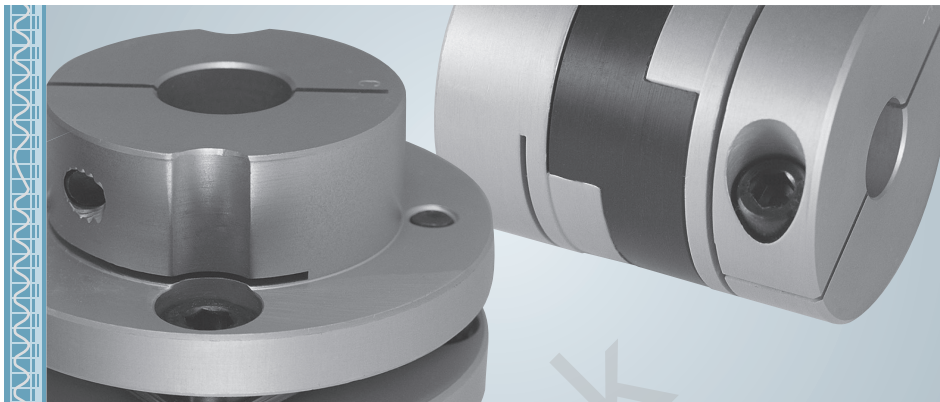




Introduction	1
Beam Couplings	3-6
CL1 Miniature Series	
CL2 Series	
CL7 Series	
Bellows Couplings	7-8
CL6 Series	
CL14 Series	
Curved Jaw Couplings	9-14
CL8 Series	
CL10 Series	
CL16 Economy Series	
CL17 Economy Series	
CL20 Economy Series	
CL19 General Duty Series	
Disc Couplings	15-21
CL3 Miniature Series	
CL5 Series	
CL9 Heavy Duty Series	
CL11 Heavy Duty Series	
CL15 Heavy Duty Series	
CL18 Economy Series	
Encoder Couplings	22
CL12 Series	
Oldham Couplings	23
CL4 Series	
Rigid Couplings	24
CL13 Miniature Series	
Conversion Formulas	25
Quick Reference Guide	26
Technical Data	27-28
Coupling Selection Table	
Shaft Connecting Configurations	
Misalignment	
Bore/Keyway Tables	

Beam Couplings

CL1 Miniature Series

- One-piece metallic beam coupling
- Zero backlash, flexible shaft
- Spiral and parallel cut designs available
- Accommodates misalignment and shaft endplay
- Identical clockwise and counterclockwise rotational characteristics
- Available in aluminum or stainless steel
- Multiple bore and shaft connecting configurations



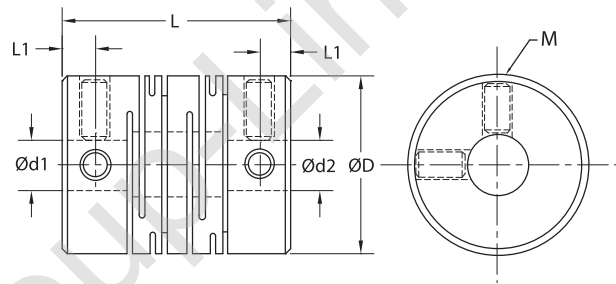
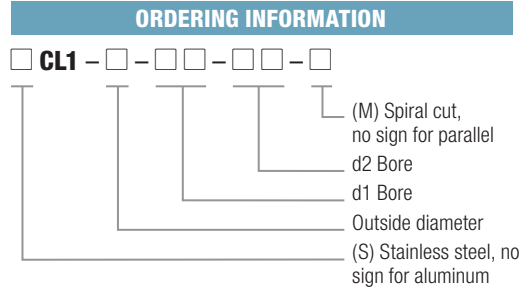
Aluminum



Stainless Steel

CL1 OPTIONS

Aluminum 6061
Stainless Steel 303
Spiral
Parallel
Setscrew



Parallel shown; spiral and parallel dimensions are identical.

CL1 PARALLEL AND SPIRAL DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	M	Wrench Torque
	Parallel and Spiral Models						
	in	mm	mm	mm	mm	metric	Nm
CL1-M15 SCL1-M15	0.12-0.20	3-5	15.5	21	2.6	M3	0.7
CL1-15 SCL1-15	0.12-0.20	3-5	15.5	23	3.1	M3	0.7
CL1-17 SCL1-17	0.16-0.24	4-6	17.5	23	3.1	M3	0.7
CL1-19 SCL1-19	0.20-0.31	5-8	19.5	24.5	3.5	M4	1.5

CL1 PARALLEL AND SPIRAL SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia	Static Torsional Stiffness	Errors of Eccentricity (mm)		Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)	Mass (g)
	lb-in	Nm	lb-in	Nm	rpm	kg•m ²	Nm/rad	Parallel	Spiral	Parallel	Spiral	Parallel and Spiral	
CL1-M15	1.77	0.2	3.54	0.4	13000	3.0×10^{-7}	35	0.1	0.12	1.5	2	± 0.15	10
CL1-15	1.77	0.2	3.54	0.4	13000	3.2×10^{-7}	36	0.1	0.12	1.5	2	± 0.15	10
CL1-17	2.65	0.3	5.31	0.6	12000	6.1×10^{-7}	65	0.1	0.12	1.5	2	± 0.25	12
CL1-19	3.54	0.4	7.08	0.8	10000	8.5×10^{-7}	100	0.1	0.12	1.5	2	± 0.25	14
SCL1-M15	2.65	0.3	5.31	0.6	13000	8.7×10^{-7}	70	0.1	0.12	1.5	2	± 0.15	28
SCL1-15	2.65	0.3	5.31	0.6	13000	8.9×10^{-7}	72	0.1	0.12	1.5	2	± 0.15	30
SCL1-17	3.54	0.4	7.08	0.8	12000	1.5×10^{-6}	160	0.1	0.12	1.5	2	± 0.25	34
SCL1-19	7.96	0.9	15.93	1.8	10000	2.0×10^{-6}	205	0.1	0.12	1.5	2	± 0.25	40

Beam Couplings

CL2 Series



Aluminum



Stainless Steel

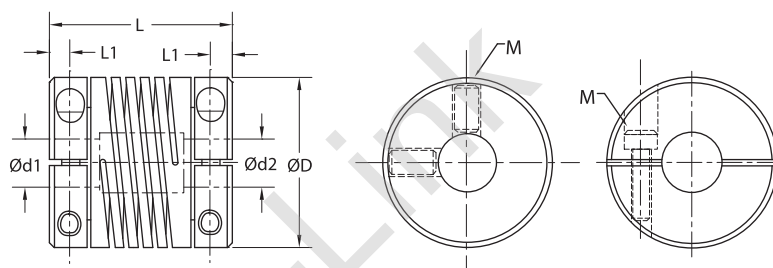
CL2 OPTIONS

Aluminum 6061
Stainless Steel 303
Spiral
Parallel
Setscrew
Clamp

ORDERING INFORMATION

CL2 - - - - -

(M) Spiral cut,
no sign for parallel
d2 Bore
d1 Bore
Outside diameter
(C) Clamp, no sign
for setscrew
(S) Stainless steel, no
sign for aluminum



Spiral shown; spiral and parallel dimensions are identical.

CL2 PARALLEL AND SPIRAL DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		L1		M		Wrench Torque	
	Setscrew and Clamp			Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp
	in	mm	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL2-075 SCL2-075	0.11-0.25	3-6.35	19.1	19.1	22.9	2.55	3.1	M3	M2.5	0.7	1
CL2-100 SCL2-100	0.19-0.39	5-10	25.4	25.4	31.8	3.55	4.15	M4	M3	1.7	1.5
CL2-112 SCL2-112	0.23-0.50	6-12.7	28.6	28.6	38.1	3.6	5	M5	M3	1.7	2
CL2-150 SCL2-150	0.31-0.59	8-15	38.1	38.1	41.3	4.15	5.9	M5	M5	3.8	4
CL2-200 SCL2-200	0.47-0.74	12-19	50.8	50.8	51	5.25	6.7	M6	M6	4	7.5

CL2 PARALLEL AND SPIRAL-SETSCREW SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m²)		Static Torsional Stiffness	Errors of Eccentricity (mm)		Errors of Shaft Angularity (°C)		Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm		Parallel	Spiral		Parallel	Spiral	Parallel	Spiral		Parallel	Spiral
CL2-075	4.42	0.5	8.85	1.0	10000	6.6X10 ⁻⁷	6.9x10 ⁻⁷	110	0.1	0.1	1.5	2	±0.15	12	12
CL2-100	12.30	1.4	24.78	2.8	10000	2.6X10 ⁻⁶	2.8x10 ⁻⁶	170	0.1	0.1	1.5	2	±0.15	26	28
CL2-112	14.10	1.6	28.32	3.2	8000	4.9X10 ⁻⁶	5.1x10 ⁻⁶	260	0.1	0.1	1.5	2	±0.15	42	44
CL2-150	37.10	4.2	74.34	8.4	8000	1.9X10 ⁻⁵	2.1x10 ⁻⁵	330	0.15	0.1	1.5	2	±0.15	76	78
CL2-200	79.60	9.0	159.30	18.0	6000	8.9X10 ⁻⁵	9.0x10 ⁻⁵	560	0.15	0.1	1.5	2	±0.15	128	130
SCL2-075	8.85	1.0	17.70	2.0	10000	2.1X10 ⁻⁶	2.2x10 ⁻⁶	230	0.1	0.1	1.5	2	±0.15	34	36
SCL2-100	19.40	2.2	38.94	4.4	10000	6.8X10 ⁻⁶	7.0x10 ⁻⁶	320	0.1	0.1	1.5	2	±0.15	74	76
SCL2-112	27.43	3.1	54.87	6.2	8000	2.2X10 ⁻⁵	2.3x10 ⁻⁵	790	0.1	0.1	1.5	2	±0.15	118	120
SCL2-150	66.37	7.5	132.75	15.0	8000	8.2X10 ⁻⁵	8.3x10 ⁻⁵	980	0.15	0.1	1.5	2	±0.15	212	214
SCL2-200	123.90	14.0	247.80	28.0	6000	2.1X10 ⁻⁴	2.7x10 ⁻⁴	1450	0.15	0.1	1.5	2	±0.15	358	362

Beam Couplings

CL2 Series

CL2 PARALLEL AND SPIRAL-CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m ²)		Static Torsional Stiffness	Errors of Eccentricity (mm)	Errors of Shaft Angularity (°C)		Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm		rpm	Parallel			Spiral	Nm/rad		Parallel and Spiral	Parallel
CL2-C075	4.42	0.5	8.85	1.0	8000	9.0x10 ⁻⁷	9.0X10 ⁻⁷	110	0.1	1.5	2	±0.15	14	14
CL2-C100	12.30	1.4	24.78	2.8	6000	2.5x10 ⁻⁶	2.6X10 ⁻⁶	170	0.1	1.5	2	±0.15	32	34
CL2-C112	14.10	1.6	28.32	3.2	5000	8.8x10 ⁻⁶	8.9X10 ⁻⁶	260	0.1	1.5	2	±0.15	46	48
CL2-C150	37.10	4.2	74.34	8.4	4500	3.0x10 ⁻⁵	3.2X10 ⁻⁵	330	0.1	1.5	2	±0.15	92	96
CL2-C200	79.60	9.0	159.30	18.0	4500	9.6x10 ⁻⁵	9.8X10 ⁻⁵	560	0.1	1.5	2	±0.15	136	140
SCL2-075	8.85	1.0	17.70	2.0	8000	2.3x10 ⁻⁶	2.4X10 ⁻⁶	230	0.1	1.5	2	±0.15	40	40
SCL2-C100	19.40	2.2	38.94	4.4	6000	7.2x10 ⁻⁶	7.3X10 ⁻⁶	320	0.1	1.5	2	±0.15	90	96
SCL2-C112	27.43	3.1	54.87	6.2	5000	2.4x10 ⁻⁵	2.6X10 ⁻⁵	790	0.1	1.5	2	±0.15	128	134
SCL2-C150	66.37	7.5	132.75	15.0	4500	8.4x10 ⁻⁵	8.6X10 ⁻⁵	980	0.1	1.5	2	±0.15	256	268
SCL2-C200	123.90	14.0	247.80	28.0	4500	2.8x10 ⁻⁴	3.0X10 ⁻⁴	1450	0.1	1.5	2	±0.15	380	392

