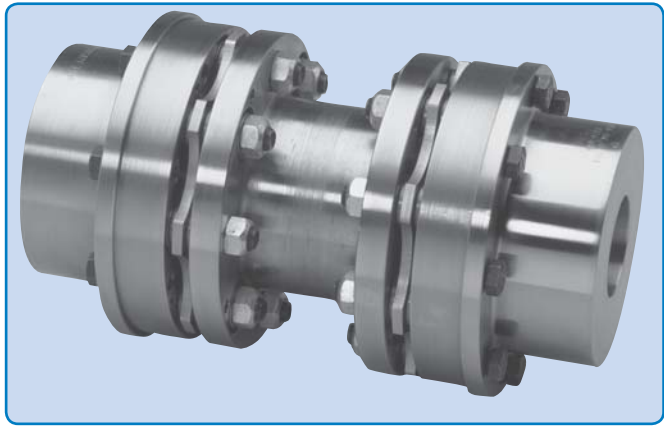


### KD20 Spacer Coupling

The KD20 coupling is designed for heavy duty applications requiring moderate shaft separations, and was specifically engineered to meet API 610 / ISO 13709 specifications for industrial pump couplings. Consisting of three main parts, two hubs and a factory assembled flexible center section which installs or drops out as one unit, the KD20 greatly simplifies installation or maintenance.

The larger size couplings available in the KD20 Series allow application to larger, high power machines. The flexible center section is piloted to provide excellent dynamic balance. AGMA Class 9 is standard, as manufactured. Dynamic balance to AGMA Class 10 or Class 11 are available options. The close tolerance bolts and safety overload washers help provide superior performance and trouble-free operation. An anti-flail safety feature is also included in the flexible center section assembly.

For smaller sizes or lower power requirements, consider a KD2 disc coupling. For economy duty, consider a KD21 disc coupling.



- Heavy Duty, Larger Sizes
- Standard Shaft Separations for Industrial Pumps
- Factory Assembled Flexible Center Sections
- Designed Specifically for API 610 / ISO 13709
- High Power, Unitized Disc Packs

