COUPLINGS AND CLUTCHES

Table of Contents

COUPLINGS

Guide for Couplings Selection - Technical Data . . . . . G 2
Thin Wall Couplings . . . . . G 3 - G 6
Polyurethane Couplings . . . . . G 7
Six Beam Flexible . . . . . G 8 - G 13
Three Beam Flexible . . . . . G 14 - G 17
Single Beam Flexible . . . . . G 18 - G 19
Reli-A-Flex ® . . . . . G 20 - G 23
Flex-Thane . . . . . G 24, G 49
Absorbathane Flexible . . . . . G 25
Neo-Flex . . . . . G 26 - G 27
Sleeve . . . . . G 28
Split Sleeve . . . . . G 29 - G 30
Spider . . . . . G 31
Multi-Jaw . . . . . G 32
Bellows . . . . . G 33 - G 35
Oldham . . . . . G 36 - G 39
Universal Lateral . . . . . G 40 - G 41
Wafer Spring . . . . . G 42 - G 43
Disc Couplings - Ratings and Mass Data . . . . . G 44
Disc Couplings . . . . . G 45 - G 48

UNIVERSAL JOINTS . . . . . G 50 - G 53

TELESCOPIC UNIVERSAL JOINTS . . . . . G 54

SHAFT ADAPTERS

Clamp Style . . . . . G 55

OVERRUNING COUPLING . . . . . G 56

SLIP COUPLINGS . . . . . G 57 - G 59

OLDHAM SLIP COUPLINGS . . . . . G 60

TORQUE LIMITERS . . . . . G 61

INLINE COUPLING SLIP CLUTCH . . . . . G 62

SLIP CLUTCH . . . . . G 63 - G 65

MINIATURE SLIP CLUTCH . . . . . G 66

SLIP CLUTCHES AND COUPLINGS . . . . . G 67

ROLLER CLUTCHES . . . . . G 68

For metric options, please see our metric catalog.

GUIDE FOR COUPLING SELECTION

TECHNICAL DATA

		Dimensional Parameters			Environmental Parameters				
	COUPLING TYPE	TORQUE RANGE IN.-OZ.	RANGE OF MAXIMUM PARALLEL MISALIGN.	RANGE OF MAXIMUM ANGULAR MISALIGN.	HIGH TORSIONAL STIFFNESS	VIBRATION DAMPENING	VACUUM COMPATIBILITY	ELECTRICAL INSULATION	CLEAN ROOM ENVIRONMENT
INFORMATION TRANSMITTING COUPLINGS	MULTIBEAM: -ST/ST+AL -PLASTIC	 64-7200 35-1273	. 005-.038 .005-.038	 5Þ-7Þ 5Þ-10Þ	 E G	 - -	 E -	 - E	 E G
	BEAMED	56-1488	.004-.005	5Þ	E	-	E	-	E
	WAFER SPRING	165-440	.018-.030	8Þ	E	-	E	-	E
	BELLOWS	40-175	.012-.027	4Þ-7Þ	E	-	E	-	E
	SLEEVE	5-5833	0	0Þ	E	-	E	-	E
SHOCK ABSORBING COUPLINGS	SPIDER	42-3520	.031-.078	1Þ	-	G	-	E	G
	NEO-FLEX	150	.005	1Þ	-	E	-	E	G
	ABSORBATHANE	48-640	.094-.125	10Þ-15Þ	-	E	-	E	G
MISALIGNMENT COUPLINGS	UNIVERSAL LATERAL	38-607	.050	5Þ-10Þ	G	-	-	E	-
	OLDHAM	16-3200	.030-.200	1/2Þ-1 1/4Þ	G	-	-	E	-
	FLEX-THANE	400-3200	.063-1.250	10Þ-30Þ	-	E	-	E	G
HIGH MISALIGNMENT COUPLINGS	UNIVERSAL JOINTS: - ST/ST	 480-4240	 0	 30Þ	 G	 -	 E	 -	 -
	- DELRIN®, SINGLE JOINT	16-239	0	45Þ	-	-	-	E	-
	-DELRIN®, DOUBLE JOINT	11-183	.220-.610	90Þ	-	-	-	E	-
	TELESCOPIC UNIVERSAL JOINT	55-239	1.920-3.770	60Þ	-	-	-	E	-
	FLEXIBLE SHAFT	*	*	*	E	E	-	-	G

E = Excellent G = Good - = Not Recommended

W.M. Berg Inc. manufactures a complete line of precision made, high quality couplings. Available in inch and metric sizes and many styles to accommodate any design requirement. Couplings can be placed into the following four categories:

1. **Information Transmitting Couplings -** These zero backlash high torsional rigidity couplings are for precision positioning applications where constant velocity is required for accurate feedback control.
2. **Shock Absorbing Couplings -** As a result of flexible plastic members connecting their hubs, these couplings dampen vibrations and shock loads and electrically insulate shafting.
3. **Misalignment Couplings -** The sliding center elements of these couplings compensate for lateral and angular misalignment caused by tolerance buildup or as a result of mounting.
4. **High Misalignment Couplings -** These couplings allow the designer to have shafts that are intentionally offset, laterally or angularly, by a large amount.

The above chart is a guide for the proper selection of the Berg coupling best suited for your particular application.

THIN WALL COUPLINGS

BORE	O.D	TORQUE	MATERIAL
1/8" TO 5/16"	.85	28 IN. LBS.	ALUMINUM HUBS

- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

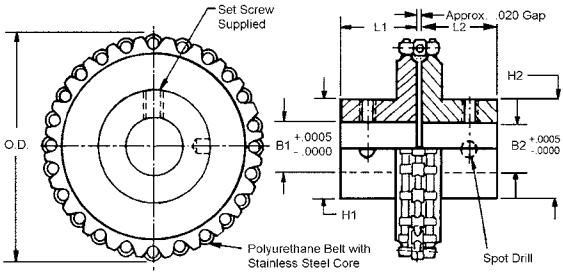
STOCK NO.	B1	H1	L1	B2	H2	L2
CC6-1	.1248	5/16	5/16	.1248	5/16	5/16
CC6-2	.1248			.1562	5/16	5/16
CC6-3	.1248			.1873	3/8	11/32
CC6-4	.1248			.2498	1/2	3/8
CC6-5	.1873	3/8	11/32	.1873	3/8	11/32
CC6-6	.1873			.2498	1/2	3/8
CC6-7	.2498	1/2	3/8	.2405	3/8	11/32
CC6-8	.2498			.2498	1/2	3/8
CC6-9	.3123	1/2	3/8	.1873	3/8	11/32
CC6-10	.3123			.2498	1/2	3/8
CC6-11	.3123			.3123	1/2	3/8

BORE	O.D	TORQUE	MATERIAL
1/8" TO 1/2"	1.09"	50 IN. LBS.	ALUMINUM HUBS

- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

STOCK NO.	B1	H1	L1	B2	H2	L2
CC6-20	.1248	5/16	5/16	.1248	5/16	5/16
CC6-21	.1248			.1562	5/16	5/16
CC6-22	.1248			.1873	3/8	11/32
CC6-23	.1248			.2498	1/2	3/8
CC6-24	.1873	3/8	11/32	.1873	3/8	11/32
CC6-25	.1873			.2498	1/2	3/8
CC6-26	.2498	1/2	3/8	.2405	3/8	11/32
CC6-27	.2498			.2498	1/2	3/8
CC6-28	.3123	1/2	3/8	.1873	3/8	11/32
CC6-29	.3123			.2498	1/2	3/8
CC6-30	.3123			.3123	1/2	3/8
CC6-31	.3748*	1	5/8	.2498	1/2	3/8
CC6-32	.3748*			.3123	1/2	3/8
CC6-33	.3748*			.3748*	1	5/8
CC6-34	.4998*	1-1/4	5/8	.2498	1/2	3/8
CC6-37	.4998*			.4998*	1-1/4	5/8

* Two piece construction - Aluminum Sprocket with Stainless Steel Hubs





Available on request: Other bore sizes, larger torque ratings

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THIN WALL COUPLINGS

BORE	O.D	TORQUE	MATERIAL
1/8" TO 1/2"	1.35"	80 IN. LBS.	ALUMINUM HUBS

- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

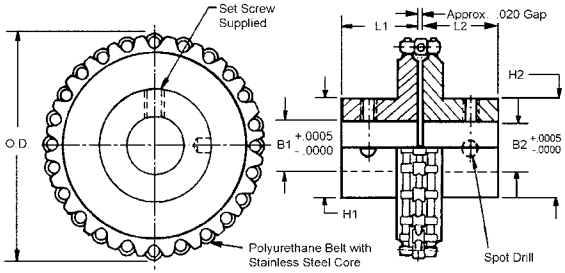
STOCK NO.	B1	H1	L1	B2	H2	L2
CC6-40	.1248	5/16	5/16	.1248	5/16	5/16
CC6-41	.1248			.1562	5/16	5/16
CC6-42	.1248			.1873	3/8	11/32
CC6-43	.1248			.2498	1/2	3/8
CC6-44	.1873	3/8	11/32	.1873	3/8	11/32
CC6-45	.1873			.2498	1/2	3/8
CC6-46	.2498	1/2	3/8	.2405	3/8	11/32
CC6-47	.2498			.2498	1/2	3/8
CC6-48	.3123	1/2	3/8	.1873	3/8	11/32
CC6-49	.3123			.2498	1/2	3/8
CC6-50	.3123			.3123	1/2	3/8
CC6-51	.3748	1	5/8	.2498	1/2	3/8
CC6-52	.3748			.3123	1/2	3/8
CC6-53	.3748			.3748	1	5/8
CC6-54	.4998	1-1/4	5/8	.2498	1/2	3/8
CC6-55	.4998			.3123	1-1/2	3/8
CC6-56	.4998			.3748	1	5/8
CC6-57	.4998			.4998	1-1/4	5/8

BORE	O.D	TORQUE	MATERIAL
1/4" TO 1/2"	1.60"	115 IN. LBS.	ALUMINUM HUBS

- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

* Two piece construction - Aluminum Sprocket with Stainless Steel Hubs

STOCK NO.	B1	H1	L1	B2	H2	L2
CC6-67	.2498	1/2	3/8	.2498	1/2	3/8
CC6-68	.3123	1/2	3/8	.1873	3/8	11/32
CC6-69	.3123			.2498	1/2	3/8
CC6-70	.3123			.3123	1/2	3/8
CC6-71	.3748*	1	5/8	.2498	1/2	3/8
CC6-72	.3748*			.3123	1/2	3/8
CC6-73	.3748*			.3748*	1	5/8
CC6-74	.4998*	1-1/4	5/8	.2498	1/2	3/8
CC6-75	.4998*			.3123	1-1/2	3/8
CC6-76	.4998*			.3748*	1	5/8
CC6-77	.4998*			.4998*	1-1/4	5/8





Available on request: Other bore sizes, larger torque ratings

THIN WALL COUPLINGS

BORE	O.D	TORQUE	MATERIAL
1/8" TO 5/16"	.85"	28 IN. LBS.	STAINLESS STEEL HUBS

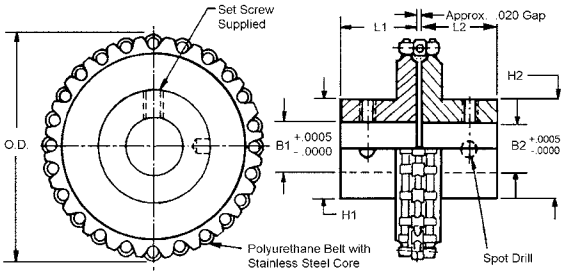
- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

STOCK NO.	B1	H1	L1	B2	H2	L2
CC7-1	.1248	5/16	5/16	.1248	5/16	5/16
CC7-2	.1248			.1562	5/16	5/16
CC7-3	.1248			.1873	3/8	11/32
CC7-4	.1248			.2498	1/2	3/8
CC7-5	.1873	3/8	11/32	.1873	3/8	11/32
CC7-6	.1873			.2498	1/2	3/8
CC7-7	.2498	1/2	3/8	.2405	3/8	11/32
CC7-8	.2498			.2498	1/2	3/8
CC7-9	.3123	1/2	3/8	.1873	3/8	11/32
CC7-10	.3123			.2498	1/2	3/8
CC7-11	.3123			.3123	1/2	3/8

BORE	O.D	TORQUE	MATERIAL
1/8" TO 1/2"	1.09"	50 IN. LBS.	STAINLESS STEEL

- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

STOCK NO.	B1	H1	L1	B2	H2	L2
CC7-20	.1248	5/16	5/16	.1248	5/16	5/16
CC7-21	.1248			.1562	5/16	5/16
CC7-22	.1248			.1873	3/8	11/32
CC7-23	.1248			.2498	1/2	3/8
CC7-24	.1873	3/8	11/32	.1873	3/8	11/32
CC7-25	.1873			.2498	1/2	3/8
CC7-26	.2498	1/2	3/8	.2405	3/8	11/32
CC7-27	.2498			.2498	1/2	3/8
CC7-28	.3123	1/2	3/8	.1873	3/8	11/32
CC7-29	.3123			.2498	1/2	3/8
CC7-30	.3123			.3123	1/2	3/8
CC7-31	.3748*	1	5/8	.2498	1/2	3/8
CC7-32	.3748*			.3123	1/2	3/8
CC7-33	.3748*			.3748*	1	5/8
CC7-34	.4998*	1-1/4	5/8	.2498	1/2	3/8
CC7-37	.4998*			.4998*	1-1/4	5/8





Available on request: Other bore sizes, larger torque ratings

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THIN WALL COUPLINGS

BORE	O.D	TORQUE	MATERIAL
1/8" TO 1/2"	1.35"	80 IN. LBS.	STAINLESS STEEL HUBS

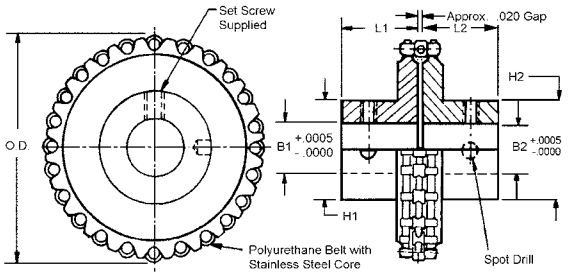
- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

STOCK NO.	B1	H1	L1	B2	H2	L2
CC7-40	.1248	5/16	5/16	.1248	5/16	5/16
CC7-41	.1248			.1562	5/16	5/16
CC7-42	.1248			.1873	3/8	11/32
CC7-43	.1248			.2498	1/2	3/8
CC7-44	.1873	3/8	11/32	.1873	3/8	11/32
CC7-45	.1873			.2498	1/2	3/8
CC7-46	.2498	1/2	3/8	.2405	3/8	11/32
CC7-47	.2498			.2498	1/2	3/8
CC7-48	.3123	1/2	3/8	.1873	3/8	11/32
CC7-49	.3123			.2498	1/2	3/8
CC7-50	.3123			.3123	1/2	3/8
CC7-51	.3748	1	5/8	.2498	1/2	3/8
CC7-52	.3748			.3123	1/2	3/8
CC7-53	.3748			.3748	1	5/8
CC7-54	.4998	1-1/4	5/8	.2498	1/2	3/8
CC7-55	.4998			.3123	1-1/2	3/8
CC7-56	.4998			.3748	1	5/8
CC7-57	.4998			.4998	1-1/4	5/8

BORE	O.D	TORQUE	MATERIAL
1/4" TO 1/2"	1.60"	115 IN. LBS.	STAINLESS STEEL

- Shaft to shaft couplings
- Pin to pin phase adjustment
- No lubrication required
- Positive drive
- 3° max. angular misalignment
- 1/32 max. lateral misalignment
- -65° to 180° F temperature range
- Quick Disconnect

STOCK NO.	B1	H1	L1	B2	H2	L2
CC7-67	.2498	1/2	3/8	.2498	1/2	3/8
CC7-68	.3123	1/2	3/8	.1873	3/8	11/32
CC7-69	.3123			.2498	1/2	3/8
CC7-70	.3123			.3123	1/2	3/8
CC7-71	.3748*	1	5/8	.2498	1/2	3/8
CC7-72	.3748*			.3123	1/2	3/8
CC7-73	.3748*			.3748	1	5/8
CC7-74	.4998*	1-1/4	5/8	.2498	1/2	3/8
CC7-75	.4998*			.3123	1-1/2	3/8
CC7-76	.4998*			.3748*	1	5/8
CC7-77	.4998*			.4998*	1-1/4	5/8

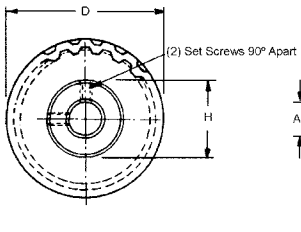




Available on request: Other bore sizes, larger torque ratings

COUPLINGS

BORE	MATERIAL	BERG'S ® NAME
1/8" TO 1/2"	POLYURETHANE WITH ANODIZED ALUMINUM HUBS	FLEX-E-GRIP





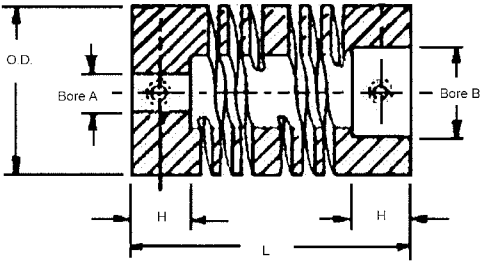
STOCK NO.	BORES A & B	D	H	L	S	MAXIMUM ANGULAR MISALIGN.	MAXIMUM SHAFT MISALIGN	MAXIMUM TORQUE (IN LBS.)
CC9-20-2 CC9-20-3 CC9-20-4	.125 .188 .250	.56	1/2	5/8	3/64	3°	.005	25
CC9-40-2 CC9-40-3 CC9-40-4	.125 .188 .250	1.08	1/2	5/8	3/64	4°	.006	50
CC9-60-2 CC9-60-3 CC9-60-4	.125 .188 .250	1.60	1/2	5/8	3/64	5°	.008	100
CC9-120-2 CC9-120-3 CC9-120-4	.125 .188 .250	3.16	1/2	5/8	3/64	6°	.010	150
CC10-14-4 CC10-14-6 CC10-14-8	.250 .375 .500	.95	3/4	3/4	3/32	3°	.005	50
CC10-24-4 CC10-24-6 CC10-24-8	.250 .375 .500	1.58	3/4	3/4	3/32	4°	.006	100
CC10-36-4 CC10-36-6 CC10-36-8	.250 .375 .500	2.35	3/4	3/4	3/32	5°	.008	150
CC10-48-4 CC10-48-6 CC10-48-8	.250 .375 .500	3.12	3/4	3/4	3/32	6°	.010	200
CC8-10-4 CC8-10-6 CC8-10-8	.250 .375 .500	1.28	1	1	1/8	3°	.005	50
CC8-15-4 CC8-15-6 CC8-15-8	.250 .375 .500	1.88	1	1	1/8	4°	.006	100
CC8-20-4 CC8-20-6 CC8-20-8	.250 .375 .500	2.48	1	1	1/8	5°	.008	200
CC8-24-4 CC8-24-6 CC8-24-8	.250 .375 .500	2.96	1	1	1/8	6°	.010	300

- Shaft to shaft couplings
- Pin to pin phase adjustment
- -65° to 180° F temperature range
- Positive drive
- Minimal backlash
- Silent operation
- Acid and chemical resistant
- Shaft to shaft synchronization
- Simple assembly and disassembly
- No lubrication required
- Quick disconnect
- Cushioned drive

Other bore combinations available on request.

SIX BEAM FLEXIBLE COUPLING

BORE	STYLE	MATERIAL
.120 TO 1.000	PIN HUB	2024 ANODIZED ALUMINUM





STOCK NO.	BORE A +.002	BORE B +.002	OD	L	H	ANGLE OFF SET	PARALLEL OFF SET	NON-REVERSING WORKING TORQUE* (LB-IN)
CO36A-1	.120	.125	.375	.770	.23	5°	.005	5
CO36A-2	.125	.125						
CO36A-3	.125	.187						
CO36A-4	.187	.187						
CO38A-1	.120	.125	.500	1.000	.27	5°	.007	10
CO38A-2	.125	.125						
CO38A-3	.187	.187						
CO38A-4	.250	.250						
CO40A-1	.187	.250	.750	1.100	.25	7°	.010	25
CO40A-2	.250	.250						
CO40A-3	.250	.375						
CO40A-4	.375	.375						
CO42A-1	.250	.250	1.000	1.500	.43	7°	.015	44
CO42A-2	.312	.312						
CO42A-3	.375	.375						
CO42A-4	.500	.500						
CO44A-1	.250	.375	1.250	2.250	.62	7°	.020	62
CO44A-2	.375	.375						
CO44A-3	.500	.500						
CO44A-4	.625	.625						
CO50A-1	.500	.500	1.500	2.625	.71	7°	.020	97
CO50A-2	.625	.625						
CO50A-3	.750	.750						
CO52A-1	.500	.500	1.750	3.000	.79	7°	.031	130
CO52A-2	.625	.625						
CO52A-3	.750	.750						
CO54A-1	.750	.750	2.250	5.125	1.26	7°	.038	230
CO54A-2	.875	.875						
CO54A-3	1.000	1.000						

* For reversing torque use factor 2.

Available on request - Key ways in bores 1/2" and larger
Special bores or bore combinations
Operating temperature -40° F to 248° F

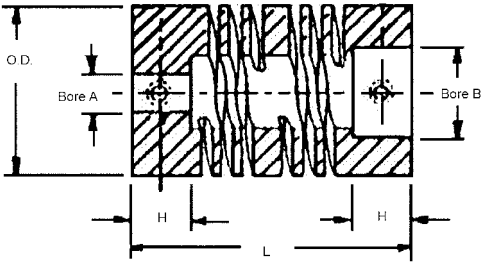
Central internal chamber diameter may be smaller than bore in some cases.

Advantages
- One Piece construction. no mechanical joints
- No Backlash
- Constant velocity
- Torsionally rigid
- High Flexibility
- Small and lightweight
- High or low speeds
- Not temperature sensitive
- No lubrication
- Unaffected by climactic conditions
- Reversible

Applications
Encoders • Stepper Motors • Precision Ball Screws • Machine Tools • Robotics • Scientific Equipment • Measuring Instruments • Computers • Servo Systems • Optical Telescopes • Defense Systems • Medical Equipment • Appliances• Pumps • Valves • Fans

SIX BEAM FLEXIBLE COUPLING

BORE	STYLE	MATERIAL
.120 TO 1.000	PIN HUB	303 STAINLESS STEEL





STOCK NO.	BORE A +.002 -.000	BORE B +.002 -.000	OD	L	H	ANGLE OFF SET	PARALLEL OFF SET	NON-REVERSING WORKING TORQUE* (LB-IN)
CO36S-1	.120	.125	.375	.770	.230	5°	.005	8
CO36S-2	.125	.125						
CO36S-3	.125	.187						
CO36S-4	.187	.187						
CO38S-1	.120	.125	.500	1.000	.270	5°	.007	15
CO38S-2	.125	.125						
CO38S-3	.187	.187						
CO38S-4	.250	.250						
CO40S-1	.187	.250	.750	1.100	.250	7°	.010	40
CO40S-2	.250	.250						
CO40S-3	.250	.375						
CO40S-4	.375	.375						
CO42S-1	.250	.250	1.000	1.500	.430	7°	.015	85
CO42S-2	.312	.312						
CO42S-3	.375	.375						
CO42S-4	.500	.500						
CO44S-1	.250	.375	1.250	2.250	.620	7°	.020	115
CO44S-2	.375	.375						
CO44S-3	.500	.500						
CO44S-4	.625	.625						
CO50S-1	.500	.500	1.500	2.625	.710	7°	.020	170
CO50S-2	.625	.625						
CO50S-3	.750	.750						
CO52S-1	.500	.500	1.750	3.000	.790	7°	.031	200
CO52S-2	.625	.625						
CO52S-3	.750	.750						
CO54S-1	.750	.750	2.250	5.125	1.260	7°	.038	400
CO54S-2	.875	.875						
CO54S-3	1.000	1.000						

* For reversing torque use factor 2.

