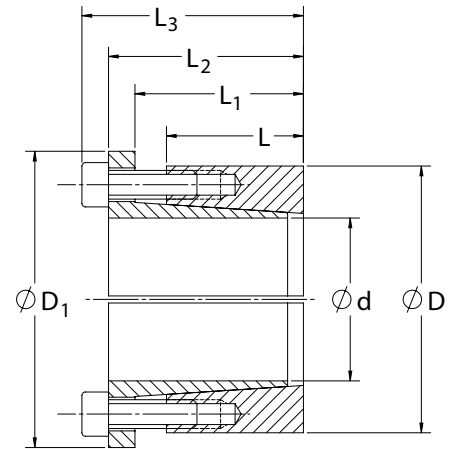




SERIES C192 LOCKING ASSEMBLY

- Drop-in replacement for commonly used hex nut keyless bushings
- Simple installation using annular M6 Socket Head Cap Screws
- No axial movement of mounted component during installation

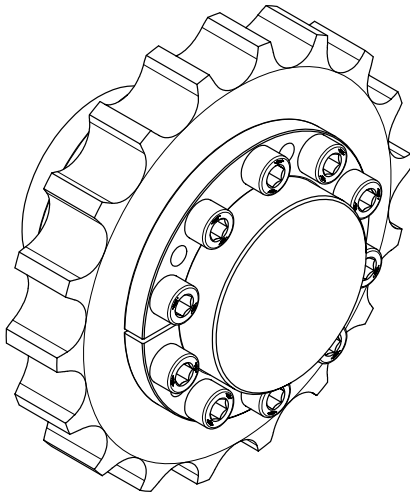


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	D ₁	L	L ₁	L ₂	L ₃	M _t (in-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
														Qty.	Size	M _a (in-lbs)
C192E-062	5/8	0.625	1.500	1.693	0.551	0.750	0.984	1.220	1,708	5,471	24,827	10,348	1.896	4	M6 x 20	150
C192E-068	11/16	0.688	1.500	1.693	0.551	0.750	0.984	1.220	1,876	5,471	22,580	10,348	1.896	4	M6 x 20	150
C192E-075	3/4	0.750	1.500	1.693	0.551	0.750	0.984	1.220	2,053	5,471	20,695	10,348	1.896	4	M6 x 20	150
C192E-081	13/16	0.813	1.750	1.969	0.677	0.875	1.110	1.346	2,779	6,839	20,435	9,489	2.168	5	M6 x 20	150
C192E-087	7/8	0.875	1.750	1.969	0.677	0.875	1.110	1.346	2,992	6,839	18,973	9,489	2.168	5	M6 x 20	150
C192E-093	15/16	0.938	1.750	1.969	0.677	0.875	1.110	1.346	3,204	6,839	17,714	9,489	2.168	5	M6 x 20	150
C192E-100	1	1.000	1.750	1.969	0.677	0.875	1.110	1.346	3,416	6,839	16,605	9,489	2.168	5	M6 x 20	150
C192E-106	1 1/16	1.063	2.000	2.244	0.764	1.000	1.236	1.472	4,363	8,207	16,390	8,708	2.433	6	M6 x 20	150
C192E-112	1 1/8	1.125	2.000	2.244	0.764	1.000	1.236	1.472	4,620	8,207	15,478	8,708	2.433	6	M6 x 20	150
C192E-118	1 3/16	1.188	2.000	2.244	0.764	1.000	1.236	1.472	4,877	8,207	14,667	8,708	2.433	6	M6 x 20	150
C192E-125	1 1/4	1.250	2.000	2.244	0.764	1.000	1.236	1.472	5,133	8,207	13,933	8,708	2.433	6	M6 x 20	150
C192E-131	1 5/16	1.313	2.375	2.638	1.220	1.500	1.732	1.969	7,178	10,943	11,825	6,535	2.749	8	M6 x 20	150
C192E-137	1 3/8	1.375	2.375	2.638	1.220	1.500	1.732	1.969	7,523	10,943	11,287	6,535	2.749	8	M6 x 20	150
C192E-143	1 7/16	1.438	2.375	2.638	1.220	1.500	1.732	1.969	7,868	10,943	10,798	6,535	2.749	8	M6 x 20	150
C192E-150	1 1/2	1.500	2.375	2.638	1.220	1.500	1.732	1.969	8,205	10,943	10,348	6,535	2.749	8	M6 x 20	150
C192E-156	1 9/16	1.563	2.625	2.874	1.409	1.688	1.921	2.157	8,550	10,943	8,819	5,249	2.952	8	M6 x 20	150
C192E-162	1 5/8	1.625	2.625	2.874	1.409	1.688	1.921	2.157	8,895	10,943	8,480	5,249	2.952	8	M6 x 20	150
C192E-168	1 11/16	1.688	2.625	2.874	1.409	1.688	1.921	2.157	9,231	10,943	8,167	5,249	2.952	8	M6 x 20	150
C192E-175	1 3/4	1.750	2.625	2.874	1.409	1.688	1.921	2.157	9,577	10,943	7,875	5,249	2.952	8	M6 x 20	150
C192E-181	1 13/16	1.813	2.875	3.189	1.724	2.000	2.236	2.472	9,922	10,943	6,406	4,038	3.146	8	M6 x 20	150
C192E-187	1 7/8	1.875	2.875	3.189	1.724	2.000	2.236	2.472	10,258	10,943	6,192	4,038	3.146	8	M6 x 20	150
C192E-193	1 15/16	1.938	2.875	3.189	1.724	2.000	2.236	2.472	10,603	10,943	5,993	4,038	3.146	8	M6 x 20	150
C192E-200	2	2.000	2.875	3.189	1.724	2.000	2.236	2.472	10,940	10,943	5,805	4,038	3.146	8	M6 x 20	150

