

CL8 SERIES SPECIFICATIONS

Curved Jaw Coupling



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
	IN-LB	NM	IN-LB	NM	SETSCREW	CLAMP	SETSCREW	CLAMP	NM/RAD	MM	°	MM	G
CL8-14-B	6.19	0.7	12.39	1.4	34,100	27,000	2.0 × 10 ⁻⁷	2.0 × 10 ⁻⁷	8.6	0.15	1	+0.6/0	7
CL8-20-B	15.93	1.8	31.86	3.6	23,800	19,000	1.12 × 10 ⁻⁶	1.06 × 10 ⁻⁶	17	0.19	1	+0.8/0	19
CL8-25-B	26.55	3	53.1	6	19,100	15,200	3.05 × 10 ⁻⁶	3.15 × 10 ⁻⁶	54	0.2	1	+0.9/0	32
CL8-30-B	35.4	4	70.81	8	15,900	12,700	6.12 × 10 ⁻⁶	6.15 × 10 ⁻⁶	62	0.2	1	+1.0/0	46
CL8-40S-B	53.1	6	106.21	12	11,900	9,550	3.03 × 10 ⁻⁵	3.01 × 10 ⁻⁵	380	0.2	1	+1.2/0	113
CL8-40-B	53.1	6	106.21	12	11,900	9,550	3.74 × 10 ⁻⁵	3.66 × 10 ⁻⁵	380	0.2	1	+1.2/0	137
CL8-14-Y	10.62	1.2	21.24	2.4	34,100	27,000	2.0 × 10 ⁻⁷	2.0 × 10 ⁻⁷	14	0.1	1	+0.6/0	7
CL8-20-Y	26.55	3	53.1	6	23,800	19,000	1.12 × 10 ⁻⁶	1.06 × 10 ⁻⁶	31	0.13	1	+0.8/0	19
CL8-25-Y	44.25	5	88.51	10	19,100	15,200	3.05 × 10 ⁻⁶	3.15 × 10 ⁻⁶	65	0.14	1	+0.9/0	32
CL8-30-Y	66.38	7.5	132.76	15	15,900	12,700	6.12 × 10 ⁻⁶	6.15 × 10 ⁻⁶	73	0.15	1	+1.0/0	46
CL8-40S-Y	106.21	12	212.42	24	11,900	9,550	3.03 × 10 ⁻⁵	3.01 × 10 ⁻⁵	570	0.1	1	+1.2/0	113
CL8-40-Y	106.21	12	212.42	24	11,900	9,550	3.74 × 10 ⁻⁵	3.66 × 10 ⁻⁵	570	0.1	1	+1.2/0	137
CL8-55-Y	309.78	35	619.55	70	8,650	6,950	1.66 × 10 ⁻⁴	1.60 × 10 ⁻⁴	1,600	0.14	1	+1.4/0	344
CL8-65-Y	840.82	95	1,681.64	190	7,350	5,850	3.59 × 10 ⁻⁴	3.55 × 10 ⁻⁴	3,000	0.15	1	+1.5/0	505
CL8-80-Y	1,681.64	190	3,363.28	380	5,950	4,750	1.05 × 10 ⁻³	1.04 × 10 ⁻³	5,300	0.17	1	+1.8/0	1,006
CL8-95-Y	2,345.48	265	4,690.9	530	5,000	4,000	2.29 × 10 ⁻³	2.27 × 10 ⁻³	6,200	0.19	1	+2.0/0	1,531
CL8-105-Y	2,743.73	310	5,487.46	620	4,550	3,600	3.82 × 10 ⁻³	3.79 × 10 ⁻³	10,870	0.23	1	+2.1/0	2,106
CL8-14-R	17.7	2	35.4	4	34,100	27,000	2.0 × 10 ⁻⁷	2.0 × 10 ⁻⁷	22	0.06	0.9	+0.6/0	7
CL8-20-R	44.25	5	88.51	10	23,800	19,000	1.12 × 10 ⁻⁶	1.06 × 10 ⁻⁶	51	0.08	0.9	+0.8/0	19
CL8-25-R	79.65	9	159.3	18	19,100	15,200	3.05 × 10 ⁻⁶	3.15 × 10 ⁻⁶	85	0.08	0.9	+0.9/0	32
CL8-30-R	110.63	12.5	221.27	25	15,900	12,700	6.12 × 10 ⁻⁶	6.15 × 10 ⁻⁶	130	0.09	0.9	+1.0/0	46
CL8-40S-R	185.87	21	371.73	42	11,900	9,550	3.03 × 10 ⁻⁵	3.01 × 10 ⁻⁵	1,200	0.06	0.9	+1.2/0	113
CL8-40-R	185.85	21	371.73	42	11,900	9,550	3.74 × 10 ⁻⁵	3.66 × 10 ⁻⁵	1,200	0.06	0.9	+1.2/0	137
CL8-55-R	531	60	1062.1	120	8,650	6,950	1.66 × 10 ⁻⁴	1.60 × 10 ⁻⁴	2,600	0.1	0.9	+1.4/0	344
CL8-65-R	1,416.1	160	2,832.2	320	7,350	5,850	3.59 × 10 ⁻⁴	3.55 × 10 ⁻⁴	4,900	0.1	0.9	+1.5/0	505
CL8-80-R	2,876.5	325	5,752.9	650	5,950	4,750	1.05 × 10 ⁻³	1.04 × 10 ⁻³	6,500	0.1	0.9	+1.8/0	1,006
CL8-95-R	3,982.8	450	7,965.7	900	5,000	4,000	2.29 × 10 ⁻³	2.27 × 10 ⁻³	8,900	0.1	0.9	+2.0/0	1,531
CL8-105-R	4,646.6	525	9,293.3	1,050	4,550	3,600	3.82 × 10 ⁻³	3.79 × 10 ⁻³	25,759	0.1	0.9	+2.1/0	2,106
CL8-120-R	6,062.7	685	12,125.5	1,370	3,950	3,150	7.63 × 10 ⁻³	7.6 × 10 ⁻³	32,117	0.1	0.9	+2.2/0	3,280
CL8-135-R	8,319.7	940	16,639.4	1,880	3,500	2,800	1.44 × 10 ⁻²	1.44 × 10 ⁻²	38,520	0.1	0.9	+2.6/0	4,971
CL8-55-G	663.81	75	1,327.61	150	8,650	8,650	1.66 × 10 ⁻⁴	1.60 × 10 ⁻⁴	5,030	0.07	0.8	+1.4/0	344
CL8-65-G	1,770.1	200	3,540.3	400	7,350	7,350	3.59 × 10 ⁻⁴	3.55 × 10 ⁻⁴	10,260	0.08	0.8	+1.5/0	505
CL8-80-G	3,584.6	405	7,168.1	810	5,950	5,950	1.05 × 10 ⁻³	1.04 × 10 ⁻³	16,300	0.09	0.8	+1.8/0	1,006
CL8-95-G	4,956.4	560	9,912.8	1,120	5,000	5,000	2.29 × 10 ⁻³	2.27 × 10 ⁻³	26,860	0.1	0.8	+2.0/0	1,530
CL8-105-G	5,796.24	655	11,594.48	1,310	4,550	4,550	3.82 × 10 ⁻³	3.79 × 10 ⁻³	47,630	0.11	0.8	+2.1/0	2,106

(1) Moment of inertia and mass figures based on the maximum shaft bores. (2) The maximum speed does not consider dynamic balance. (3) The elastic value is 20°C.