Available on request - Key ways in bores 1/2" and larger
Special bores or bore combinations
Operating temperature -40° F to 248° F

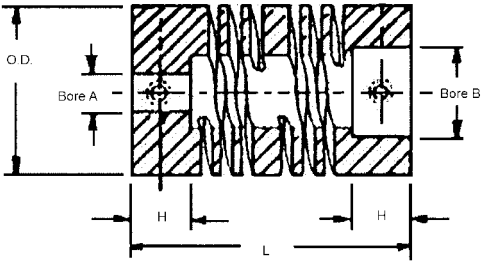
Central internal chamber diameter may be smaller than bore in some cases.

Advantages
- One Piece construction. no mechanical joints
- No Backlash
- Constant velocity
- Torsionally rigid
- High Flexibility
- Small and lightweight
- High or low speeds
- Not temperature sensitive
- No lubrication
- Unaffected by climactic conditions
- Reversible

Applications
Encoders • Stepper Motors • Precision Ball Screws • Machine Tools • Robotics • Scientific Equipment • Measuring Instruments • Computers • Servo Systems • Optical Telescopes • Defense Systems • Medical Equipment • Appliances • Pumps • Valves • Fans

SIX BEAM FLEXIBLE COUPLING

BORE	STYLE	MATERIAL
.120 TO 1.000	PIN HUB	DELRIN





STOCK NO.	BORE A +.002	BORE B +.002	OD	L	H	ANGLE OFF SET	PARALLEL OFF SET	NON-REVERSING WORKING TORQUE* (LB-IN)
CO36D-1	.120	.125	.375	.770	.230	5°	.005	-
CO36D-2	.125	.125						
CO36D-3	.125	.187						
CO36D-4	.187	.187						
CO38D-1	.120	.125	.500	1.000	.270	5°	.007	2.5
CO38D-2	.125	.125						
CO38D-3	.187	.187						
CO38D-4	.250	.250						
CO40D-1	.187	.250	.750	1.100	.250	7°	.010	7.5
CO40D-2	.250	.250						
CO40D-3	.250	.375						
CO40D-4	.375	.375						
CO42D-1	.250	.250	1.000	1.500	.430	7°	.015	14.0
CO42D-2	.312	.312						
CO42D-3	.375	.375						
CO42D-4	.500	.500						
CO44D-1	.250	.375	1.250	2.250	.620	7°	.020	21.0
CO44D-2	.375	.375						
CO44D-3	.500	.500						
CO44D-4	.625	.625						
CO50D-1	.500	.500	1.500	2.625	.710	7°	.020	25.0
CO50D-2	.625	.625						
CO50D-3	.750	.750						
CO52D-1	.500	.500	1.750	3.000	.790	7°	.031	30.0
CO52D-2	.625	.625						
CO52D-3	.750	.750						
CO54D-1	.750	.750	2.250	5.125	1.260	7°	.038	35.0
CO54D-2	.875	.875						
CO54D-3	1.000	1.000						

* For reversing torque use factor 2.

Available on request - Key ways in bores 1/2" and larger
Special bores or bore combinations
Operating temperature -40° F to 248° F

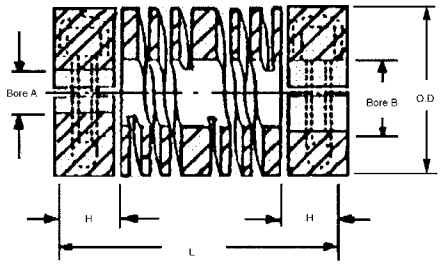
Central internal chamber diameter may be smaller than bore in some cases.

Advantages
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- No Backlash
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- High Flexibility
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- Not temperature sensitive
- No lubrication
- Unaffected by climactic conditions
- Reversible

Applications
Encoders • Stepper Motors • Precision Ball Screws • Machine Tools • Robotics • Scientific Equipment • Measuring Instruments • Computers • Servo Systems • Optical Telescopes • Defense Systems • Medical Equipment • Appliances • Pumps • Valves • Fans

SIX BEAM FLEXIBLE COUPLING

BORE	STYLE	MATERIAL
.120 TO 1.000	CLAMP	2024 ANODIZED ALUMINUM





STOCK NO.	BORE A +.002 -.000	BORE B +.002 -.000	OD	L	H	ANGLE OFF SET	PARALLEL OFF SET	NON-REVERSING WORKING TORQUE* (LB-IN)
CO37A-1	.120	.125	.375	.770	.230	5°	.005	5
CO37A-2	.125	.125						
CO37A-3	.125	.187						
CO37A-4	.187	.187						
CO39A-1	.120	.125	.500	1.000	.270	5°	.007	10
CO39A-2	.125	.125						
CO39A-3	.187	.187						
CO39A-4	.250	.250						
CO41A-1	.187	.250	.750	1.100	.250	7°	.010	25
CO41A-2	.250	.250						
CO41A-3	.250	.375						
CO41A-4	.375	.375						
CO43A-1	.250	.250	1.000	1.500	.430	7°	.015	44
CO43A-2	.312	.312						
CO43A-3	.375	.375						
CO43A-4	.500	.500						
CO45A-1	.250	.375	1.250	2.250	.620	7°	.020	62
CO45A-2	.375	.375						
CO45A-3	.500	.500						
CO45A-4	.625	.625						
CO51A-1	.500	.500	1.500	2.625	.710	7°	.020	97
CO51A-2	.625	.625						
CO51A-3	.750	.750						
CO53A-1	.500	.500	1.750	3.000	.790	7°	.031	130
CO53A-2	.625	.625						
CO53A-3	.750	.750						
CO55A-1	.750	.750	2.250	5.125	1.260	7°	.038	230
CO55A-2	.875	.875						
CO55A-3	1.000	1.000						

* For reversing torque use factor 2.

Available on request - Key ways in bores 1/2" and larger
Special bores or bore combinations
Operating temperature -40° F to 248° F

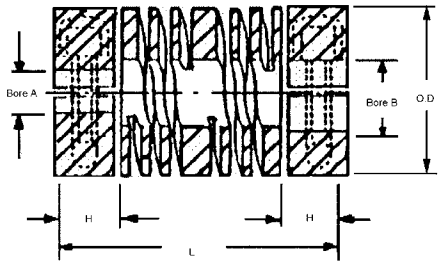
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- Not temperature sensitive
- No lubrication
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SIX BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
.120 TO 1.000	CLAMP	303 STAINLESS STEEL





STOCK NO.	BORE A +.002 -.000	BORE B +.002 -.000	OD	L	H	ANGLE OFF SET	PARALLEL OFF SET	NON-REVERSING WORKING TORQUE* (LB-IN)
CO37S-1	.120	.125	.375	.770	.230	5°	.005	8
CO37S-2	.125	.125						
CO37S-3	.125	.187						
CO37S-4	.187	.187						
CO39S-1	.120	.125	.500	1.000	.270	5°	.007	15
CO39S-2	.125	.125						
CO39S-3	.187	.187						
CO39S-4	.250	.250						
CO41S-1	.187	.250	.750	1.100	.250	7°	.010	40
CO41S-2	.250	.250						
CO41S-3	.250	.375						
CO41S-4	.375	.375						
CO43S-1	.250	.250	1.000	1.500	.430	7°	.015	85
CO43S-2	.312	.312						
CO43S-3	.375	.375						
CO43S-4	.500	.500						
CO45S-1	.250	.375	1.250	2.250	.620	7°	.020	115
CO45S-2	.375	.375						
CO45S-3	.500	.500						
CO45S-4	.625	.625						
CO51S-1	.500	.500	1.500	2.625	.710	7°	.020	170
CO51S-2	.625	.625						
CO51S-3	.750	.750						
CO53S-1	.500	.500	1.750	3.000	.790	7°	.031	200
CO53S-2	.625	.625						
CO53S-3	.750	.750						
CO55S-1	.750	.750	2.250	5.125	1.260	7°	.038	400
CO55S-2	.875	.875						
CO55S-3	1.000	1.000						

* For reversing torque use factor 2.

Available on request - Key ways in bores 1/2" and larger
Special bores or bore combinations
Operating temperature -40° F to 248° F

Central internal chamber diameter may be smaller than bore in some cases.

Advantages

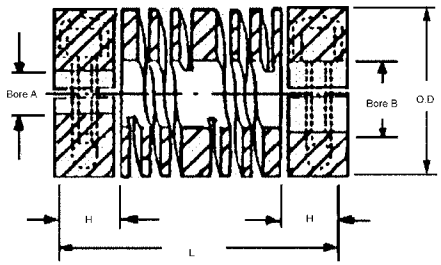
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- Constant velocity
- Torsionally rigid
- High Flexibility
- Small and lightweight
- High or low speeds
- Not temperature sensitive
- No lubrication
- Unaffected by climactic conditions
- Reversible

Applications

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SIX BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
.120 TO 1.000	CLAMP	DELRIN





STOCK NO.	BORE A +.002 -.000	BORE B +.002 -.000	OD	L	H	ANGLE OFF SET	PARALLEL OFF SET	NON-REVERSING WORKING TORQUE* (LB-IN)
CO37D-1 CO37D-2 CO37D-3 CO37D-4	.120 .125 .125 .187	.125 .125 .187 .187	.375	.770	.230	5°	.005	-
CO39D-1 CO39D-2 CO39D-3 CO39D-4	.120 .125 .187 .250	.125 .125 .187 .250	.500	1.000	.270	5°	.007	2.5
CO41D-1 CO41D-2 CO41D-3 CO41D-4	.187 .250 .250 .375	.250 .250 .375 .375	.750	1.100	.250	7°	.010	7.5
CO43D-1 CO43D-2 CO43D-3 CO43D-4	.250 .312 .375 .500	.250 .312 .375 .500	1.000	1.500	.430	7°	.015	14
CO45D-1 CO45D-2 CO45D-3 CO45D-4	.250 .375 .500 .625	.375 .375 .500 .625	1.250	2.250	.620	7°	.020	21
CO51D-1 CO51D-2 CO51D-3	.500 .625 .750	.500 .625 .750	1.500	2.625	.710	7°	.020	25
CO53D-1 CO53D-2 CO53D-3	.500 .625 .750	.500 .625 .750	1.750	3.000	.790	7°	.031	30
CO55D-1 CO55D-2 CO55D-3	.750 .875 1.000	.750 .875 1.000	2.250	5.125	1.260	7°	.038	35

* For reversing torque use factor 2.

Available on request - Key ways in bores 1/2" and larger
Special bores or bore combinations
Operating temperature -40° F to 248° F

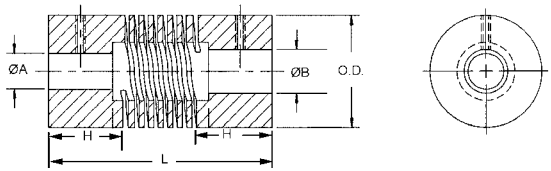
Central internal chamber diameter may be smaller than bore in some cases.

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Applications
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THREE BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
3/32" TO 1"	PIN HUB	ALUMINUM 2024-T6 ANODIZED



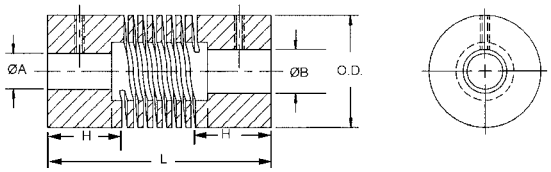
- Couplings can be supplied with a keyway
- Non-standard bore sizes available
- All couplings contain an integral relief chamber
- Operating temperature -40°F to 248°F

STOCK NO.	BORE A +.002 -.000	BORE B +.002 -.000	OD	L MAX.	H	MAXIMUM WORKING TORQUE (LB-IN)	ALLOWABLE MISALIGNMENT	
							ANGLE OFFSET	PARALLEL OFFSET
CO71A-1	.094	.094	.38	.56	.11	3.5	5°	.004
CO73A-1	.094	.094	.50	.75	.21	8	5°	.005
CO73A-2	.094	.125						
CO73A-3	.125	.125						
CO75A-1	.125	.125	.63	.80	.24	13	5°	.005
CO75A-2	.125	.157						
CO75A-3	.125	.188						
CO75A-4	.157	.157						
CO75A-5	.157	.188						
CO75A-6	.188	.188						
CO77A-1	.125	.125	.75	.90	.28	22	5°	.005
CO77A-2	.125	.157						
CO77A-3	.125	.188						
CO77A-4	.125	.250						
CO77A-5	.157	.157						
CO77A-6	.157	.188						
CO77A-7	.157	.250						
CO77A-8	.188	.188						
CO77A-9	.188	.188						
CO77A-10	.250	.250						
CO79A-1	.250	.250	1.00	1.25	.33	35	5°	.005
CO79A-2	.250	.313						
CO79A-3	.250	.375						
CO79A-4	.313	.313						
CO79A-5	.313	.375						
CO79A-6	.375	.375						
CO81A-1	.250	.250	1.25	1.75	.44	53	5°	.005
CO81A-2	.250	.375						
CO81A-3	.250	.500						
CO81A-4	.250	.625						
CO81A-5	.375	.375						
CO81A-6	.375	.500						
CO81A-7	.375	.625						
CO81A-8	.500	.500						
CO81A-9	.500	.625						
CO81A-10	.625	.625						
CO83A-1	.500	.500	1.50	2.63	.71	59	5°	.010
CO83A-2	.625	.625						
CO83A-3	.750	.750						
CO85A-1	.500	.500	1.75	3.00	.79	70	5°	.010
CO85A-2	.625	.625						
CO85A-3	.750	.750						
CO87A-1	.750	.750	2.25	5.13	1.26	80	5°	.010
CO87A-2	.875	.875						
CO87A-3	1.000	1.000						

Central internal chamber diameter may be smaller than bore in some cases.

THREE BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
3/32" TO 1"	PIN HUB	303 STAINLESS STEEL



- Couplings can be supplied with a keyway
- Non-standard bore sizes available
- All couplings contain an integral relief chamber
- Operating temperature -40°F to 248°F

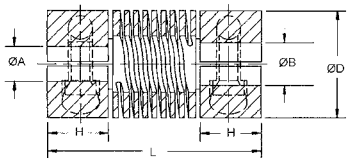
STOCK NO.	BORE A +.002 -.000	BORE B +.002 -.000	OD	L MAX.	H	MAXIMUM WORKING TORQUE (LB-IN)	ALLOWABLE MISALIGNMENT	
							ANGLE OFFSET	PARALLEL OFFSET
CO71S-1	.094	.094	.38	.56	.11	4	3°	.004
CO73S-1	.094	.094	.50	.75	.21	8	5°	.005
CO73S-2	.094	.125						
CO73S-3	.125	.125						
CO75S-1	.125	.125	.63	.80	.24	16	5°	.005
CO75S-2	.125	.157						
CO75S-3	.125	.188						
CO75S-4	.157	.157						
CO75S-5	.157	.188						
CO75S-6	.188	.188						
CO77S-1	.125	.125	.75	.90	.28	23	5°	.005
CO77S-2	.125	.157						
CO77S-3	.125	.188						
CO77S-4	.125	.250						
CO77S-5	.157	.157						
CO77S-6	.157	.188						
CO77S-7	.157	.250						
CO77S-8	.188	.188						
CO77S-9	.188	.188						
CO77S-10	.250	.250						
CO79S-1	.250	.250	1.00	1.25	.33	53	5°	.005
CO79S-2	.250	.313						
CO79S-3	.250	.375						
CO79S-4	.313	.313						
CO79S-5	.313	.375						
CO79S-6	.375	.375						
CO81S-1	.250	.250	1.25	1.75	.44	88	5°	.005
CO81S-2	.250	.375						
CO81S-3	.250	.500						
CO81S-4	.250	.625						
CO81S-5	.375	.375						
CO81S-6	.375	.500						
CO81S-7	.375	.625						
CO81S-8	.500	.500						
CO81S-9	.500	.625						
CO81S-10	.625	.625						
CO83S-1	.500	.500	1.50	2.63	.71	100	5°	.010
CO83S-2	.625	.625						
CO83S-3	.750	.750						
CO85S-1	.500	.500	1.75	3.00	.79	120	5°	.010
CO85S-2	.625	.625						
CO85S-3	.750	.750						
CO87S-1	.750	1.750	2.25	5.13	1.26	145	5°	.010
CO87S-2	.875	.875						
CO87S-3	1.000	1.000						

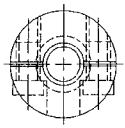
Central internal chamber diameter may be smaller than bore in some cases.

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THREE BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
3/32" TO 1"	CLAMP	ALUMINUM 2024-T6 ANODIZED







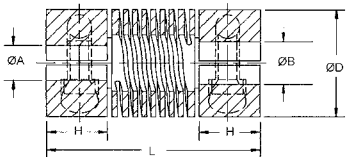
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- All couplings contain an integral relief chamber
- Operating temperature -40°F to 248°F

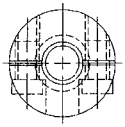
STOCK NO.	BORE A	BORE B	OD	L MAX.	H	MAXIMUM WORKING TORQUE (LB-IN)	ALLOWABLE MISALIGNMENT	
							ANGLE OFFSET	PARALLEL OFFSET
CO72A-1	.094	.094	.50	.75	.21	8	5°	.005
CO72A-2	.094	.125						
CO72A-3	.125	.125						
CO74A-1	.125	.125	.63	.80	.24	13	5°	.005
CO74A-2	.125	.157						
CO74A-3	.125	.188						
CO74A-4	.157	.157						
CO74A-5	.157	.188						
CO74A-6	.188	.188						
CO76A-1	.125	.125	.75	.90	.28	22	5°	.005
CO76A-2	.125	.157						
CO76A-3	.125	.188						
CO76A-4	.125	.250						
CO76A-5	.157	.157						
CO76A-6	.157	.188						
CO76A-7	.157	.250						
CO76A-8	.188	.188						
CO76A-9	.188	.188						
CO76A-10	.250	.250						
CO78A-1	.250	.250	1.00	1.25	.33	35	5°	.005
CO78A-2	.250	.313						
CO78A-3	.250	.375						
CO78A-4	.313	.313						
CO78A-5	.313	.375						
CO78A-6	.375	.375						
CO80A-1	.250	.250	1.25	1.75	.44	53	5°	.005
CO80A-2	.250	.375						
CO80A-3	.250	.500						
CO80A-4	.250	.625						
CO80A-5	.375	.375						
CO80A-6	.375	.500						
CO80A-7	.375	.625						
CO80A-8	.500	.500						
CO80A-9	.500	.625						
CO80A-10	.625	.625						
CO82A-1	.500	.500	1.50	2.63	.71	59	5°	.010
CO82A-2	.625	.625						
CO82A-3	.750	.750						
CO84A-1	.500	.500	1.75	3.00	.79	70	5°	.010
CO84A-2	.625	.625						
CO84A-3	.750	.750						
CO86A-1	.750	.750	2.25	5.13	1.26	80	5°	.010
CO86A-2	.875	.875						
CO86A-3	1.000	1.000						

Central internal chamber diameter may be smaller than bore in some cases.

THREE BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
3/32" TO 1"	CLAMP	303 STAINLESS STEEL







- Couplings can be supplied with a keyway
- Non-standard bore sizes available
- All couplings contain an integral relief chamber
- Operating temperature -40°F to 248°F

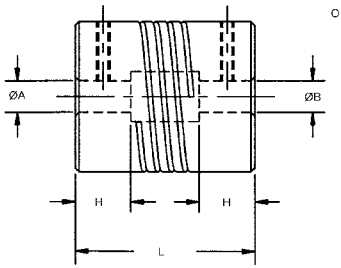
STOCK NO.	BORE A	BORE B	OD	L MAX.	H	MAXIMUM WORKING TORQUE (LB-IN)	ALLOWABLE MISALIGNMENT	
							ANGLE OFFSET	PARALLEL OFFSET
CO72S-1	.094	.094	.50	.75	.21	8	5°	.005
CO72S-2	.094	.125						
CO72S-3	.125	.125						
CO74S-1	.125	.125	.63	.80	.24	16	5°	.005
CO74S-2	.125	.157						
CO74S-3	.125	.188						
CO74S-4	.157	.157						
CO74S-5	.157	.188						
CO74S-6	.188	.188						
CO76S-1	.125	.125	.75	.90	.28	23	5°	.005
CO76S-2	.125	.157						
CO76S-3	.125	.188						
CO76S-4	.125	.250						
CO76S-5	.157	.157						
CO76S-6	.157	.188						
CO76S-7	.157	.250						
CO76S-8	.188	.188						
CO76S-9	.188	.188						
CO76S-10	.250	.250						
CO78S-1	.250	.250	1.00	1.25	.33	53	5°	.010
CO78S-2	.250	.313						
CO78S-3	.250	.375						
CO78S-4	.313	.313						
CO78S-5	.313	.375						
CO78S-6	.375	.375						
CO80S-1	.250	.250	1.25	1.75	.44	88	5°	.010
CO80S-2	.250	.375						
CO80S-3	.250	.500						
CO80S-4	.250	.625						
CO80S-5	.375	.375						
CO80S-6	.375	.500						
CO80S-7	.375	.625						
CO80S-8	.500	.500						
CO80S-9	.500	.625						
CO80S-10	.625	.625						
CO82S-1	.500	.500	1.50	2.63	.71	100	5°	.010
CO82S-2	.625	.625						
CO82S-3	.750	.750						
CO84S-1	.500	.500	1.75	3.00	.79	120	5°	.010
CO84S-2	.625	.625						
CO84S-3	.750	.750						
CO86S-1	.750	.750	2.25	5.13	1.26	145	5°	.010
CO86S-2	.875	.875						
CO86S-3	1.000	1.000						

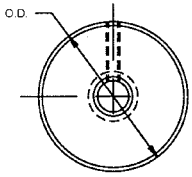
Central internal chamber diameter may be smaller than bore in some cases.