**KD20 Couplings use HT Disc Packs.**

#### KD20 Rough Bore Part Numbers<sup>Ⓛ</sup>

Coupling Size	Between Shaft Ends	Complete Coupling w/2 Std. Hubs Rough Bore	Complete Coupling w/1 Std. & 1 Long Hub Rough Bore	Complete Coupling w/2 Long Hubs Rough Bore	Complete Coupling w/1 Jumbo Hub & 1 Std. Hub	Complete Coupling w/2 Jumbo Hubs	Complete Coupling w/1 Long & 1 Jumbo Hub	Center Assembly
204	7	204 KD 20 SS700	204 KD 20 LS700	204 KD 20 LL700	204 KD 20 JS700	204 KD 20 JJ700	204 KD 20 JL700	204 KD 20 CA700
	8	204 KD 20 SS800	204 KD 20 LS800	204 KD 20 LL800	204 KD 20 JS800	204 KD 20 JJ800	204 KD 20 JL800	204 KD 20 CA800
	9	204 KD 20 SS900	204 KD 20 LS900	204 KD 20 LL900	204 KD 20 JS900	204 KD 20 JJ900	204 KD 20 JL900	204 KD 20 CA900
	10	204 KD 20 SS1000	204 KD 20 LS1000	204 KD 20 LL1000	204 KD 20 JS1000	204 KD 20 JJ1000	204 KD 20 JL1000	204 KD 20 CA1000
	12	204 KD 20 SS1200	204 KD 20 LS1200	204 KD 20 LL1200	204 KD 20 JS1200	204 KD 20 JJ1200	204 KD 20 JL1200	204 KD 20 CA1200
	14	204 KD 20 SS1400	204 KD 20 LS1400	204 KD 20 LL1400	204 KD 20 JS1400	204 KD 20 JJ1400	204 KD 20 JL1400	204 KD 20 CA1400
254	7	254 KD 20 SS700	254 KD 20 LS700	254 KD 20 LL700	254 KD 20 JS700	254 KD 20 JJ700	254 KD 20 JL700	254 KD 20 CA700
	8	254 KD 20 SS800	254 KD 20 LS800	254 KD 20 LL800	254 KD 20 JS800	254 KD 20 JJ800	254 KD 20 JL800	254 KD 20 CA800
	9	254 KD 20 SS900	254 KD 20 LS900	254 KD 20 LL900	254 KD 20 JS900	254 KD 20 JJ900	254 KD 20 JL900	254 KD 20 CA900
	10	254 KD 20 SS1000	254 KD 20 LS1000	254 KD 20 LL1000	254 KD 20 JS1000	254 KD 20 JJ1000	254 KD 20 JL1000	254 KD 20 CA1000
	12	254 KD 20 SS1200	254 KD 20 LS1200	254 KD 20 LL1200	254 KD 20 JS1200	254 KD 20 JJ1200	254 KD 20 JL1200	254 KD 20 CA1200
	14	254 KD 20 SS1400	254 KD 20 LS1400	254 KD 20 LL1400	254 KD 20 JS1400	254 KD 20 JJ1400	254 KD 20 JL1400	254 KD 20 CA1400
304	7	304 KD 20 SS700	304 KD 20 LS700	304 KD 20 LL700	304 KD 20 JS700	304 KD 20 JJ700	304 KD 20 JL700	304 KD 20 CA700
	8	304 KD 20 SS800	304 KD 20 LS800	304 KD 20 LL800	304 KD 20 JS800	304 KD 20 JJ800	304 KD 20 JL800	304 KD 20 CA800
	9	304 KD 20 SS900	304 KD 20 LS900	304 KD 20 LL900	304 KD 20 JS900	304 KD 20 JJ900	304 KD 20 JL900	304 KD 20 CA900
	10	304 KD 20 SS1000	304 KD 20 LS1000	304 KD 20 LL1000	304 KD 20 JS1000	304 KD 20 JJ1000	304 KD 20 JL1000	304 KD 20 CA1000
	12	304 KD 20 SS1200	304 KD 20 LS1200	304 KD 20 LL1200	304 KD 20 JS1200	304 KD 20 JJ1200	304 KD 20 JL1200	304 KD 20 CA1200
	14	304 KD 20 SS1400	304 KD 20 LS1400	304 KD 20 LL1400	304 KD 20 JS1400	304 KD 20 JJ1400	304 KD 20 JL1400	304 KD 20 CA1400
354	9	354 KD 20 SS900	354 KD 20 LS900	354 KD 20 LL900	354 KD 20 JS900	354 KD 20 JJ900	354 KD 20 JL900	354 KD 20 CA900
	10	354 KD 20 SS1000	354 KD 20 LS1000	354 KD 20 LL1000	354 KD 20 JS1000	354 KD 20 JJ1000	354 KD 20 JL1000	354 KD 20 CA1000
	12	354 KD 20 SS1200	354 KD 20 LS1200	354 KD 20 LL1200	354 KD 20 JS1200	354 KD 20 JJ1200	354 KD 20 JL1200	354 KD 20 CA1200
	14	354 KD 20 SS1400	354 KD 20 LS1400	354 KD 20 LL1400	354 KD 20 JS1400	354 KD 20 JJ1400	354 KD 20 JL1400	354 KD 20 CA1400
404	10	404 KD 20 SS1000	404 KD 20 LS1000	404 KD 20 LL1000	404 KD 20 JS1000	404 KD 20 JJ1000	404 KD 20 JL1000	404 KD 20 CA1000
	12	404 KD 20 SS1200	404 KD 20 LS1200	404 KD 20 LL1200	404 KD 20 JS1200	404 KD 20 JJ1200	404 KD 20 JL1200	404 KD 20 CA1200
	14	404 KD 20 SS1400	404 KD 20 LS1400	404 KD 20 LL1400	404 KD 20 JS1400	404 KD 20 JJ1400	404 KD 20 JL1400	404 KD 20 CA1400
454	10	454 KD 20 SS1000	454 KD 20 LS1000	454 KD 20 LL1000	454 KD 20 JS1000	454 KD 20 JJ1000	454 KD 20 JL1000	454 KD 20 CA1000
	12	454 KD 20 SS1200	454 KD 20 LS1200	454 KD 20 LL1200	454 KD 20 JS1200	454 KD 20 JJ1200	454 KD 20 JL1200	454 KD 20 CA1200
	14	454 KD 20 SS1400	454 KD 20 LS1400	454 KD 20 LL1400	454 KD 20 JS1400	454 KD 20 JJ1400	454 KD 20 JL1400	454 KD 20 CA1400

Ⓛ Note: For Finish Bore add FB to Part Number and specify bore.

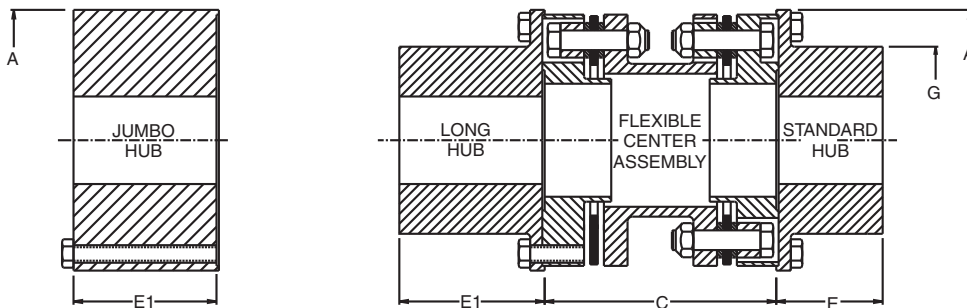
All finish bores and keyways per AGMA/ANSI 9002 (Imperial) and AGMA/ANSI 9112 (Metric)

