			Fastener Set (Includes Gasket)		Sleeve		Flex Hub		
	No Bore Part No.	Wt.	Finish Bore ^① Part No.	Part No.	Wt.	Part No.	Wt.	No Bore Part No.	Wt.	Finish Bore ^① Part No.
1	1B EB FF	7	1B EB FF FB	1B EB FS	1	1B EB SLEEVE	2	1B FHUB	1	1B FHUB FB
1 1/2	1 1/2B EB FF	12	1 1/2B EB FF FB	1 1/2B EB FS	1	1 1/2B EB SLEEVE	3	1 1/2B FHUB	3	1 1/2B FHUB FB
2	2B EB FF	21	2B EB FF FB	2B EB FS	1	2B EB SLEEVE	5	2B FHUB	5	2B FHUB FB
2 1/2	2 1/2B EB FF	33	2 1/2B EB FF FB	2 1/2B EB FS	1	2 1/2B EB SLEEVE	7	2 1/2B FHUB	9	2 1/2B FHUB FB
3	3B EB FF	55	3B EB FF FB	3B EB FS	2	3B EB SLEEVE	12	3B FHUB	16	3B FHUB FB
3 1/2	3 1/2B EB FF	84	3 1/2B EB FF FB	3 1/2B EB FS	2	3 1/2B EB SLEEVE	16	3 1/2B FHUB	25	3 1/2B FHUB FB

① All finish bores and keyways per AGMA 9002-A86 commercial standard tolerances. Each clearance bore includes one setscrew over keyway.

Important: Care must be exercised in proper selection of any shaft coupling. The Users must assure themselves that the design of the shaft to coupling hub connection is adequate for the duty intended.