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SINGLE BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
3/32" TO 1"	PIN HUB	ALUMINUM 7075 ANODIZED





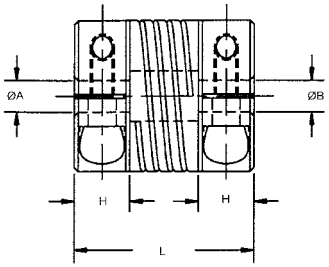


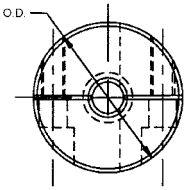
STOCK NO.	A +.002 -.000	B +.002 -.000	OD	L MAX.	H	MAXIMUM WORKING TORQUE (LB-IN)	ALLOWABLE MISALIGNMENT	
							ANGLE OFFSET	PARALLEL OFFSET
COS71A-1	.094	.094	.38	.56	.11	1.50	5	.005
COS73A-1	.094	.094	.50	.75	.21	4	5	.010
COS73A-2	.094	.125						
COS73A-3	.125	.125						
COS75A-1	.125	.125	.63	.80	.24	6	5	.010
COS75A-2	.125	.157						
COS75A-3	.125	.188						
COS75A-4	.157	.157						
COS75A-5	.157	.188						
COS75A-6	.188	.188						
COS77A-1	.125	.125	.75	.90	.25	10.5	5	.010
COS77A-2	.125	.157						
COS77A-3	.125	.188						
COS77A-4	.125	.250						
COS77A-5	.157	.157						
COS77A-6	.157	.188						
COS77A-7	.157	.250						
COS77A-8	.188	.188						
COS77A-9	.188	.250						
COS77A-10	.250	.250						
COS79A-1	.250	.250	1.00	1.25	.33	15	5	.010
COS79A-2	.250	.313						
COS79A-3	.250	.375						
COS79A-4	.313	.313						
COS79A-5	.313	.375						
COS79A-6	.375	.375						
COS81A-1	.250	.250	1.25	1.75	.44	31	5	.010
COS81A-2	.250	.375						
COS81A-3	.250	.500						
COS81A-4	.250	.625						
COS81A-5	.375	.375						
COS81A-6	.375	.500						
COS81A-7	.375	.625						
COS81A-8	.500	.500						
COS81A-9	.500	.625						
COS81A-10	.625	.625						
COS83A-1	.500	.500	1.50	2.63	.71	45	5	.010
COS83A-2	.625	.625						
COS83A-3	.750	.750						
COS85A-1	.500	.500	1.75	3.00	.79	60	5	.010
COS85A-2	.625	.625						
COS85A-3	.750	.750						
COS87A-1	.750	.750	2.25	5.13	1.26	100	5	.010
COS87A-2	.875	.875						
COS87A-3	1.000	1.000						

Central internal chamber diameter may be smaller than bore in some cases.

SINGLE BEAM FLEXIBLE COUPLING

BORES	STYLE	MATERIAL
3/32" TO 1"	CLAMP	ALUMINUM 7075 ANODIZED







STOCK NO.	A +.002 -.000	B +.002 -.000	OD	L MAX.	H	MAXIMUM WORKING TORQUE (LB-IN)	ALLOWABLE MISALIGNMENT	
							ANGLE OFFSET	PARALLEL OFFSET
COS72A-1	.094	.094	.50	.75	.21	4	5	.010
COS72A-2	.094	.125						
COS72A-3	.125	.125						
COS74A-1	.125	.125	.63	.80	.24	6	5	.010
COS74A-2	.125	.157						
COS74A-3	.125	.188						
COS74A-4	.157	.157						
COS74A-5	.157	.188						
COS74A-6	.188	.188						
COS76A-1	.125	.125	.75	.90	.25	10.5	5	.010
COS76A-2	.125	.157						
COS76A-3	.125	.188						
COS76A-4	.125	.250						
COS76A-5	.157	.157						
COS76A-6	.157	.157						
COS76A-7	.157	.157						
COS76A-8	.188	.188						
COS76A-9	.188	.188						
COS76A-10	.250	.250						
COS78A-1	.250	.250	1.00	1.25	.33	15	5	.010
COS78A-2	.250	.313						
COS78A-3	.250	.375						
COS78A-4	.313	.313						
COS78A-5	.313	.375						
COS78A-6	.375	.375						
COS80A-1	.250	.250	1.25	1.75	.44	31	5	.010
COS80A-2	.250	.375						
COS80A-3	.250	.500						
COS80A-4	.250	.625						
COS80A-5	.375	.375						
COS80A-6	.375	.500						
COS80A-7	.375	.625						
COS80A-8	.500	.500						
COS80A-9	.500	.625						
COS80A-10	.625	.625						
COS82A-1	.500	.500	1.50	2.63	.71	45	5	.010
COS82A-2	.625	.625						
COS82A-3	.750	.750						
COS84A-1	.500	.500	1.75	3.00	.79	60	5	.010
COS84A-2	.625	.625						
COS84A-3	.750	.750						
COS86A-1	.750	.750	2.25	5.13	1.26	100	5	.010
COS86A-2	.875	.875						
COS86A-3	1.000	1.000						

Central internal chamber diameter may be smaller than bore in some cases.

RELI-A-FLEX COUPLINGS

BORES	STYLE	MATERIAL
1/8" TO 1/2"	CLAMP, SHORT	ALUMINUM 7075 ALOCROM FINISH

STOCK NO.	L	ØD	ØB1 +.002 -.000	ØB2 +.002 -.000	E	SOCKET SCREW SIZE	ØH
RCSA13C-1	0.661	0.512	0.125	0.125	0.197	#0-80	0.571
RCSA13C-2	0.661	0.512	0.125	0.188	0.197	#0-80	0.571
RCSA13C-3	0.661	0.512	0.125	0.250	0.197	#0-80	0.571
RCSA13C-4	0.661	0.512	0.188	0.188	0.197	#0-80	0.571
RCSA13C-5	0.661	0.512	0.188	0.250	0.197	#0-80	0.571
RCSA13C-6	0.661	0.512	0.250	0.250	0.197	#0-80	0.571
RCSA16C-1	0.778	0.630	0.125	0.125	0.232	#2-56	0.709
RCSA16C-2	0.778	0.630	0.125	0.188	0.232	#2-56	0.709
RCSA16C-3	0.778	0.630	0.125	0.250	0.232	#2-56	0.709
RCSA16C-4	0.778	0.630	0.188	0.188	0.232	#2-56	0.709
RCSA16C-5	0.778	0.630	0.188	0.250	0.232	#2-56	0.709
RCSA16C-6	0.778	0.630	0.250	0.250	0.232	#2-56	0.709
RCSA16C-7	0.778	0.630	0.313	0.250	0.232	#2-56	0.709
RCSA16C-8	0.778	0.630	0.313	0.313	0.232	#2-56	0.709
RCSA20C-1	0.846	0.787	0.188	0.188	0.260	#2-56	0.858
RCSA20C-2	0.846	0.787	0.188	0.250	0.260	#2-56	0.858
RCSA20C-3	0.846	0.787	0.250	0.250	0.260	#2-56	0.858
RCSA20C-4	0.846	0.787	0.313	0.250	0.260	#2-56	0.858
RCSA20C-5	0.846	0.787	0.313	0.313	0.260	#2-56	0.858
RCSA20C-6	0.846	0.787	0.313	0.375	0.260	#2-56	0.858
RCSA20C-7	0.846	0.787	0.375	0.375	0.260	#2-56	0.858
RCSA25C-1	1.016	0.984	0.250	0.250	0.299	#4-40	1.059
RCSA25C-2	1.016	0.984	0.313	0.250	0.299	#4-40	1.059
RCSA25C-3	1.016	0.984	0.313	0.313	0.299	#4-40	1.059
RCSA25C-4	1.016	0.984	0.313	0.375	0.299	#4-40	1.059
RCSA25C-5	1.016	0.984	0.375	0.375	0.299	#4-40	1.059
RCSA25C-6	1.016	0.984	0.375	0.500	0.299	#4-40	1.059
RCSA25C-7	1.016	0.984	0.500	0.500	0.299	#4-40	1.059

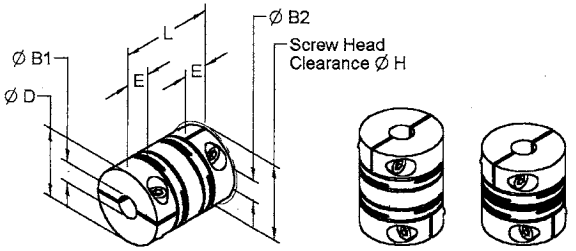
TECHNICAL FEATURES

- Zero backlash, reliable one-piece construction
- Unique design maximises torsional stiffness without including high bearing loads
- Minimal velocity and positional fluctuations
- Over 50,000,000 test cycles at test load and 80% offset without failure
- Maintenence free
- Recommended temperature range -112°F to +176°F

TECHNICAL SPECIFICATIONS

SIZE	TORSIONAL STIFFNESS OZ./IN	RADIAL COMPLIANCE IN/OZ ARCMIN	MISALIGNMENT			MAX. INERTIA OZ.IN^2	MAX. MASS OZ	TYPICAL TORQUE CAPACITY			MAX. SPEED RPM
			PARALLEL IN	ANGULAR DEG.	AXIAL IN			REVERSING IN-LB.	NONREV. IN-LB	PEAK IN-LB	
13C	1.85	.0003	.003	2.5	±.011	.006	.16	3.09	3.98	4.42	12000
16C	2.88	.0003	.004	2.5	±.015	.016	.30	4.88	7.32	11.06	10000
20C	4.74	.0003	.005	3.0	±.020	.043	.53	8.41	12.83	21.68	7500
25C	7.50	.0002	.006	3.0	±.027	.127	.97	13.72	20.80	34.32	5000





RELI-A-FLEX COUPLINGS

BORES	STYLE	MATERIAL
1/8" TO 1/2"	CLAMP, LONG	ALUMINUM 7075 ALOCROM FINISH

STOCK NO.	L	ØD	ØB1 +.002 -.000	ØB2 +.002 -.000	E	SOCKET SCREW SIZE	ØH
RCLA13C-1	0.787	0.512	0.125	0.125	0.197	#0-80	0.571
RCLA13C-2	0.787	0.512	0.125	0.188	0.197	#0-80	0.571
RCLA13C-3	0.787	0.512	0.125	0.250	0.197	#0-80	0.571
RCLA13C-4	0.787	0.512	0.188	0.188	0.197	#0-80	0.571
RCLA13C-5	0.787	0.512	0.188	0.250	0.197	#0-80	0.571
RCLA13C-6	0.787	0.512	0.250	0.250	0.197	#0-80	0.571
RCLA16C-1	0.925	0.630	0.125	0.125	0.232	#2-56	0.709
RCLA16C-2	0.925	0.630	0.125	0.188	0.232	#2-56	0.709
RCLA16C-3	0.925	0.630	0.125	0.250	0.232	#2-56	0.709
RCLA16C-4	0.925	0.630	0.188	0.188	0.232	#2-56	0.709
RCLA16C-5	0.925	0.630	0.188	0.250	0.232	#2-56	0.709
RCLA16C-6	0.925	0.630	0.250	0.250	0.232	#2-56	0.709
RCLA16C-7	0.925	0.630	0.313	0.250	0.232	#2-56	0.709
RCLA16C-8	0.925	0.630	0.313	0.313	0.232	#2-56	0.709
RCLA20C-1	1.024	0.787	0.188	0.188	0.260	#2-56	0.858
RCLA20C-2	1.024	0.787	0.188	0.250	0.260	#2-56	0.858
RCLA20C-3	1.024	0.787	0.250	0.250	0.260	#2-56	0.858
RCLA20C-4	1.024	0.787	0.313	0.250	0.260	#2-56	0.858
RCLA20C-5	1.024	0.787	0.313	0.313	0.260	#2-56	0.858
RCLA20C-6	1.024	0.787	0.313	0.375	0.260	#2-56	0.858
RCLA20C-7	1.024	0.787	0.375	0.375	0.260	#2-56	0.858
RCLA25C-1	1.339	0.984	0.250	0.250	0.299	#4-40	1.059
RCLA25C-2	1.339	0.984	0.313	0.250	0.299	#4-40	1.059
RCLA25C-3	1.339	0.984	0.313	0.313	0.299	#4-40	1.059
RCLA25C-4	1.339	0.984	0.313	0.375	0.299	#4-40	1.059
RCLA25C-5	1.339	0.984	0.375	0.375	0.299	#4-40	1.059
RCLA25C-6	1.339	0.984	0.375	0.500	0.299	#4-40	1.059
RCLA25C-7	1.339	0.984	0.500	0.500	0.299	#4-40	1.059

TECHNICAL FEATURES

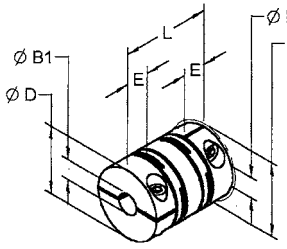
- Zero backlash, reliable one-piece construction
- Unique design maximises torsional stiffness without including high bearing loads
- Minimal velocity and positional fluctuations
- Over 50,000,000 test cycles at test load and 80% offset without failure
- Maintenence free
- Recommended temperature range -112°F to +176°F

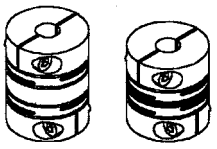
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TECHNICAL SPECIFICATIONS

SIZE	TORSIONAL STIFFNESS OZ./IN	RADIAL COMPLIANCE IN/OZ ARCMIN	MISALIGNMENT			MAX. INERTIA OZ.IN^2	MAX. MASS OZ	TYPICAL TORQUE CAPACITY			MAX. SPEED RPM
			PARALLEL IN	ANGULAR DEG.	AXIAL IN			REVERSING IN-LB.	NONREV. IN-LB	PEAK IN-LB	
13C	2.20	.0007	.006	2.5	±.011	.007	.19	3.09	3.98	4.42	12000
16C	3.46	.0007	.007	2.5	±.015	.018	.37	4.88	7.32	11.06	10000
20C	5.73	.0007	.009	3.0	±.020	.050	.66	8.41	12.83	21.68	7500
25C	9.35	.0009	.015	3.0	±.027	.171	1.36	13.72	20.80	34.32	5000







RELI-A-FLEX COUPLINGS

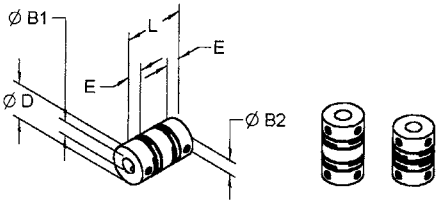
BORES	STYLE	MATERIAL
3/32" TO 1/2"	SET SCREW, SHORT	ALUMINUM 7075 ALOCROM FINISH

STOCK NO.	L	ØD	ØB1 +.002 -.000	ØB2 +.002 -.000	E	SET SCREW SIZE
RCSA6-1	0.368	0.236	0.094	0.094	0.110	#0-80
RCSA6-2	0.368	0.236	0.094	0.125	0.110	#0-80
RCSA6-3	0.368	0.236	0.125	0.125	0.110	#0-80
RCSA8-1	0.461	0.315	0.094	0.094	0.1259	#0-80
RCSA8-2	0.461	0.315	0.094	0.125	0.1259	#0-80
RCSA8-3	0.461	0.315	0.125	0.125	0.1259	#0-80
RCSA10-1	0.537	0.394	0.094	0.094	0.1574	#0-80
RCSA10-2	0.537	0.394	0.094	0.125	0.1574	#0-80
RCSA10-3	0.537	0.394	0.125	0.125	0.1574	#2-56
RCSA10-4	0.537	0.394	0.125	0.188	0.1574	#2-56
RCSA10-5	0.537	0.394	0.188	0.188	0.1574	#4-40
RCSA13-1	0.661	0.512	0.125	0.125	0.1968	#2-56
RCSA13-2	0.661	0.512	0.125	0.188	0.1968	#2-56
RCSA13-3	0.661	0.512	0.125	0.250	0.1968	#2-56
RCSA13-4	0.661	0.512	0.188	0.188	0.1968	#4-40
RCSA13-5	0.661	0.512	0.188	0.250	0.1968	#4-40
RCSA13-6	0.661	0.512	0.250	0.250	0.1968	#6-32
RCSA16-1	0.778	0.630	0.125	0.125	0.2322	#2-56
RCSA16-2	0.778	0.630	0.125	0.188	0.2322	#2-56
RCSA16-3	0.778	0.630	0.125	0.250	0.2322	#2-56
RCSA16-4	0.778	0.630	0.125	0.313	0.2322	#2-56
RCSA16-5	0.778	0.630	0.188	0.188	0.2322	#4-40
RCSA16-6	0.778	0.630	0.188	0.250	0.2322	#4-40
RCSA16-7	0.778	0.630	0.188	0.313	0.2322	#4-40
RCSA16-8	0.778	0.630	0.250	0.250	0.2322	#6-32
RCSA16-9	0.778	0.630	0.250	0.313	0.2322	#6-32
RCSA16-10	0.778	0.630	0.313	0.313	0.2322	#8-32
RCSA20-1	0.846	0.787	0.188	0.188	0.2598	#4-40
RCSA20-2	0.846	0.787	0.188	0.250	0.2598	#4-40
RCSA20-3	0.846	0.787	0.188	0.313	0.2598	#4-40
RCSA20-4	0.846	0.787	0.250	0.250	0.2598	#6-32
RCSA20-5	0.846	0.787	0.250	0.313	0.2598	#6-32
RCSA20-6	0.846	0.787	0.313	0.313	0.2598	#8-32
RCSA20-7	0.846	0.787	0.313	0.375	0.2598	#8-32
RCSA20-8	0.846	0.787	0.375	0.375	0.2598	#10-32
RCSA25-1	1.016	0.984	0.250	0.250	0.3385	#6-32
RCSA25-2	1.016	0.984	0.250	0.313	0.3385	#6-32
RCSA25-3	1.016	0.984	0.250	0.375	0.3385	#6-32
RCSA25-4	1.016	0.984	0.250	0.500	0.3385	#6-32
RCSA25-5	1.016	0.984	0.313	0.313	0.3385	#8-32
RCSA25-6	1.016	0.984	0.313	0.375	0.3385	#8-32
RCSA25-7	1.016	0.984	0.313	0.500	0.3385	#8-32
RCSA25-8	1.016	0.984	0.375	0.375	0.3385	#10-32
RCSA25-9	1.016	0.984	0.375	0.500	0.3385	#10-32
RCSA25-10	1.016	0.984	0.500	0.500	0.3385	#1/4-20

TECHNICAL FEATURES

- Zero backlash, reliable one-piece construction
- Unique design maximises torsional stiffness without including high bearing loads
- Minimal velocity and positional fluctuations
- Over 50,000,000 test cycles at test load and 80% offset without failure
- Maintenence free
- Recommended temperature range -112°F to +176°F





TECHNICAL SPECIFICATIONS

SIZE	TORSIONAL STIFFNESS OZ./IN	RADIAL COMPLIANCE IN/OZ ARCMIN	MISALIGNMENT			MAX. INERTIA OZ.IN^2	MAX. MASS OZ	TYPICAL TORQUE CAPACITY			MAX. SPEED RPM
			PARALLEL IN	ANGULAR DEG.	AXIAL IN			REVERSING IN-LB.	NONREV. IN-LB	PEAK IN-LB	
6	.172	2.3 X 10^{-4}	7.8 X 10^{-4}	1.7	±2.3 X 10^{-3}	1.6 X 10^{-4}	.023	.88	1.32	2.21	7000
8	.358	3.8 X 10^{-4}	1.9 X 10^{-3}	2.0	±3.9 X 10^{-3}	6.0 X 10^{-4}	.046	1.77	2.65	4.43	40000
10	.692	3.0 X 10^{-4}	2.3 X 10^{-3}	2.0	±6.7 X 10^{-3}	1.8 X 10^{-3}	.082	2.65	3.98	6.63	35000

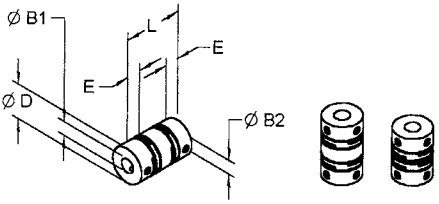
RELI-A-FLEX COUPLINGS

BORES	STYLE	MATERIAL
3/32" TO 1/2"	SET SCREW, LONG	ALUMINUM 7075 ALOCROM FINISH

STOCK NO.	L	ØD	ØB1 +.002 -.000	ØB2 +.002 -.000	E	SET SCREW SIZE
RCLA6-1	0.492	0.236	0.094	0.094	0.110	#0-80
RCLA6-2	0.492	0.236	0.094	0.125	0.110	#0-80
RCLA6-3	0.492	0.236	0.125	0.125	0.110	#0-80
RCLA8-1	0.571	0.315	0.094	0.094	0.1259	#0-80
RCLA8-2	0.571	0.315	0.094	0.125	0.1259	#0-80
RCLA8-3	0.571	0.315	0.125	0.125	0.1259	#0-80
RCLA10-1	0.669	0.394	0.094	0.094	0.1574	#0-80
RCLA10-2	0.669	0.394	0.094	0.125	0.1574	#0-80
RCLA10-3	0.669	0.394	0.125	0.125	0.1574	#2-56
RCLA10-4	0.669	0.394	0.125	0.188	0.1574	#2-56
RCLA10-5	0.669	0.394	0.188	0.188	0.1574	#4-40
RCLA13-1	0.787	0.512	0.125	0.125	0.1968	#2-56
RCLA13-2	0.787	0.512	0.125	0.188	0.1968	#2-56
RCLA13-3	0.787	0.512	0.125	0.250	0.1968	#2-56
RCLA13-4	0.787	0.512	0.188	0.188	0.1968	#4-40
RCLA13-5	0.787	0.512	0.188	0.250	0.1968	#4-40
RCLA13-6	0.787	0.512	0.250	0.250	0.1968	#6-32
RCLA16-1	0.925	0.630	0.125	0.125	0.2322	#2-56
RCLA16-2	0.925	0.630	0.125	0.188	0.2322	#2-56
RCLA16-3	0.925	0.630	0.125	0.250	0.2322	#2-56
RCLA16-4	0.925	0.630	0.125	0.313	0.2322	#2-56
RCLA16-5	0.925	0.630	0.188	0.188	0.2322	#4-40
RCLA16-6	0.925	0.630	0.188	0.250	0.2322	#4-40
RCLA16-7	0.925	0.630	0.188	0.313	0.2322	#4-40
RCLA16-8	0.925	0.630	0.250	0.250	0.2322	#6-32
RCLA16-9	0.925	0.630	0.250	0.313	0.2322	#6-32
RCLA16-10	0.925	0.630	0.313	0.313	0.2322	#8-32
RCLA20-1	1.024	0.787	0.188	0.188	0.2598	#4-40
RCLA20-2	1.024	0.787	0.188	0.250	0.2598	#4-40
RCLA20-3	1.024	0.787	0.188	0.313	0.2598	#4-40
RCLA20-4	1.024	0.787	0.250	0.250	0.2598	#6-32
RCLA20-5	1.024	0.787	0.250	0.313	0.2598	#6-32
RCLA20-6	1.024	0.787	0.313	0.313	0.2598	#8-32
RCLA20-7	1.024	0.787	0.313	0.375	0.2598	#8-32
RCLA20-8	1.024	0.787	0.375	0.375	0.2598	#10-32
RCLA25-1	1.339	0.984	0.250	0.250	0.3385	#6-32
RCLA25-2	1.339	0.984	0.250	0.313	0.3385	#6-32
RCLA25-3	1.339	0.984	0.250	0.375	0.3385	#6-32
RCLA25-4	1.339	0.984	0.250	0.500	0.3385	#6-32
RCLA25-5	1.339	0.984	0.313	0.313	0.3385	#8-32
RCLA25-6	1.339	0.984	0.313	0.375	0.3385	#8-32
RCLA25-7	1.339	0.984	0.313	0.500	0.3385	#8-32
RCLA25-8	1.339	0.984	0.375	0.375	0.3385	#10-32
RCLA25-9	1.339	0.984	0.375	0.500	0.3385	#10-32
RCLA25-10	1.339	0.984	0.500	0.500	0.3385	#1/4-20