Beam Couplings

CL7 Series



Aluminum



Stainless Steel

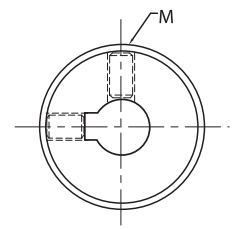
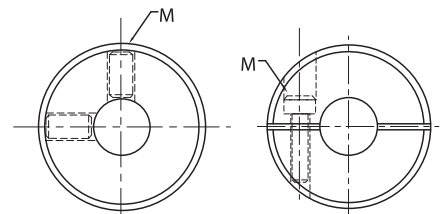
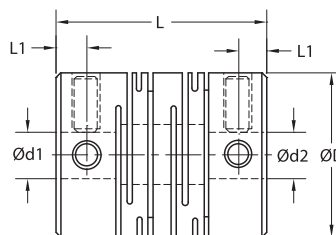
CL7 OPTIONS

Aluminum 6061
Stainless Steel 303
Parallel
Setscrew
Clamp
Keyway & Setscrew

ORDERING INFORMATION

CL7 - - - - -

d2 Bore
d1 Bore
Outside Diameter
(C) Clamp, (K) Keyway,
no sign for setscrew
(S) Stainless steel, no
sign for aluminum



*Keyway available in the following sizes: 32, 40, 50, and 63

CL7 SETSCREW KEYWAY AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)				ØD	L	L1		M		Wrench Torque	
	Setscrew and Clamp		Keyway		Setscrew, Clamp and Keyway		Setscrew Keyway	Clamp	Setscrew Keyway	Clamp	Setscrew Keyway	Clamp
	in	mm	in	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL7-12 SCL7-12	0.11-0.19	3-5	N/A	N/A	12	18.5	2.5	2.5	M2.5	M2	0.5	0.5
CL7-16 SCL7-16	0.15-0.25	4-6.35	N/A	N/A	16	23	3	3.25	M3	M2.5	0.7	1
CL7-20 SCL7-20	0.19-0.37	5-9.52	N/A	N/A	20	26	3	3.75	M3	M2.5	0.7	1
CL7-25 SCL7-25	0.31-0.47	8-12	N/A	N/A	25	31	4	4.25	M4	M3	1.7	1.5
CL7-32 SCL7-32	0.39-0.55	10-14	0.39-0.55	10-14	32	41	6	6	M4	M4	1.7	2.5
CL7-40 SCL7-40	0.39-0.70	10-18	0.47-0.70	12-18	40	56	8.5	8.5	M5	M5	4	4
CL7-50 SCL7-50	0.47-0.94	12-19	0.55-0.78	14-20	50	71	10.5	10.5	M6	M6	7	8
CL7-63 SCL7-63	0.55-0.94	14-24	0.70-1.18	18-30	63	90	13	13	M8	M8	15	16

CL7 SETSCREW KEYWAY AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)	Errors of Shaft Angularity (°C)	Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp Keyway*	Setscrew Keyway*	Clamp	Setscrew Keyway*	Clamp	Setscrew Keyway and Clamp			Setscrew Keyway*	Clamp
CL7-12	4.42	0.5	8.85	1.0	30000	10000	8.2x10 ⁻⁸	7.6x10 ⁻⁸	33	34	0.1	1.5	± 0.3	4	4
CL7-16	7.08	0.8	14.16	1.6	22000	9300	3.2x10 ⁻⁷	3.2x10 ⁻⁷	46	46	0.1	1.5	± 0.3	8	8
CL7-20	9.73	1.1	19.47	2.2	18000	7500	8.8x10 ⁻⁶	8.8x10 ⁻⁶	115	118	0.1	1.5	± 0.3	16	18
CL7-25	12.30	1.4	24.78	2.8	14000	6000	2.5x10 ⁻⁶	2.5x10 ⁻⁶	165	167	0.15	1.5	± 0.35	28	32
CL7-32	24.78	2.8	49.56	5.6	10000	4600	9.5x10 ⁻⁶	9.6x10 ⁻⁶	270	228	0.15	1.5	± 0.35	62	66
CL7-40	55.75	6.3	111.51	12.6	9400	3600	3.1x10 ⁻⁵	3.2x10 ⁻⁵	345	346	0.2	1.5	± 0.35	134	138
CL7-50	97.35	11.0	194.70	22.0	7600	3000	1.0x10 ⁻⁵	9x10 ⁻⁵	580	580	0.2	1.5	± 0.35	266	272
CL7-63	194.70	22.0	389.40	44.0	6000	2200	3.0x10 ⁻⁴	3.1x10 ⁻⁴	830	843	0.2	1.5	± 0.35	500	530
SCL7-12	7.08	0.8	14.16	1.6	30000	10000	2.0x10 ⁻⁷	2.1x10 ⁻⁷	60	62	0.1	1.5	± 0.3	12	14
SCL7-16	9.73	1.1	19.47	2.2	22000	9300	8.3x10 ⁻⁷	8.9x10 ⁻⁷	80	83	0.1	1.5	± 0.3	22	26
SCL7-20	14.16	1.6	28.32	3.2	18000	7500	2.2x10 ⁻⁶	2.4x10 ⁻⁶	235	246	0.1	1.5	± 0.3	40	48
SCL7-25	19.47	2.2	38.94	4.4	14000	6000	6.7x10 ⁻⁶	7.0x10 ⁻⁶	315	315	0.15	1.5	± 0.35	74	78
SCL7-32	48.67	5.5	97.35	11.0	10000	4600	2.5x10 ⁻⁵	2.6x10 ⁻⁵	837	845	0.15	1.5	± 0.35	162	174
SCL7-40	76.99	8.7	153.99	17.4	9400	3600	8.6x10 ⁻⁵	8.9x10 ⁻⁵	980	990	0.2	1.5	± 0.35	354	372
SCL7-50	141.60	16.0	283.20	32.0	7600	3000	2.6x10 ⁻⁴	2.7x10 ⁻⁴	1385	1380	0.2	1.5	± 0.35	710	760
SCL7-63	336.30	38.0	672.60	76.0	6000	2200	8.2x10 ⁻⁴	8.7x10 ⁻⁴	1795	1790	0.2	1.5	± 0.35	1310	1410

*Keyway available in the following sizes: 32, 40, 50, and 63

Bellows Couplings

CL6 Series

- Zero backlash, flexible shaft
- High torque, excellent response
- Absorbs angular and parallel misalignment and shaft endplay
- Identical clockwise and counter-clockwise rotation
- Multiple bore and shaft connecting configurations



Setscrew Type

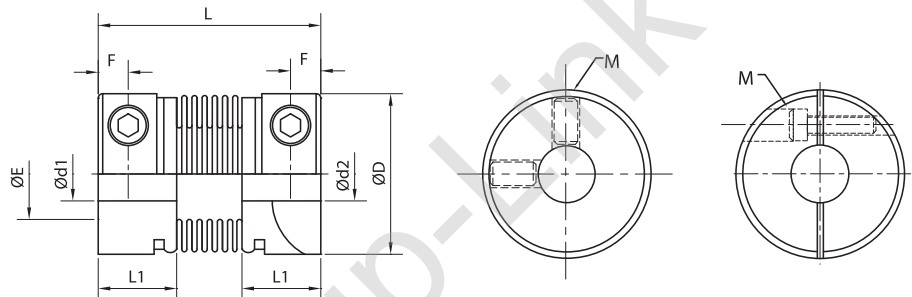
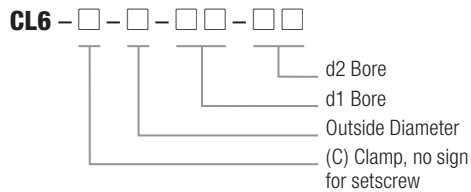


Clamp Type

CL6 OPTIONS

Aluminum Hubs 6061
Stainless Steel Bellows
Setscrew
Clamp

ORDERING INFORMATION



CL6 SETSCREW AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		L1		ØE		F		M		Wrench Torque	
	Setscrew and Clamp			Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamm
	in	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL6-16	0.15-0.31	4-8	16	27	30	8.5	10.5	9.5	9.5	3	4	M3	M3	0.7	0.7
CL6-20	0.23-0.47	6-12	20	29	33	8.5	10.5	12.5	12.5	3	4	M3	M3	0.7	0.7
CL6-25	0.23-0.47	6-12	25	34	38	10.5	12.5	15	15	4	5	M4	M4	1.7	1.7
CL6-32	0.31-0.55	8-14	32	38	43	11.5	14	21	21	4	6	M4	M4	1.7	1.7
CL6-32L	0.31-0.55	8-14	32	49	54	11.5	14	21	21	4	6	M4	M4	1.7	1.7
CL6-40	0.39-0.62	10-16	40	51	62	12.5	21.5	27	27	4.5	6.5	M5	M5	4	4
CL6-55	0.47-0.74	12-19	55	57	72	13.5	23	40	40	5	7	M6	M6	7	8
CL6-C65	0.70-1.49	18-38	65	N/A	81	N/A	25.5	N/A	45	N/A	9	N/A	M8	N/A	15
CL6-C82	0.78-1.65	20-42	82	N/A	103	N/A	34.5	N/A	56	N/A	11	N/A	M10	N/A	28

CL6 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia	Static Torsional Stiffness	Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp						Setscrew	Clamp
CL6-16	7.08	0.8	14.16	1.6	20000	18000	3.4×10^{-7}	100	0.1	1.5	+0.3/-1.0	8	8
CL6-20	13.27	1.5	26.54	3.0	15000	13000	8.9×10^{-7}	160	0.1	1.5	+0.3/-1.0	12	14
CL6-25	17.70	2.0	35.40	4.0	13000	11000	2.8×10^{-6}	220	0.15	2	+0.5/-1.3	28	32
CL6-32	22.12	2.5	44.24	5.0	10000	10000	8.8×10^{-6}	310	0.2	2	+0.5/-1.3	46	52
CL6-32L	22.12	2.5	44.24	5.0	10000	10000	8.9×10^{-6}	310	0.2	2	+0.5/-1.3	52	58
CL6-40	88.50	10.0	177.00	20.0	8000	8000	1.5×10^{-5}	520	0.2	2	+0.7/-1.5	88	98
CL6-55	221.20	25.0	442.40	50.0	6000	6000	2.3×10^{-5}	850	0.2	2	+0.7/-1.5	180	200
CL6-C65	531.00	60.0	1062.00	120.0	N/A	4500	2.8×10^{-5}	960	0.2	2	+0.7/-1.5	N/A	350
CL6-C82	708.00	80.0	1416.00	160.0	N/A	4000	6.0×10^{-5}	1290	0.2	2	+0.7/-1.5	N/A	750



Stainless Steel

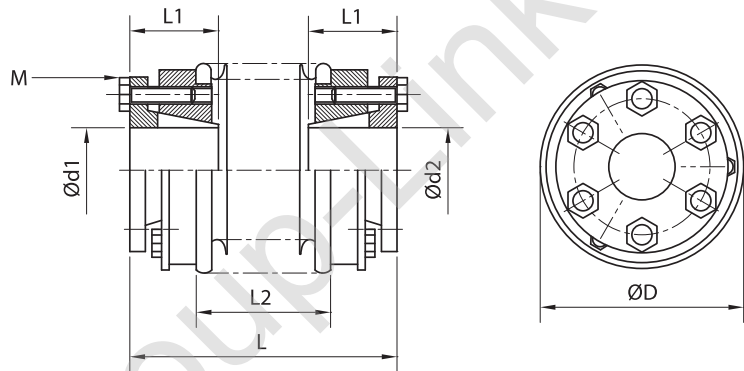
CL14 OPTIONS

Stainless Steel Hubs
Stainless Steel Bellows
Locking Assembly

ORDERING INFORMATION

CL14 - - - -

d2 Bore
 d1 Bore
 Outside Diameter



CL14 LOCKING ASSEMBLY DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	L2	M	Wrench Torque
	Locking Assembly							
	in	mm	mm	mm	mm	mm	metric	Nm
CL14-40	0.39-0.63	10-16	40	55	19	24	M4	3
CL14-55	0.43-0.78	11-20	55	65	22	31	M4	6
CL14-65	0.55-1.10	14-28	65	76	27	37	M5	8
CL14-82	0.74-1.49	19-38	82	88	32	41	M5	10