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point $\geq 45,000$ psi. For details refer to page 8.



SERIES C192 LOCKING ASSEMBLY

CLIMAX Series C192 installed in a roller chain sprocket. Note that unlike with many hex nut keyless bushings, the sprocket does not move axially during installation, greatly simplifying chain alignment. Our Series C192 is supplied Zinc plated from stock for added corrosion protection.



Metric

CLIMAX Part No.	Shaft Size (mm)								M _t (in-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
		d	D	D ₁	L	L ₁	L ₂	L ₃						Qty.	Size	M _a (in-lbs)
C192M-15X38	15	0.591	1.496	1.693	0.551	0.750	0.984	1.220	1,620	5,471	26,283	10,375	1.892	4	M6 x 20	150
C192M-16X38	16	0.630	1.496	1.693	0.551	0.750	0.984	1.220	1,726	5,471	24,641	10,375	1.892	4	M6 x 20	150
C192M-17X38	17	0.669	1.496	1.693	0.551	0.750	0.984	1.220	1,832	5,471	23,191	10,375	1.892	4	M6 x 20	150
C192M-18X38	18	0.709	1.496	1.693	0.551	0.750	0.984	1.220	1,938	5,471	21,903	10,375	1.892	4	M6 x 20	150
C192M-19X38	19	0.748	1.496	1.693	0.551	0.750	0.984	1.220	2,045	5,471	20,750	10,375	1.892	4	M6 x 20	150
C192M-20X45	20	0.787	1.772	1.969	0.677	0.875	1.110	1.346	2,691	6,839	21,089	9,373	2.189	5	M6 x 20	150
C192M-22X45	22	0.866	1.772	1.969	0.677	0.875	1.110	1.346	2,965	6,839	19,172	9,373	2.189	5	M6 x 20	150
C192M-24X45	24	0.945	1.772	1.969	0.677	0.875	1.110	1.346	3,231	6,839	17,574	9,373	2.189	5	M6 x 20	150
C192M-25X45	25	0.984	1.772	1.969	0.677	0.875	1.110	1.346	3,363	6,839	16,871	9,373	2.189	5	M6 x 20	150
C192M-28X51	28	1.102	2.008	2.244	0.764	1.000	1.236	1.472	4,523	8,207	15,799	8,674	2.441	6	M6 x 20	150
C192M-30X51	30	1.181	2.008	2.244	0.764	1.000	1.236	1.472	4,850	8,207	14,746	8,674	2.441	6	M6 x 20	150
C192M-32X51	32	1.260	2.008	2.244	0.764	1.000	1.236	1.472	5,169	8,207	13,824	8,674	2.441	6	M6 x 20	150
C192M-34X60.5	34	1.339	2.382	2.638	1.220	1.500	1.732	1.969	7,320	10,943	11,596	6,517	2.756	8	M6 x 20	150
C192M-35X60.5	35	1.378	2.382	2.638	1.220	1.500	1.732	1.969	7,541	10,943	11,264	6,517	2.756	8	M6 x 20	150
C192M-36X60.5	36	1.417	2.382	2.638	1.220	1.500	1.732	1.969	7,753	10,943	10,951	6,517	2.756	8	M6 x 20	150
C192M-38X60.5	38	1.496	2.382	2.638	1.220	1.500	1.732	1.969	8,187	10,943	10,375	6,517	2.756	8	M6 x 20	150
C192M-40X67	40	1.575	2.638	2.874	1.409	1.688	1.921	2.157	8,621	10,943	8,751	5,224	2.964	8	M6 x 20	150
C192M-42X67	42	1.654	2.638	2.874	1.409	1.688	1.921	2.157	9,045	10,943	8,334	5,224	2.964	8	M6 x 20	150
C192M-45X73	45	1.772	2.874	3.189	1.724	2.000	2.236	2.472	9,692	10,943	6,554	4,040	3.145	8	M6 x 20	150
C192M-48X73	48	1.890	2.874	3.189	1.724	2.000	2.236	2.472	10,338	10,943	6,144	4,040	3.145	8	M6 x 20	150
C192M-50X73	50	1.969	2.874	3.189	1.724	2.000	2.236	2.472	10,771	10,943	5,898	4,040	3.145	8	M6 x 20	150

