

Designed specifically for cooling tower drives and long span applications, the KD33 coupling is easy to handle, install and maintain. The drive shaft is a corrosion resistant lightweight composite tube of either special fiberglass or carbon graphite fibers engineered to provide the optimum combination of strength and bending stiffness required of cooling tower couplings.

The coupling hubs, adapters, disc packs and hardware are all stainless steel for high strength and corrosion resistance. The unitized disc packs are capable of up to 1/2° continuous misalignment, which provide trouble-free operation using close tolerance bolts and standard drive shaft dynamic balance.

The couplings shown below are stocked and available for quick supply. Two weeks standard delivery or 24 hour premium delivery is available.

For longer shaft spans or special designs, consult KOP-FLEX.

KD33 Couplings use CT Disc Packs.

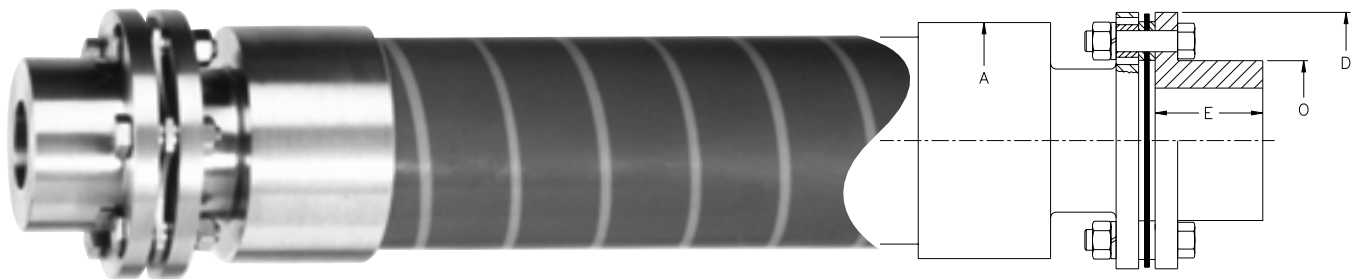
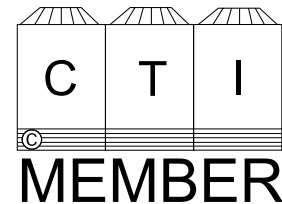


- Composite Tubes for Low Weight and Corrosion Resistance
- Stainless Steel Metal Components
- Quick Delivery
- High Flexible, Unitized Disc Packs

Part Numbers

Complete KD33 Coupling, Class 1 (Stainless Steel & Composite Shaft)
Shaft Separation Must Be Specified at Time of Order.

Size	Driveshaft	Maximum DBSE		Complete Coupling Part No.	DiscPack Part No.	Disc Pack Fastener Set Part No.
		@ 1800 RPM	@ 1500 RPM			
153	4" E-Glass	96	105	153 KD 33 EG	153 KD CTDP	153 KD CTFS
153	4" Carbon	130	141	153 KD 33 C		
203	6" E-Glass	118	128	203 KD 33 EG	203 KD CTDP	203 KD CTFS
203	6" Carbon	160	172	203 KD 33 C		
253	6" E-Glass	116	128	253 KD 33 EG	253 KD CTDP	253 KD CTFS
253	6" Carbon	160	172	253 KD 33 C		



Selection and Dimensional Data

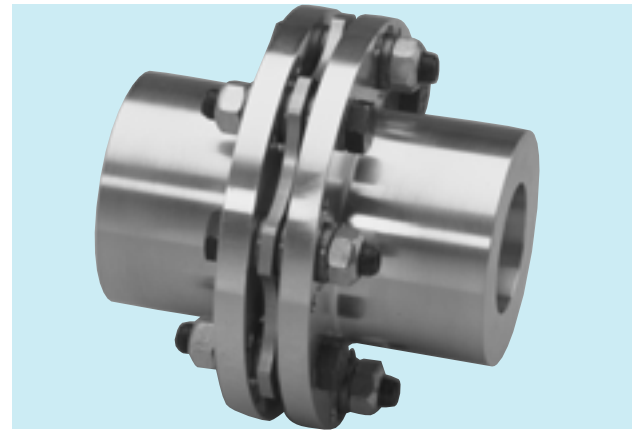
Size	Max Bore (inches)	Coupling Rating HP/100 RPM	Torque Rating (in-lb)		Nominal Tube Dia. (in)	Composite Tube Material	Maximum DBSE @ 1800 RPM (in)	Maximum DBSE @ 1500 RPM (in)	Dimensions			
			Continuous	Peak					A (in)	E (in)	O (in)	D (in)
153	2.38	12.5	7880	15760	4	E-GLASS	96	105	4.8	2.25	3.35	5.38
					4	CARBON	130	141				
203	3.00	22.9	14400	28800	6	E-GLASS	118	128	6.9	2.50	4.26	6.38
					6	CARBON	160	172				
253	3.75	37.5	23600	47200	6	E-GLASS	118	128	6.9	3.00	5.26	7.69
					6	CARBON	160	172				

The KD4 coupling is designed for medium and heavy duty applications **requiring only angular misalignment capacity** as in three bearing installations or floating shaft arrangements.