CL14 LOCKING ASSEMBLY SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia	Static Torsional Stiffness	Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass
	lb-in	Nm	lb-in	Nm	rpm	kg•m ²	Nm/rad	mm	°C	mm	g
CL14-40	115.05	13.0	230.10	26.0	8000	9x10 ⁻⁵	1.5x10 ⁴	0.15	2	1	210
CL14-55	247.80	28.0	495.60	56.0	6000	2.9x10 ⁻⁴	3.5x10 ⁴	0.2	2	1.5	400
CL14-65	495.60	56.0	991.20	112.0	5000	4.6x10 ⁻⁴	6.8x10 ⁴	0.25	2	1.5	790
CL14-82	1062.00	120.0	2124.00	240.0	4500	1.1x10 ⁻³	1.2x10 ⁵	0.28	2	1.5	1210

Curved Jaw Couplings

CL8 Series

- Zero backlash, flexible shaft
- Absorbs vibration, angular and parallel misalignment
- Provides electrical isolation
- Identical clockwise and counterclockwise rotation
- Select up to three spider hardnesses
- Multiple bore and shaft connecting configurations



Setscrew Type



Clamp Type

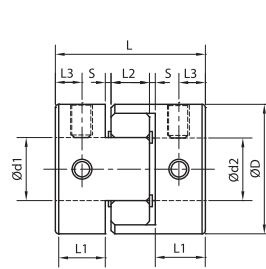
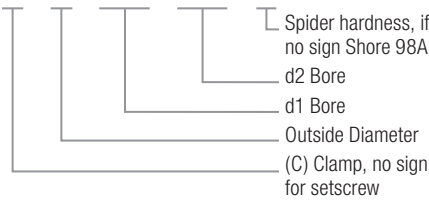
CL8 OPTIONS

Aluminum Hubs 6061
Elastomer Spider-Shore Hardness
-80A (Blue)
-92A (Yellow)
-98A (Red)
Setscrew
Clamp

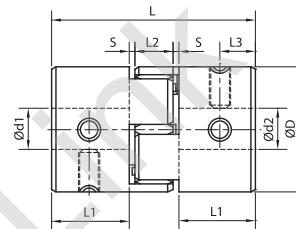
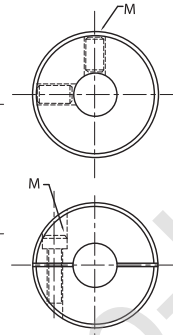
* Blue spider is only available in sizes up to 40 mm O.D.

ORDERING INFORMATION

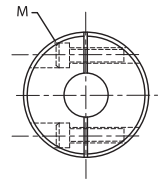
CL8 - □ - □ - □ - □ - □ - □



CL8-14 to -30



CL8-40 to -105



CL8 SETSCREW AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	L2	S	L3		M		Wrench Torque	
	Setscrew and Clamp							Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp
	in	mm	mm	mm	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL8-14	0.07-0.27	2-7	14	22	7	6	1	3.5	3.5	M3	M2.5	1	1
CL8-20	0.15-0.39	4-10	20	30	10	8	1	5	5	M4	M3	1.3	1.3
CL8-25	0.15-0.47	4-12	25	34	11	10	1	5	5	M4	M4	1.5	1.5
CL8-30	0.31-0.62	8-16	30	35	11	10	1.5	5	5	M4	M4	1.7	1.7
CL8-40S	0.55-0.94	14-24	40	55	19.5	12	2	10	10	M5	M6	4	8
CL8-40	0.55-0.94	14-24	40	66	25	12	2	10	10	M5	M6	4	8
CL8-55	0.55-1.10	14-28	55	78	30	14	2	10	10.5	M5	M6	4	8
CL8-65	0.74-1.49	19-38	65	90	35	15	2.5	15	11.5	M8	M8	15	15
CL8-80	0.94-1.77	24-45	80	114	45	18	3	15	15.5	M8	M8	15	15
CL8-95	1.18-2.16	30-55	95	126	50	20	3	20	18	M8	M10	15	25
CL8-105	1.37-2.36	35-60	105	140	56	21	3.5	20	21	M8	M12	15	35

CL8 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia	Static Torsional Stiffness	Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp	kg•m ²	Nm/rad	mm	°C	mm	Setscrew	Clamp
CL8-14	9.73	1.1	19.47	2.2	19000	19000	5.9x10 ⁻⁴	46	0.02	1	+ 0.6	26	26
CL8-20	24.78	2.8	49.56	5.6	17000	17000	6.7x10 ⁻⁴	55	0.02	1	+ 0.6	37	37
CL8-25	53.10	6.0	106.20	12.0	16000	16000	7.6x10 ⁻⁴	63	0.02	1	+ 0.6	42	42
CL8-30	57.52	6.5	115.05	13.0	15000	12000	8.5x10 ⁻⁴	72	0.02	1	+ 0.6	46	50
CL8-40S	283.20	32.0	566.40	64.0	13000	10000	9.4x10 ⁻⁴	500	0.02	1	+ 0.8	140	150
CL8-40	283.20	32.0	566.40	64.0	13000	10000	1.1x10 ⁻³	550	0.02	1	+ 0.8	148	156
CL8-55	407.10	46.0	814.20	92.0	10500	8000	4.4x10 ⁻³	1500	0.02	1	+ 0.8	350	362
CL8-65	964.65	109.0	1929.30	218.0	8300	6000	9.0x10 ⁻³	2800	0.02	1	+ 0.8	572	582
CL8-80	1194.75	135.0	2389.50	270.0	7000	4600	1.8x10 ⁻²	3500	0.02	1	+ 1	950	966
CL8-95	2301.00	260.0	4602.00	520.0	6000	3800	2.0x10 ⁻²	4600	0.02	1	+ 1	1800	1820
CL8-105	3805.50	430.0	7611.00	860.0	5500	3400	3.2x10 ⁻²	5800	0.02	1	+ 1	2400	2430



Locking Assembly

CL10 OPTIONS

Aluminum Hubs 6061

Elastomer Spider-Shore Hardness

-80A (Blue)

-92A (Yellow)

-98A (Red)

Locking Assembly

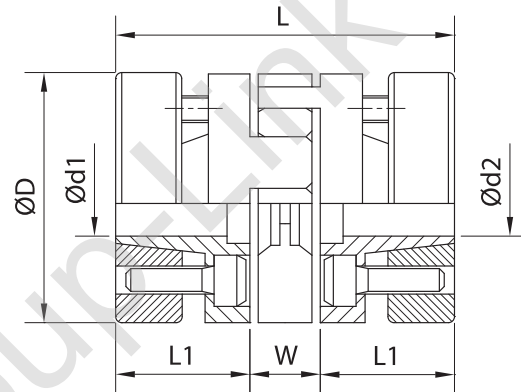
* Blue spider is only available in sizes up to 40 mm O.D.

ORDERING INFORMATION

CL10 - □ - □ - □ - □ - □

Spider hardness, if
no sign Shore 98A
d2 Bore
d1 Bore
Outside Diameter

*Hubs can be paired with CL8 and CL20



CL10 LOCKING ASSEMBLY DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	W	M	Wrench Torque
	in	mm	mm	mm	mm	mm	metric	Nm
CL10-30	0.31-0.55	8-14	30	50	18.5	13	M3 (4)	1.3
CL10-40	0.43-0.78	11-20	40	66	25	16	M4 (6)	2.7
CL10-55	0.55-1.10	14-28	55	78	30	18	M5 (4)	6
CL10-65	0.74-1.49	19-38	65	90	35	20	M5 (8)	6
CL10-80	0.94-1.77	24-45	80	114	45	24	M6 (8)	10
CL10-85	1.18-1.96	30-50	95	126	50	26	M8 (4)	35
CL10-105	1.37-2.36	35-60	105	140	56	28	M8 (4)	35

CL10 LOCKING ASSEMBLY SPECIFICATIONS

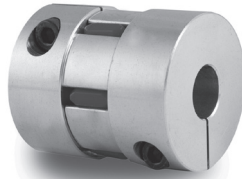
Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia	Static Torsional Stiffness	Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass
	lb-in	Nm	lb-in	Nm							
CL10-30	65.49	7.4	130.98	14.8	20000	8.7x10 ⁻⁴	510	0.02	1	+ 0.6	50
CL10-40	84.07	9.5	168.15	19.0	15000	1.12x10 ⁻³	550	0.02	1	+ 0.8	120
CL10-55	300.90	34.0	601.80	68.0	13000	4.5x10 ⁻³	1510	0.02	1	+ 0.8	280
CL10-65	840.75	95.0	1681.50	190.0	10500	9.1x10 ⁻³	2800	0.02	1	+ 0.8	450
CL10-80	1194.75	135.0	2389.50	270.0	8600	1.9x10 ⁻²	3600	0.02	1	+ 1	960
CL10-95	2035.50	230.0	4071.00	460.0	7500	2.2x10 ⁻²	4700	0.02	1	+ 1	2310
CL10-105	3363.00	380.0	6726.00	760.0	6000	3.3x10 ⁻²	5800	0.02	1	+ 1	3090

Curved Jaw Couplings

CL16 Economy Series



Setscrew Type



Clamp Type

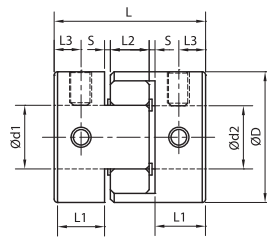
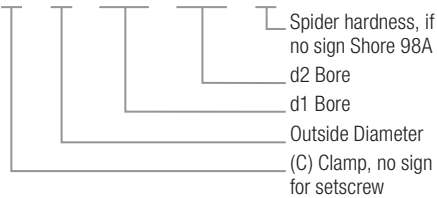
CL16 OPTIONS

Aluminum Hubs
Elastomer Spider-Shore Hardness
-80A (Blue)
-92A (Yellow)
-98A (Red)
Setscrew
Clamp

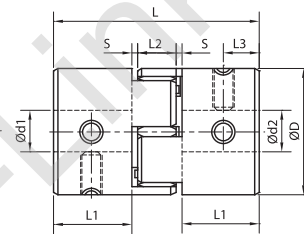
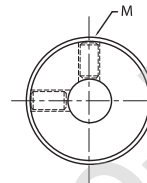
* Blue spider is only available in sizes up to 40 mm O.D.