TECHNICAL FEATURES
- Zero backlash, reliable one-piece construction
- Unique design maximises torsional stiffness without including high bearing loads
- Minimal velocity and positional fluctuations
- Over 50,000,000 test cycles at test load and 80% offset without failure
- Maintenence free
- Recommended temperature range -112°F to +176°F





TECHNICAL SPECIFICATIONS

SIZE	TORSIONAL STIFFNESS OZ./IN ARCMIN	RADIAL COMPLIANCE IN/OZ	MISALIGNMENT			MAX. INERTIA OZ.IN2	MAX. MASS OZ	TYPICAL TORQUE CAPACITY			MAX. SPEED RPM
			PARALLEL IN	ANGULAR DEG.	AXIAL IN			REVERSING IN-LB.	NONREV. IN-LB	PEAK IN-LB	
6	.177	8.6×10^{-4}	1.5×10^{-3}	1.7	$\pm 2.3 \times 10^{-3}$	2.7×10^{-4}	.034	.88	1.32	2.21	32000
8	.358	1.1×10^{-3}	3.9×10^{-3}	2.0	$\pm 3.9 \times 10^{-3}$	8.2×10^{-4}	.060	1.77	2.65	4.43	24000
10	.692	9.0×10^{-4}	4.7×10^{-3}	2.0	$\pm 6.7 \times 10^{-3}$	2.3×10^{-3}	.106	2.65	3.98	6.63	22000

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FLEX-THANE COUPLINGS

BORES	FOR GEAR PITCH	MATERIAL
1/8" TO 1/2"	32	MOLDED POLYURETHANE WITH 303 STAINLESS STEEL HUBS

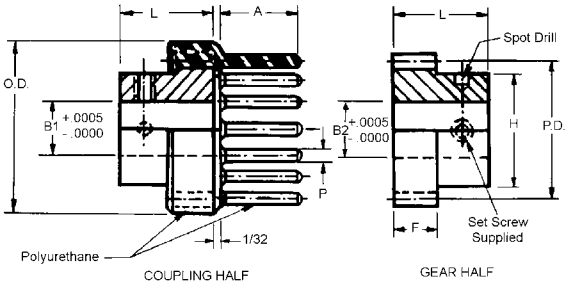
STOCK NO.	B1	B2	H	L	F	NO. OF PINS	P.D.	MAXIMUM MISALIGNMENT		APPROX. MAX TORQUE	A	P	O.D.
								LATERAL	ANGULAR				
CC4-S14 CC4-S21	.1248 .1873	.1248 .1873	5/16 3/8	3/8 13/32	3/16	24	.750	1/32	15°	100 in.oz.	3/8	.049	15/16

BORES	FOR GEAR PITCH	MATERIAL
1/8" TO 1/2"	24	MOLDED POLYURETHANE WITH 303 STAINLESS STEEL HUBS

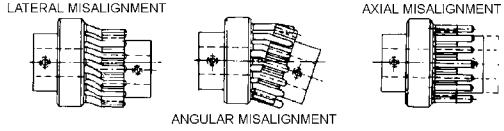
STOCK NO.	B1	B2	H	L	F	NO. OF PINS	P.D.	MAXIMUM MISALIGNMENT		APPROX. MAX TORQUE	A	P	O.D.
								LATERAL	ANGULAR				
CC4-S28 CC4-S32	.2498 .3123	.2498 .3123	1/2	7/16	3/16	24	1.000	1/16	15°	300 in.oz.	1/2	.065	1-3/16

BORES	FOR GEAR PITCH	MATERIAL
1/8" TO 1/2"	16	MOLDED POLYURETHANE WITH 303 STAINLESS STEEL HUBS

STOCK NO.	B1	B2	H	L	F	NO. OF PINS	P.D.	MAXIMUM MISALIGNMENT		APPROX. MAX TORQUE	A	P	O.D.
								LATERAL	ANGULAR				
CC4-S35 CC4-S37	.3748 .4998	.3748 .4998	3/4 1	7/8	3/8	20	1.250	1/8	15°	500 in.oz.	3/4	.098	1-1/2







Other bore sizes and combinations are available.

ABSORBATHANE FLEXIBLE COUPLINGS

BORE	STYLE	MATERIAL
3/16" TO 3/8"	EXTERNAL HUB	BLACK POLYURETHANE PLATED MILD STEEL HUB

STOCK NO.	BORES B1 AND B2	A	C	D	MAX. WORKING TORQUE lb-in	MAX. PARALLEL MISALIGN	MAX. ANGULAR MISALIGN
CC3-10 CC3-11 CC3-12 CC3-13	3/16 1/4 5/16 3/8	1-1/8	1-1/8	11/16	3	3/32	10°

BORE	STYLE	MATERIAL
1/4" TO 7/16"	INTERNAL HUB	BLACK POLYURETHANE PLATED MILD STEEL HUB

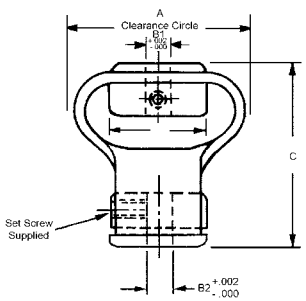
STOCK NO.	BORES 1 AND B2	A	C	D	MAX. WORKING TORQUE lb-in	MAX. PARALLEL MISALIGN	MAX. ANGULAR MISALIGN
CC3-1 CC3-2 CC3-3 CC3-14 CC3-5	1/4 5/16 3/8 7/16 1/2	1-7/8	1-3/4	1	12	1/8	15°

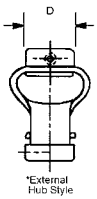
BORE	STYLE	MATERIAL
1/2" TO 5/8"	INTERNAL HUB	BLACK POLYURETHANE PLATED MILD STEEL HUB

STOCK NO.	BORES B1 AND B2	A	C	D	MAX. WORKING TORQUE lb-in	MAX. PARALLEL MISALIGN	MAX. ANGULAR MISALIGN
CC3-4 CC3-15 CC3-6 CC3-16 CC3-8	3/8 7/16 1/2 9/16 5/8	2-1/8	2-1/4	1-1/4	28	3/16	15°

BORE	STYLE	MATERIAL
1/2" TO 5/8"	INTERNAL HUB	BLACK POLYURETHANE PLATED MILD STEEL HUB

STOCK NO.	BORES 1 AND B2	A	C	D	MAX. WORKING TORQUE lb-in	MAX. PARALLEL MISALIGN	MAX. ANGULAR MISALIGN
CC3-7 CC3-17 CC3-9	1/2 9/16 5/8	2-1/8	2-3/8	1-1/4	40	1/8	15°





Available on request:
Other bore sizes or bore combinations.

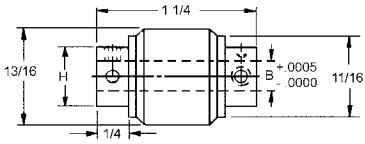
- Absorbs end play
- Quiet running
- Maintenance free (No moving parts)
- 3600 R.P.M. Maximum

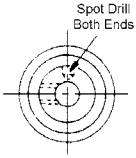


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NEO-FLEX COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .3748	PIN HUB	303 STAINLESS STEEL HUB MOLDED NEOPRENE BODY



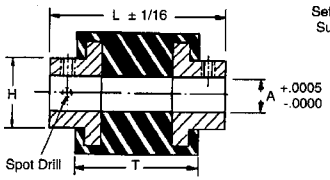


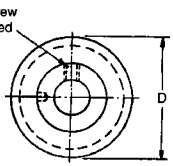


STOCK NO.	B	H	SET SCREW	SPOT DRILL
CO14-7	.1200 .1248	5/16 5/16	#2-56 #2-56	#69 #69
CO14-10	.1200 .1873	5/16 3/8	#2-56 #4-40	#69 #60
CO14-9	.1200 .2498	5/16 1/2	#2-56 #6-32	#69 #50
CO14-1	.1248 .1248	5/16 5/16	#2-56 #2-56	#69 #69
CO14-4	.1248 .1873	5/16 3/8	#2-56 #4-40	#69 #60
CO14-5	.1248 .2498	5/16 1/2	#2-56 #6-32	#69 #50
CO14-8	.1562 .1873	5/16 3/8	#2-56 #4-40	#69 #60
CO14-2	.1873 .1873	3/8 3/8	#4-40 #4-40	#60 #60
CO14-6	.1873 .2498	3/8 1/2	#4-40 #6-32	#60 #50
CO14-3	.2498 .2498	1/2 1/2	#6-32 #6-32	#50 #50
CO14-11	.3123 .3123	1/2 1/2	#6-32 #6-32	#50 #50
CO14-12	.3748 .3748	5/8 5/8	#8-32 #8-32	#31 #31

- Isolates torsional vibration
- Insulates between shafts
- 1° angular misalignment (Max.)
- .005 Shaft misalignment (Max.)
- Maximum working torque 9 in-lb

BORE	STYLE	MATERIAL
.1873 TO .4998	PIN HUB	303 STAINLESS STEEL HUB POLYURETHANE BODY





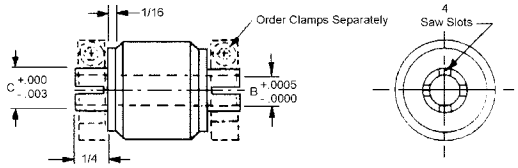


STOCK NO.	A	H	D	L	T
CC1-3	.1873	3/8	15/16	1-1/4	3/4
CC1-14	.2498	5/8	1-1/8	1-9/16	15/16
CC1-15	.3123	5/8	1-1/8	1-9/16	15/16
CC1-16	.3748	5/8	1-1/8	1-9/16	15/16
CC1-8	.4998	1	1-5/8	2-1/4	1-3/8

Combination bores are available on request.

NEO-FLEX COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .3748	CLAMP	303 STAINLESS STEEL HUB MOLDED NEOPRENE BODY

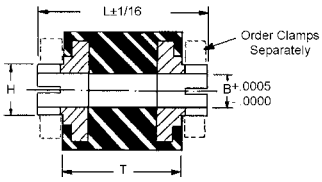


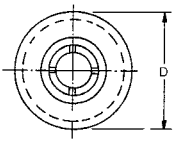
STOCK NO.	B	C	CLAMP STOCK NO.
CO15-7	.1200 .1248	.187 .187	CG1-25 CG1-25
CO15-10	.1200 .1873	.187 .250	CG1-25 CG1-9
CO15-9	.1200 .2498	.187 .312	CG1-25 CG1-12
CO15-1	.1248 .1248	.187 .187	CG1-25 CG1-25
CO15-4	.1248 .1873	.187 .250	CG1-25 CG1-9
CO15-5	.1248 .2498	.187 .312	CG1-25 CG1-12
CO15-8	.1562 .1873	.250 .250	CG1-9 CG1-9
CO15-2	.1873 .1873	.250 .250	CG1-9 CG1-9
CO15-6	.1873 .2498	.250 .312	CG1-9 CG1-12
CO15-3	.2498 .2498	.312 .312	CG1-12 CG1-12
CO15-11	.3123 .3123	.375 .375	CG1-14 CG1-14
CO15-12	.3748 .3748	.437 .437	CG1-17 CG1-17

- Isolates torsional vibration
- Insulates between shafts
- 1° angular misalignment (Max.)
- .005 Shaft misalignment (Max.)
- Maximum working torque 9 in-lb

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BORE	STYLE	MATERIAL
.1873 TO .4998	CLAMP	303 STAINLESS STEEL HUB POLYURETHANE BODY





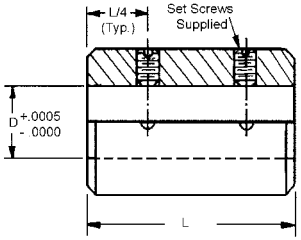


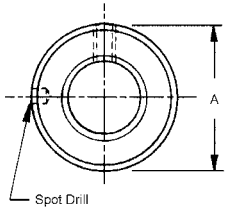
STOCK NO.	B	C	D	L	T
CC2-3	.1873	1/4	15/16	1-1/4	3/4
CC2-14	.2498	5/16	1-1/8	1-9/16	15/16
CC2-5*	.3123	3/8	1-1/8	1-1/4	7/8
CC2-15	.3123	3/8	1-1/8	1-9/16	15/16
CC2-16	.3748	7/16	1-1/8	1-9/16	15/16
CC2-8	.4998	9/16	1-5/8	2	1-3/8

* Limited supply available.
Combination bores are available on request.

SLEEVE COUPLINGS

BORE	STYLE	MATERIAL
.0779 TO .9998	SET SCREW	303 STAINLESS STEEL







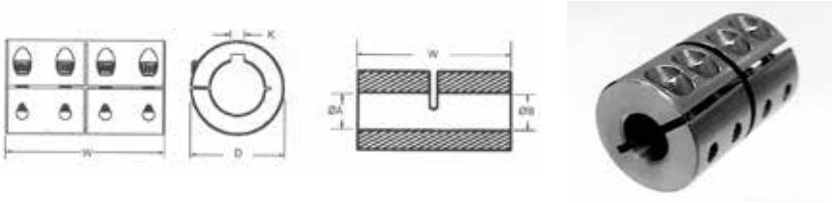
STOCK NO.	SHAFT SIZE	D	L	A	SPOT DRILL	SET SCREW
CT-14	5/64	.0779	3/8	7/32	#78	#0-80
CT-15	3/32	.0935	3/8	1/4	#78	#0-80
CT-1	1/8	.1248	7/16	5/16	#69	#2-56
CT-2	3/16	.1873	1/2	3/8	#60	#4-40
CT-3	1/4	.2498	9/16	1/2	#50	#6-32
CT-4	5/16	.3123	9/16	1/2	#50	#6-32
CT-22	3/8	.3748	3/4	3/4	#31	#10-32
CT-5	3/8	.3748	1	3/4	#31	#10-24
CT-23	1/2	.4998	1	1	#25	1/4-20
CT-6	1/2	.4998	1-1/2	1	#25	1/4-20
CT-7	5/8	.6248	2	1-1/4	#25	1/4-20
CT-8	3/4	.7498	2	1-1/2	#22	3/8-16
CT-9	1	.9998	3	2	#22	3/8-16
CT-10	1/8 to .1200	.1248 .1200	7/16	1/4	#69	#2-56
CT-16	1/8 to 5/32	.1248 .1562	7/16	1/4	#69	#2-56
CT-11	1/8 to 3/16	.1248 .1873	1/2	3/8	#69 #60	#2-56 #4-40
CT-12	1/8 to 1/4	.1248 .2498	9/16	1/2	#69 #50	#2-56 #6-32
CT-17	3/16 to .2405	.1873 .2405	1/2	3/8	#60 #50	#4-40 #6-32
CT-13	3/16 to 1/4	.1873 .2498	9/16	1/2	#60 #50	#4-40 #6-32
CT-18	1/4 to 5/16	.2498 .3123	9/16	9/16	#50	#6-32
CT-19	1/4 to 3/8	.2498 .3748	3/4	3/4	#50 #31	#6-32 #10-32
CT-20	5/16 to 3/8	.3123 .3748	3/4	3/4	#50 #31	#6-32 #10-32
CT-21	3/8 to 1/2	.3748 .4998	1	1	#31 #25	#10-32 1/4-20

Modified or specials are available on request.

SPLIT SLEEVE COUPLINGS

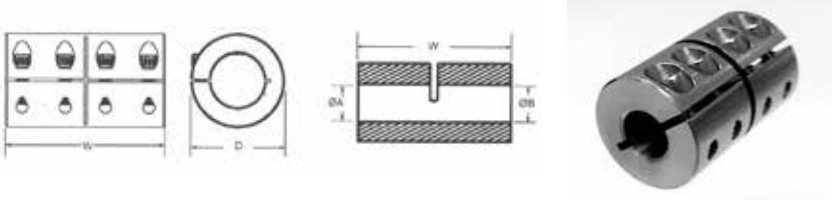
BORE	DESCRIPTION	MATERIAL
3/8" TO 1-1/4"	ONE-PIECE CONSTRUCTION WITH KEYWAY	303 STAINLESS STEEL

STOCK NO.	A +.002 - .000	B +.002 - .000	O.D. (D)	W	K	RECOMMENDED MAX. SCREW TORQUE IN./LBS.	
						ALLOY STEEL	STAINLESS STEEL
CLC-6-6-SS	.375	.375	7/8	1-3/8	3/32	28	15
CLC-8-8-SS	.500	.500	1-1/8	1-3/4	1/8	49	28
CLC-10-10-SS	.625	.625	1-5/16	2	3/16	76	45
CLC-12-12-SS	.750	.750	1-1/2	2-1/4	3/16	170	110
CLC-14-14-SS	.875	.875	1-5/8	2-1/2	3/16	170	110
CLC-16-16-SS	1.000	1.000	1-3/4	3	1/4	170	110
CLC-18-18-SS	1.125	1.125	1-7/8	3-1/8	1/4	170	110
CLC-20-20-SS	1.250	1.250	2-1/16	3-1/4	1/4	170	110



BORE	DESCRIPTION	MATERIAL
1/4" TO 1-1/4"	ONE-PIECE CONSTRUCTION WITHOUT KEYWAY	303 STAINLESS STEEL

STOCK NO.	A +.002 - .000	B +.002 - .000	O.D. (D)	W	RECOMMENDED MAX. SCREW TORQUE IN./LBS.	
					ALLOY STEEL	STAINLESS STEEL
CLX-4-4-SS	.250	.250	5/8	1	15	8
CLX-6-6-SS	.375	.375	7/8	1-3/8	28	15
CLX-8-8-SS	.500	.500	1-1/8	1-3/4	49	28
CLX-10-10-SS	.625	.625	1-5/16	2	76	45
CLX-12-12-SS	.750	.750	1-1/2	2-1/4	170	110
CLX-14-14-SS	.875	.875	1-5/8	2-1/2	170	110
CLX-16-16-SS	1.000	1.000	1-3/4	3	170	110
CLX-18-18-SS	1.125	1.125	1-7/8	3-1/8	170	110
CLX-20-20-SS	1.250	1.250	2-1/16	3-1/4	170	110



SPLIT SLEEVE COUPLINGS

BORE	DESCRIPTION	MATERIAL
3/8" TO 1-1/4"	ONE-PIECE CONSTRUCTION WITHOUT KEYWAYS	303 STAINLESS STEEL

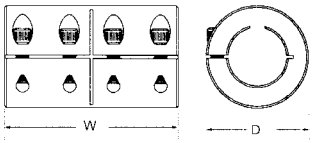
STOCK NO.	A +.002 - .000	B +.002 - .000	O.D. (D)	LENGTH (W)	FORGED CLAMP SCREW
CLX-6-4-SS	.375	.250	7/8	1-3/8	6-32x3/8
CLX-8-6-SS	.500	.375	1-1/8	1-3/4	8-32x1/2
CLX-10-8-SS	.625	.500	1-5/16	2-1/4	10-32x1/2
CLX-12-10-SS	.750	.625	1-5/8	2-1/2	1/4-28x5/8
CLX-14-12-SS	.875	.750	1-5/8	2-1/2	1/4-28x5/8
CLX-16-12-SS	1.000	.750	1-3/4	3	1/4-28x11/16
CLX-16-14-SS	1.000	.875	1-3/4	3	1/4-28x11/16
CLX-18-16-SS	1.125	1.000	1-7/8	3-1/8	1/4-28x11/16
CLX-20-16-SS	1.250	1.000	2-1/16	3-1/4	1/4-28x3/4

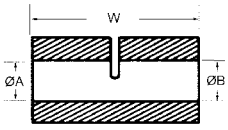
BORE	DESCRIPTION	MATERIAL
3/8" TO 1-1/4"	TWO-PIECE CONSTRUCTION WITHOUT KEYWAYS	303 STAINLESS STEEL

STOCK NO.	A +.002 - .000	B +.002 - .000	O.D. (D)	LENGTH (W)	FORGED CLAMP SCREW
SPX-6-4-SS	.375	.250	7/8	1-3/8	6-32x3/8
SPX-8-6-SS	.500	.375	1-1/8	1-3/4	8-32x1/2
SPX-10-8-SS	.625	.500	1-5/16	2-1/4	10-32x1/2
SPX-12-10-SS	.750	.625	1-5/8	2-1/2	1/4-28x5/8
SPX-14-12-SS	.875	.750	1-5/8	2-1/2	1/4-28x5/8
SPX-16-12-SS	1.000	.750	1-3/4	3	1/4-28x11/16
SPX-16-14-SS	1.000	.875	1-3/4	3	1/4-28x11/16
SPX-18-16-SS	1.125	1.000	1-7/8	3-1/8	1/4-28x11/16
SPX-20-16-SS	1.250	1.000	2-1/16	3-1/4	1/4-28x3/4

BORE	DESCRIPTION	MATERIAL
3/8" TO 1-1/4"	TWO-PIECE CONSTRUCTION WITH KEYWAYS	303 STAINLESS STEEL

STOCK NO.	A +.002 - .000	B +.002 - .000	O.D. (D)	LENGTH (W)	KEYWAY A	KEYWAY B	FORGED CLAMP SCREW
SPC-6-4-SS	.375	.250	7/8	1-3/8	3/32	N/A	6-32x3/8
SPC-8-6-SS	.500	.375	1-1/8	1-3/4	1/8	3/32	8-32x1/2
SPC-10-8-SS	.625	.500	1-5/16	2-1/4	3/16	1/8	10-32x1/2
SPC-12-10-SS	.750	.625	1-5/8	2-1/2	3/16	3/16	1/4-28x5/8
SPC-14-12-SS	.875	.750	1-5/8	2-1/2	3/16	3/16	1/4-28x5/8
SPC-16-12-SS	1.000	.750	1-3/4	3	1/4	3/16	1/4-28x11/16
SPC-16-14-SS	1.000	.875	1-3/4	3	1/4	3/16	1/4-28x11/16
SPC-18-16-SS	1.125	1.000	1-7/8	3-1/8	1/4	1/4	1/4-28x11/16
SPC-20-16-SS	1.250	1.000	2-1/16	3-1/4	1/4	1/4	1/4-28x3/4

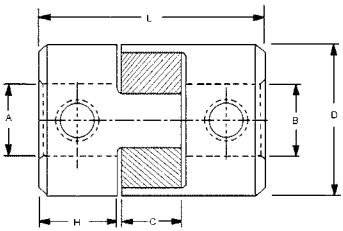






SPIDER COUPLINGS

BORE	DESCRIPTION	MATERIAL
1/8" TO 1/2"	SOFT 80 DURO SPIDER	ALUMINUM HUBS POLYURETHANE SPIDER



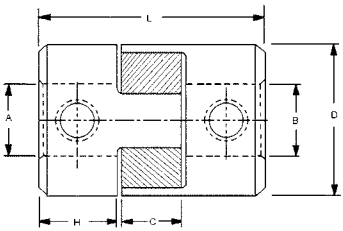


- Torsional rigidity
- Contoured and machined components for quick assembly and minimum wear over extended use. Components assembled with pre-load.
- Bearing protection from parallel and angular misalignment
- Allowance for axial shaft float
- Small size, low WR, electrical isolation and light weight aluminum hubs.

