

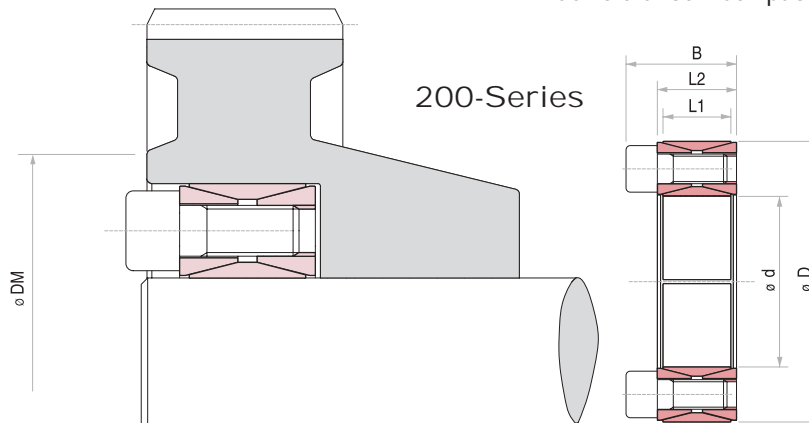


CLIMAX

METAL PRODUCTS COMPANY

KEYLESS LOCKING ASSEMBLIES MEDIUM-HIGH TORQUE 200-SERIES

Wide Tolerance - Compact Size - Easy Dismantling



200-SERIES KEYLESS LOCKING ASSEMBLIES - INCH

Climax Metal Products Company • www.climaxmetal.com • Phone: 800-542-6552 • Fax: 800-860-5553