ORDERING INFORMATION

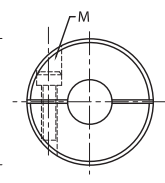
CL16 - □ - □ - □ - □ - □ - □



CL16-15 to -32



CL16-42 to -108

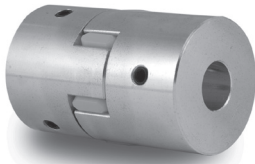


CL16 SETSCREW AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	L2	S	L3	M		Wrench Torque	
	Setscrew and Clamp								Setscrew	Clamp	Setscrew	Clamp
	in	mm	mm	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL16-15	0.11-0.31	3-8	15	20	6	6	1	3	M3	M2.5	1	1
CL16-26	0.15-0.50	4-12.7	26	26	8	8	1	4	M4	M3	1.5	1.5
CL16-32	0.19-0.63	5-16	32	32	10	9	1.5	5	M4	M4	1.7	1.7
CL16-42	0.31-0.94	8-24	42	50	17	12	2	8.5	M5	M5	4	8
CL16-56	0.47-1.26	12-32	56	58	20	14	2	10	M5	M6	4	8
CL16-66	0.74-1.38	19-35	66	62	21	15	2.5	10.5	M8	M8	15	15
CL16-82	0.78-1.77	20-45	82	86	31	18	3	15.5	M8	M8	15	15
CL16-98	1.10-2.36	28-60	98	94	34	20	3	17	M8	M10	15	25
CL16-108	1.37-2.36	35-60	108	123	46	24	3.5	23	M8	M12	15	35

CL16 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia	Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp	kg·m ²	Setscrew	Clamp	mm	°C	mm	Setscrew	Clamp
CL16-15	9.70	1.1	19.50	2.2	19000	19000	3.9x10 ⁻⁴	45	45	0.02	1	+0.6	20	20
CL16-26	53.10	6.0	106.20	12.0	16000	16000	6.8x10 ⁻⁴	56	56	0.02	1	+0.6	25	25
CL16-32	57.50	6.5	115.10	13.0	15000	12000	8.3x10 ⁻⁴	70	70	0.02	1	+0.6	46	46
CL16-42	283.20	32.0	566.40	64.0	13000	10000	9.3x10 ⁻⁴	490	490	0.02	1	+0.8	135	140
CL16-56	407.10	46.0	814.20	92.0	10500	8000	3.8x10 ⁻³	1470	1310	0.02	1	+0.8	300	310
CL16-66	964.70	109.0	1929.30	218.0	8300	6000	8.0x10 ⁻³	2700	2240	0.02	1	+0.8	570	465
CL16-82	1194.80	135.0	2389.50	270.0	7000	4600	1.5x10 ⁻²	3100	3400	0.02	1	+1	910	870
CL16-98	2301.00	260.0	4602.00	520.0	6000	3800	1.9x10 ⁻²	4400	4410	0.02	1	+1	1530	1710
CL16-108	3805.50	430.0	7611.00	860.0	5500	3400	3.0x10 ⁻²	5700	5700	0.02	1	+1	2200	2200



Setscrew Type



Clamp Type

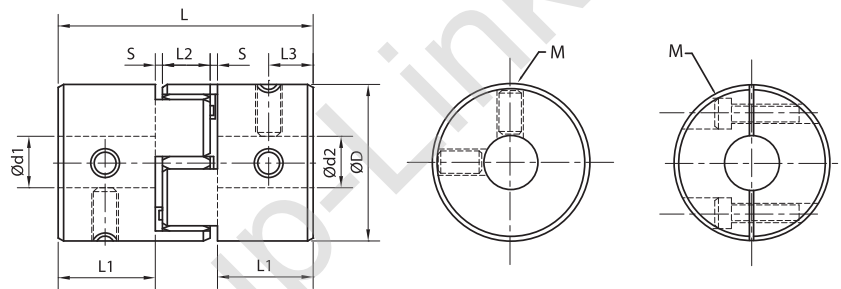
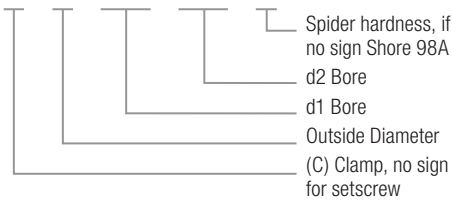
CL17 OPTIONS

Aluminum Hubs
Elastomer Spider-Shore Hardness
-80A (Blue)
-92A (Yellow)
-98A (Red)
Setscrew
Clamp

* Blue spider is only available in sizes up to 40 mm O.D.

ORDERING INFORMATION

CL17 - □ - □ - □ - □ - □ - □



CL17 SETSCREW AND CLAMP DIMENSIONS

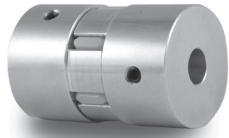
Model	Bore Range (Ød1-Ød2)		ØD	L	L1	L2	S	L3	M		Wrench Torque	
	Setscrew and Clamp								Setscrew	Clamp	Setscrew	Clamp
	in	mm	mm	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL17-42	0.31-0.94	8-24	42	66	25	12	2	8.5	M5	M5	4	8
CL17-56	0.47-1.26	12-32	56	78	30	14	2	10	M5	M6	4	8
CL17-66	0.74-1.37	19-35	66	90	35	15	2.5	10.5	M8	M8	15	15
CL17-82	0.78-1.77	20-45	82	114	45	18	3	15.5	M8	M8	15	15
CL17-98	1.10-2.36	28-60	98	126	50	20	3	17	M8	M10	15	25
CL17-108	1.37-2.36	35-60	108	140	54.5	24	3.5	23	M8	M12	15	35

CL17 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia (kg•m ²)		Static Torsional Stiffness	Errors of Eccentricity	Errors of Angularity	Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp	Setscrew	Clamp					Setscrew	Clamp
CL17-42	283.20	32.0	566.40	64.0	13000	10000	1.14x10 ⁻⁴	1.15x10 ⁻³	550	0.02	1	+0.8	160	165
CL17-56	407.10	46.0	814.20	92.0	10500	8000	4.4x10 ⁻³	4.5x10 ⁻³	1520	0.02	1	+0.8	360	375
CL17-66	964.65	109.0	1929.30	218.0	8300	6000	9.0x10 ⁻³	9.1x10 ⁻³	2810	0.02	1	+0.8	590	600
CL17-82	1194.75	135.0	2389.50	270.0	7000	4600	1.8x10 ⁻²	1.81x10 ⁻²	3560	0.02	1	+1	970	975
CL17-98	2301.00	260.0	4602.00	520.0	6000	3800	2.0x10 ⁻²	2.1x10 ⁻²	4750	0.02	1	+1	1900	1910
CL17-108	3805.50	430.0	7611.00	860.0	5500	3400	3.3x10 ⁻²	3.3x10 ⁻²	5850	0.02	1	+1	2450	2510

Curved Jaw Couplings

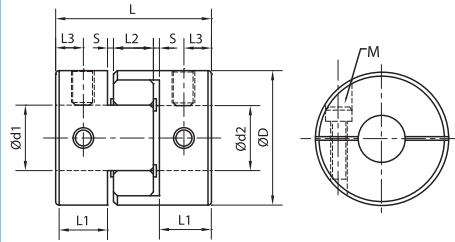
CL20 Economy Series



Setscrew Type



Clamp Type



CL20-14 to -30

CL20 OPTIONS

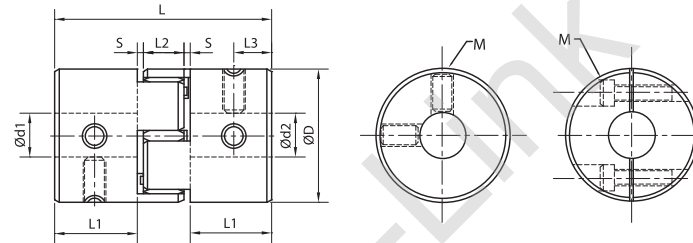
Aluminum Hubs
Elastomer Spider-Shore Hardness
-80A (Blue)
-92A (Yellow)
-98A (Red)
Setscrew
Clamp

* Blue spider is only available in sizes up to 40 mm O.D.

ORDERING INFORMATION

CL20 - □ - □ - □ - □ - □ - □

Spider hardness, if no sign Shore 98A
d2 Bore
d1 Bore
Outside Diameter
(C) Clamp, no sign for setscrew



CL20-40 to -105

CL20 SETSCREW AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	L2	S	L3		M		Wrench Torque	
	Setscrew and Clamp							Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp
	in	mm	mm	mm	mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL20-14	0.078-0.27	2-7	14	22	7	6	1	3.5	3.5	M3	M2.5	1	1
CL20-20	0.15-0.39	4-10	20	30	10	8	1	5	5	M4	M3	1.3	1.3
CL20-25	0.15-0.47	4-12	25	34	11	10	1	5	5	M4	M4	1.5	1.5
CL20-30	0.31-0.63	8-16	30	35	11	10	1.5	5	5	M4	M4	1.7	1.7
CL20-40S	0.55-0.94	14-24	40	55	19.5	12	2	10	10	M5	M6	4	8
CL20-40	0.55-0.94	14-24	40	66	25	12	2	10	10	M5	M6	4	8
CL20-55	0.55-1.10	14-28	55	78	30	14	2	10	10.5	M5	M6	4	8
CL20-65	0.74-1.49	19-38	65	90	35	15	2.5	15	11.5	M8	M8	15	15
CL20-80	0.94-1.77	24-45	80	114	45	18	3	15	15.5	M8	M8	15	15
CL20-95	1.18-2.16	30-55	95	126	50	20	3	20	18	M8	M10	15	25
CL20-105	1.37-2.36	35-60	105	140	56	21	3.5	20	21	M8	M12	15	35

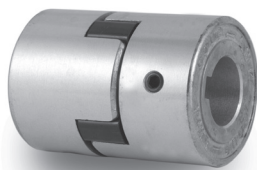
CL20 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia	Static Torsional Stiffness	Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp	kg·m ²	Nm/rad	mm	°C	mm	Setscrew	Clamp
CL20-14	9.73	1.1	19.47	2.2	19000	19000	5.9x10 ⁻⁴	46	0.02	1	+0.6	26	26
CL20-20	24.78	2.8	49.56	5.6	17000	17000	6.7x10 ⁻⁴	55	0.02	1	+0.6	37	37
CL20-25	53.10	6.0	106.20	12.0	16000	16000	7.6x10 ⁻⁴	63	0.02	1	+0.6	42	42
CL20-30	57.52	6.5	115.05	13.0	15000	12000	8.5x10 ⁻⁴	72	0.02	1	+0.6	46	50
CL20-40S	283.20	32.0	566.40	64.0	13000	10000	9.4x10 ⁻⁴	500	0.02	1	+0.8	140	150
CL20-40	283.20	32.0	566.40	64.0	13000	10000	1.1x10 ⁻³	550	0.02	1	+0.8	148	156
CL20-55	407.10	46.0	814.20	92.0	10500	8000	4.4x10 ⁻³	1500	0.02	1	+0.8	350	362
CL20-65	964.72	109.0	1929.30	218.0	8300	6000	9.0x10 ⁻³	2800	0.02	1	+0.8	572	582
CL20-80	1194.75	135.0	2389.50	270.0	7000	4600	1.8x10 ⁻²	3500	0.02	1	+1	950	966
CL20-95	2301.00	260.0	4602.00	520.0	6000	3800	2.0x10 ⁻²	4600	0.02	1	+1	1800	1820
CL20-105	3805.50	430.0	7611.00	860.0	5500	3400	3.2x10 ⁻²	5800	0.02	1	+1	2400	2430

Jaw Couplings

CL19 General Duty Series

- General duty couplings
- Rubber spider dampens vibration
- Economical multi-purpose couplings



Keyway Type

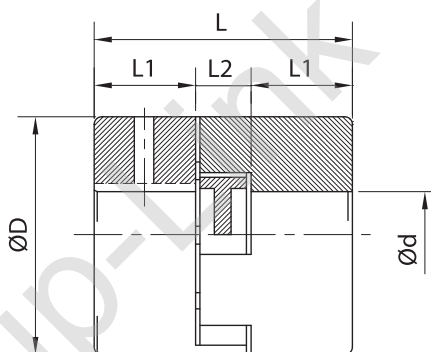
CL19 OPTIONS

Aluminum Hubs
Rubber Spider
Keyway & Setscrew

ORDERING INFORMATION

CL19 - - K - - -

d2 Bore
d1 Bore
(K) Keyway is only
connection option
Outside Diameter



CL19 KEYWAY AND SETSCREW DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	L2	M	Wrench Torque
	in	mm						
CL19-27K	0.19-0.63	5-16	27	44	15.5	13	M4	1.5
CL19-35K	0.19-0.79	5-20	35	50	18.5	13	M4	1.5
CL19-45K	0.39-1.02	10-26	45	55	21	13	M5	4
CL19-55K	0.47-1.10	12-28	55	55	21	13	M5	4
CL19-55LK	0.47-1.10	12-28	55	61	24	13	M5	4
CL19-66K	0.55-1.42	14-36	66	88	35	18	M8	15
CL19-85K	0.70-1.89	18-48	85	110	44	22	M8	15

