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

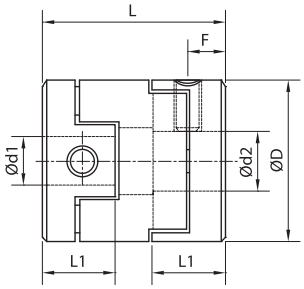
CL4 OPTIONS

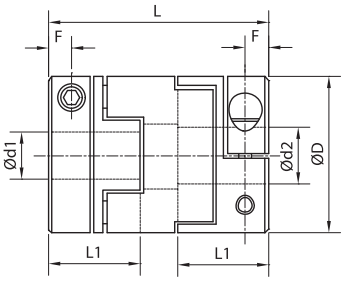
Aluminum Alloy Hubs
Elastomer Insert
Setscrew
Clamp

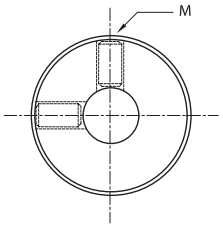
ORDERING INFORMATION

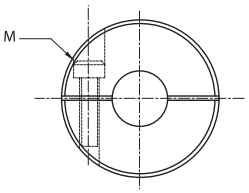
CL4 – □ – □ – □□ – □□

- d2 Bore
- d1 Bore
- Outside Diameter
- (C) Clamp, no sign for setscrew









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	rpm	Setscrew	Clamp	Nm/rad	Setscrew and 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