200
INCH

Climax Part #	Length			MS Screw Seating Torque (max.)	Torque (max.)	Axial Load (max.)	Shaft Pressure	Hub Pressure (approx.)	Weight			
	ID	ID	OD									
	d	d	D	L1	L2	B	Incl.cap Screw Size	MS Torque (max.)	FAX	Ps	Ph	Lb
	inch	inch	inch	inch	inch	inch	n x type	Lb-ft	Lbf	psi	psi	Lb
C200E-075	3/4	0.7500	1.850	0.669	0.787	1.083	8 x M6	11	199	6619	14177	0.4
C200E-087	7/8	0.8750	1.850	0.669	0.787	1.083	8 x M6	11	232	6619	14177	0.4
C200E-100	1	1.0000	1.969	0.669	0.787	1.083	8 x M6	11	264	6572	13232	0.7
C200E-112	1 1/8	1.1250	2.165	0.669	0.787	1.083	10 x M6	11	368	8176	14965	0.7
C200E-118	1 3/16	1.1875	2.159	0.669	0.787	1.083	10 x M6	11	388	8157	14973	0.7
C200E-125	1 1/4	1.2500	2.362	0.669	0.787	1.083	12 x M6	11	487	9741	16344	0.7
C200E-137	1 3/8	1.3750	2.365	0.669	0.787	1.083	12 x M6	11	533	9694	16247	0.7
C200E-143	1 7/16	1.4375	2.559	0.669	0.787	1.083	14 x M6	11	647	11242	17411	0.9
C200E-150	1 1/2	1.5000	2.559	0.669	0.787	1.083	14 x M6	11	671	11174	17306	0.7
C200E-162	1 5/8	1.6250	2.953	0.787	0.945	1.319	12 x M8	27	1174	18055	20599	1
C200E-168	1 11/16	1.6875	2.953	0.787	0.945	1.319	12 x M8	27	1215	17989	20524	1
C200E-175	1 3/4	1.7500	2.953	0.787	0.945	1.319	12 x M8	27	1260	17989	20524	1
C200E-187	1 7/8	1.8750	3.150	0.787	0.945	1.319	12 x M8	27	1344	17923	19170	1
C200E-193	1 15/16	1.9375	3.150	0.787	0.945	1.319	12 x M8	27	1386	17878	19123	1
C200E-200	2	2.0000	3.346	0.787	0.945	1.319	14 x M8	27	1663	20781	20920	1
C200E-212	2 1/8	2.1250	3.346	0.787	0.945	1.319	14 x M8	27	1767	20781	20920	1
C200E-218	2 3/16	2.1875	3.543	0.787	0.945	1.319	14 x M8	27	1810	20678	19660	2
C200E-225	2 1/4	2.2500	3.543	0.787	0.945	1.319	14 x M8	27	1862	20678	19660	2
C200E-237	2 3/8	2.3750	3.531	0.787	0.945	1.319	14 x M8	27	1965	20678	19728	2
C200E-243	2 7/16	2.4375	3.740	0.787	0.945	1.319	16 x M8	27	2296	23544	21206	2
C200E-250	2 1/2	2.5000	3.740	0.787	0.945	1.319	16 x M8	27	2355	23544	21206	2
C200E-256	2 9/16	2.5625	3.737	0.787	0.945	1.319	16 x M8	27	2414	23544	21224	2
C200E-262	2 5/8	2.6250	4.331	0.945	1.102	1.555	14 x M10	52	3186	30340	19668	3
C200E-268	2 11/16	2.6875	4.331	0.945	1.102	1.555	14 x M10	52	3262	30340	19668	3
C200E-275	2 3/4	2.7500	4.337	0.945	1.102	1.555	14 x M10	52	3337	30340	19639	3
C200E-287	2 7/8	2.8750	4.528	0.945	1.102	1.555	14 x M10	52	3472	30187	18718	3
C200E-293	2 15/16	2.9375	4.528	0.945	1.102	1.555	14 x M10	52	3548	30187	18718	3
C200E-300	3	3.0100	4.724	0.945	1.102	1.555	14 x M10	52	3604	30034	17847	3
C200E-312	3 1/8	3.1250	4.724	0.945	1.102	1.555	14 x M10	52	3755	30034	17847	3
C200E-325	3 1/4	3.2500	4.921	0.945	1.102	1.555	16 x M10	52	4445	34194	19506	3
C200E-337	3 3/8	3.3750	4.921	0.945	1.102	1.555	16 x M10	52	4617	34194	19506	3
C200E-343	3 7/16	3.4375	5.118	0.945	1.102	1.555	16 x M10	52	4684	34063	18684	3
C200E-350	3 1/2	3.5000	5.118	0.945	1.102	1.555	16 x M10	52	4770	34063	18684	3
C200E-362	3 5/8	3.6250	5.315	0.945	1.102	1.555	18 x M10	52	5536	38173	20163	4
C200E-375	3 3/4	3.7500	5.305	0.945	1.102	1.555	18 x M10	52	5727	38173	20201	4
C200E-387	3 7/8	3.8750	5.709	1.024	1.299	1.850	14 x M12	94	6923	44663	20275	5
C200E-393	3 15/16	3.9375	5.709	1.024	1.299	1.850	14 x M12	94	7035	44663	20275	5
C200E-400	4	4.0000	5.843	1.024	1.299	1.850	14 x M12	94	7147	44663	19809	5

NOTE: Stocked sizes available through 8" diameter.



Installation

Carefully clean the hub and shaft contact surfaces and apply a thin film of lightweight oil. Slide the locking assembly into the hub bore and insert the shaft. Tighten cadmium plated clamping screws until inner ring grips the shaft and the outer ring grips the hub bore then tighten gradually and regularly in crossed sequence all screws to reach the tightening torque Ms indicated in the rating table.

The values Mt and Fax indicated in the rating table are valid only in case of oil installation. Do not use any oil with molybdenum bisulphide, high pressure additives or grease. Above substances notably reduce the coefficient of friction.

Dismantling

By loosening all tightening screws the clamping unit is normally released. In case of difficulties slightly hammer the released screws to push back the rear pressure cone.

Axial Movement

200-Series: during tightening of mounting screws the hub has no axial movement with respect to the shaft.

Ideal for Hostile Environments

- Aggregate
- Citrus
- Pot Ash
- Lumber
- Gold Mines
- Silver Mines
- Diamond Mines
- Waste Treatment

Tolerances, surface finish

A good machined surface finish is sufficient.