CL19 KEYWAY AND SETSCREW SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia	Errors of Eccentricity	Errors of Shaft Angularity	Errors of Shaft Endplay	Mass
	lb-in	Nm	lb-in	Nm						
CL19-27K	20.35	2.3	39.82	4.6	12000	5.1×10^{-6}	0.2	1	± 0.5	60
CL19-35K	39.82	4.5	79.65	9.0	9000	1.78×10^{-5}	0.2	1	± 0.5	120
CL19-45K	132.75	15.0	265.50	30.0	7000	5.35×10^{-4}	0.2	1	± 0.5	210
CL19-55K	194.70	22.0	389.40	44.0	6000	1.14×10^{-4}	0.3	1	± 0.5	310
CL19-55LK	194.70	22.0	389.40	44.0	6000	1.4×10^{-4}	0.3	1	± 0.5	358
CL19-66K	354.00	40.0	708.00	80.0	5000	4.33×10^{-4}	0.3	1	± 0.7	785
CL19-85K	663.75	75.0	1327.50	150.0	4000	1.43×10^{-3}	0.3	1	± 0.7	1560

Disc Couplings

CL3 Miniature Series

- Zero backlash, flexible shaft
- Excellent response, high torque capacity
- Identical clockwise and counterclockwise rotation
- Plate springs absorb angular misalignment and shaft endplay
- Single disc and double disc units available
- Multiple bore and shaft configurations



Single Disc



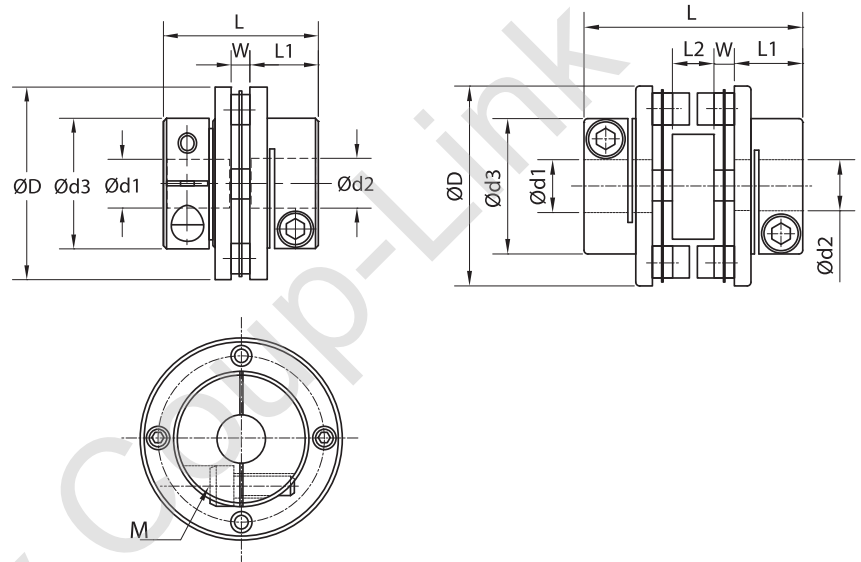
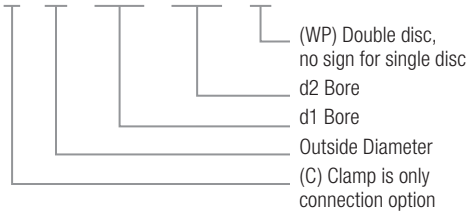
Double Disc

CL3 OPTIONS

Aluminum 6061
Stainless Steel Plate Springs
Single Disc
Double Disc
Clamp

ORDERING INFORMATION

CL3 - C - □ - □ - □ - □ - □



CL3 SINGLE AND DOUBLE DISC DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		Ød3	W	L1	L2	M	Wrench Torque
	Single and Double Disc			Single Disc	Double Disc	Single and Double Disc			Double Disc	Single and Double Disc	
	in	mm	mm	mm	mm	mm	mm	mm	mm	metric	Nm
CL3-C34	0.23-0.35	6-9	34	27	37	21.6	3	12	7	M3	1.5
CL3-C44	0.39-0.55	10-14	44	34	47	29.6	4	15	9	M4	3.4
CL3-C56	0.55-0.78	14-20	56	45	61	38	5	20	11	M5	7
CL3-C68	0.59-0.98	15-25	68	54	74	46	6	24	14	M6	14
CL3-C82	0.78-1.18	20-30	82	68	98	56	8	30	22	M8	25

CL3 SINGLE AND DOUBLE DISC SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)	Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)		Mass (g)	
	lb-in	Nm	lb-in	Nm		Single Disc	Double Disc	Single Disc	Double Disc		Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc
CL3-C34	24.78	2.8	49.56	5.6	6000	3.8x10 ⁻⁶	6.5x10 ⁻⁶	1500	1300	0.02	1	2	± 0.15	± 0.3	38	46
CL3-C44	76.99	8.7	153.99	17.4	6000	14.5x10 ⁻⁶	25.4x10 ⁻⁶	3000	2800	0.02	1	2	± 0.15	± 0.3	84	98
CL3-C56	221.25	25.0	442.50	50.0	6000	48.5x10 ⁻⁶	82.5x10 ⁻⁶	4200	4000	0.02	1	2	± 0.15	± 0.3	132	194
CL3-C68	486.75	55.0	973.50	110.0	6000	126x10 ⁻⁶	225x10 ⁻⁶	6500	6200	0.02	1	2	± 0.15	± 0.3	232	376
CL3-C82	708.00	80.0	1416.00	160.0	6000	565x10 ⁻⁶	985x10 ⁻⁶	8600	8300	0.02	1	2	± 0.15	± 0.3	420	640

Disc Couplings

CL5 Series



Single Disc



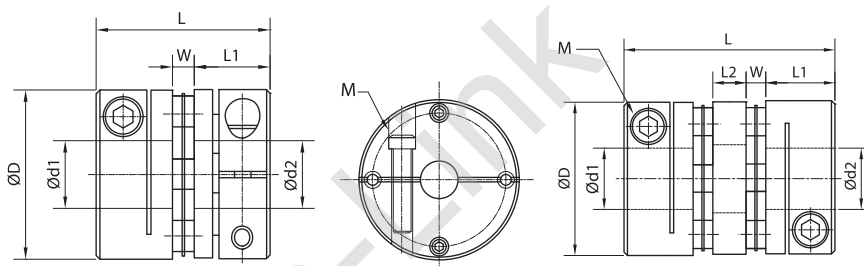
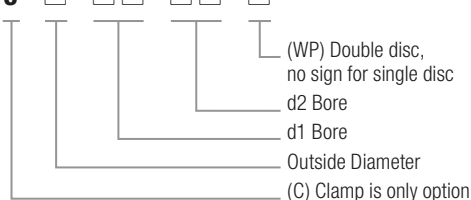
Double Disc

CL5 OPTIONS

Aluminum 6061
Stainless Steel Plate Springs
Single Disc
Double Disc
Clamp

ORDERING INFORMATION

CL5 - C - □ - □ - □ - □ - □



CL5 SINGLE AND DOUBLE DISC DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		W	L1	L2	M	Wrench Torque
	Single and Double Disc			Single Disc	Double Disc	Single and Double Disc		Double Disc	Single and Double Disc	
	in	mm	mm	mm	mm	mm	mm	mm	metric	Nm
CL5-C19	0.11-0.31	3-8	19	20	27	1.2	9.4	5.8	M2.5	1
CL5-C26	0.19-0.39	5-10	26	25.5	35	2.5	11.5	7	M3	1.5
CL5-C34	0.31-0.55	8-14	34	31.3	45	3.1	14.1	10.6	M4	1.5
CL5-C39	0.39-0.62	10-16	39	34.1	49	4.1	15	10.8	M4	2.5
CL5-C44	0.43-0.75	11-19	44	34.5	50	4.5	15	11	M4	2.5
CL5-C56	0.55-0.94	14-24	56	45	63	5	20	13	M5	7
CL5-C68	0.74-1.37	19-35	68	54	74	6	24	14	M6	12
CL5-C82	0.94-1.57	24-40	82	68	98	8	30	22	M8	16
CL5-C94	0.98-1.57	25-40	94	68	98	8	30	22	M8	28
CL5-C104	1.18-1.77	30-45	104	70	102	10	30	22	M8	28

CL5 SINGLE AND DOUBLE DISC SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)	Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)		Mass (g)	
	lb-in	Nm	lb-in	Nm		Single Disc	Double Disc	Single Disc	Double Disc		Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc
CL5-C19	8.85	1.0	17.70	2.0	10000	0.65x10 ⁻⁶	0.9x10 ⁻⁶	200	170	0.04	1	1.5	± 0.2	± 0.4	12	16
CL5-C26	12.39	1.4	24.78	2.8	10000	1.8x10 ⁻⁶	3.3x10 ⁻⁶	690	950	0.04	1	1.5	± 0.2	± 0.4	24	34
CL5-C34	24.78	2.8	49.56	5.6	10000	7.2x10 ⁻⁶	8.9x10 ⁻⁶	1650	1960	0.04	1	1.5	± 0.2	± 0.4	46	70
CL5-C39	51.33	5.8	102.66	11.6	10000	1.8x10 ⁻⁵	2.4x10 ⁻⁵	2500	4500	0.04	1	1.5	± 0.2	± 0.4	78	118
CL5-C44	76.99	8.7	153.99	17.4	10000	2.5x10 ⁻⁵	3.2x10 ⁻⁵	2900	5100	0.04	1	1.5	± 0.2	± 0.4	96	142
CL5-C56	221.25	25.0	442.50	50.0	10000	1.0x10 ⁻⁴	1.1x10 ⁻⁴	8400	10500	0.04	1	1.5	± 0.2	± 0.4	206	296
CL5-C68	486.75	55.0	973.50	110.0	10000	1.9x10 ⁻⁴	2.8x10 ⁻⁴	11500	18500	0.04	1	1.5	± 0.2	± 0.4	366	544
CL5-C82	708.00	80.0	1416.00	160.0	10000	7.0x10 ⁻⁴	1.0x10 ⁻³	14550	21800	0.04	1	1.5	± 0.2	± 0.4	710	1020
CL5-C94	1637.25	185.0	3274.50	370.0	10000	1.23x10 ⁻³	1.76x10 ⁻³	16900	84500	0.04	1	1.5	± 0.2	± 0.4	960	1210
CL5-C104	2256.75	255.0	4513.50	510.0	10000	1.86x10 ⁻³	1.86x10 ⁻³	25100	125500	0.04	1	1.5	± 0.2	± 0.4	1190	1460

Disc Couplings

CL9 Heavy Duty Series



Single Disc

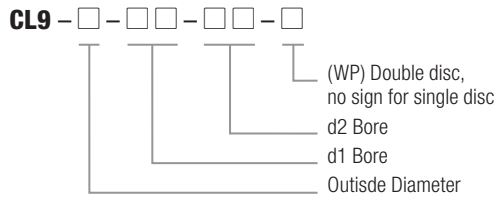


Double Disc

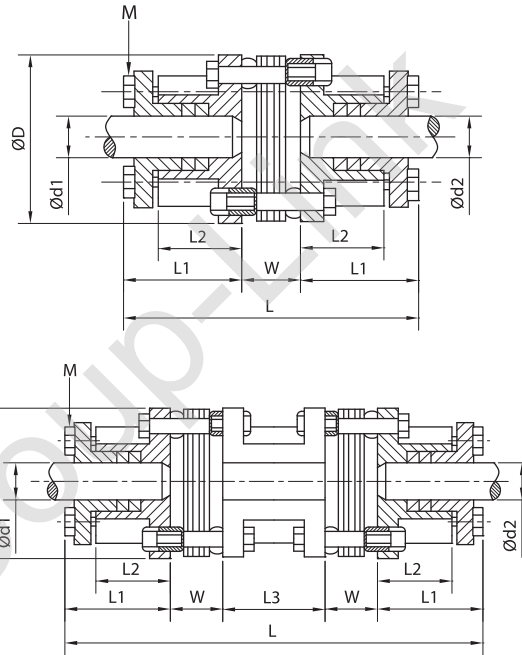
CL9 OPTIONS

Steel Body
Stainless Steel Plate Springs
Single Disc
Double Disc
Locking Assembly