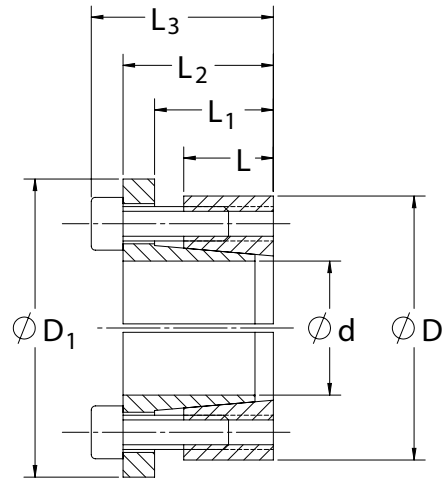
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C193 LOCKING ASSEMBLY

- Single taper, compact design for smaller shaft diameters
- Self-centering for excellent concentricity
- No axial movement of mounted component during installation

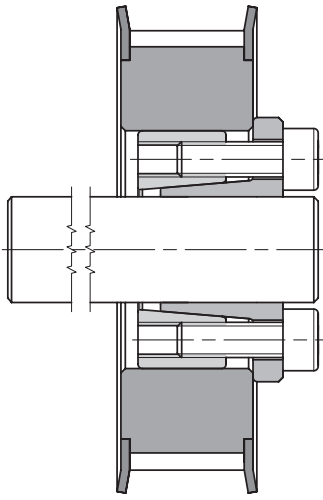


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	D ₁	L	L ₁	L ₂	L ₃	M _t (in-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
														Qty.	Size	M _a (in-lbs)
C193E-025	1/4	0.2500	0.8125	0.9375	0.394	0.516	0.650	0.807	185	1,479	39,820	12,252	1.074	3	M4 x 12	40
C193E-031	5/16	0.3125	0.8750	1.0000	0.394	0.516	0.650	0.807	257	1,643	35,396	12,641	1.168	3	M4 x 12	44
C193E-037	3/8	0.3750	0.9375	1.0625	0.394	0.516	0.650	0.807	308	1,643	29,496	11,799	1.226	3	M4 x 12	44
C193E-050	1/2	0.5000	1.0625	1.1875	0.394	0.516	0.650	0.807	548	2,191	29,496	13,881	1.462	4	M4 x 12	44
C193E-062	5/8	0.6250	1.1875	1.3125	0.472	0.594	0.807	0.964	1,027	3,286	29,546	15,551	1.703	6	M4 x 14	44
C193E-075	3/4	0.7500	1.3125	1.4375	0.472	0.594	0.807	0.964	1,232	3,286	24,622	14,070	1.814	6	M4 x 14	44
C193E-087	7/8	0.8750	1.5625	1.7500	0.591	0.754	0.984	1.181	2,309	5,277	27,070	15,159	2.219	6	M5 x 18	89
C193E-100	1	1.0000	1.6875	1.8750	0.591	0.754	0.984	1.181	3,518	7,037	31,582	18,715	2.627	8	M5 x 18	89
C193E-112	1 1/8	1.1250	1.8750	2.0000	0.669	0.829	1.102	1.299	4,453	7,916	27,900	16,740	2.771	9	M5 x 18	89
C193E-118	1 3/16	1.1875	1.9375	2.0625	0.669	0.829	1.102	1.299	5,222	8,796	29,368	18,000	2.960	10	M5 x 18	89
C193E-125	1 1/4	1.2500	2.0000	2.1250	0.669	0.829	1.102	1.299	5,497	8,796	27,900	17,437	3.010	10	M5 x 18	89
C193E-137	1 3/8	1.3750	2.1250	2.2500	0.669	0.829	1.102	1.299	6,047	8,796	25,364	16,412	3.115	10	M5 x 18	89

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point $\geq 45,000$ psi. For details refer to page 8.