Other bore sizes and combinations are available on request.
Clamp style couplings are available on request.

STOCK NO.	A +.002 -.000	B +.002 -.000	D	H	L	C	MISALIGNMENT		MAXIMUM TORQUE in-lb.	SET SCREW
							PARALLEL IN.	ANGULAR DEG.		
CO46-1A CO46-2A	.125 .187	.125 .187	.394	.20	.59	.16	.031	1°	2.6	#2-56 #4-40
CO47-1A CO47-2A CO47-3A	.125 .187 .250	.125 .187 .250	.551	.28	.87	.24	.047	1°	12	#2-56 #4-40 #6-32
CO48-1A CO48-2A CO48-3A	.250 .312 .375	.250 .312 .375	.787	.39	1.18	.32	.062	1°	32	#6-32 #8-32 #10-32
CO49-1A CO49-2A CO49-3A	.312 .375 .500	.312 .375 .500	1.18	.43	1.36	.39	.078	1°	70	#8-32 #10-32 1/4-20

BORE	DESCRIPTION	MATERIAL
1/8" TO 1/2"	RIGID 98 DURO SPIDER	ALUMINUM HUBS POLYURETHANE SPIDER





- Torsional rigidity
- Contoured and machined components for quick assembly and minimum wear over extended use. Components assembled with pre-load.
- Bearing protection from parallel and angular misalignment
- Allowance for axial shaft float
- Small size, low WR, electrical isolation and light weight aluminum hubs.

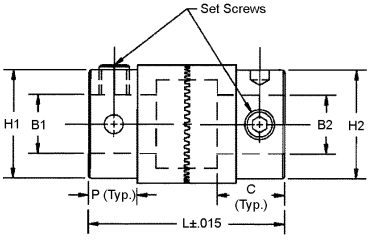
Other bore sizes and combinations are available on request.
Clamp style couplings are available on request.

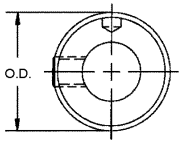
STOCK NO.	A +.002 -.000	B +.002 -.000	D	H	L	C	MISALIGNMENT		MAXIMUM TORQUE in-lb.	SET SCREW
							PARALLEL IN.	ANGULAR DEG.		
CO46-1B CO46-2B	.125 .187	.125 .187	.394	.20	.59	.16	.031	1°	8.6	#2-56 #4-40
CO47-1B CO47-2B CO47-3B	.125 .187 .250	.125 .187 .250	.551	.28	.87	.24	.047	1°	34	#2-56 #4-40 #6-32
CO48-1B CO48-2B CO48-3B	.250 .312 .375	.250 .312 .375	.787	.39	1.18	.32	.062	1°	86	#6-32 #8-32 #10-32
CO49-1B CO49-2B CO49-3B	.312 .375 .500	.312 .375 .500	1.18	.43	1.36	.39	.078	1°	220	#8-32 #10-32 1/4-20

MULTI-JAW COUPLINGS

BORE	MATERIAL
.1200 TO .4998	303 STAINLESS STEEL

STOCK NO.	B1 +.0005 -.0000	B2 +.0005 -.0000	H1	H2	L	C	P	OUTSIDE DIA.	NO. OF TEETH	MAX. TORQUE
CM3-4	.1200	.1200	.31	.31	.79	.21	.22	17/32	32	300 OZ. IN.
CM3-5	.1200	.1248	.31	.31						
CM3-1	.1248	.1248	.31	.31						
CM3-6	.1248	.1873	.31	.37						
CM3-7	.1248	.2498	.37	.50						
CM3-2	.1873	.1873	.37	.37						
CM3-8	.1873	.2498	.50	.50						
CM3-3	.2498	.2498	.50	.50	.87	.21	.25	3/4	48	500 OZ. IN.
CM1-15	.1200	.1248	.31	.31						
CM1-2	.1248	.1248	.31	.31						
CM1-16	.1248	.1873	.31	.37						
CM1-17	.1248	.2498	.31	.50						
CM1-3	.1873	.1873	.37	.37						
CM1-18	.1873	.2498	.37	.50						
CM1-4	.2498	.2498	.50	.50						
CM1-5	.3123	.3123	.50	.50						
CM1-6	.3748	.3748	.68	.68	1.25	.43	.31			
CM1-8	.4998	.4998	.93	.93	1.50	.56	43	1	64	900

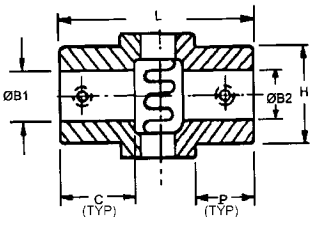


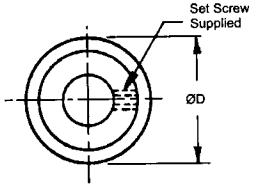




BORE	MATERIAL
3/16" TO 1/2"	COLD ROLLED STEEL

STOCK NO.	B1 +.0005 -.0000	B2 +.0005 -.0000	O.D.	L	C	H	P	NO. OF TEETH	MAX. TORQUE
CM2-3	3/16	3/16	1/2	1-1/8	1/2	.43	7/16	10	400 OZ. IN.
CM2-4	1/4	1/4	1/2	1-1/8	1/2	.43	7/16	10	400 OZ. IN.
CM2-5	5/16	5/16	3/4	1-1/2	5/8	.68	33/34	10	650 OZ. IN.
CM2-6	3/8	3/8	3/4	1-1/2	5/8	.68	33/64	10	650 OZ. IN.
CM2-8	1/2	1/2	1	2	7/8	.93	3/4	12	1100 OZ. IN.

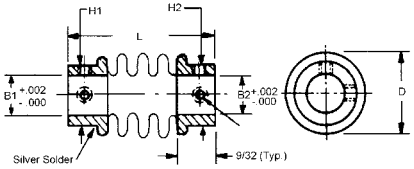






BELLOWS COUPLINGS

BORE	STYLE	MATERIAL
.128 TO .503	PIN HUB	303 STAINLESS STEEL HUB 321 STAINLESS STEEL BELLOWS

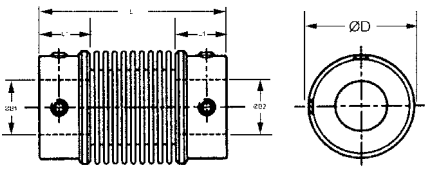




STOCK NO.	SHAFT SIZE	BORES B1& B2	D	L	H1 & H2	MAXIMUM RATED TORQUE Oz. In.	MAXIMUM ANGULAR MISALIGNMENT	MAXIMUM PARALLEL MISALIGNMENT
CO4-2	1/8	.128	1/2	63/64	.46	40	4°	.027
CO4-3	3/16	.190			.46	55	6°	.012
CO4-4	1/4	.253			.46	105	7°	.017
CO4-5	5/16	.315	3/4	1-5/64	.55	115	7°	.017
CO4-6	3/8	.378			.61	150	5°	.015
CO4-8	1/2	.503			.80	175	5°	.025

- Eliminates end play
- Zero backlash
- Provides uniform angular velocity
- Absorbs vibration, noise and shock

BORE	STYLE	MATERIAL
.128 TO .503	PIN HUB	HUBS AND SPACER - ALUMINUM 2011T3 ANODIZED BELLOWS - SPRING STAINLESS STEEL JOINT ASSEMBLY - COPPER C 106, ZINC PLATE, BLACK CHROMATE TEMPERATURE RANGE -40°C TO +120°C





Peak Torque: Select a size where peak torque exceeds the application torque x service factor.

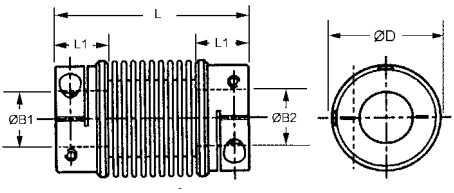
STOCK NO.	L	ØB1,ØB2 +.002 -.000	ØD	L1	PEAK TORQUE (± in/lb)	MAXIMUM MISALIGNMENT ANGULAR (± degree)	RADIAL (± in)	AXIAL (± in)
CO5H-1	1.70	.187	1.02	.55	28.3	2	.002	.014
CO5H-2	2.14				14.2	6	.020	.040
CO5H-3	1.70	.250			28.3	2	.002	.014
CO5H-4	2.14				14.2	6	.020	.040
CO5H-5	170	.375			28.3	2	.002	.014
CO5H-6	2.14				14.2	6	.020	.040
CO5H-7	1.57	.250	1.34		66.4	2.5	.004	.024
CO5H-8	2.24				33.6	8	.040	.075
CO5H-9	1.57	.375			66.4	2.5	.004	.024
CO5H-10	2.24				33.6	8	.040	.075
CO5H-11	1.57	.500			66.4	2.5	.004	.024
CO5H-12	2.24				33.6	8	.040	.075
CO5H-13	1.57	.625			66.4	2.5	.004	.031
CO5H-14	2.24				33.6	8	.040	.098
CO5H-15	1.96	.250	1.61	.71	88.5	2.5	.006	.031
CO5H-16	2.81				44.3	8	.047	.098
CO5H-17	1.96	.375			88.5	2.5	.006	.031
CO5H-18	2.81				44.3	8	.047	.098
CO5H-19	1.96	.500			88.5	2.5	.006	.031
CO5H-20	2.81				44.3	8	.047	.098
CO5H-21	1.96	.625			88.5	2.5	.006	.031
CO5H-22	2.81				44.3	8	.047	.098
CO5H-23	1.96	.750			88.5	2.5	.006	.031
CO5H-24	2.81				44.3	8	.047	.098

Service Factor	
Nature of Load	**Factor**
Uniform load	1.5
Non-uniform load	2
Shock load	3
Reversing shock load	4

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BELLOWS COUPLINGS

BORE	STYLE	MATERIAL
.187 TO .750	CLAMP HUB	HUBS AND SPACER - ALUMINUM 2011T3 ANODIZED BELLOWS - SPRING STAINLESS STEEL JOINT ASSEMBLY - COPPER C 106, ZINC PLATE, BLACK CHROMATE TEMPERATURE RANGE -40°C TO +120°C





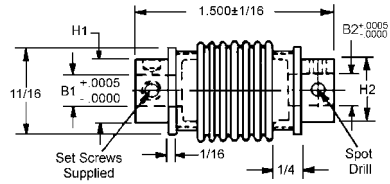
Peak Torque: Select a size where peak torque exceeds the application torque x service factor.

STOCK NO.	L	ØB1,ØB2 +.002 -.000	ØD	L1	PEAK TORQUE (± in/lb)	MAXIMUM MISALIGNMENT		
						ANGULAR (± degree)	RADIAL (± in)	AXIAL (± in)
CO5H-1C	1.70	.187	1.02	.55	28.3	2	.002	.014
CO5H-2C	2.14				14.2	6	.020	.040
CO5H-3C	1.70	.250			28.3	2	.002	.014
CO5H-4C	2.14				14.2	6	.020	.040
CO5H-5C	1.70	.375			28.3	2	.002	.014
CO5H-6C	2.14				14.2	6	.020	.040
CO5H-7C	1.57	.250	1.34		66.4	2.5	.004	.024
CO5H-8C	2.24				33.6	8	.040	.075
CO5H-9C	1.57	.375			66.4	2.5	.004	.024
CO5H-10C	2.24				33.6	8	.040	.075
CO5H-11C	1.57	.500			66.4	2.5	.004	.024
CO5H-12C	2.24				33.6	8	.040	.075
CO5H-13C	1.57	.625			66.4	2.5	.004	.031
CO5H-14C	2.24				33.6	8	.040	.098
CO5H-15C	1.96	.250	1.61	.71	88.5	2.5	.006	.031
CO5H-16C	2.81				44.3	8	.047	.098
CO5H-17C	1.96	.375			88.5	2.5	.006	.031
CO5H-18C	2.81				44.3	8	.047	.098
CO5H-19C	1.96	.500			88.5	2.5	.006	.031
CO5H-20C	2.81				44.3	8	.047	.098
CO5H-21C	1.96	.625			88.5	2.5	.006	.031
CO5H-22C	2.81				44.3	8	.047	.098
CO5H-23C	1.96	.750			88.5	2.5	.006	.031
CO5H-24C	2.81				44.3	8	.047	.098

Service Factor	
Nature of Load	**Factor**
Uniform load	1.5
Non-uniform load	2
Shock load	3
Reversing shock load	4

PRECISION BELLOWS COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .3748	PIN HUB	STAINLESS STEEL

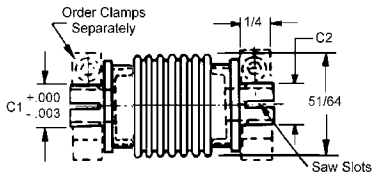




STOCK NO.	B1	B2	H1	H2
CO5-7	.1200	.1200	5/16	5/16
CO5-8	.1200	.1248	5/16	5/16
CO5-11	.1200	.1873	5/16	3/8
CO5-12	.1200	.2498	5/16	1/2
CO5-1	.1248	.1248	5/16	5/16
CO5-4	.1248	.1873	5/16	3/8
CO5-5	.1248	.2498	5/16	1/2
CO5-2	.1873	.1873	3/8	3/8
CO5-6	.1873	.2498	3/8	1/2
CO5-9	.2405	.2498	3/8	1/2
CO5-3	.2498	.2498	1/2	1/2
CO5-10	.3123	.3123	1/2	1/2
CO5-13	.3748	.3748	5/8	5/8

Maximum Rated Torque 75 oz./in.
Metric bore sizes and other bore combinations available on request.

BORE	STYLE	MATERIAL
.1200 TO .3748	CLAMP HUB	STAINLESS STEEL



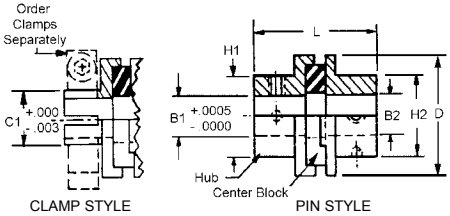
Metric bore sizes and other bore combinations available on request.

STOCK NO.	B1 +.0005 -.0000	B2 +.0005 -.0000	C1	C2
CO5-7C	.1200	.1200	3/16	3/16
CO5-8C	.1200	.1248	3/16	3/16
CO5-11C	.1200	.1873	3/16	1/4
CO5-12C	.1200	.2498	3/16	5/16
CO5-1C	.1248	.1248	3/16	3/16
CO5-4C	.1248	.1873	3/16	1/4
CO5-5C	.1248	.2498	3/16	5/16
CO5-2C	.1873	.1873	1/4	1/4
CO5-6C	.1873	.2498	1/4	5/16
CO5-9C	.2405	.2498	5/16	5/16
CO5-3C	.2498	.2498	5/16	5/16
CO5-10C	.3123	.3123	3/8	3/8
CO5-13C	.3748	.3748	7/16	7/16

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OLDHAM COUPLINGS

BORES	STYLE	MATERIALS
.1200 TO .4998	PIN HUB	303 STAINLESS STEEL HUBS CENTER BLOCK: U = POLYURETHANE B = BRONZE OR N = NYLON



STOCK NO.	B1	B2	D	H1	H2	L	TORQUE Oz. In.
CO3-13-B CO3-13-N	.1200	.1248	5/8	5/16	5/16	21/32	90 28
CO3-2-U CO3-2-B CO3-2-N	.1248	.1248	5/8	5/16	5/16	21/32	20 90 28
CO3-10-U CO3-10-B CO3-10-N	.1248	.1873	5/8	5/16	3/8	11/16	20 90 28
CO3-11-U CO3-11-B CO3-11-N	.1248	.2498	5/8	5/16	1/2	23/32	20 90 28
CO3-3-U CO3-3-B CO3-3-N	.1873	.1873	5/8	3/8	3/8	23/32	80 360 112
CO3-12-U CO3-12-B CO3-12-N	.1873	.2498	5/8	3/8	1/2	3/4	80 360 112
CO3-4-U CO3-4-B CO3-4-N	.2498	.2498	5/8	1/2	1/2	25/32	80 360 112
CO3-5-U CO3-5-B CO3-5-N	.3123	.3123	5/8	1/2	1/2	25/32	80 360 112
CO3-6-U CO3-6-B CO3-6-N	.3748	.3748	1-3/8	3/4	3/4	1-9/16	300 1350 420
CO3-8-U CO3-8-B CO3-8-N	.4998	.4998	1-1/2	1	1	1-13/16	400 1800 560

* Limiting factor is strength of hub-to-shaft connection.

- Shaft to shaft misalignment .010 maximum
- Angular misalignment 1° maximum
- Maximum backlash 10 minutes

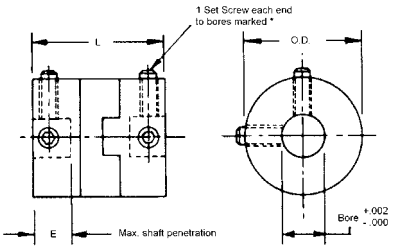
OLDHAM COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .2500	PIN HUB	BRASS HUB ACETAL CENTER BLOCK

STOCK NO.	BORE TO BORE		E	O.D.	L	RATED WORKING TORQUE Oz. In.	ANGULAR	PARALLEL
CO31-B	SOLID	SOLID	-	.37	1/2	64	1/2°	.05
CO31-1	.1200	.1250	.15					
CO31-2	.1250	.1250						
CO31-3	.1562	.1562						
CO31-4	.1875	.1875						
CO32-B	SOLID	SOLID	-	.50	5/8	120	3/4°	.06
CO32-1	.1250	.1250	.17					
CO32-2	.1562	.1562						
CO32-3	.1875	.1875						
CO32-4	.2500	.2500						

BORE	STYLE	MATERIAL
.1875 TO .6250	PIN HUB	ALUMINUM HUB ACETAL CENTER BLOCK

STOCK NO.	BORE TO BORE		E	O.D.	L	RATED WORKING TORQUE Oz. In.	ANGULAR	PARALLEL
CO33-B	SOLID	SOLID	-	.75	7/8	334	3/4°	.09
CO33-1	.1875	.1875	.25					
CO33-2	.2500	.2500						
CO33-3	.3125	.3125						
CO34-B	SOLID	SOLID	-	1	1-1/8	640	1°	.12
CO34-1	.2500	.2500	.34					
CO34-2	.3125	.3125						
CO34-3	.3750	.3750						
CO34-4	.4375	.4375						
CO60-B	SOLID	SOLID	-	1.31	1.91	2200	1-1/4°	.16
CO60-1	.3125	.3125	.51					
CO60-2	.3750	.3750						
CO60-3	.5000	.5000						
CO35-B	SOLID	SOLID	-	1.62	2.00	3200	1-1/4°	.20
CO35-1	.3750	.3750	.66					
CO35-2	.4375	.4375						
CO35-3	.5000	.5000						
CO35-4	.6250	.6250						



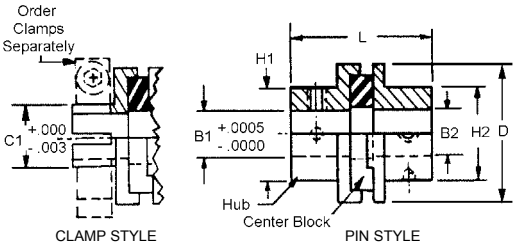


- Simple construction
- No backlash
- Corrosion resistant
- Reduces vibration
- Electrical Isolation
- No lubrication required

Blank hubs, set screw hubs, and clamp hubs are interchangeable within the same series, special combinations will be assembled to order.

OLDHAM COUPLINGS

BORE	STYLE	MATERIALS
1200 TO .2498	CLAMP	303 STAINLESS STEEL HUBS CENTER BLOCK: U = POLYURETHANE B = BRONZE OR N = NYLON



See previous pages for Stock Nos. and descriptions for Pin Hub Oldham Couplings.

STOCK NO.	B1	B2	D	C1	C2	L	TORQUE Oz. In.
CO6-8-B CO6-8-N	.1200	.1248	5/8	3/16	3/16	27/32	90 28
CO6-1-U CO6-1-B CO6-1-N	.1248	.1248	5/8	3/16	3/16	27/32	20 90 28
CO6-5-U CO6-5-B CO6-5-N	.1248	.1873	5/8	3/16	1/4	27/32	20 90 28
CO6-6-U CO6-6-B CO6-6-N	.1248	.2498	5/8	3/16	51/6	27/32	20 90 28
CO6-2-U CO6-2-B CO6-2-N	.1873	.1873	5/8	1/4	1/4	27/32	80 360 112
CO6-7-U CO6-7-B CO6-7-N	.1873	.2498	5/8	1/4	5/16	27/32	80 360 112
CO6-3-U CO6-3-B CO6-3-N	.2498	.2498	5/8	5/16	5/16	27/32	80 360 112

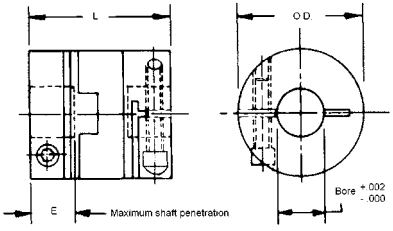
* Limiting factor is strength of hub-to-shaft connection.

- Shaft to shaft misalignment .010 maximum
- Angular misalignment 1° maximum
- Maximum backlash 10 minutes

OLDHAM COUPLINGS

BORE	STYLE	MATERIALS
.1875 TO .6250	CLAMP HUB	ALUMINUM HUB ACETAL CENTER BLOCK

STOCK NO.	BORE TO BORE	B2	E	O.D.	L	RATED WORKING TORQUE Oz. In.	ANGULAR	PARALLEL
CO33-1C CO33-2C	.1875 .2500	.1875 .2500	.25	.75	7/8	334	3/4°	.09
CO34-1C CO34-2C CO34-3C	.2500 .3125 .3750	.2500 .3125 .3750	.34	1	1-1/8	640	1°	.12
CO60-1C CO60-2C CO60-3C	.3125 .3750 .5000	.3125 .3750 .5000	.51	1.31	1.91	2200	1-1/4°	.16
CO35-1C CO35-2C CO35-3C CO35-4C	.3750 .4375 .5000 .6250	.3750 .4375 .5000 .6250	.66	1.62	2.00	3200	1-1/4°	.20





- Simple construction
- No backlash
- Corrosion resistant
- Reduces vibration
- Electrical Isolation
- No lubrication required.