ORDERING INFORMATION



* CL9 hubs can be matched with CL11 hubs



CL9 SINGLE AND DOUBLE DISC DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		W	L1	L2	L3	M	Wrench Torque
	Single and Double Disc			Single Disc	Double Disc	Single and Double Disc			Double Disc	Single and Double Disc	
	in	mm	mm	mm	mm	mm	mm	mm	mm	metric	Nm
CL9-68	0.43-0.86	11-22	68	90	121	7	41.5	26	24	M5 (4)	4
CL9-82	0.55-1.18	14-30	82	95	128	7	44	26	26	M6 (4)	7
CL9-94	0.74-1.37	19-35	94	110	148	8	51	29	30	M6 (4)	7
CL9-104	0.94-1.57	24-40	104	124	164	10	57	34	30	M6 (6)	7
CL9-126	1.18-1.96	30-50	126	152	201	11	70.5	42	38	M8 (4)	15
CL9-144	1.37-2.28	35-58	144	170	228	12	79	48	46	M8 (6)	15

CL9 SINGLE AND DOUBLE DISC SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)		Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)		Mass (g)	
	lb-in	Nm	lb-in	Nm		Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc
CL9-68	486.75	55.0	973.50	110.0	4500	0.39x10 ⁻³	0.71x10 ⁻³	31x10 ³	15x10 ³	0.02	0.04	1	2	± 1	± 1.5	550	1078
CL9-82	708.00	80.0	1416.00	160.0	4500	0.96x10 ⁻³	1.85x10 ⁻³	89x10 ³	44x10 ³	0.02	0.04	1	2	± 1	± 1.5	1100	1870
CL9-94	1327.50	150.0	2655.00	300.0	4500	1.85x10 ⁻³	3.625x10 ⁻³	180x10 ³	90x10 ³	0.02	0.04	1	2	± 1	± 1.5	1540	2640
CL9-104	1947.00	220.0	3894.00	440.0	4500	2.96x10 ⁻³	5.8x10 ⁻³	265x10 ³	130x10 ³	0.02	0.04	1	2	± 1	± 1.5	2310	4630
CL9-126	3097.50	350.0	6195.00	700.0	4500	7.1x10 ⁻³	13.1x10 ⁻³	450x10 ³	220x10 ³	0.02	0.04	1	2	± 1	± 1.5	3740	6380
CL9-144	4425.00	500.0	8850.00	1000.0	4500	14.3x10 ⁻³	26.5x10 ⁻³	790x10 ³	380x10 ³	0.02	0.04	1	2	± 1	± 1.5	5390	9460

Disc Couplings

CL11 Heavy Duty Series



Single Disc



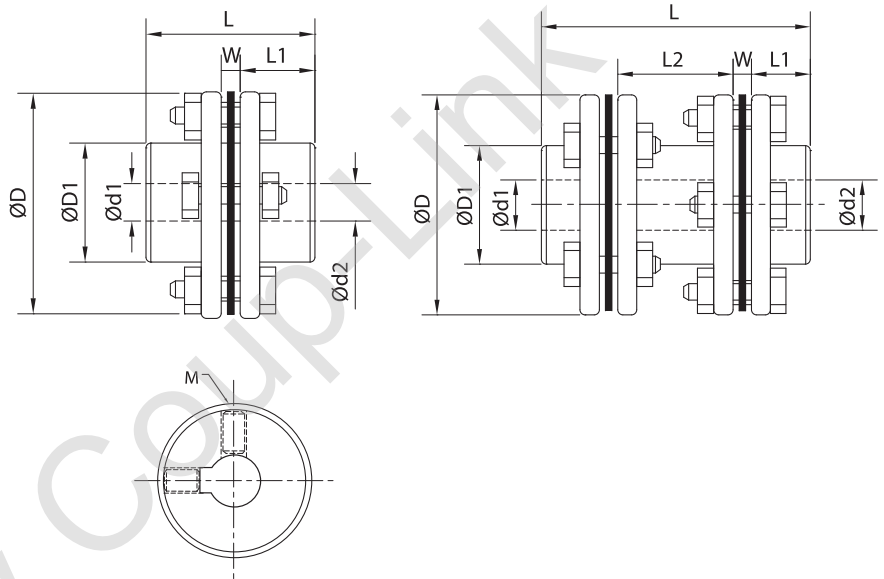
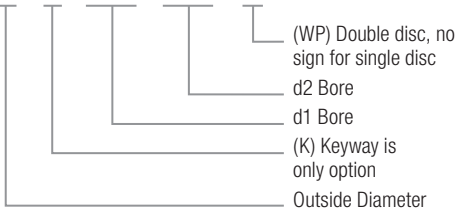
Double Disc

CL11 OPTIONS

Steel Body
Stainless Steel Plate Springs
Single Disc
Double Disc
Keyway

ORDERING INFORMATION

CL11 - □ - K - □ - □ - □ - □



CL11 SINGLE AND DOUBLE DISC DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	ØD1	L		L1	W	L2	M
	Single and Double Disc				Single Disc	Double Disc	Single and Double Disc		Double Disc	Single and Double Disc
	in	mm	mm	mm	mm	mm	mm	mm	mm	metric
CL11-56K	0.31-0.78	8-20	56	32	45	74	20	5	24	M5
CL11-68K	0.43-0.98	11-25	68	40	56	86	25	6	24	M6
CL11-82K	0.55-1.37	14-35	82	54	66	98	30	6	26	M6
CL11-94K	0.55-1.49	14-38	94	58	68	106	30	8	30	M8
CL11-104K	0.74-1.65	19-42	104	68	80	120	35	10	30	M8
CL11-126K	0.86-1.96	22-50	126	78	91	140	40	11	38	M10
CL11-144K	1.18-2.36	30-60	144	88	102	160	45	12	46	M12
CL11-152K	1.77-2.95	45-75	152	104	102	184	45	12	70	M8
CL11-178K	1.88-3.15	48-80	178	118	124	218	55	14	80	M10
CL11-190K	2.36-3.34	60-85	190	126	145	260	65	15	100	M12
CL11-210K	2.55-3.54	65-90	210	130	165	290	75	15	110	M16
CL11-225K	2.75-3.93	70-100	225	144	200	335	90	20	115	M16
CL11-262K	3.14-4.52	80-115	262	166	223	391	100	23	145	M20

Disc Couplings

CL11 Heavy Duty Series

CL11 SINGLE AND DOUBLE DISC SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)	Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)		Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)		Mass (g)	
	lb-in	Nm	lb-in	Nm		Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc
CL11-56K	221.25	25.0	442.50	50.0	20000 15000	0.1x10 ⁻³	0.19x10 ⁻³	15x10 ³	7.5x10 ³	0.02	0.04	1	1.5	± 0.3	± 0.6	300	500
CL11-68K	486.75	55.0	973.50	110.0	15000 14000	0.28x10 ⁻³	0.54x10 ⁻³	28x10 ³	13x10 ³	0.02	0.04	1	1.5	± 0.3	± 0.6	500	900
CL11-82K	708.00	80.0	1416.00	160.0	14000 11000	0.85x10 ⁻³	1.6x10 ⁻³	81x10 ³	39x10 ³	0.02	0.04	1	1.5	± 0.3	± 0.6	1000	1700
CL11-94K	1504.50	170.0	3009.00	340.0	11000 9500	1.5x10 ⁻³	2.8x10 ⁻³	165x10 ³	78x10 ³	0.02	0.04	1	1.5	± 0.3	± 0.6	1400	2400
CL11-104K	2124.00	240.0	4248.00	480.0	9800 8800	2.4x10 ⁻³	4.6x10 ⁻³	240x10 ³	115x10 ³	0.02	0.04	1	1.5	± 0.4	± 0.6	2100	3300
CL11-126K	3717.00	420.0	7434.00	840.0	8000 6800	6.3x10 ⁻³	11.9x10 ⁻³	410x10 ³	200x10 ³	0.02	0.04	1	1.5	± 0.4	± 0.8	3400	5800
CL11-144K	6195.00	700.0	12390.00	1400.0	6800 6000	9.2x10 ⁻³	18.2x10 ⁻³	760x10 ³	350x10 ³	0.02	0.04	1	1.5	± 0.4	± 0.8	4900	8600
CL11-152K	7080.00	800.0	14160.00	1600.0	5800	11.0x10 ⁻³	21.5x10 ⁻³	836x10 ³	750x10 ³	0.03	0.06	1	2	± 0.4	± 0.8	5300	7600
CL11-178K	11505.00	1300.0	23010.00	2600.0	5100	27.9x10 ⁻³	46.5x10 ⁻³	1065x10 ³	1420x10 ³	0.03	0.06	1	2	± 0.5	± 1	7150	1100
CL11-190K	17700.00	2000.0	35400.00	4000.0	4700	45.8x10 ⁻³	76.3x10 ⁻³	1150x10 ³	1690x10 ³	0.03	0.06	1	2	± 0.5	± 1	12000	16000
CL11-210K	34515.00	3900.0	67260.00	7600.0	4300	73.8x10 ⁻³	122x10 ⁻³	1520x10 ³	2340x10 ³	0.03	0.06	1	2	± 0.6	± 1.2	14500	22000
CL11-225K	43365.00	4900.0	86730.00	9800.0	4000	114x10 ⁻³	175x10 ⁻³	1930x10 ³	2970x10 ³	0.03	0.06	1	2	± 0.6	± 1.2	18200	28000
CL11-262K	69915.00	7900.0	139830.00	15800.0	3400	266x10 ⁻³	410x10 ⁻³	3500x10 ³	5390x10 ³	0.03	0.06	1	2	± 0.7	± 1.4	30000	46000

Disc Couplings

CL15 Heavy Duty Series



Single Disc



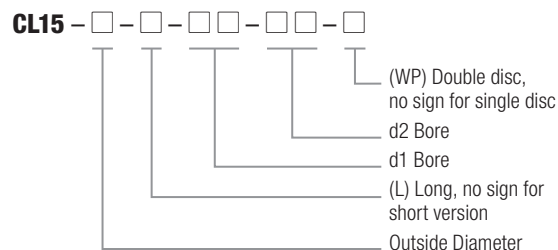
Double Disc Long

CL15 OPTIONS

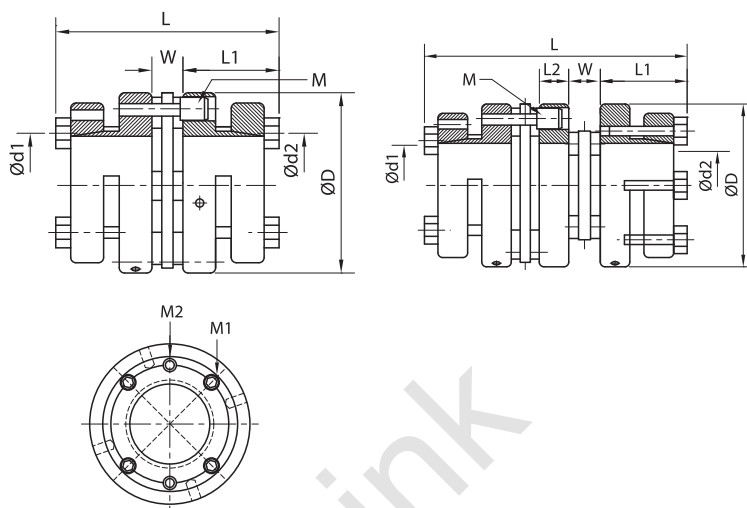
Steel Body
 Stainless Steel Plate Springs
 Short Version
 Long Version
 Single Disc
 Double Disc
 Locking Assembly