SERIES C193 LOCKING ASSEMBLY

CLIMAX Series C193 mounts an aluminum synchronous pulley on a brushless servo motor. Many of today's high performance servo and stepper drives are supplied with no keyway.



Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	D ₁					M _t (in-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
					L	L ₁	L ₂	L ₃						Qty.	Size	M _a (in-lbs)
C193M-6	6	0.2362	0.8125	0.9375	0.394	0.516	0.650	0.807	175	1,479	42,143	12,252	1.074	3	M4 x 12	40
C193M-8	8	0.3150	0.8750	1.0000	0.394	0.516	0.650	0.807	259	1,643	35,119	12,641	1.168	3	M4 x 12	44
C193M-10	10	0.3937	0.9375	1.0625	0.394	0.516	0.650	0.807	323	1,643	28,095	11,799	1.226	3	M4 x 12	44
C193M-11	11	0.4331	1.0625	1.1875	0.394	0.516	0.650	0.807	474	2,191	34,055	13,881	1.462	4	M4 x 12	44
C193M-12	12	0.4724	1.0625	1.1875	0.394	0.516	0.650	0.807	517	2,191	31,217	13,881	1.462	4	M4 x 12	44
C193M-14	14	0.5512	1.1875	1.3125	0.472	0.594	0.807	0.964	906	3,286	33,504	15,551	1.703	6	M4 x 14	44
C193M-15	15	0.5906	1.1875	1.3125	0.472	0.594	0.807	0.964	970	3,286	31,270	15,551	1.703	6	M4 x 14	44
C193M-16	16	0.6299	1.1875	1.3125	0.472	0.594	0.807	0.964	1,035	3,286	29,316	15,551	1.703	6	M4 x 14	44
C193M-19	19	0.7480	1.3125	1.4375	0.472	0.594	0.807	0.964	1,229	3,286	24,687	14,070	1.814	6	M4 x 14	44
C193M-20	20	0.7874	1.5625	1.7500	0.591	0.754	0.984	1.181	2,078	5,277	30,082	15,159	2.219	6	M5 x 18	89
C193M-22	22	0.8661	1.5625	1.7500	0.591	0.754	0.984	1.181	2,285	5,277	27,347	15,159	2.219	6	M5 x 18	89
C193M-24	24	0.9449	1.6875	1.8750	0.591	0.754	0.984	1.181	3,324	7,037	33,424	18,715	2.627	8	M5 x 18	89
C193M-25	25	0.9843	1.6875	1.8750	0.591	0.754	0.984	1.181	3,463	7,037	32,087	18,715	2.627	8	M5 x 18	89
C193M-28	28	1.1024	1.8750	2.0000	0.669	0.829	1.102	1.299	4,363	7,916	28,473	16,740	2.771	9	M5 x 18	89
C193M-30	30	1.1811	1.9375	2.0625	0.669	0.829	1.102	1.299	5,194	8,796	29,527	18,000	2.960	10	M5 x 18	89
C193M-32	32	1.2598	2.0000	2.1250	0.669	0.829	1.102	1.299	5,541	8,796	27,682	17,437	3.010	10	M5 x 18	89
C193M-35	35	1.3780	2.1250	2.2500	0.669	0.829	1.102	1.299	6,060	8,796	25,309	16,412	3.115	10	M5 x 18	89

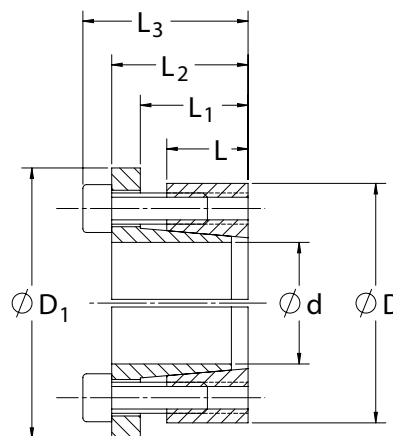
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point $\geq$ 45,000 psi. For details refer to page 8.



SERIES C133 LOCKING ASSEMBLY

- Single taper design with flange
- Excellent concentricity
- No axial movement of mounted component during installation