Blank hubs, set screw hubs, and clamp hubs are interchangeable within the same series, special combinations will be assembled to order

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UNIVERSAL LATERAL COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .3750	PIN HUB	DELRIN OUTER RING BRASS HUBS

STOCK NO.	B1 +.002 +.000	B2 +.002 +.000	D1	D2	E1	E2	L	WORKING TORQUE Oz. In.	A
CO26-1	.1200	.1250	.35	.35	.16	.16	.56	38	23/32
CO26-2	.1250	.1250	.35	.35	.16	.16	.56		
CO26-3	.1250	.1575	.35	.35	.16	.16	.56		
CO26-4	.1250	.1875	.35	.35	.16	.16	.56		
CO26-7	.1250	.2500	.35	.44	.16	.26	.66		
CO26-5	.1575	.1575	.35	.35	.16	.16	.56		
CO26-8	.1575	.2500	.35	.44	.16	.26	.66		
CO26-6	.1875	.1875	.35	.35	.16	.16	.56		
CO26-9	.1875	.2500	.35	.44	.16	.26	.66		
CO26-10	.2500	.2500	.44	.44	.26	.26	.75		
CO23-1	.1250	.1250	.50	.50	.19	.19	.75	222	1-1/16
CO23-2	.1250	.1875	.50	.50	.19	.19	.75	222	
CO23-3	.1250	.2500	.50	.50	.19	.19	.75	222	
CO23-8	.1575	.1575	.50	.50	.19	.19	.75	222	
CO23-4	.1875	.1875	.50	.50	.19	.19	.75	222	
CO23-5	.1875	.2500	.50	.50	.19	.19	.75	222	
CO23-10	.1875	.3750	.50	.59	.19	.31	.88	122	
CO23-6	.2500	.2500	.50	.50	.19	.19	.75	222	
CO23-9**	.2500	.3125	.50	.50	.19	.19	.75	222	
CO23-11**	.2500	.3750	.50	.59	.19	.31	.88	122	
CO23-7**	.3125	.3125	.50	.50	.19	.19	.75	222	
CO23-12**	.3125	.3750	.50	.59	.19	.31	.88	122	
CO23-13**	.3750	.3750	.59	.59	.31	.31	1.00	122	

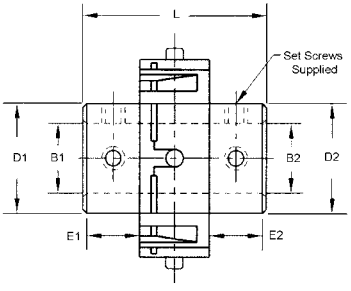
- Zero backlash
- Offers simultaneous lateral & angular misalignment
- Corrosion resistant
- No lubrication required
- Resonance damping
- Low inertia
- Shafts can pass through for easy installation
- Maximum operating temperature 185°F
- Misalignment (**)
  Angular 10° maximum
  Lateral .050 maximum

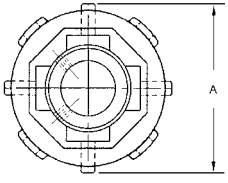
** Misalignment: Angular 5° maximum, Lateral .025 maximum.

BORE	STYLE	MATERIAL
.2500 TO .6250	PIN HUB	DELRIN OUTER RING ALUMINUM HUBS

STOCK NO.	B1 +.002 +.000	B2 +.002 +.000	D1	D2	E1	E2	L	WORKING TORQUE Oz. In.	A
CO25X-1	.2500	.2500	.69	.69	.30	.30	.99	444	1-21/64
CO25X-2	.2500	.3750	.69	.69	.30	.30	.99		
CO25X-3	.3750	.3750	.69	.69	.30	.30	.99		
CO25X-4	.3750	.5000	.69	.79	.30	.40	1.10		
CO25X-5	.5000	.5000	.79	.79	.40	.40	1.21		
CO25-1	.2500	.2500	.87	.87	.30	.30	1.12	607	1-5/8
CO25-2	.2500	.3125	.87	.87	.30	.30	1.12		
CO25-3	.2500	.3750	.87	.87	.30	.30	1.12		
CO25-8	.2500	.5000	.87	.87	.30	.30	1.12		
CO25-4	.3125	.3125	.87	.87	.30	.30	1.12		
CO25-9	.3125	.5000	.87	.87	.30	.30	1.12		
CO25-5	.3750	.3750	.87	.87	.30	.30	1.12		
CO25-6	.3750	.5000	.87	.87	.30	.30	1.12		
CO25-7	.5000	.5000	.87	.87	.30	.30	1.12		
CO25-10	.6250	.6250	.95	.95	.49	.49	1.50		

- Zero backlash
- Offers simultaneous lateral & angular misalignment
- Corrosion resistant
- No lubrication required
- Resonance damping
- Low inertia
- Shafts can pass through for easy installation
- Maximum operating temperature 185°F
- Misalignment
  Angular 10° maximum
  Lateral .050 maximum.







UNIVERSAL LATERAL COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .3750	CLAMP	DELRIN OUTER RING BRASS HUBS

STOCK NO.	B1 +.002 +.000	B2 +.002 +.000	D	E	L	WORKING TORQUE Oz. In.	OUTSIDE DIA.
CO27-1	.1200	.1250	.75	.26	.75	38	3/4
CO27-2	.1250	.1250					
CO27-3	.1250	.2500					
CO27-4	.1575	.1575					
CO27-5	.1875	.1875					
CO27-6	.2500	.2500					
CO28-1	.1575	.1575	1.00	.31	1.00	222	1-1/16
CO28-2	.1875	.1875				222	
CO28-3	.2500	.2500				222	
CO28-4**	.2500	.3750				122	
CO28-5**	.3125	.3125				222	
CO28-6**	.3750	.3750				122	

- Low inertia
- Resonance damping
- Electrically insulated
- Zero backlash
- Offers simultaneous lateral & angular misalignment
- Corrosion resistant
- No lubrication required
- Shafts can pass through for easy installation
- Maximum operating temperature 185°F
- Misalignment (**)
  Angular 10° maximum
  Lateral .050 maximum

** Misalignment: Angular 5° maximum, Lateral .025 maximum.

Additional sizes and bore combinations available on request.

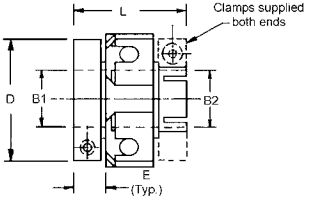
BORE	STYLE	MATERIAL
.2500 TO .5000	CLAMP	DELRIN OUTER RING ALUMINUM HUBS

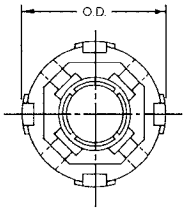
STOCK NO.	B1 +.002 +.000	B2 +.002 +.000	D	E	L	WORKING TORQUE Oz. In.	OUTSIDE DIA.
CO29X-1	.2500	.2500	.79	.40	1.21	444	1-21/64
CO29X-2	.2500	.3750					
CO29X-3	.3750	.3750					
CO29-1*	.2500	.2500	.95	.49	1.50	607	1-5/8
CO29-2*	.2500	.5000					
CO29-3*	.3125	.3125					
CO29-4*	.3125	.5000					
CO29-5*	.3750	.3750					
CO29-6*	.3750	.5000					
CO29-7*	.5000	.5000					

- Low inertia
- Resonance damping
- Electrically insulated
- Zero backlash
- Offers simultaneous lateral & angular misalignment
- Corrosion resistant
- No lubrication required
- Shafts can pass through for easy installation
- Maximum operating temperature 185°F
- Misalignment
  Angular 10° maximum
  Lateral .050 maximum

* Clamp hub is integral to hub on CO29 series.

Additional sizes and bore combinations available on request.

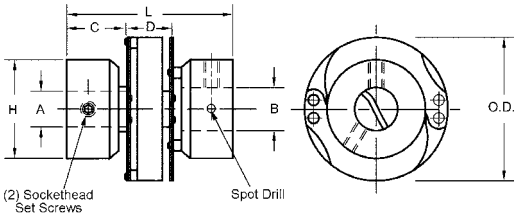






WAFER SPRING COUPLINGS

BORES	STYLE	MATERIAL
.1200 TO .5000	PIN HUB	HUB AND CENTER BLOCK: ALUMINUM LEAVES: BERYLLIUM COPPER or STAINLESS STEEL



STOCK NO.	A +.0010	B +.0010	L	H	C	D	MAX. WORKING OUTSIDE DIA.	MAX. TORQUE (IN.OZ)	MAX PARALLEL MISALIGNMENT	ANGULAR MISALIGNMENT
CO20-1P	.1200	.1250	.94	.56	.33	.28	.75	165	.018	8°
CO20-2P	.1200	.1562								
CO20-3P	.1200	.1875								
CO20-4P	.1200	.2500								
CO20-5P	.1250	.1250								
CO20-6P	.1250	.1562								
CO20-7P	.1250	.1875								
CO20-8P	.1250	.2500								
CO20-9P	.1562	.1562								
CO20-10P	.1562	.1875								
CO20-11P	.1562	.2500								
CO20-12P	.1875	.1875								
CO20-13P	.1875	.2500								
CO20-14P	.2500	.2500								
CO20-22P	.1875	.1875	1.21	.75	.44	.33	1.00	225	.020	
CO20-23P	.1875	.2500								
CO20-24P	.2500	.2500								
CO20-25P	.2500	.3125								
CO20-26P	.3125	.3125								
CO20-15P	.2500	.3125	1.82	1.00	.66	.50	1.50	440	.030	
CO20-16P	.2500	.3750								
CO20-17P	.3125	.3125								
CO20-18P	.3125	.3750								
CO20-19P	.3750	.3750								
CO20-20P	.3750	.5000								
CO20-21P	.5000	.5000								

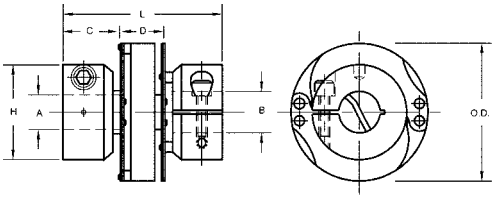
TECHNICAL SPECIFICATIONS	3/4 O.D.	1 O.D.	1-1/2 O.D.
Maximum Lateral Deflection	.018	.020	.030
Moment of inertia (oz.in^2)	0.19	.66	.630
Torque (oz.in)	165	225	44
Weight (oz)	.22	.56	1.60

- Zero backlash
- 8° maximum angular misalignment
- 10,000 RPM maximum

Torque ratings are based on maximum lateral angular and axial misalignment combined.

WAFER SPRING COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO .5000	CLAMP	HUB AND CENTER BLOCK: ALUMINUM LEAVES: BERYLLIUM COPPER or STAINLESS STEEL





STOCK NO.	A +.0010	B +.0010	L	H	C	D	MAX. WORKING OUTSIDE DIA.	MAX. TORQUE (IN.OZ)	MAX. PARALLEL MISALIGNMENT	ANGULAR MISALIGNMENT
CO20-1	.1200	.1250	.88	.56	.30	.28	.75	165	.018	8°
CO20-2	.1200	.1562								
CO20-3	.1200	.1875								
CO20-4	.1200	.2500								
CO20-5	.1250	.1250								
CO20-6	.1250	.1562								
CO20-7	.1250	.1875								
CO20-8	.1250	.2500								
CO20-9	.1562	.1562								
CO20-10	.1562	.1875								
CO20-11	.1562	.2500								
CO20-12	.1875	.1875								
CO20-13	.1875	.2500								
CO20-14	.2500	.2500								
CO20-22	.1875	.1875	1.21	.75	.44	.33	1.00	225	.020	
CO20-23	.1875	.2500								
CO20-24	.2500	.2500								
CO20-25	.2500	.3125								
CO20-26	.3125	.3125								
CO20-15	.2500	.3125	1.82	1.00	.66	.50	1.50	440	.030	
CO20-16	.2500	.3750								
CO20-17	.3125	.3125								
CO20-18	.3125	.3750								
CO20-19	.3750	.3750								
CO20-20	.3750	.5000								
CO20-21	.5000	.5000								

TECHNICAL SPECIFICATIONS	3/4 O.D.	1 O.D.	1-1/2 O.D.
Maximum Lateral Deflection	.018	.020	.030
Moment of inertia (oz.in2)	0.19	.66	.630
Torque (oz.in)	165	225	44
Weight (oz)	.22	.56	1.60

- Zero backlash
- 8° maximum angular misalignment
- 10,000 RPM maximum

Torque ratings are based on maximum lateral angular and axial misalignment combined.

G

DISC COUPLINGS

Ratings and Mass Data for disc couplings CTCC, CTCA, CTCB and CTCBC

STOCK NO.	MAX. RPM	APPROX. WEIGHT (OZ.).	APPROX. WR (OZ. IN.^{2})	TORSIONAL RIGIDITY (K) (MILLIRADIANS PER OZ. IN.)	MAX. ANGULAR MISALIGNMENT, CONTINUOUS PER FLEXING ELEMENT	MAX. PARALLEL MISALIGNMENT, CONTINUOUS IN.	END FLOAT ^{2} IN.	TORQUE CAPACITY (lb-in)
12	150,000	.09	.0026	.148	2°	.015	±.016	1.1
18	100,000	.29	.0177	.0908	2°	.015	±.016.	2.2
25	80,000	.74	.0799	.03700	2°	.028	±.031	4.7
37	55,000	2.02	.474	.00554	1.5°	.028	±.031	19.0
50	45,000	4.02	1.418	.00362	1°	.028	±.031	75.0
62	35,000	9.36	4.99	.00139	.67°	.028	±.031	300.0
75	30,000	11.57	8.61	.00089	.67°	.028	±.031	440.0
100	25,000	20.00	23.00	.00066	.50°	.020	±.031	700.0



- Size number determination

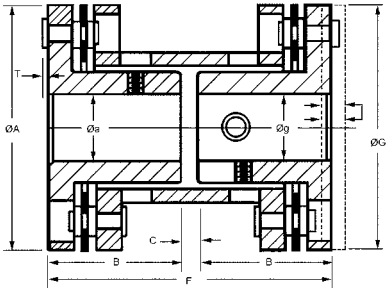
Example:
CTCC _ _ -
CTCB _ _ -

SIZE NO.

CTCC: Both hubs inside
CTCA: One hub inside
CTCB: Both hubs out
CTCBC: Same as CB but Clamp style

DISC COUPLINGS

BORE	STYLE	MATERIALS
.0781 TO 1.005	CTCC PIN HUB	ANODIZED ALUMINUM HUBS AND CENTER, RIVETS AND WASHERS - BRASS DISCS STAINLESS STEEL



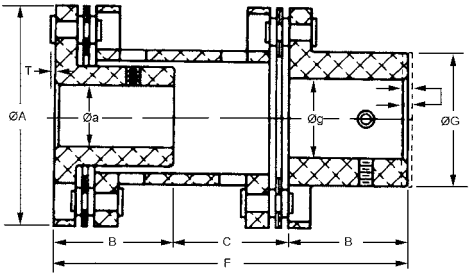


STOCK NO.	Øa ±.0005	Øg ±.0005	ØA	ØG	B	C	F	T	TORQUE CAPACITY (LB.-IN.)
CTCC12-1	.0781	.0781	1/2	1/2	1/4	1/32	17/32	.018	1.1
CTCC12-2	.0937	.0937	1/2	1/2	1/4	1/32	17/32	.018	1.1
CTCC12-3	.1200	.1200	1/2	1/2	1/4	1/32	17/32	.018	1.1
CTCC12-4	.1250	.1250	1/2	1/2	1/4	1/32	17/32	.018	1.1
CTCC18-1	.0937	.0937	3/4	3/4	3/8	1/16	13/16	.023	2.2
CTCC18-2	.1200	.1200	3/4	3/4	3/8	1/16	13/16	.023	2.2
CTCC18-3	.1250	.1250	3/4	3/4	3/8	1/16	13/16	.023	2.2
CTCC18-4	.1562	.1562	3/4	3/4	3/8	1/16	13/16	.023	2.2
CTCC18-5	.1875	.1875	3/4	3/4	3/8	1/16	13/16	.023	2.2
CTCC25-1	.1255	.1255	1	1	1/2	1/16	1-1/16	.025	4.7
CTCC25-2	.1880	.1880	1	1	1/2	1/16	1-1/16	.025	4.7
CTCC25-3	.2505	.2505	1	1	1/2	1/16	1-1/16	.025	4.7
CTCC37-1	.1255	.1255	1-7/16	1-7/16	11/16	1/8	1-1/2	.035	19.0
CTCC37-2	.1880	.1880	1-7/16	1-7/16	11/16	1/8	1-1/2	.035	19.0
CTCC37-3	.2505	.2505	1-7/16	1-7/16	11/16	1/8	1-1/2	.035	19.0
CTCC37-4	.3130	.3130	1-7/16	1-7/16	11/16	118	1-1/2	.035	19.0
CTCC37-5	.3755	.3755	1-7/16	1-7/16	11/16	1/8	1-1/2	.035	19.0
CTCC50-1	.2505	.2505	1-3/4	1-3/4	15/16	1/8	2	.045	75.0
CTCC50-2	.3130	.3130	1-3/4	1-3/4	15/16	1/8	2	.045	75.0
CTCC50-3	.3755	.3755	1-3/4	1-3/4	15/16	1/8	2	.045	75.0
CTCC50-4	.4380	.4380	1-3/4	1-3/4	15/16	1/8	2	.045	75.0
CTCC50-5	.5005	.5005	1-3/4	1-3/4	15/16	1/8	2	.045	75.0
CTCC62-1	.3755	.3755	2-1/4	2-1/4	1-1/16	1/8	2-1/4	.060	300.0
CTCC62-2	.4380	.4380	2-1/4	2-1/4	1-1/16	1/8	2-1/4	.060	300.0
CTCC62-3	.5005	.5005	2-1/4	2-1/4	1-1/16	1/8	2-1/4	.060	300.0
CTCC62-4	.6255	.6255	2-1/4	2-1/4	1 1/16	1/8	2-1/4	.060	300.0
CTCC75-1	.4380	.4380	2-1/2	2-1/2	1-3/16	1/8	2-1/2	.060	440.0
CTCC75-2	.5005	.5005	2-1/2	2-1/2	1-3/16	1/8	2-1/2	.060	440.0
CTCC75-3	.6255	.6255	2-1/2	2-1/2	1-3/16	1/8	2-1/2	.060	440.0
CTCC75-4	.7505	.7505	2-1/2	2-1/2	1-3/16	1/8	2-1/2	.060	440.0
CTCC100-1	.6255	.6255	3	3	1 3/8	1/4	3	.060	700.0
CTCC100-2	.7505	.7505	3	3	1 3/8	1/4	3	.060	700.0
CTCC100-3	.8755	.8755	3	3	1 3/8	1/4	3	.060	700.0
CTCC100-4	1.0050	1.0050	3	3	1 3/8	1/4	3	.060	700.0

Torque capacities are based on smooth drives with moderate torque fluctuations. Reduce ratings 1/3 the value shown for severe applications such as indexing drives where torque reversals occur.

DISC COUPLINGS

BORE	STYLE	MATERIALS
.0781 TO 1.2505	PIN HUB	ANODIZED ALUMINUM HUBS AND CENTER, RIVETS AND WASHERS - BRASS DISCS STAINLESS STEEL



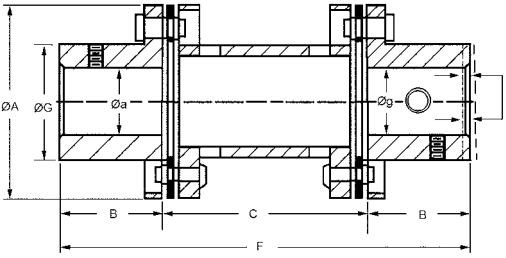


STOCK NO.	Øa ±.0005	Øg ±.0005	ØA	ØG	B	C	F	T	TORQUE CAPACITY (LB.-IN.)
CTCA12-1	.0781	.1200	1/2	5/16	1/4	15/64	47/64	.018	1.1
CTCA12-2	.0937	.1250	1/2	5/16	1/4	15/64	47/64	.018	1.1
CTCA12-3	.1200	.1562	1/2	5/16	1/4	15/64	47/64	.018	1.1
CTCA12-4	.1250	.1875	1/2	5/16	1/4	15/64	47/64	.018	1.1
CTCA18-1	.0937	.1250	3/4	15/32	3/8	3/8	1-1/8	.023	2.2
CTCA18-2	.1200	.1562	3/4	15/32	3/8	3/8	1-1/8	.023	2.2
CTCA18-3	.1250	.1875	3/4	15/32	3/8	3/8	1-1/8	.023	2.2
CTCA18-4	.1562	.2500	3/4	15/32	3/8	3/8	1-1/8	.023	2.2
CTCA18-5	.1875	.2500	3/4	15/32	3/8	3/8	1-1/8	.023	2.2
CTCA25-1	.1255	.1255	1	5/8	1/2	15/32	1-15/32	.025	4.7
CTCA25-2	.1880	.1880	1	5/8	1/2	15/32	1-15/32	.025	4.7
CTCA25-3	.2505	.2505	1	5/8	1/2	15/32	1-15/32	.025	4.7
CTCA25-4	.2505	.3130	1	5/8	1/2	15/32	1-15/32	.025	4.7
CTCA25-5	.2505	.3755	1	5/8	1/2	15/32	1-15/32	.025	4.7
CTCA37-1	.1255	.1880	1-7/16	7/8	11/16	11/16	2-1/16	.035	19.0
CTCA37-2	.1880	.2505	1-7/16	7/8	11/16	11/16	2-1/16	.035	19.0
CTCA37-3	.2505	.3130	1-7/16	7/8	11/16	11/16	2-1/16	.035	19.0
CTCA37-4	.3130	.3755	1-7/16	7/8	11/16	11/16	2-1/16	.035	19.0
CTCA37-5	.3755	.4380	1-7/16	7/8	11/16	11/16	2-1/16	.035	19.0
CTCA37-6	.3755	.5005	1-7/16	7/8	11/16	11/16	2-1/16	.035	19.0
CTCA50-1	.2505	.2505	1-3/4	1-1/16	15/16	29/32	2-25/32	.045	75.0
CTCA50-2	.3130	.3130	1-3/4	1-1/16	15/16	29/32	2-25/32	.045	75.0
CTCA50-3	.3755	.3755	1-3/4	1-1/16	15/16	29/32	2-25/32	.045	75.0
CTCA50-4	.4380	.4380	1-3/4	1-1/16	15/16	29/32	2-25/32	.045	75.0
CTCA50-5	.5005	.5005	1-3/4	1-1/16	15/16	29/32	2-25/32	.045	75.0
CTCA50-6	.5005	.6255	1-3/4	1-1/16	15/16	29/32	2-25/32	.045	75.0
CTCA62-1	.3755	.4380	2-1/4	1-3/8	1-1/16	1	3-1/8	.060	300.0
CTCA62-2	.4380	.5005	2-1/4	1-3/8	1-1/16	1	3-1/8	.060	300.0
CTCA62-3	.5005	.6255	2-1/4	1-3/8	1-1/16	1	3-1/8	.060	300.0
CTCA62-4	.6255	.7505	2-1/4	1-3/8	1-1/16	1	3-1/8	.060	300.0
CTCA75-1	.4380	.5005	2-1/2	1-5/8	1-3/16	1-1/8	3-1/2	.060	440.0
CTCA75-2	.5005	.6255	2-1/2	1-5/8	1-3/16	1-1/8	3-1/2	.060	440.0
CTCA75-3	.6255	.7505	2-1/2	1-5/8	1-3/16	1-1/8	3-1/2	.060	440.0
CTCA75-4	.7505	.8755	2-1/2	1-5/8	1-3/16	1-1/8	3-1/2	.060	440.0
CTCA75-5	.7505	1.0005	2-1/2	1-5/8	1-3/16	1-1/8	3-1/2	.060	440.0
CTCA100-1	.6255	.7505	3	1-7/8	1-3/8	1-3/8	4-1/8	.060	700.0
CTCA100-2	.7505	.8755	3	1-7/8	1-3/8	1-3/8	4-1/8	.060	700.0
CTCA100-3	.8755	1.0005	3	1-7/8	1-3/8	1-3/8	4-1/8	.060	700.0
CTCA100-4	1.0050	1.1255	3	1-7/8	1-3/8	1-3/8	4-1/8	.060	700.0
CTCA100-5	1.0050	1.2505	3	1-7/8	1-3/8	1-3/8	4-1/8	.060	700.0

Torque capacities are based on smooth drives with moderate torque fluctuations. Reduce ratings 1/3 the value shown for severe applications such as indexing drives where torque reversals occur.

