

Disc Couplings

CL11 Heavy Duty Series



Single Disc



Double Disc

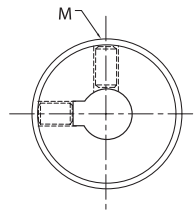
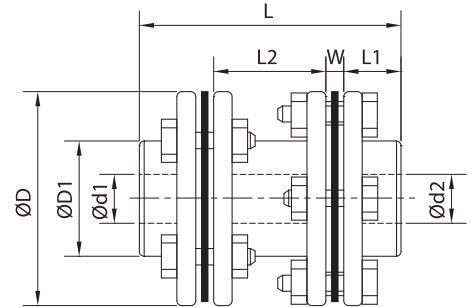
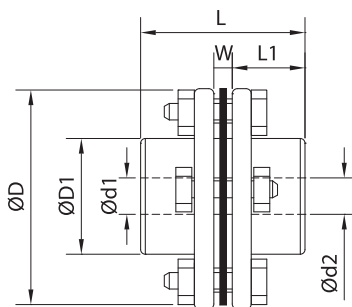
CL11 OPTIONS

Steel Body
Stainless Steel Plate Springs
Single Disc
Double Disc
Keyway

ORDERING INFORMATION

CL11 - □ - K - □ - □ - □ - □

(WP) Double disc, no sign for single disc
d2 Bore
d1 Bore
(K) Keyway is only option
Outside Diameter



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 Double	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

Disc Couplings

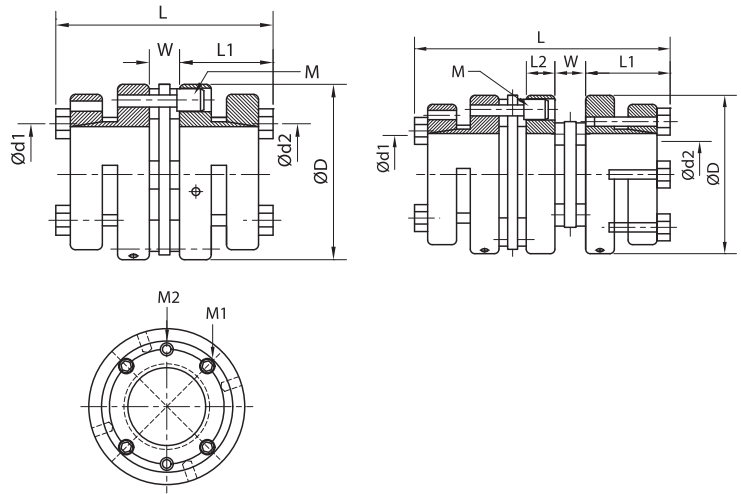
CL15 Heavy Duty Series

ORDERING INFORMATION

CL15 - □ - □ - □ - □ - □ - □

(WP) Double disc,
no sign for single disc
d2 Bore
d1 Bore
(L) Long, no sign for
short version
Outside Diameter

* 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