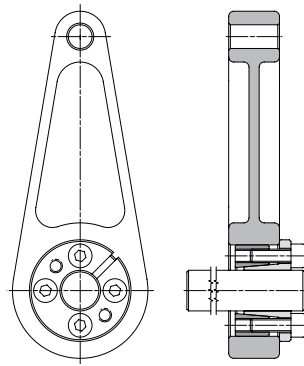


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	D ₁	L	L ₁	L ₂	L ₃	M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
														Qty.	Size	M _a (ft-lbs)
C133E-075	3/4	0.750	1.850	2.047	0.669	0.886	1.122	1.358	196	6,265	33,106	13,418	2.517	5	M6 x 20	13
C133E-087	7/8	0.875	1.850	2.047	0.669	0.886	1.122	1.358	228	6,265	28,376	13,418	2.517	5	M6 x 20	13
C133E-100	1	1.000	1.969	2.224	0.669	0.886	1.122	1.358	313	7,518	29,795	15,136	2.793	6	M6 x 20	13
C133E-112	1 1/8	1.125	2.165	2.421	0.669	0.886	1.122	1.358	352	7,518	26,485	13,760	2.970	6	M6 x 20	13
C133E-118	1 3/16	1.188	2.165	2.421	0.669	0.886	1.122	1.358	372	7,518	25,091	13,760	2.970	6	M6 x 20	13
C133E-125	1 1/4	1.250	2.362	2.618	0.669	0.886	1.122	1.358	522	10,024	31,781	16,818	3.499	8	M6 x 20	13
C133E-137	1 3/8	1.375	2.362	2.618	0.669	0.886	1.122	1.358	574	10,024	28,892	16,818	3.499	8	M6 x 20	13
C133E-143	1 7/16	1.438	2.559	2.815	0.669	0.886	1.122	1.358	600	10,024	27,636	15,524	3.667	8	M6 x 20	13
C133E-150	1 1/2	1.500	2.559	2.815	0.669	0.886	1.122	1.358	626	10,024	26,485	15,524	3.667	8	M6 x 20	13
C133E-162	1 5/8	1.625	2.953	3.287	0.787	1.043	1.358	1.673	1,097	16,206	33,596	18,489	4.569	7	M8 x 25	30
C133E-168	1 11/16	1.688	2.953	3.287	0.787	1.043	1.358	1.673	1,139	16,206	32,351	18,489	4.569	7	M8 x 25	30
C133E-175	1 3/4	1.750	2.953	3.287	0.787	1.043	1.358	1.673	1,182	16,206	31,196	18,489	4.569	7	M8 x 25	30
C133E-187	1 7/8	1.875	3.150	3.484	0.787	1.043	1.358	1.673	1,266	16,206	29,116	17,333	4.728	7	M8 x 25	30
C133E-193	1 15/16	1.938	3.150	3.484	0.787	1.043	1.358	1.673	1,308	16,206	28,177	17,333	4.728	7	M8 x 25	30
C133E-200	2	2.000	3.150	3.484	0.787	1.043	1.358	1.673	1,350	16,206	27,297	17,333	4.728	7	M8 x 25	30
C133E-212	2 1/8	2.125	3.346	3.681	0.787	1.043	1.358	1.673	1,640	18,521	29,361	18,644	5.200	8	M8 x 25	30
C133E-218	2 3/16	2.188	3.346	3.681	0.787	1.043	1.358	1.673	1,688	18,521	28,522	18,644	5.200	8	M8 x 25	30
C133E-225	2 1/4	2.250	3.543	3.858	0.787	1.043	1.358	1.673	1,736	18,521	27,730	17,608	5.357	8	M8 x 25	30
C133E-237	2 3/8	2.375	3.543	3.858	0.787	1.043	1.358	1.673	1,833	18,521	26,270	17,608	5.357	8	M8 x 25	30
C133E-243	2 7/16	2.438	3.740	4.016	0.787	1.043	1.358	1.673	2,116	20,836	28,796	18,767	5.831	9	M8 x 25	30
C133E-250	2 1/2	2.500	3.740	4.016	0.787	1.043	1.358	1.673	2,170	20,836	28,076	18,767	5.831	9	M8 x 25	30
C133E-256	2 9/16	2.563	3.740	4.016	0.787	1.043	1.358	1.673	2,225	20,836	27,392	18,767	5.831	9	M8 x 25	30