DISC COUPLINGS

BORE	STYLE	MATERIAL
.1200 TO 1.2505	CTCB PIN HUB	ANODIZED ALUMINUM HUBS AND CENTER, RIVETS AND WASHERS - BRASS DISCS STAINLESS STEEL



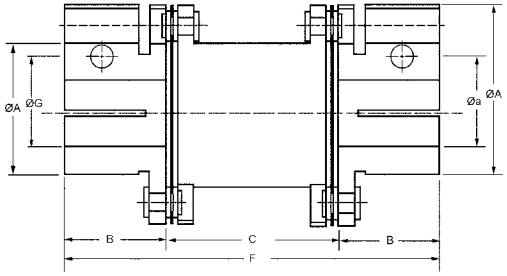


STOCK NO.	Øa and Øg +.0005 -.0005	ØA	ØG	B	C	F	TORQUE CAPACITY (LB.-IN.)
CTCB12-1	.1200	1/2	5/16	1/4	7/16	15/16	1.1
CTCB12-2	.1250	1/2	5/16	1/4	7/16	15/16	1.1
CTCB12-3	.1562	1/2	5/16	1/4	7/16	15/16	1.1
CTCB12-4	.1875	1/2	5/16	1/4	7/16	15/16	1.1
CTCB18-1	.1250	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCB18-2	.1562	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCB18-3	.1875	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCB18-4	.2500	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCB25-1	.1255	1	5/8	1/2	7/8	1-7/8	4.7
CTCB25-2	.1880	1	5/8	1/2	7/8	1-7/8	4.7
CTCB25-3	.2505	1	5/8	1/2	7/8	1-7/8	4.7
CTCB25-4	.3130	1	5/8	1/2	7/8	1-7/8	4.7
CTCB25-5	.3755	1	5/8	1/2	7/8	1-7/8	4.7
CTCB37-1	.1880	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCB37-2	.2505	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCB37-3	.3130	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCB37-4	.3755	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCB37-5	.4380	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCB37-6	.5005	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCB50-1	.2505	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCB50-2	.3130	1 3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCB50-3	.3755	1 3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCB50-4	.4380	1 3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCB50-5	.5005	1 3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCB50-6	.6255	1 3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCB62-1	.4380	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCB62-2	.5005	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCB62-3	.6255	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCB62-4	.7505	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCB75-1	.5005	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCB75-2	.6255	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCB75-3	.7505	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCB75-4	.8755	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCB75-5	1.0005	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCB100-1	.7505	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCB100-2	.8755	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCB100-3	1.0005	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCB100-4	1.1255	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCB100-5	1.2505	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0

Torque capacities are based on smooth drives with moderate torque fluctuations. Reduce ratings 1/3 the value shown for severe applications such as indexing drives where torque reversals occur.

DISC COUPLINGS

BORE	STYLE	MATERIALS
.1200 TO 1.2505	CTCBC CLAMP	ANODIZED ALUMINUM HUBS AND CENTER, RIVETS AND WASHERS - BRASS DISCS STAINLESS STEEL

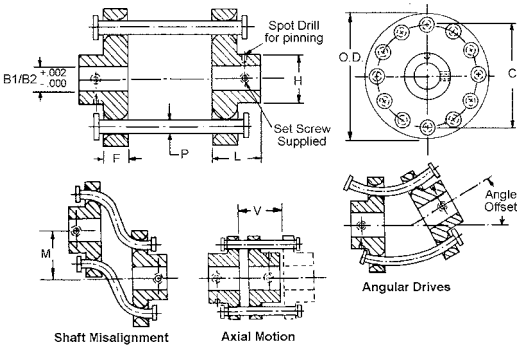


STOCK NO.	Øa and Øg +.0005 -.0005	ØA	ØG	B	C	F	TORQUE CAPACITY (LB.-IN.)
CTCBC12-1	.1200	1/2	5116	1/4	7/16	15/16	1.1
CTCBC12-2	.1250	1/2	5/16	1/4	7/16	15/16	1.1
CTCBC12-3	.1562	1/2	5/16	1/4	7/16	15/16	1.1
CTCBC12-4	.1875	1/2	5/16	1/4	7/16	15/16	1.1
CTCBC18-1	.1250	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCBC18-2	.1562	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCBC18-3	.1875	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCBC18-4	.2500	3/4	15/32	3/8	11/16	1-7/16	2.2
CTCBC25-1	.1255	1	5/8	1/2	7/8	1-7/8	4.7
CTCBC25-2	.1880	1	5/8	1/2	7/8	1-7/8	4.7
CTCBC25-3	.2505	1	5/8	1/2	7/8	1-7/8	4.7
CTCBC25-4	.3130	1	5/8	1/2	7/8	1-7/8	4.7
CTCBC25-5	.3755	1	5/8	1/2	7/8	1-7/8	4.7
CTCBC37-1	.1880	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCBC37-2	.2505	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCBC37-3	.3130	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCBC37-4	.3755	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCBC37-5	.4380	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCBC37-6	.5005	1-7/16	7/8	11/16	1-1/4	2-5/8	19.0
CTCBC50-1	.2505	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCBC50-2	.3130	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCBC50-3	.3755	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCBC50-4	.4380	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCBC50-5	.5005	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCBC50-6	.6255	1-3/4	1-1/16	15/16	1-11/16	3-9/16	75.0
CTCBC62-1	.4380	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCBC62-2	.5005	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCBC62-3	.6255	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCBC62-4	.7505	2-1/4	1-3/8	1-1/16	1-7/8	4	300.0
CTCBC75-1	.5005	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCBC75-2	.6255	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCBC75-3	.7505	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCBC75-4	.8755	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCBC75-5	1.0005	2-1/2	1-5/8	1-3/16	2-1/8	4-1/2	440.0
CTCBC100-1	.7505	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCBC100-2	.8755	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCBC100-3	1.0005	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCBC100-4	1.1255	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0
CTCBC100-5	1.2505	3	1-7/8	1-3/8	2-1/2	5-1/4	700.0

Torque capacities are based on smooth drives with moderate torque fluctuations. Reduce ratings 1/3 the value shown for severe applications such as indexing drives where torque reversals occur.

FLEX-THANE COUPLINGS

BORE	MATERIAL
1/8" TO 1/2"	PINS: POLYURETHANE HUBS: 2024-T4 ANODIZED ALUMINUM





STOCK NO.	B1	B2	P	H	L	F	O.D.	C	M MAX.	V MAX.	MAX. TORQUE LB.-IN.	MAX ANGLE OFFSET
CC5-10-L	1/8	1/8	1/16	5/16	5/16	1/8	.687	9/16	1/16	9/64	25	
CC5-19-L	3/16	3/16	1/8	3/8	11/32	1/8	1.000	3/4	1/8	3/16	35	
CC5-28-L	1/4	1/4	1/8	1/2	7/16	3/16	1.250	1	1/4	1/4	50	10°
CC5-32-L	5/16	5/16	3/16	1/2	7/16	3/16	1.500	1-1/8	7/32	5/16	60	
CC5-35-L	3/8	3/8	1/4	3/4	3/4	3/8	2.000	1-1/2	5/32	3/8	100	
CC5-37-L	1/2	1/2	5/16	1	7/8	3/8	2.500	1-7/8	1/8	1/2	200	
CC5-10-A	1/8	1/8	1/16	5/16	5/16	1/8	.687	9/16	1/2	7/16	25	
CC5-19-A	3/16	3/16	1/8	3/8	11/32	1/8	1.000	3/4	5/8	5/8	35	
CC5-28-A	1/4	1/4	1/8	1/2	7/16	3/16	1.250	1	3/4	7/8	50	30°
CC5-32-A	5/16	5/16	3/16	1/2	7/16	3/16	1.500	1-1/8	7/8	1-1/8	60	
CC5-35-A	3/8	3/8	1/4	3/4	3/4	3/8	2.000	1-1/2	1	1-3/8	100	
CC5-37-A	1/2	1/2	5/16	1	7/8	3/8	2.500	1-7/8	1-1/4	2	200	

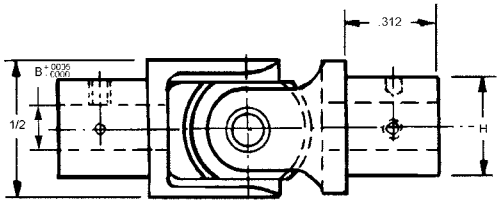
- Can drive shafts to 1-1/4" out of line
- Runs at angles to 30°
- Silent running operation
- Maintenance free
- Long life
- Absorbs start up shock

Central internal chamber diameter may be smaller than bore in some cases.

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UNIVERSAL JOINTS

BORE	STYLE	MATERIAL
1/8" TO 3/16"	PIN HUB	303 STAINLESS STEEL

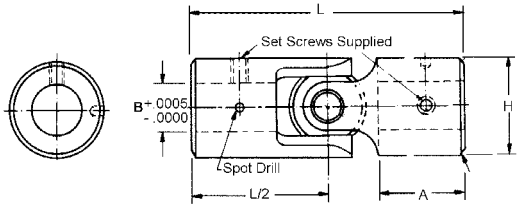


STOCK NO.	SHAFT SIZE	B BORE	H HUB DIA.	L	A BORE LENGTH
UJ-1	1/8	.1248	5/16	1-1/2	.44
UJ-2	3/16	.1873	3/8	1-1/2	.44

- Maximum operating angle 30° at 500 RPM
- Ideal operating angle 10° at 1000 RPM
- Lubrication required at all times

Special bore and bore-to-bore connections available on request.

BORES	STYLE	MATERIAL
1/4" TO 1/2"	PIN HUB	303 STAINLESS STEEL





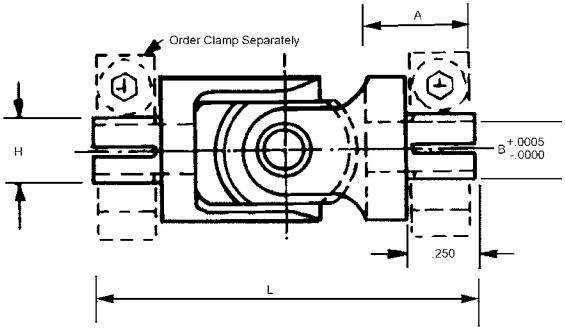
STOCK NO.	SHAFT SIZE	B BORE	H HUB DIA.	L	A BORE LENGTH
UJ-3	1/4	.2498	1/2	1-1/2	.44
UJ-4	5/16	.3123	1/2	1-1/2	.44
UJ-5	3/8	.3748	3/4	2-5/8	.92
UJ-6	1/2	.4998	1	3-3/8	1.17

- Maximum operating angle 30° at 500 RPM
- Ideal operating angle 10° at 1000 RPM
- Lubrication required at all times

Special bore and bore-to-bore connections available on request.

UNIVERSAL JOINTS

BORES	STYLE	MATERIAL
1/8" TO 1/4"	CLAMP	303 STAINLESS STEEL



STOCK NO.	SHAFT SIZE	B BORE	H HUB DIA.	L OVERALL	A BORE LG.	CLAMP (2) ORDER SEPARATELY STOCK NO.
UJ-10	1/8	.1248	3/16	1-3/8	.37	CG1-25
UJ-11	3/16	.1873	1/4	1-3/8	.37	CG1-9
UJ-12	1/4	.2498	5/16	1-3/8	.37	CG1-12

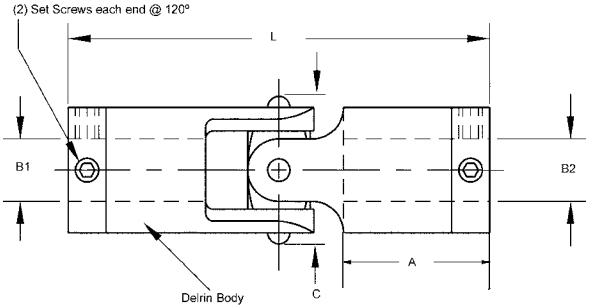
Special bore and bore-to-bore connections available on request.

- Maximum operating angle 30° at 500 RPM
- Ideal operating angle 10° at 1000 RPM
- Lubrication required at all times

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UNIVERSAL JOINTS

BORES	STYLE	MATERIAL
1/8" TO 3/8"	SINGLE JOINT	DELRIN BODY BRASS HUB AND SPIDER





SINGLE JOINT

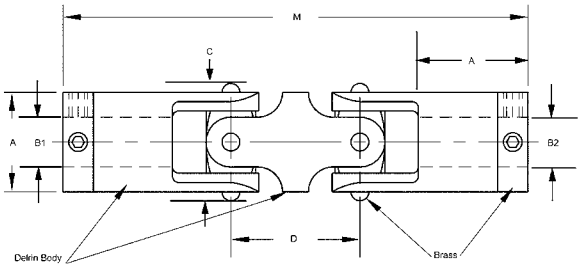
STOCK NO.	+.001 +.000 B1	+.001 +.000 B2	L	A	C	SET SCREW	RATED TORQUE (OZ. IN.)
UJS-9	.1250*	.1250*	1-1/16	1/4	9/32	#4-40	16
UJS-1 UJS-2 UJS-3	.1250* .1250* .1875	.1250* .1875 .1875	1-31/64	3/8	7/16	#4-40	55
UJS-4 UJS-5 UJS-6	.1875 .1875 .2500	.1875 .2500 .2500	1-13/16	1/2	9/16	#6-32	151
UJS-10 UJS-11 UJS-12 UJS-13 UJS-14 UJS-15	.2500 .2500 .2500 .3125 .3125 .3750	.2500 .3125 .3750 .3125 .3750 .3750	2-21/32	5/8	11/16	#8-32	239

- Needs no lubrication
- Can be submersed in water
- Resists corrosion and chemical attack
- Electrically isolates input from output
- Zero backlash
- Lightweight
- Shock absorbent
- Non-contaminant
- Temperature Range -40° F to +185° F

* 1 Set screw each end on these bore sizes.

UNIVERSAL JOINTS

BORES	STYLE	MATERIAL
1/8" TO 3/8"	DOUBLE JOINT	DELRIN BODY BRASS HUB ENDS AND SPIDER





DOUBLE JOINT

STOCK NO.	+.001 +.000 B1	+.001 +.000 B2	A	C	D	M	SET SCREW	RATED TORQUE (OZ. IN.)
UJD-9	.1250*	.1250*	1/4	9/32	5/16	1-25/64	#4-40	11
UJD-1	.1250*	.1250*	3/8	7/16	33/64	2	#4-40	23
UJD-2	.1250*	.1875						
UJD-3	.1875	.1875						
UJD-4	.1875	.1875	1/2	9/16	5/8	2-7/16	#6-32	83
UJD-5	.1875	.2500						
UJD-6	.2500	.2500						
UJD-10	.2500	.2500	5/8	11/16	7/8	3-17/32	#8-32	183
UJD-11	.2500	.3125						
UJD-12	.2500	.3750						
UJD-13	.3125	.3125						
UJD-14	.3125	.3750						
UJD-15	.3750	.3750						

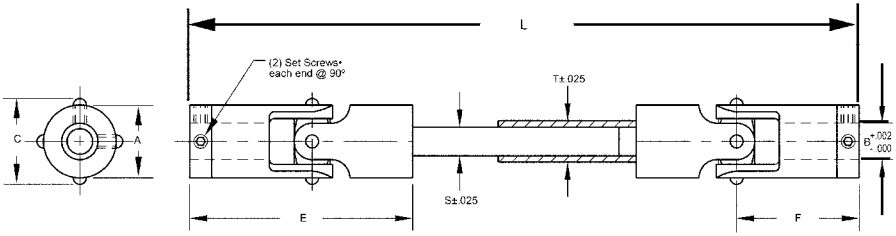
- Needs no lubrication
- Can be submersed in water
- Resists corrosion and chemical attack
- Electrically isolates input from output
- Zero backlash
- Lightweight
- Shock absorbent
- Non-contaminant
- Temperature Range -40° F to +185° F

* 1 Set screw each end on these bore sizes.

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TELESCOPIC UNIVERSAL JOINTS

BORES	MATERIAL
1/8" TO 3/8"	DELRIN BODY BRASS ENDS, SPIDER AND TELESCOPIC SECTIONS



STOCK NO.	BORES		A	C	L		E	F	SET SCREW	RATED TORQUE OZ.IN.	S SQ.	T SQ.
	1	2			MAX.	MIN.						
UJT-1	.1250*	.1250*	3/8	7/16	5-19/64	4-5/64	1-19/64	47/64	#4-40	55	.118	.165
UJT-2	.1250*	.1875										
UJT-3	.1875	.1875										
UJT-4	.1875	.1875	1/2	9/16	7-11/32	5-31/64	1-39/64	29/32	#6-32	151	.165	.236
UJT-5	.1875	.2500										
UJT-6	.2500	.2500										
UJT-10	.2500	.2500	5/8	11/16	10-7/32	7-25/32	2-3/8	1-21/64	#8-32	239	.236	.315
UJT-11	.2500	.3125										
UJT-12	.2500	.3750										
UJT-13	.3125	.3125										
UJT-14	.3125	.3750										
UJT-15	.3750	.3750										

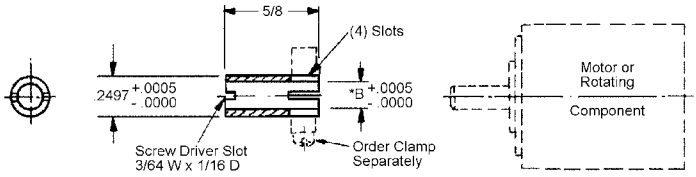
- Temperature Range -40° F to +185° F
- Needs no lubrication
- Can be submersed in water
- Resists corrosion
- Electrically isolates input from output
- Minimum Backlash
- Lightweight
- Non-contaminant (e.g. food, textiles and paper handling)
- Non-magnetic
- Resists chemical attack
- Shock absorbent

- Note: 1/8” bore coupling ends are supplied with (1) set screw each end.
  Maximum lenth can be reduced by cutting equal lengths off both telescoping halves.



SHAFT ADAPTERS

BORES	STYLE	MATERIAL
.1200 TO .1873	CLAMP	303 STAINLESS STEEL





STOCK NO.	B BORE SIZE	ROTATING COMPONENT SHAFT DIA.	CLAMP (ORDER SEPARATELY) STOCK NO.
SA-3	.1200	.1200	
SA-4	.1248	1/8	
SA-1	.1560	5/32	CG1-8
SA-5	.1772	.1772	
SA-2	.1873	3/16	

* Concentric within .0003

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OVERRUNNING COUPLING

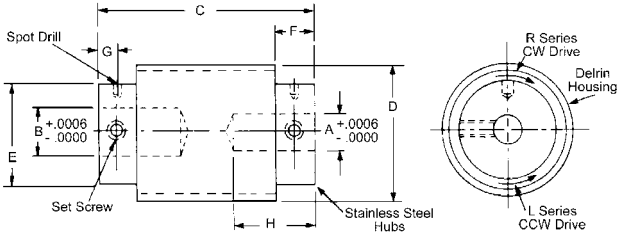
BORE SIZES	STYLE	MATERIAL
1/8" TO 1/2"	CLOCKWISE	416 STAINLESS STEEL HUB RC26-32 DELRIN CENTER

STOCK NO.	A	B	MAX DRIVE TORQUE	MAX DRAG TORQUE	C	D	E	F	G	H	SET SCREW
JB-R-4 JB-R-5 JB-R-6 JB-R-17 JB-R-8 JB-R-9	.1248 .1248 .1248 .1873 .1873 .2498	.1248 .1873 .2498 .1873 .2498 .2498	10.0 IN. LBS	.10 IN. LBS	1.00	.75	.56	.21	.11	.47	#4-40
JB-R-10 JB-R-11 JB-R-12 JB-R-13 JB-R-14 JB-R-15	.3123 .3123 .3123 .3748 .3748 .4998	.3123 .3748 .4998 .3748 .4998 .4998	80.0 IN. LBS	.25 IN.LBS	1.48	1.38	1.00	.33	.20	.73	#10-32

Locking R.H. Hub, L.H. drives clockwise

BORE SIZES	STYLE	MATERIAL
1/8" TO 1/2"	COUNTER-CLOCKWISE	416 STAINLESS STEEL HUB RC26-32 DELRIN CENTER

STOCK NO.	A	B	MAX DRIVE TORQUE	MAX DRAG TORQUE	C	D	E	F	G	H	SET SCREW
JB-L-4 JB-L-5 JB-L-6 JB-L-17 JB-L-8 JB-L-9	.1248 .1248 .1248 .1873 .1873 .2498	.1248 .1873 .2498 .1873 .2498 .2498	10.0 IN. LBS	.10 IN. LBS	1.00	.75	.56	.21	.11	.47	#4-40
JB-L-10 JB-L-11 JB-L-12 JB-L-13 JB-L-14 JB-L-15	.3123 .3123 .3123 .3748 .3748 .4998	.3123 .3748 .4998 .3748 .4998 .4998	80.0 IN. LBS	.25 IN. LBS	1.48	1.38	1.00	.33	.20	.73	#10-32





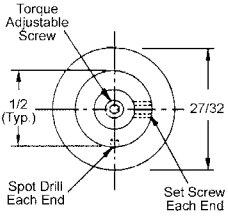
Locking R.H. Hub, L.H. drives counter-clockwise

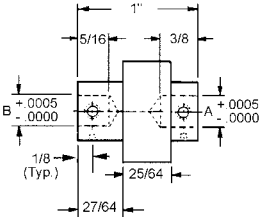
Drive load in one direction.
Clutch rotates freely in opposite direction

Note: Backlash is less than 1° (degree) in driving direction.

SLIP COUPLINGS

BORE SIZES	TORQUE	MATERIAL
1/8" TO 1/4"	ADJUSTABLE SEE GRAPH BELOW	STAINLESS STEEL HOUSING



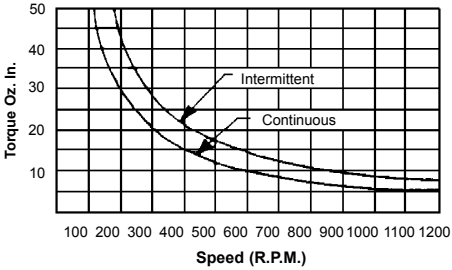




PIN HUB STOCK NUMBER	A BORE	B BORE
JK-1	.1250	.1250
JK-2	.1250	.1875
JK-3	.1250	.2500
JK-4	.1875	.1875
JK-5	.1875	.2500
JK-7	.2500	.2500

CLAMP HUB STOCK NUMBER	A BORE	B BORE	CLAMP
JK-2C	.1250	.1875	CG1-5/-8
JK-3C	.1250	.2500	CG1-5/-12
JK-4C	.1875	.1875	CG1-8/-8
JK-5C	.1875	.2500	CG1-8/-12
JK-7C	.2500	.2500	CG1-12/-12

- Bi-Directional
- No Lubrication required
- Rulon clutch faces for smooth operation and long life at high speeds
- Consistent breakaway torques and performance at slip speeds up to 1200 R.P.M
- Slip torque is set and may be adjusted



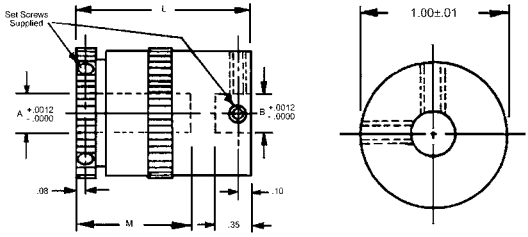
Note:
Clutch capacity can be determined by use of the chart. The curves are based on a predetermined maximum temperature rise in the clutch when operated in an ambient temperature of 70ÞF. The intermittent curve applies to applications where the slipping period is 10 minutes or less and the cooling period is equal or greater.

