

SINGLE DISC **CONTROL-FLEX®** COUPLINGS

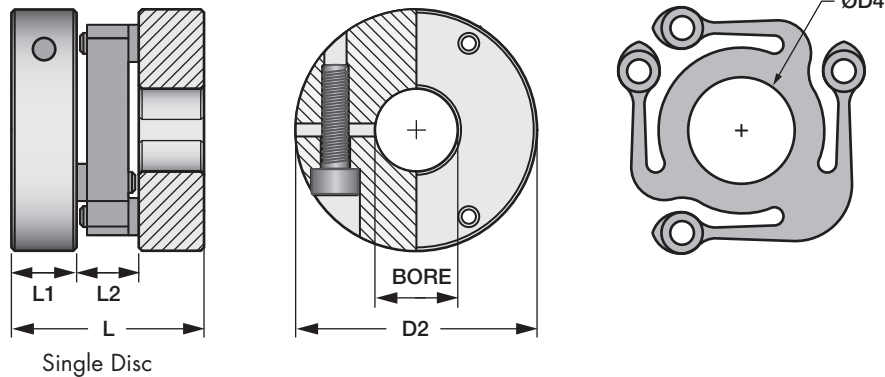
Clamp-Style

The construction of a Control-Flex® Coupling consists of two hubs (to be attached to the shafts) and a center flex member. This flexible element is affixed to the hubs through pins. Clamp-style hubs provide a positive shaft connection. Special modifications are available upon request.

The clamp-style Control-Flex® Couplings are available with a single flex disc for standard torque capacity, or with two flex discs for increased torque capacity and torsional stiffness. The clamp-style hub models come standard without keyways. Keyways are available upon request.



- Ideal for encoder Applications
- Easy Installation
- Space Saving
- Electrically Insulating
- Ultra low reaction loads
- Zero Backlash
- Maintenance Free



Single Flex Disc Clamp-Style

Part No.	Coupling Dimensions							Performance Data								Maximum Shaft Misalignments		
	CPL. Diam (Inch) D2	Coupling Length (Inch) L	Hub Length (Inch) L1	Max Bore		Disc Inside Diam (Inch) D4	Disc Length (Inch) L2	Net Weight (Lb)	Inertia WK ² (Lb-In ²)	Max. Peak Torque (In-Lb)	Max. Cont. Peak Torque (In-Lb)	Torsional Stiffness			Max Speed (RPM)	Par (Inch)	Ang (Deg)	Axial (Inch)
				(Inch)	(mm)							In Lbs. Per Degree	In Lbs. Per Radian	In Oz. Per Minute				
C008P	0.748	0.62	0.219	0.375	10	0.28	0.19	0.020	0.0014	6	4	2.3	130	0.61	12,000	0.013	1.5	0.010
C011P	0.984	1.00	0.374	0.500	12	0.31	0.25	0.057	0.0075	13	9	5.0	285	1.33	11,000	0.019	1.5	0.014
C016P	1.457	1.17	0.394	0.750	19	0.56	0.38	0.135	0.038	45	31	16.3	930	4.35	8,000	0.028	1.5	0.021
C023P	2.205	1.74	0.591	1.188	30	0.84	0.56	0.450	0.291	152	106	55.0	3,150	14.29	6,000	0.041	1.5	0.031
C031P	2.953	2.17	0.709	1.500	40	1.13	0.75	1.060	1.220	361	250	75.0	4,300	20.00	5,000	0.055	1.5	0.042

1) Maximum speed rating applicable at 50% or less continuous torque rating.

2) As speeds approach the maximum speed rating, some applications may require dynamically balanced couplings.

DOUBLE DISC CONTROL-FLEX® COUPLINGS

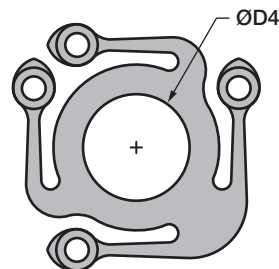
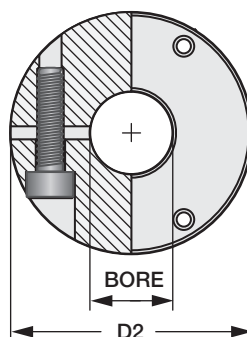
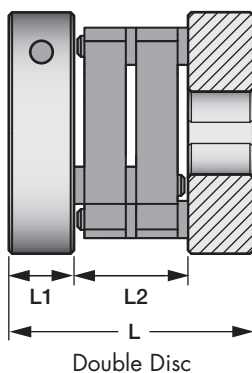
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Double Flex Disc Clamp-Style

Part No.	Coupling Dimensions							Performance Data								Maximum Shaft Misalignments		
	CPL. Diam (Inch) D2	Coupling Length (Inch) L	Hub Length (Inch) L1	Max Bore		Disc Inside Diam (Inch) D4	Disc Length (Inch) L2	Net Weight (Lb)	Inertia WK ² (Lb-In ²)	Max. Peak Torque (In-Lb)	Max. Cont. Peak Torque (In-Lb)	Torsional Stiffness			Max Speed (RPM)	Par (Inch)	Ang (Deg)	Axial (Inch)
				(Inch)	(mm)							In Lbs. Per Degree	In Lbs. Per Radian	In Oz. Per Minute				
C208P	0.748	0.78	0.219	0.375	10	0.28	0.34	0.021	0.0014	10	7	4.6	260	1.22	10,000	0.009	1	0.007
C211P	0.984	1.20	0.374	0.500	12	0.31	0.46	0.060	0.0077	24	17	9.9	570	2.63	9,000	0.012	1	0.009
C216P	1.457	1.48	0.394	0.750	19	0.56	0.69	0.145	0.039	81	57	31.3	1,790	8.33	7,000	0.019	1	0.014
C223P	2.205	2.20	0.591	1.188	30	0.84	1.02	0.483	0.298	274	192	110.0	6,300	29.41	5,000	0.027	1	0.020
C231P	2.953	2.79	0.709	1.500	40	1.13	1.38	1.140	1.250	650	435	150.0	8,600	40.00	4,000	0.037	1	0.028

1) Maximum speed rating applicable at 50% or less continuous torque rating.

2) As speeds approach the maximum speed rating, some applications may require dynamically balanced couplings.