### Selection Data

Size	Max. Bore (in)		Coupling Rating (HP/100 RPM)	Torque Rating		Maximum Speed (RPM)	Total <sup>①</sup> Weight (lbs)	Total WR <sup>2</sup> (lb-in <sup>2</sup> )	Spacer Tube per inch		Axial Capacity (in)
	Std. & Long Hub	Jumbo Hub		Continuous (in-lb)	Peak (in-lb)				Weight (lbs)	WR <sup>2</sup> (lb-in <sup>2</sup> )	
204	3.25	4.62	57.1	36000	72000	13000	39.2	230	0.81	2.67	±.110
254	4.00	5.62	82.5	52000	104000	11200	61.2	510	0.79	4.36	±.140
304	4.75	6.5	141	89000	178000	9900	104	1190	1.17	8.06	±.170
354	5.50	7.62	238	150000	300000	8800	172	2630	1.96	17.0	±.200
404	6.25	8.75	340	215000	430000	7800	251	4920	2.21	24.3	±.225
454	7.25	9.38	405	255000	510000	7200	302	7200	2.54	37.0	±.250
504	7.50	-	570	360000	720000	6600	427	11600	3.67	62.6	±.275
554	8.25	-	800	505000	1010000	6100	569	18200	3.89	74.7	±.300
604	9.00	-	1050	660000	1320000	5600	777	29500	5.21	115	±.320
705	10.88	-	2400	1510000	3020000	4500	1360	77500	9.40	303	±.270
805	12.25	-	3670	2310000	4620000	4000	2060	150000	12.6	507	±.310
905	13.50	-	4130	2600000	5200000	3600	2490	227000	11.7	662	±.400

① Data based on Min. "C" dimensions, maximum bores and standard hubs.

② See Balance Specifications page 11. Consult engineering for applications where speed exceed 75% of max. speed rating.



### Dimensional Data

Note: "C" dimension = center assembly length.

Size	A (in)	Max. C' Bore (in)	Min. C (in)	E (in)	E1 <sup>③</sup> (in)	G (in)	No (in)	Ni (in)	Standard "C" Dimension (in.)					
									7	8	9	10	12	14
204	6.62	4.44	6.00	2.25	3.62	4.75	3.88	3.38	X	X	X	X	X	X
254	7.88	5.44	6.00	2.88	4.25	5.75	4.88	4.50	X	X	X	X	X	X
304	9.25	6.38	7.00	3.38	4.75	6.75	5.50	5.00	X	X	X	X	X	X
354	10.75	7.31	8.50	4.00	5.38	7.75	6.25	5.50			X	X	X	X
404	12.00	8.50	10.00	4.44	6.12	9.00	7.00	6.25				X	X	X
454	13.00	9.62	10.00	4.81	6.75	10.12	8.00	7.19				X	X	X
504	14.12	9.88	11.00	6.88	-	10.50	8.75	7.75						
554	15.38	10.75	12.50	7.50	-	11.50	9.25	8.25						
604	16.88	12.00	13.25	8.75	-	12.75	10.00	8.75						
705	20.88	14.50	16.00	9.75	-	15.25	12.25	10.38						
805	23.38	16.38	19.00	10.75	-	17.25	13.75	11.50						
905	25.88	18.00	19.00	11.75	-	19.00	15.88	14.12						

③ Long hubs are available for sizes 204 to 454 only.

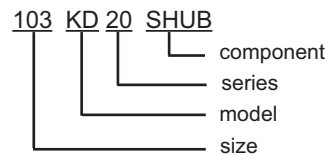
### Component Parts

Description	Part Number
Standard Hub	SHUB
Long Hub	LHUB
Jumbo Hub	JHUB
*Center Assembly for x.xx Shaft Separation	CAXXX
**HT Disc Pack Assembly	HTDP
**HT Disc Pack Fastener Set	HTFS
**Flange Fastener Set	FFSHT
**Jumbo Hub Fastener Set	JFSHT

\* Center Assembly includes (2) disc packs, (2) disc pack fastener sets.

\*\* For Disc Packs and Fastener Sets, do not include "Series" number in the part number.

### How to Order Components



### How to Order Disc Packs and Fastener Sets



Note: Shaft separations longer than standard may be accommodated by using stock center assemblies and counterboring and overhanging long hubs to make up the difference. Shaft fit length should be equal to "E" or greater. Consult Kop-Flex for more details.