Torque settings are maintained within plus or minus 20% over the full speed range. Stability is improved for constant speed applications.

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SLIP COUPLINGS

BORE SIZES	TORQUE	MATERIAL
1/4" AND 5/16"	**ADJUSTABLE FROM 3.402 OZ.IN. TO 187.4 OZ.IN.**	HOUSING ADJUSTER PINS: ALUMINUM ALLOY WITH ALOCROM; FINISH ADAPTERS, HUBS AND PLATES: HEAT TREATED STEEL, BRONZE BEARING

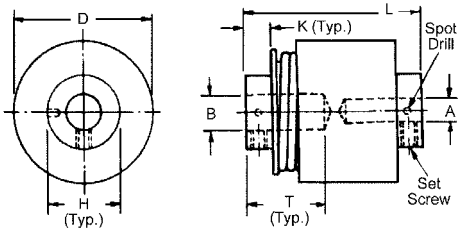


STOCK NO.	A BORE	B BORE	L	M	ADJUSTABLE TORQUE RANGE		WEIGHT
					MIN.	MAX.	
JJ-25 JJ-26	2500 .3125	.2500 .3125	1.42	.98	3.4 IN. OZ.	76.0 IN. OZ.	50g
JJ-27 JJ-28	.2500 .3125	.2500 .3125	1.65	1.22	11.0 IN. OZ.	187.4 IN. OZ.	61g



SLIP COUPLINGS

BORE SIZES	TORQUE	MATERIAL
1/8" AND 3/4"	ADJUSTABLE 5 OZ.IN. TO 320 OZ.IN.	STAINLESS STEEL



STOCK NO.	BORE +.0006 -.0000		L ±.02	D ±.02	H ±.02	K ±.02	T	TORQUE Bi DIRECTION (OZ. IN.)
	A	B						
JJ-1 JJ-2 JJ-3	.1250 .1250 .1875	.1250 .1875 .1875	.89	.50	.37	.17	.43	5 ± .7
JJ-4 JJ-5 JJ-6	.1875 .1875 .2500	.1875 .2500 .2500	1.11	.75	.50	.19	.50	12 ± 1.2
JJ-7 JJ-8 JJ-9	.1875 .1875 .2500	.1875 .2500 .2500	1.26	1.00	.50	.19	.55	20 ± 2
JJ-10 JJ-11 JJ-12	.2500 .2500 .3750	.2500 .3750 .3750	1.43	1.25	.62	.25	.62	48 ± 5
JJ-13 JJ-14	.3125 .3750	.3125 .3750	1.59	1.50	.75	.25	.73	88 ± 9
JJ-15 JJ-16 JJ-17	.3750 .3750 .5000	.3750 .5000 .5000	1.84	1.87	.87	.28	.85	120 ± 12
JJ-18 JJ-19 JJ-20 JJ-21 JJ-22 JJ-23 JJ-24	.3750 .3750 .5000 .5000 .6250 .6250 .7500	.3750 .5000 .5000 .6250 .6250 .7500 .7500	2.25	2.25	1.25	.38	1.00	240 ± 24
JJ-18-X JJ-19-X JJ-20-X JJ-21-X JJ-22-X JJ-23-X JJ-24-X	.3750 .3750 .5000 .5000 .6250 .6250 .7500	.3750 .5000 .5000 .6250 .6250 .7500 .7500	2.25	2.25	1.25	.38	1.00	320 ± 10

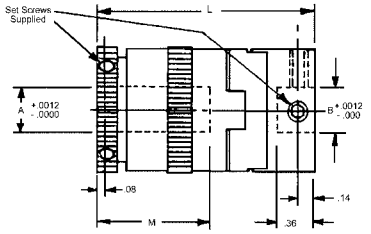
- Shaft to Shaft misalignment to .010 max.
- Anqular misalignment 3° max.
- Can run under continuous slip operation

Torque limits calibrated to 5% torques from 1/2 oz./in. to 480 oz./in. available on request.

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OLDHAM SLIP COUPLINGS

BORE SIZES	TORQUE	MATERIAL
1/4" AND 5/16"	ADJUSTABLE 3.4 OZ.IN. TO 187.4 OZ.IN.	HOUSING ADJUSTER PINS: ALUMINUM ALLOY WITH ALOCROM; FINISH ADAPTERS, HUBS AND PLATES: HEAT TREATED STEEL, BRONZE BEARING



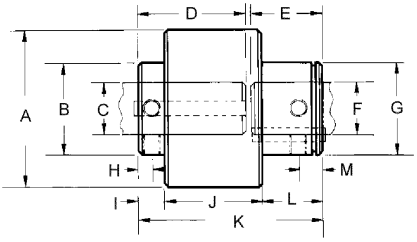


STOCK NO.	A BORE	B BORE	L	M	ADJUSTABLE TORQUE RANGE		WEIGHT
					MIN.	MAX.	
JJ-20 JJ-30	2500 .3125	.2500 .3125	1.83	.98	3.4 IN. OZ.	76.0 IN. OZ.	57g
JJ-31 JJ-32	.2500 .3125	.2500 .3125	2.07	1.22	11.0 IN. OZ.	187.4 IN. OZ.	68g

- Bi-Directional
- Maximum operating temperature 175°F
- Maximum backlash 2°

TORQUE LIMITERS

BORE SIZES	TORQUE	MATERIAL
1/2" AND 3/4"	BIDIRECTIONAL 18 IN.-LBS TO 100 IN.-LBS.	6151 STEEL



STOCK NO.	C	F	A REF	D.	G	I REF.	J	K REF.	L	TORQUE (IN.-LBS.)	B	E	H/M
JTT2X18-1 JTT2X18-2 JTT2X18-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	18	1.500	1.110	.312
JTT2X24-1 JTT2X24-2 JTT2X24-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	24	1.500	1.110	.312
JTT2X28-1 JTT2X28-2 JTT2X28-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	28	1.500	1.110	.312
JTT2X40-1 JTT2X40-2 JTT2X40-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	40	1.500	1.110	.312
JTT2X50-1 JTT2X50-2 JTT2X50-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	50	1.500	1.110	.312
JTT2X60-1 JTT2X60-2 JTT2X60-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	60	1.500	1.110	.312
JTT2X90-1 JTT2X90-2 JTT2X90-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	90	1.500	1.110	.312
JTT2X100-1 JTT2X100-2 JTT2X100-3	.500 .625 .750	.500 .625 .750	2.500	1.805	1.625	0.455	1.500	2.950	1.000	100	1.500	1.110	.312

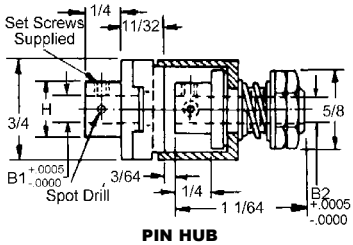
Other Bores/Torques are available.



INLINE COUPLING SLIP CLUTCH

BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/4"	PIN HUB	ADJUSTABLE 0-25 OZ.IN	303 STAINLESS STEEL

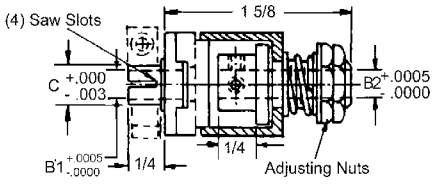
STOCK NO.	B1	B2	H	ADJUSTABLE SLIP TORQUE
CO16-1	.1248	.1248	5/16	0-25 OZ. IN.
CO16-2	.1873	.1873	3/8	
CO16-3	.2498	.2498	1/2	
CO16-4	.1248	.1873	3/8	
CO16-5	.1248	.2498	1/2	
CO16-6	.1873	.2498	1/2	



PIN HUB

BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/4"	CLAMP HUB	ADJUSTABLE 0-25 OZ.IN	303 STAINLESS STEEL

STOCK NO.	B1	B2	H	ADJUSTABLE SLIP TORQUE
CO17-1	.1248	.1248	3/16	0-25 OZ. IN.
CO17-2	.1873	.1873	1/4	
CO17-3	.2498	.2498	5/16	
CO17-4	.1248	.1873	1/4	
CO17-5	.1248	.2498	5/16	
CO17-6	.1873	.2498	5/16	



CLAMP HUB

SLIP CLUTCH

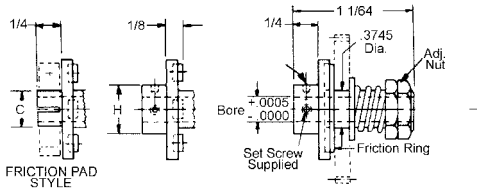
BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/4"	PIN HUB	ADJUSTABLE 0 OZ.IN. TO 50 OZ.IN	303 STAINLESS STEEL

STOCK NO.	BORE SIZE	H	D	FRICTION FACE	ADJUSTABLE SLIP TORQUE
JC-10 JC-11 JC-12	.1248 .1873 .2498	5/16 3/8 1/2	5/8	FRICTION RING	0 TO 10 OZ. IN.
JC-10-50 JC-11-50 JC-12-50	.1248 .1873 .2498	5/16 3/8 1/2	5/8	FRICTION RING	10 TO 50 OZ. IN.
JA-1 JA-2 JA-3	.1248 .1873 .2498	5/16 3/8 1/2	1	FRICTION RING	10 TO 50 OZ. IN.
JC-1 JC-2 JC-3	.1248 .1873 .2498	5/16 3/8 1/2	1	FRICTION PADS	0 TO 10 OZ. IN.
JC-1-50 JC-2-50 JC-3-50	.1248 .1873 .2498	5/16 3/8 1/2	1	FRICTION PADS	10 TO 50 OZ. IN.

BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/4"	CLAMP HUB	ADJUSTABLE 10 OZ.IN. TO 50 OZ.IN	303 STAINLESS STEEL

STOCK NO.	BORE SIZE	H	D	FRICTION FACE	ADJUSTABLE SLIP TORQUE
JA-1C JA-2C JA-3C	.1248 .1873 .2498	3/16 1/4 5/16	1	FRICTION RING	10 TO 50 OZ. IN.
JC-1C JC-2C JC-3C	.1248 .1873 .2498	3/16 1/4 5/16	1	FRICTION PADS	0 TO 10 OZ. IN.
JC-1-50C JC-2-50C JC-3-50C	.1248 .1873 .2498	3/16 1/4 5/16	1	FRICTION PADS	10 TO 50 OZ. IN.

CLAMP HUB **PIN HUB**

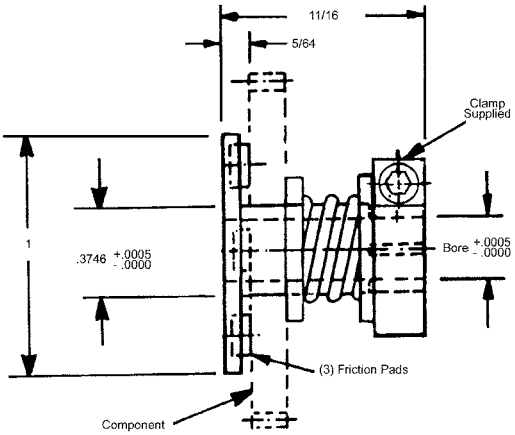




Order gears and clamps separately.

SLIP CLUTCH

BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/4"	CLAMP HUB	ADJUSTABLE 0 OZ.IN. TO 100 OZ.IN.*	303 STAINLESS STEEL





- Use with gears, sprockets, pulleys, ratchets, cams, or other components with 3/8" bores.

STOCK NO.	BORE	COMPONENT THICKNESS (IN.)	ADJUSTABLE SLIP TORQUE (IN.)
JC-7 JC-8 JC-9	.1248 .1873 .2498	1/16 THROUGH 1/8	1/16 - 0 TO 15 OZ. IN. 1/8 - 5 TO 30 OZ. IN.
JC-7-50 JC-8-50 JC-9-50	.1248 .1873 .2498	1/16 THROUGH 1/8	1/16 - 15 TO 50 OZ. IN. 1/8 - 25 TO 100 OZ.IN.

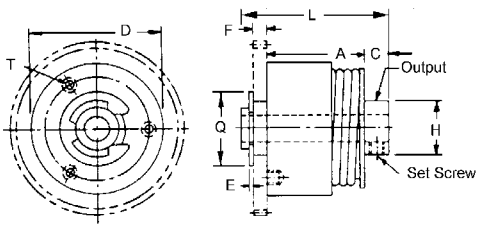
* Adjustable by varying spring force.

SLIP CLUTCH

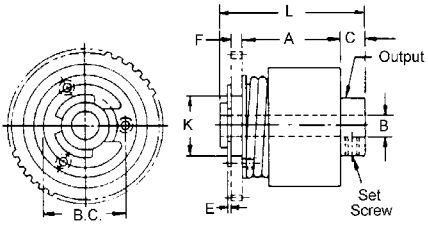
BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/2"	1 AND 2	BI-DIRECTIONAL 9 OZ. IN. TO 320 OZ. IN.	STAINLESS STEEL BRONZE BEARINGS

STOCK NO.	B BORE +.0007 -.0000	TORQUE BI-DIRECTIONAL	K DIA. -.0008	L	A	C	STYLE	D	T (DEPTH)	B.C.	F	Q (MAX.)	E	H
JH-1	.1248	9 OZ. IN. ± 1	.3740	1.05	.72	.18	1	.63	#0-80 x .08	.500	.080	.45	.03	.38
JH-1A	.1873	9 OZ. IN. ± 1	.3740	1.05	.72	.18	1	.63	#0-80 x .08	.500	.080	.33	.03	.38
JH-2	.1873	20 OZ. IN. ± 2	.4990	1.24	.85	.21	1	1.00	#1-72 x .10	.650	.095	.68	.04	.50
JH-3	.2498	20 OZ. IN. ± 2	.4990	1.24	.85	.21	1	1.00	#1-72 x .10	.650	.095	.68	.04	.50
JH-3A	.3123	20 OZ. IN. ± 2	.4990	1.24	.85	.21	1	1.00	#1-72 x .10	.650	.095	.68	.04	.50
JH-4	.2498	48 OZ. IN. ± 5	.4990	1.39	.94	.23	1	1.25	#2-56 x .11	.925	.130	.68	.04	.50
JH-4A	.3123	48 OZ. IN. ± 5	.4990	1.39	.94	.23	1	1.25	#2-56 x .11	.925	.130	.68	.04	.50
JH-5	.2498	80 OZ. IN. ± 8	.4990	1.39	.94	.23	1	1.50	#2-56 x .11	.925	.130	.68	.04	.63
JH-5A	.3123	80 OZ. IN. ± 8	.4990	1.39	.94	.23	1	1.50	#2-56 x .11	.925	.130	.68	.04	.63
JH-6	.2498	120 OZ. IN. ± 12	.4990	1.67	1.20	.25	1	1.87	#4-40 x .15	.750	.130	.68	.04	.63
JH-6A	.3123	120 OZ. IN. ± 12	.4990	1.67	1.20	.25	1	1.87	#4-40 x .15	.750	.130	.68	.04	.63
JH-7 JH-8 JH-9 JH-10	.2498 .3123 .3748 .4998	240 OZ. IN. ± 24	.7490	1.88	1.34	.29	2	2.25	#4-40 x .17	1.170	.130	.74	.04	1.00
JH-7-X JH-8-X JH-9-X JH-10-X	.2498 .3123 .3748 .4998	320 OZ. IN. ± 24	.7490	1.88	1.34	.29	2	2.25	#4-40 x .17	1.170	.130	.74	.04	1.00

- Torques from 1/2 oz. in. to 480 oz. in. are available on request.
- Torque limits calibrated to 5% on request.



STYLE 1

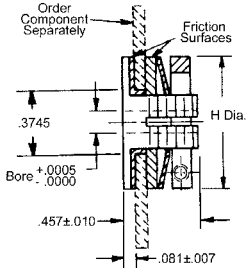


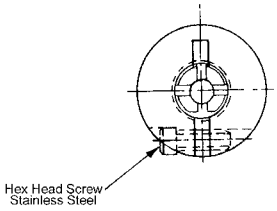
STYLE 2

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MINIATURE SLIP CLUTCH

BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/4"	CLAMP HUB	ADJUSTABLE 0 OZ.IN. TO 50 OZ.IN.*	ANODIZED ALUMINUM







STOCK NO.	H	BORE	COMPONENT THICKNESS (IN.)
JA-4	.625	.1248	1/16 THROUGH 1/8
JA-5	.625	.1873	
JA-6	.750	.2498	

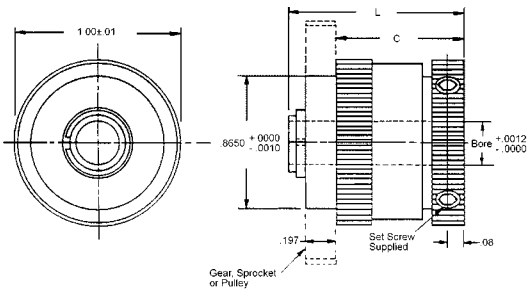
- Use with gears, sprockets, pulleys, ratchets, cams, or other components with 3/8" bores.

Special bore sizes available on request.

* Adjusted by varying spring force.

SLIP CLUTCHES AND COUPLINGS

BORE	TORQUE	MATERIAL
1/4" TO 5/16"	ADJUSTABLE 3.4 OZ.IN. TO 187.4 OZ.IN.	STAINLESS STEEL BRONZE BEARING





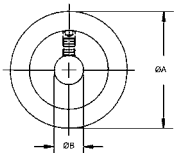
- Maximum operating temperature 175°F
- Maximum backlash 2°
- Bi-directional
- Fine-knurled torque adjustment rings

STOCK NO.	BORE	L	C	ADJUSTABLE TORQUE RANGE		WEIGHT
				MIN.	MAX.	
JH-11 JH-12	.2500 .3125	1.04	.79	3.4 IN. OZ.	76.0 IN.OZ.	37g
JH-13 JH-14	.2500 .3125	1.28	1.03	11.0 IN. OZ.	187.4 N.OZ	48g

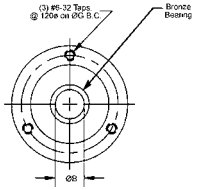
BORE	STYLE	TORQUE	MATERIAL
1/8" TO 1/2"	OPEN OR CLOSED	ADJUSTABLE 4.80 OZ.IN. TO 400 OZ.IN.	STAINLESS STEEL BRONZE BEARING

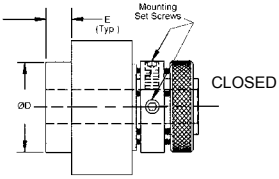
SHAFT TO COMPONENT	SHAFT TO SHAFT	ØB +.002 -.000	ØA	C	ØD	E	ØG	ADJUSTABLE TORQUE RANGE	STYLE
JCL-1 JCL-2 JCL-3	JCO-1 JCO-2 JCO-3	.125 .187 .250	1.00	1.31	.50	.25	.750	4.8 TO 160 IN. OZ.	CLOSED
JCL-4 JCL-5 JCL-6	JCO-4 JCO-5 JCO-6	.250 .375 .500	1.50	2.50	1.00	.37	1.250	8 TO 400 IN. OZ.	OPEN

SLIP COUPLING
JCO SERIES - CLOSED



SLIP CLUTCH
JCL SERIES - CLOSED

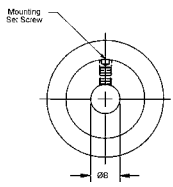




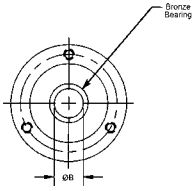
CLOSED

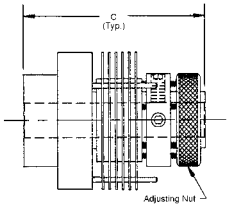


SLIP COUPLING
JCO SERIES - OPEN



SLIP CLUTCH
JCL SERIES - OPEN

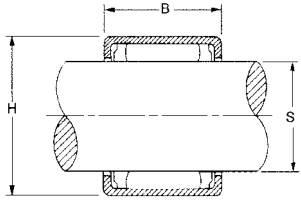




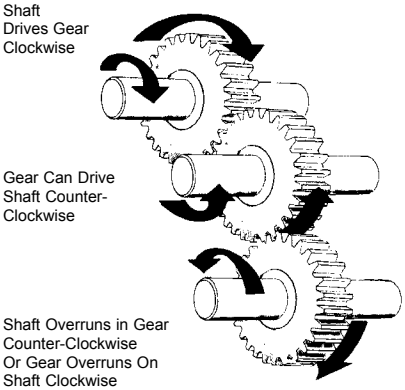
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ROLLER CLUTCHES

BORE	STYLE	MATERIAL
1/8" TO 3/4"	DRAWN CUP DESIGN ONE DIRECTIONAL DRIVE	ROLLER CUP - CASE HARDENED STEEL; NEEDLE BEARINGS - 52100 HARDENED CHROME STEEL; SPRINGS - STAINLESS STEEL; CAGE - NYLON 66 (or Equiv.)



- Ideal For Indexing, Backstopping Or Overrunning Operations
- Free Rolling One Way, Drives In Opposite Direction
- Light Weight, Low Profile
- High Indexing, Frequency
- Temp. Range, Grease - 50Þ To + 160ÞF
- Minimum Backlash





* HARDENED SHAFTING STOCK LENGTH 12 INCHES OTHER LENGTHS ON REQUEST	
SHAFTING STOCK NO.	SHAFT DIAMETER S +.0000 -.0005
---	.1250
---	.2500
LMS-46-12	.3750
LMS-48-12	.5000
LMS-50-12	.6250
LMS-52-12	.7500

STOCK NO.	BORE	H CLUTCH (O.D.)	B +.000 -.008	MAX TORQ LB. IN.	HOUSING DIAMETER +.0010 -.0000	OVERRUN SPEED (MAX) (RPM)
NRC-2**	1/8	9/32	.250	2.86	.2812	50,000
NRC-4	1/4	7/16	.500	18.6	.4370	21,000
NRC-6	3/8	5/8	.500	50.4	.6245	14,000
NRC-8	1/2	3/4	.500	85.9	.7495	11,000
NRC-10	5/8	7/8	.625	175.2	.8745	8,500
NRC-12	3/4	1"	.625	247.8	.9995	7,000

* Order Shaft Separately.
** Utilizes a one-piece cage of acetal resin plastic with integral leaf style spring.