C133E-268	2 11/16	2.688	4.331	4.685	0.945	1.201	1.594	1.988	3,405	30,403	31,759	19,708	6.927	8	M10 x 30	61
C133E-275	2 3/4	2.750	4.331	4.685	0.945	1.201	1.594	1.988	3,484	30,403	31,037	19,708	6.927	8	M10 x 30	61
C133E-287	2 7/8	2.875	4.528	4.882	0.945	1.201	1.594	1.988	3,642	30,403	29,687	18,852	7.075	8	M10 x 30	61
C133E-293	2 15/16	2.938	4.528	4.882	0.945	1.201	1.594	1.988	3,721	30,403	29,056	18,852	7.075	8	M10 x 30	61
C133E-300	3	3.000	4.724	5.079	0.945	1.201	1.594	1.988	3,800	30,403	28,450	18,066	7.229	8	M10 x 30	61
C133E-325	3 1/4	3.250	4.921	5.276	0.945	1.201	1.594	1.988	4,632	34,204	29,545	19,511	7.829	9	M10 x 30	61
C133E-337	3 3/8	3.375	4.921	5.276	0.945	1.201	1.594	1.988	4,810	34,204	28,450	19,511	7.829	9	M10 x 30	61
C133E-343	3 7/16	3.438	5.118	5.472	0.945	1.201	1.594	1.988	4,899	34,204	27,933	18,761	7.978	9	M10 x 30	61
C133E-350	3 1/2	3.500	5.118	5.472	0.945	1.201	1.594	1.988	4,988	34,204	27,434	18,761	7.978	9	M10 x 30	61
C133E-375	3 3/4	3.750	5.315	5.669	0.945	1.201	1.594	1.988	5,938	38,004	28,450	20,073	8.588	10	M10 x 30	61
C133E-393	3 15/16	3.938	5.709	6.063	1.024	1.299	1.772	2.244	7,449	45,406	29,883	20,611	9.363	8	M12 x 35	107
C133E-400	4	4.000	5.709	6.063	1.024	1.299	1.772	2.244	7,568	45,406	29,416	20,611	9.363	8	M12 x 35	107
C133E-443	4 7/16	4.438	6.102	6.457	1.024	1.299	1.772	2.244	8,395	45,406	26,516	19,281	9.648	8	M12 x 35	107
C133E-475	4 3/4	4.750	6.496	6.850	1.024	1.299	1.772	2.244	10,110	51,081	27,867	20,377	10.585	9	M12 x 35	107
C133E-493	4 15/16	4.938	7.087	7.441	1.339	1.614	2.165	2.717	14,135	68,706	27,575	19,212	11.183	9	M14 x 40	170
C133E-500	5	5.000	7.087	7.441	1.339	1.614	2.165	2.717	14,314	68,706	27,230	19,212	11.183	9	M14 x 40	170
C133E-543	5 7/16	5.438	7.480	7.835	1.339	1.614	2.165	2.717	15,566	68,706	25,039	18,201	11.487	9	M14 x 40	170
C133E-593	5 15/16	5.938	7.874	8.228	1.339	1.614	2.165	2.717	18,886	76,340	25,478	19,212	12.425	10	M14 x 40	170
C133E-643	6 7/16	6.438	8.858	9.213	1.732	2.008	2.559	3.110	24,572	91,608	21,790	15,836	12.794	12	M14 x 40	170
C133E-693	6 15/16	6.938	9.252	9.606	1.732	2.008	2.559	3.110	26,480	91,608	20,220	15,162	13.137	12	M14 x 40	170
C133E-700	7	7.000	9.252	9.606	1.732	2.008	2.559	3.110	26,719	91,608	20,039	15,162	13.137	12	M14 x 40	170
C133E-743	7 7/16	7.438	9.843	10.197	1.732	2.008	2.559	3.110	35,486	114,510	23,576	17,815	14.961	15	M14 x 40	170
C133E-793	7 15/16	7.938	10.236	10.591	1.732	2.008	2.559	3.110	37,872	114,510	22,091	17,130	15.283	15	M14 x 40	170
C133E-800	8	8.000	10.236	10.591	1.732	2.008	2.559	3.110	38,170	114,510	21,918	17,130	15.283	15	M14 x 40	170