*Long version CL15-70L to -144L

ORDERING INFORMATION



* Long version not available for size 56



CL15 SINGLE AND DOUBLE DISC DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		L1	L2	W	M	M1	M2
	Single and Double Disc			Single	Double	Single and Double	Double Disc	Single and Double Disc			
	in	mm	mm	mm	mm	mm	mm	mm	metric	metric	metric
CL15-56	0.55-0.94	14-24	56	65	80	29	8	7	M5	4-M5	2-M5
CL15-70	0.94-1.38	24-35	70	65	80	29	8	7	M6	4-M6	2-M6
CL15-70L	0.70-1.38	18-35	70	90	105	41.5	8	7	M6	4-M6	2-M6
CL15-80	0.70-1.38	18-35	80	70	88	31	10	8	M8	4-M6	2-M6
CL15-80L	0.70-1.38	18-35	80	95	113	43.5	10	8	M8	4-M6	2-M6
CL15-90	1.10-1.89	28-48	90	70	83	31	10	8	M8	6-M6	3-M6
CL15-90L	1.10-1.89	28-48	90	110	129	50.5	10	9	M8	6-M6	3-M6
CL15-100	1.25-2.36	32-60	100	70	88	31	10	8	M8	6-M6	3-M6
CL15-100L	1.25-2.36	32-60	100	124	144	57	10	10	M8	6-M6	3-M6
CL15-126	1.49-2.56	38-65	126	82	107	35.5	14	11	M10	6-M6	3-M6
CL15-126L	1.49-2.56	38-65	126	152	177	70.5	14	11	M10	6-M6	3-M6
CL15-144	1.77-2.95	45-75	144	96	122	42	14	12	M12	6-M8	3-M8
CL15-144L	1.77-2.95	45-75	144	170	196	79	14	12	M12	6-M8	3-M8

CL15 SINGLE AND DOUBLE DISC SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)		Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)		Mass (g)	
	lb-in	Nm	lb-in	Nm	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc
CL15-56	442.50	50.0	885.00	100.0	18000	15000	0.42x10 ⁻³	0.61x10 ⁻³	41x10 ³	22x10 ³	0.02	0.02	0.5	1	± 0.5	± 1	680	780
CL15-70	619.50	70.0	1239.00	140.0	17000	13000	0.65x10 ⁻³	0.81x10 ⁻³	58x10 ³	30x10 ³	0.02	0.02	0.5	1	± 0.5	± 1	950	1150
CL15-70L	619.50	70.0	1239.00	140.0	17000	13000	0.75x10 ⁻³	0.93x10 ⁻³	67x10 ³	34x10 ³	0.02	0.02	0.5	1	± 0.5	± 1	1026	1242
CL15-80	1106.30	125.0	2212.50	250.0	16000	11000	1.0x10 ⁻³	1.32x10 ⁻³	62x10 ³	32x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	1240	1580
CL15-80L	1106.30	125.0	2212.50	250.0	16000	11000	1.15x10 ⁻³	1.52x10 ⁻³	71x10 ³	37x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	1340	1738
CL15-90	1593.00	180.0	3186.00	360.0	14000	10000	2.0x10 ⁻³	2.56x10 ⁻³	140x10 ³	68x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	1650	1980
CL15-90L	1593.00	180.0	3186.00	360.0	14000	10000	2.3x10 ⁻³	2.95x10 ⁻³	160x10 ³	78x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	1782	2178
CL15-100	2478.00	280.0	4956.00	560.0	12000	8000	2.95x10 ⁻³	3.68x10 ⁻³	160x10 ³	79x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	1800	2260
CL15-100L	2478.00	280.0	4956.00	560.0	12000	8000	3.39x10 ⁻³	4.23x10 ⁻³	184x10 ³	91x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	1945	2486
CL15-126	3982.50	450.0	7965.00	900.0	10000	10000	6.35x10 ⁻³	7.95x10 ⁻³	450x10 ³	216x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	3300	4300
CL15-126L	3982.50	450.0	7965.00	900.0	10000	7000	7.3x10 ⁻³	9.14x10 ⁻³	517x10 ³	248x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	3960	5160
CL15-144	6726.00	760.0	13452.00	1520.0	8000	8000	11.33x10 ⁻³	16.7x10 ⁻³	785x10 ³	380x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	4500	6200
CL15-144L	6726.00	760.0	13452.00	1520.0	8000	6500	13x10 ⁻³	19.2x10 ⁻³	902x10 ³	437x10 ³	0.02	0.03	0.5	1	± 0.5	± 1	5400	7440

Disc Couplings

CL18 Economy Series



Single Disc



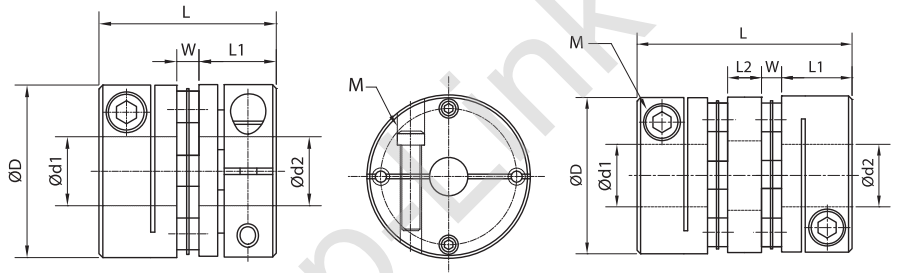
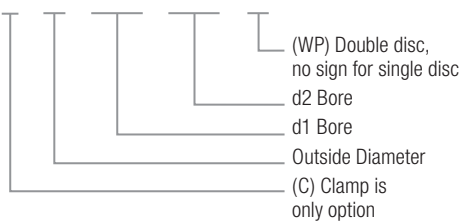
Double Disc

CL18 OPTIONS

Aluminum Alloy
Stainless Steel Plate Springs
Single Disc
Double Disc
Clamp

ORDERING INFORMATION

CL18 - C - □ - □ - □ - □ - □



CL18 SINGLE AND DOUBLE DISC DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		W	L1	L2	M	Wrench Torque
	Single and Double Disc			Single Disc	Double Disc	Single and Double Disc		Double Disc	Single and Double Disc	
	in	mm	mm	mm	mm	mm	mm	mm	metric	Nm
CL18-C26	0.19-0.39	5-10	26	25.5	35	2.5	11.5	7	M3	1.5
CL18-C34	0.31-0.55	8-14	34	31.1	45	3.1	14.1	10.6	M4	1.5
CL18-C39	0.39-0.63	10-16	39	34.1	49	4.1	15	10.8	M4	2.5
CL18-C44	0.43-0.75	11-19	44	34.5	50	4.5	15	11	M4	2.5
CL18-C56	0.55-0.94	14-24	56	45	63	5	20	13	M5	7
CL18-C68	0.74-1.38	19-35	68	54	74	6	24	14	M6	12
CL18-C82	0.94-1.57	24-40	82	68	98	8	30	22	M8	16
CL18-C94	0.98-1.57	25-40	94	68	98	8	30	22	M8	28
CL18-C104	1.18-1.77	30-45	104	70	102	10	30	22	M8	28

CL18 SINGLE AND DOUBLE DISC SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m ²)		Static Torsional Stiffness (Nm/rad)		Errors of Eccentricity (mm)	Errors of Shaft Angularity (°C)		Errors of Shaft Endplay (mm)		Mass (g)	
	lb-in	Nm	lb-in	Nm		Single Disc	Double Disc	Single Disc	Double Disc		Single Disc	Double Disc	Single Disc	Double Disc	Single Disc	Double Disc
CL18-C26	12.39	1.4	24.78	2.8	10000	1.8x10 ⁻⁶	3.3x10 ⁻⁶	690	950	0.04	1	1.5	± 0.2	± 0.4	24	34
CL18-C34	24.78	2.8	49.56	5.6	10000	7.2x10 ⁻⁶	8.9x10 ⁻⁶	1650	1960	0.04	1	1.5	± 0.2	± 0.4	46	70
CL18-C39	51.33	5.8	102.66	11.6	10000	1.8x10 ⁻⁵	2.4x10 ⁻⁵	2500	4500	0.04	1	1.5	± 0.2	± 0.4	78	118
CL18-C44	76.99	8.7	153.99	17.4	10000	2.5x10 ⁻⁵	3.2x10 ⁻⁵	2900	5100	0.04	1	1.5	± 0.2	± 0.4	96	142
CL18-C56	221.25	25.0	442.50	50.0	10000	1.0x10 ⁻⁴	1.1x10 ⁻⁴	8400	10500	0.04	1	1.5	± 0.2	± 0.4	206	296
CL18-C68	486.75	55.0	973.50	110.0	10000	1.9x10 ⁻⁴	2.8x10 ⁻⁴	11500	18500	0.04	1	1.5	± 0.2	± 0.4	366	544
CL18-C82	708.00	80.0	1416.00	160.0	10000	7.0x10 ⁻⁴	1.0x10 ⁻³	14550	21800	0.04	1	1.5	± 0.2	± 0.4	710	1020
CL18-C94	1637.25	185.0	3274.50	370.0	10000	1.23x10 ⁻³	1.76x10 ⁻³	16900	84500	0.04	1	1.5	± 0.2	± 0.4	960	1210
CL18-C104	2256.75	255.0	4513.50	510.0	10000	1.86x10 ⁻³	1.86x10 ⁻³	25100	125500	0.04	1	1.5	± 0.2	± 0.4	1190	1460

Encoder Couplings

CL12 Series

- Zero backlash, flexible shaft
- Low inertia
- Polyester resin with glass fibers
- Electrical isolation

CL12 OPTIONS

Fiberglass Beam
-CL12-13 and -15
Aluminum Hubs with Elastomer Insert
-CL12-25 and -42
Setscrew



CL12-13 and -15

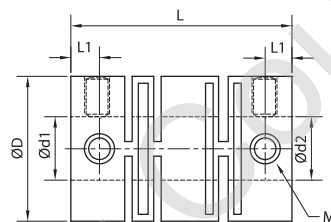
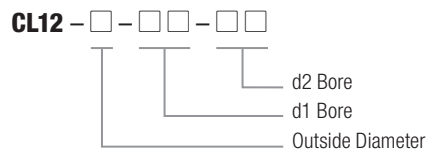


CL12-25

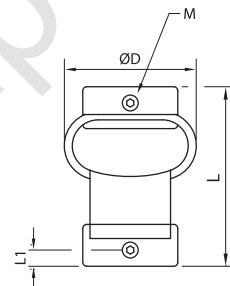


CL12-42

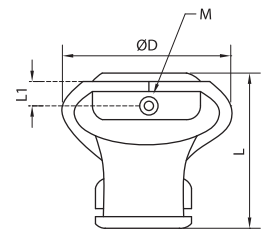
ORDERING INFORMATION



CL12-13 and -15



CL12-25



CL25-42

CL12 SETSCREW DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L	L1	M	Wrench Torque
	in	mm	mm	mm	mm	metric	Nm
CL12-13	0.157	4	13	22	3.2	M3	0.7
CL12-15	0.236	6	15	22	3.2	M3	0.7
CL12-25	0.157-0.394	4-10	25	34	3.2	M3	0.7
CL12-42	0.236-0.551	6-14	42	48	6	M4	1

CL12 SETSCREW SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Errors of Shaft Angularity	Mass
	lb-in	Nm	lb-in	Nm			
CL12-13	5.31	0.6	10.62	1.2	6000	3	2.8
CL12-15	7.08	0.8	14.16	1.6	6000	3	4
CL12-25	7.08	0.8	14.16	1.6	6000	3	13
CL12-42	11.50	1.3	23.01	2.6	4000	3	85