The larger size couplings available in the KD4 Series allow application to larger, high power machines.

Consisting of three main parts, two hubs and a unitized disc pack which installs or drops out, the KD4 simplifies installation or maintenance. The close tolerance bolts and safety overload washers insure superior performance and trouble free operation.

For complete floating shaft assemblies, consider a KD41 or KD42 disc coupling. For lower power requirements, consider a KD5 disc coupling.



- Angular Misalignment Capacity
- Heavy Duty, Small to Large Sizes
- Drop-Out, Unitized Disc Packs

KD4 Couplings use HT Disc Packs.

Selection Data

Size	Max. Bore (in)	Coupling Rating (HP/100 RPM)	Torque Rating		Maximum Speed RPM	Total ^① Weight (lbs)	Total ^① WR ² (lb-in ²)	Axial Capacity ^② (in)
			Continuous (in-lb)	Peak (in-lb)				
103	1.75	6.3	4000	8000	18200	5.2	9.5	±.040
153	2.50	21.6	13600	27200	14800	11.4	38.5	±.070
204	3.00	57.1	36000	72000	13000	24.1	124	±.055
254	3.75	82.5	52000	104000	11200	32.2	212	±.070
304	4.50	141	89000	178000	9900	50.5	462	±.085
354	5.00	238	150000	300000	8800	78.5	980	±.100
404	5.50	340	215000	430000	7800	118	1880	±.113
454	6.38	405	255000	510000	7200	150	2780	±.125
504	7.00	570	360000	720000	6600	197	4380	±.138
554	7.75	800	505000	1100000	6100	277	7250	±.150
604	8.50	1050	660000	1320000	5600	348	10900	±.160
705	10.75	2400	1510000	3020000	4500	625	30500	±.135
805	12.00	3670	2310000	4620000	4000	915	57000	±.155
905	13.50	4130	2600000	5200000	3600	1250	95000	±.200

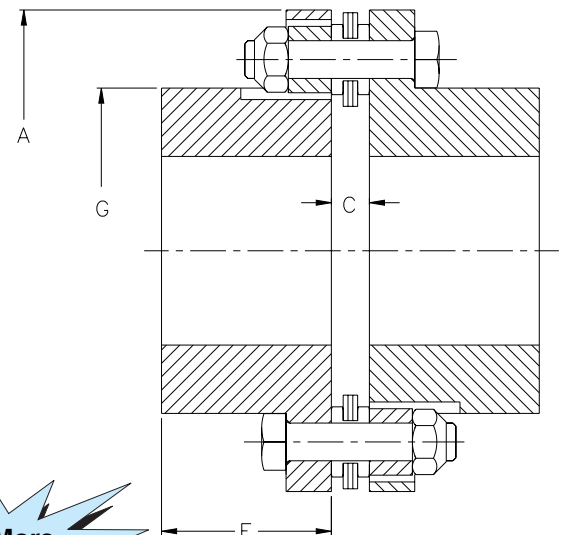
① Data Based on Maximum Bores.

② Axial Capacity for Single Flex Unit.

Dimensional Data

Size	A (in)	C (in)	E (in)	G (in)
103	3.94	.31	1.66	2.57
153	5.38	.39	1.94	3.54
204	6.38	.50	2.38	4.32
254	7.62	.57	3.00	5.34
304	9.00	.65	3.56	6.16
354	10.50	.81	4.12	6.99
404	11.75	.88	4.62	7.91
454	12.75	.94	5.25	8.83
504	13.88	1.09	5.88	9.62
554	15.12	1.22	7.16	10.48
604	16.50	1.32	7.66	11.33
705	20.50	1.56	9.00	14.07
805	23.00	1.84	10.12	15.73
905	25.50	1.76	11.81	17.88

Note: KD4 couplings use standard KD21 hubs and disc pack components. See page 38 for part numbers.



For More Information

Visit www.kopflex.com