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



Our Series C133 can be supplied with an integrated Spacer Ring – sold separately – for applications with very narrow drive elements, such as the A-plate sprocket shown.

SERIES C133 LOCKING ASSEMBLY

CLIMAX Series C133 connects a lever arm onto plain shafting. KLDs provide infinite radial and axial positioning capabilities for component timing, belt or chain alignment, setting gear tooth backlash, etc.

Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	D ₁	L	L ₁	L ₂	L ₃	M _t (ft.-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
														Qty.	Size	M _a (ft.-lbs)
C133M-14X28	14	0.551	1.102	1.260	0.551	0.669	0.807	0.965	50	2,191	19,127	9,564	1.368	4	M4 x 12	3.7
C133M-15X28	15	0.591	1.102	1.260	0.551	0.669	0.807	0.965	54	2,191	17,852	9,564	1.368	4	M4 x 12	3.7
C133M-16X32	16	0.630	1.260	1.457	0.551	0.709	0.846	1.004	57	2,191	16,736	8,368	1.521	4	M4 x 12	3.7
C133M-18X47	18	0.709	1.850	2.047	0.669	0.886	1.122	1.358	185	6,265	35,037	13,418	2.517	5	M6 x 20	13
C133M-19X47	19	0.748	1.850	2.047	0.669	0.886	1.122	1.358	195	6,265	33,193	13,418	2.517	5	M6 x 20	13
C133M-20X47	20	0.787	1.850	2.047	0.669	0.886	1.122	1.358	206	6,265	31,533	13,418	2.517	5	M6 x 20	13
C133M-22X47	22	0.866	1.850	2.047	0.669	0.886	1.122	1.358	226	6,265	28,667	13,418	2.517	5	M6 x 20	13
C133M-24X50	24	0.945	1.969	2.224	0.669	0.886	1.122	1.358	296	7,518	31,533	15,136	2.793	6	M6 x 20	13
C133M-25X50	25	0.984	1.969	2.224	0.669	0.886	1.122	1.358	308	7,518	30,272	15,136	2.793	6	M6 x 20	13
C133M-28X55	28	1.102	2.165	2.421	0.669	0.886	1.122	1.358	345	7,518	27,028	13,760	2.970	6	M6 x 20	13
C133M-30X55	30	1.181	2.165	2.421	0.669	0.886	1.122	1.358	370	7,518	25,227	13,760	2.970	6	M6 x 20	13
C133M-32X60	32	1.260	2.362	2.618	0.669	0.886	1.122	1.358	526	10,024	31,533	16,818	3.499	8	M6 x 20	13
C133M-35X60	35	1.378	2.362	2.618	0.669	0.886	1.122	1.358	576	10,024	28,830	16,818	3.499	8	M6 x 20	13
C133M-38X65	38	1.496	2.559	2.815	0.669	0.886	1.122	1.358	625	10,024	26,554	15,524	3.667	8	M6 x 20	13
C133M-40X65	40	1.575	2.559	2.815	0.669	0.886	1.122	1.358	658	10,024	25,227	15,524	3.667	8	M6 x 20	13
C133M-42X75	42	1.654	2.953	3.287	0.787	1.043	1.358	1.673	1,117	16,206	33,016	18,489	4.569	7	M8 x 25	30
C133M-45X75	45	1.772	2.953	3.287	0.787	1.043	1.358	1.673	1,196	16,206	30,815	18,489	4.569	7	M8 x 25	30
C133M-48X80	48	1.890	3.150	3.484	0.787	1.043	1.358	1.673	1,276	16,206	28,889	17,333	4.728	7	M8 x 25	30
C133M-50X80	50	1.969	3.150	3.484	0.787	1.043	1.358	1.673	1,329	16,206	27,733	17,333	4.728	7	M8 x 25	30
C133M-55X85	55	2.165	3.346	3.681	0.787	1.043	1.358	1.673	1,671	18,521	28,814	18,644	5.200	8	M8 x 25	30
C133M-60X90	60	2.362	3.543	3.858	0.787	1.043	1.358	1.673	1,823	18,521	26,413	17,608	5.357	8	M8 x 25	30
C133M-65X95	65	2.559	3.740	4.016	0.787	1.043	1.358	1.673	2,222	20,836	27,429	18,767	5.831	9	M8 x 25	30
C133M-70X110	70	2.756	4.331	4.685	0.945	1.201	1.594	1.988	3,491	30,403	30,970	19,708	6.927	8	M10 x 30	61
C133M-75X115	75	2.953	4.528	4.882	0.945	1.201	1.594	1.988	3,741	30,403	28,906	18,852	7.075	8	M10 x 30	61
C133M-80X120	80	3.150	4.724	5.079	0.945	1.201	1.594	1.988	3,990	30,403	27,099	18,066	7.229	8	M10 x 30	61
C133M-85X125	85	3.346	4.921	5.276	0.945	1.201	1.594	1.988	4,769	34,204	28,693	19,511	7.829	9	M10 x 30	61
C133M-90X130	90	3.543	5.118	5.472	0.945	1.201	1.594	1.988	5,050	34,204	27,099	18,761	7.978	9	M10 x 30	61
C133M-95X135	95	3.740	5.315	5.669	0.945	1.201	1.594	1.988	5,923	38,004	28,525	20,073	8.588	10	M10 x 30	61
C133M-100X145	100	3.937	5.709	6.063	1.024	1.299	1.772	2.244	7,448	45,406	29,886	20,611	9.363	8	M12 x 35	107
C133M-110X155	110	4.331	6.102	6.457	1.024	1.299	1.772	2.244	8,193	45,406	27,169	19,281	9.648	8	M12 x 35	107
C133M-120X165	120	4.724	6.496	6.850	1.024	1.299	1.772	2.244	10,055	51,081	28,018	20,377	10.585	9	M12 x 35	107
C133M-130X180	130	5.118	7.087	7.441	1.339	1.614	2.165	2.717	14,652	68,706	26,602	19,212	11.183	9	M14 x 40	170
C133M-140X190	140	5.512	7.480	7.835	1.339	1.614	2.165	2.717	15,779	68,706	24,701	18,201	11.487	9	M14 x 40	170
C133M-150X200	150	5.906	7.874	8.228	1.339	1.614	2.165	2.717	18,784	76,340	25,616	19,212	12.425	10	M14 x 40	170
C133M-160X210	160	6.299	8.268	8.622	1.339	1.614	2.165	2.717	22,040	83,974	26,417	20,127	13.378	11	M14 x 40	170
C133M-170X225	170	6.693	8.858	9.213	1.732	2.008	2.559	3.110	25,547	91,608	20,959	15,836	12.794	12	M14 x 40	170
C133M-180X235	180	7.087	9.252	9.606	1.732	2.008	2.559	3.110	27,050	91,608	19,794	15,162	13.137	12	M14 x 40	170
C133M-190X250	190	7.480	9.843	10.197	1.732	2.008	2.559	3.110	35,690	114,510	23,441	17,815	14.961	15	M14 x 40	170
C133M-200X260	200	7.874	10.236	10.591	1.732	2.008	2.559	3.110	37,569	114,510	22,269	17,130	15.283	15	M14 x 40	170
C133M-220X285	220	8.661	11.220	11.496	1.969	2.244	2.874	3.504	45,638	126,459	19,674	15,187	15.943	12	M16 x 45	262
C133M-240X305	240	9.449	12.008	12.362	1.969	2.244	2.874	3.504	62,234	158,073	22,543	17,739	18.216	15	M16 x 45	262
C133M-260X325	260	10.236	12.795	13.150	1.969	2.244	2.874	3.504	80,904	189,688	24,971	19,977	20.618	18	M16 x 45	262
C133M-280X355	280	11.024	13.976	14.331	2.362	2.638	3.346	4.055	92,692	201,803	20,557	16,214	20.381	16	M18 x 50	358
C133M-300X375	300	11.811	14.764	15.118	2.362	2.638	3.346	4.055	111,726	227,028	21,585	17,268	22.123	18	M18 x 50	358