Oldham Couplings

CL4 Series

- Zero backlash, flexible shaft
- Accommodates high parallel and angular misalignment
- High torsional stiffness and response
- Simple configuration, easy to assemble
- Multiple bore and shaft connecting configurations



Setscrew Type

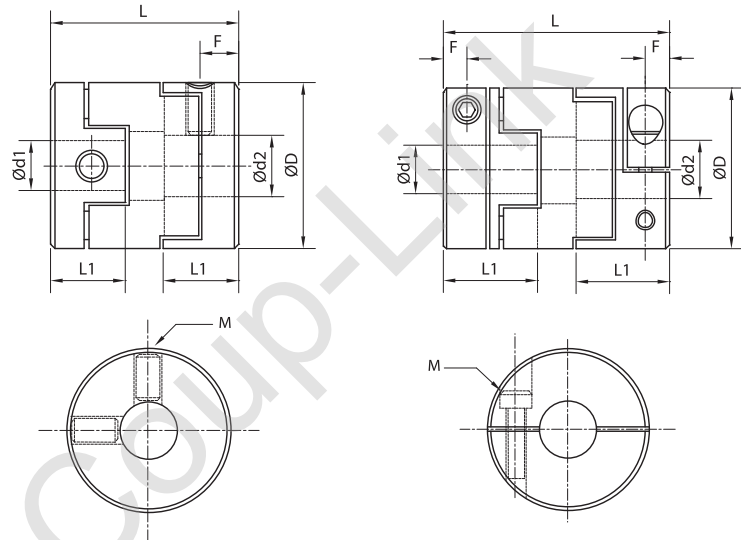
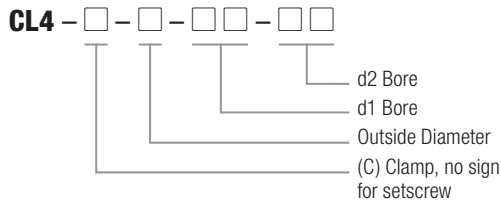


Clamp Type

CL4 OPTIONS

Aluminum Hubs 6061
Elastomer Insert
Setscrew
Clamp

ORDERING INFORMATION



CL4 SETSCREW AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)		ØD	L		F		L1		M		Wrench Torque
	Setscrew and Clamp			Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp	Setscrew & Clamp
	in	mm	mm	mm	mm	mm	mm	mm	mm	metric	metric	Nm
CL4-16	0.15-0.23	4-6	16	18	30	3.5	3	7	13	M3	M2.5	0.7
CL4-20	0.23-0.31	6-8	20	23	33	4.5	3	9	14	M4	M2.5	1.7
CL4-25	0.25-0.39	6.35-10	25	28	39	5.5	3.8	11	17	M5	M3	4
CL4-32	0.31-0.55	8-14	32	33	45	6.5	4.5	13	19	M6	M4	7
CL4-40	0.47-0.62	12-16	40	35	50	7	7	14	23	M6	M5	7
CL4-50	0.55-0.78	14-20	50	38	58	8.5	8	17	27	M8	M6	15
CL4-63	0.62-0.98	16-25	63	47	71	10.5	10	21	33	M10	M8	30

CL4 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed	Moment of Inertia (kg•m²)		Static Torsional Stiffness	Errors of Eccentricity (mm)	Errors of Angularity (°C)	Mass (g)	
	lb-in	Nm	lb-in	Nm		Setscrew	Clamp				Setscrew	Clamp
CL4-16	6.20	0.7	12.39	1.4	9000	3.0x10 ⁻⁷	5.0x10 ⁻⁷	29	1	3	6	12
CL4-20	14.16	1.6	28.32	3.2	7400	9.0x10 ⁻⁷	1.4x10 ⁻⁷	58	1.4	3	14	20
CL4-25	26.55	3.0	53.10	6.0	5800	2.8x10 ⁻⁶	4.1x10 ⁻⁶	125	1.9	3	24	36
CL4-32	48.67	5.5	97.35	11.0	4700	8.9x10 ⁻⁵	1.2x10 ⁻⁵	260	2.4	3	46	66
CL4-40	79.65	9.0	159.30	18.0	3600	2.1x10 ⁻⁵	3.8x10 ⁻⁵	505	2.8	3	80	114
CL4-50	168.15	19.0	336.30	38.0	3000	6.0x10 ⁻⁵	1.0x10 ⁻⁴	780	3.3	3	144	206
CL4-63	292.05	33.0	584.10	66.0	2400	2.1x10 ⁻⁴	3.5x10 ⁻⁴	1200	3.8	3	318	454

Rigid Couplings

CL13 Miniature Series

- Extremely low inertia
- Available in aluminum and stainless steel
- Low-cost motion coupling where misalignment is not present



Aluminum

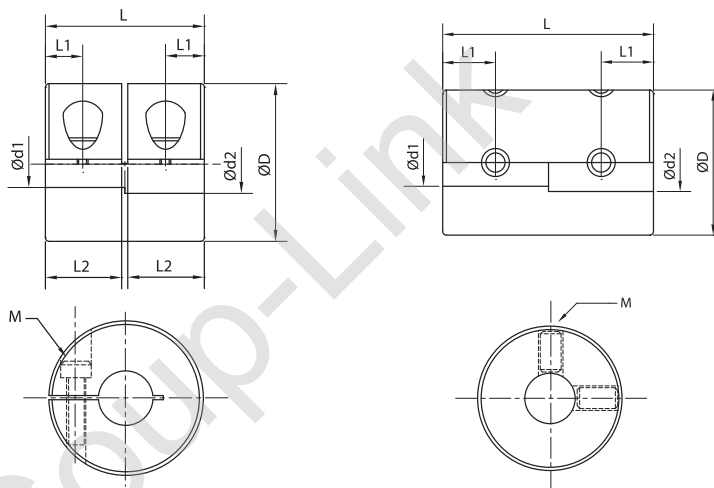
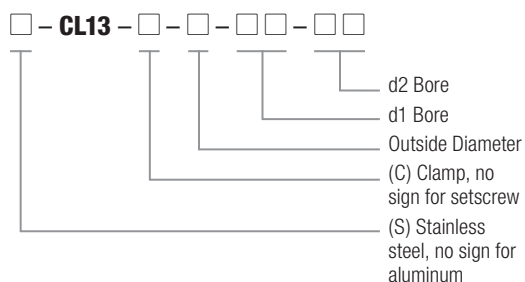


Stainless Steel

CL13 OPTIONS

Aluminum 6061
Stainless Steel 303
Setscrew
Clamp

ORDERING INFORMATION

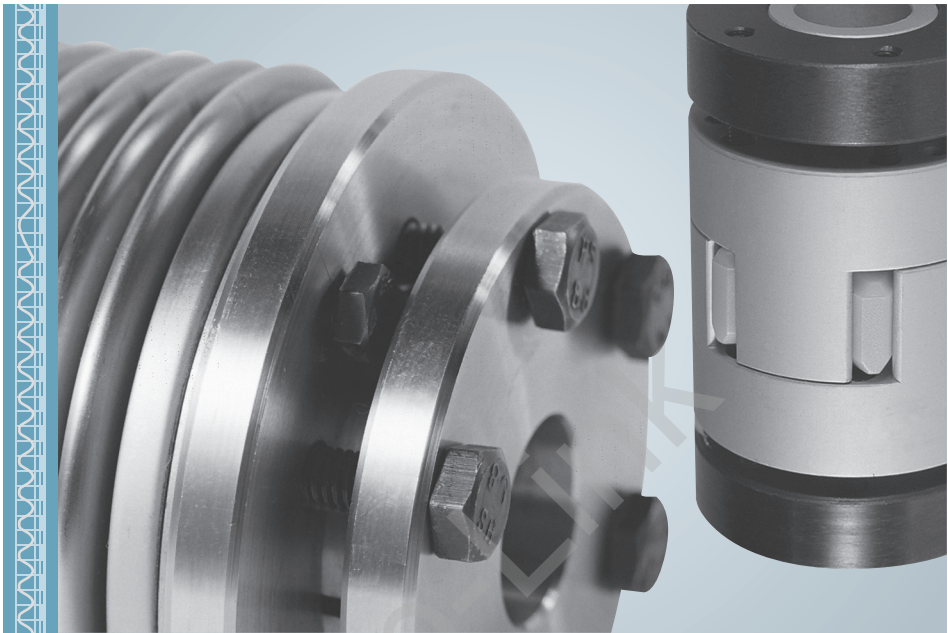


CL13 SETSCREW AND CLAMP DIMENSIONS

Model	Bore Range (Ød1-Ød2)				ØD	L		L1		L2	M		Wrench Torque	
	Setscrew		Clamp		Setscrew & Clamp	Setscrew	Clamp	Setscrew	Clamp	Clamp	Setscrew	Clamp	Setscrew	Clamp
	in	mm	in	mm		mm	mm	mm	mm	mm	metric	metric	Nm	Nm
CL13-16	0.11-0.24	3-6	0.19-0.24	5-6	16	24	16	6	3.75	7.5	M3	M2.5	0.7	1
CL13-20	0.19-0.39	5-10	0.23-0.31	6-8	20	30	20	7	4.75	9.5	M3	M2.5	0.7	1
CL13-25	0.31-0.47	8-12	0.31-0.39	8-10	25	36	25	9	6	12	M4	M3	1.7	1.5
CL13-32	0.47-0.63	12-16	0.39-0.55	10-14	32	41	32	10	7.75	15.5	M4	M4	1.7	2.5
SCL13-16	0.11-0.24	3-6	0.19-0.24	5-6	16	24	16	6	3.75	7.5	M3	M2.5	0.7	1
SCL13-20	0.19-0.39	5-10	0.23-0.31	6-8	20	30	29	7	4.75	9.5	M3	M2.5	0.7	1
SCL13-25	0.31-0.47	8-12	0.31-0.39	8-10	25	36	25	9	6	12	M4	M3	1.7	1.5
SCL13-32	0.47-0.63	12-16	0.39-0.55	10-14	32	41	32	10	7.75	15.5	M4	M4	1.7	2.5

CL13 SETSCREW AND CLAMP SPECIFICATIONS

Model	Rated Torque		Max. Torque		Max. Speed (rpm)		Moment of Inertia (kg•m²)		Mass (g)	
	lb-in	Nm	lb-in	Nm	Setscrew	Clamp	Setscrew	Clamp	Setscrew	Clamp
CL13-16	2.66	0.3	5.31	0.6	23000	9300	3.1x10 ⁻⁷	2.9x10 ⁻⁷	11	8.2
CL13-20	4.43	0.5	8.85	1.0	18000	7400	8.5x10 ⁻⁷	8.6x10 ⁻⁷	20	14.5
CL13-25	8.85	1.0	17.70	2.0	14000	6000	2.6x10 ⁻⁶	2.6x10 ⁻⁶	39	28
CL13-32	17.70	2.0	35.40	4.0	10000	4600	9.1x10 ⁻⁶	7.0x10 ⁻⁶	71	50
SCL13-16	2.66	0.3	5.31	0.6	23000	9300	8.1x10 ⁻⁷	7.9x10 ⁻⁷	28	21
SCL13-20	4.43	0.5	8.85	1.0	18000	7400	2.2x10 ⁻⁶	2.3x10 ⁻⁶	54	40
SCL13-25	8.85	1.0	17.70	2.0	14000	6000	7.1x10 ⁻⁶	7.2x10 ⁻⁶	100	79
SCL13-32	17.70	2.0	35.40	4.0	10000	4600	2.4x10 ⁻⁵	2.4x10 ⁻⁵	190	158



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CONVERSION FORMULAS

25.4 mm = 1 inch			1 Nm = 8.85 lb-in			1 gram = .0022 lbs		
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mm

0 1 2 3 4 5 6 7 8 9 10 11

in

0 1/4 1/2 3/4 1 1 1/4 1/2 3/4 2 1 1/4 1/2 3/4 3 1 1/4 1/2 3/4 4 1 1/4 1/2