Maximum allowable surface finish:

Rt max 16 µm (Ra 3 µm - Rz 13 µm)

Maximum permissible tolerances:

h11 for shaft (Ød)

H11 for hub (ØD)

For exact tolerance values and DM hub calculation see page 3.

200 METRIC	ID dx D	ID d	OD D	Length			Length Incl. cap	MS Screw Seating		Torque (max.)	Axial Load (max.)	Shaft Pressure	Hub Pressure	Weight (approx.)
				L1	L2	B		Size	Torque					
Climax Part #	mm	inch	inch	inch	inch	inch	n x type	Lb-ft	Lb-ft	Lbf	psi	psi	Lb	
C200M-19x47	19 x 47	0.748	1.850	0.669	0.787	1.083	8 x M6	11	199	6519	32633	13779	0.4	
C200M-20x47	20 x 47	0.787	1.850	0.669	0.787	1.083	8 x M6	11	207	6519	32633	13779	0.4	
C200M-22x47	22 x 47	0.866	1.850	0.669	0.787	1.083	8 x M6	11	229	6519	30458	13779	0.4	
C200M-24x50	24 x 50	0.945	1.969	0.669	0.787	1.083	8 x M6	11	273	7194	30458	14504	0.7	
C200M-25x50	25 x 50	0.984	1.969	0.669	0.787	1.083	8 x M6	11	295	7194	29008	14504	0.7	
C200M-28x55	28 x 55	1.102	2.165	0.669	0.787	1.083	10 x M6	11	369	8093	29008	14504	0.7	
C200M-30x55	30 x 55	1.181	2.165	0.669	0.787	1.083	10 x M6	11	391	8093	26832	14504	0.7	
C200M-32x60	32 x 60	1.260	2.362	0.669	0.787	1.083	12 x M6	11	502	9442	29733	15954	0.7	
C200M-35x60	35 x 60	1.378	2.362	0.669	0.787	1.083	12 x M6	11	553	9667	27557	15954	0.7	
C200M-38x65	38 x 65	1.496	2.559	0.669	0.787	1.083	14 x M6	11	686	11016	29008	16679	0.9	
C200M-40x65	40 x 65	1.575	2.559	0.669	0.787	1.083	14 x M6	11	723	11016	27557	16679	0.7	
C200M-42x75	42 x 75	1.654	2.953	0.787	0.945	1.319	12 x M8	27	1165	16861	34084	18855	1	
C200M-45x75	45 x 75	1.772	2.953	0.787	0.945	1.319	12 x M8	27	1254	17086	31908	18855	1	
C200M-48x80	48 x 80	1.890	3.150	0.787	0.945	1.319	12 x M8	27	1320	16636	30458	17405	1	
C200M-50x80	50 x 80	1.969	3.150	0.787	0.945	1.319	12 x M8	27	1379	16861	29008	17405	1	
C200M-55x85	55 x 85	2.165	3.346	0.787	0.945	1.319	14 x M8	27	1763	19783	30458	19580	1	
C200M-60x90	60 x 90	2.362	3.543	0.787	0.945	1.319	14 x M8	27	1925	19783	27557	18130	2	
C200M-65x95	65 x 95	2.559	3.740	0.787	0.945	1.319	16 x M8	27	2368	22031	29008	19580	2	
C200M-70x110	70 x 110	2.756	4.331	0.945	1.102	1.555	14 x M10	52	3393	29675	30458	18855	3	
C200M-75x115	75 x 115	2.953	4.528	0.945	1.102	1.555	14 x M10	52	3614	29450	28282	18130	3	
C200M-80x120	80 x 120	3.150	4.724	0.945	1.102	1.555	14 x M10	52	3835	29450	26107	17405	3	
C200M-85x125	85 x 125	3.346	4.921	0.945	1.102	1.555	16 x M10	52	4647	33272	28282	18855	3	
C200M-90x130	90 x 130	3.543	5.118	0.945	1.102	1.555	16 x M10	52	4868	33047	26107	18130	3	
C200M-95x135	95 x 135	3.740	5.315	0.945	1.102	1.555	18 x M10	52	5827	37543	28282	19580	4	

NOTE: Stocked sizes available in larger diameters.