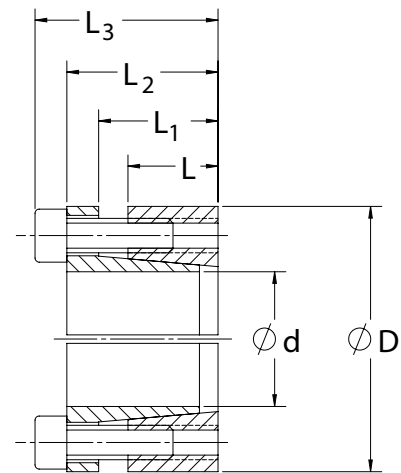
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C123 LOCKING ASSEMBLY

- Single taper design
- Flangeless design mounts flush inside component bore
- Mounted component moves axially during installation

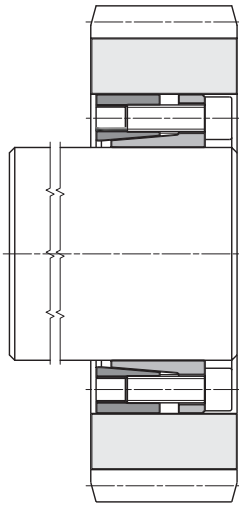


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	L	L ₁	L ₂	L ₃	M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
													Qty.	Size	M _a (ft-lbs)
C123E-075	3/4	0.750	1.850	0.669	0.886	1.122	1.358	196	6,265	33,106	13,418	2.517	5	M6 x 20	10
C123E-087	7/8	0.875	1.850	0.669	0.886	1.122	1.358	228	6,265	28,376	13,418	2.517	5	M6 x 20	10
C123E-100	1	1.000	1.969	0.669	0.886	1.122	1.358	313	7,518	29,795	15,136	2.793	6	M6 x 20	10
C123E-112	1 1/8	1.125	2.165	0.669	0.886	1.122	1.358	352	7,518	26,485	13,760	2.970	6	M6 x 20	10
C123E-118	1 3/16	1.188	2.165	0.669	0.886	1.122	1.358	372	7,518	25,091	13,760	2.970	6	M6 x 20	10
C123E-125	1 1/4	1.250	2.362	0.669	0.886	1.122	1.358	522	10,024	31,781	16,818	3.499	8	M6 x 20	10
C123E-137	1 3/8	1.375	2.362	0.669	0.886	1.122	1.358	574	10,024	28,892	16,818	3.499	8	M6 x 20	10
C123E-143	1 7/16	1.438	2.559	0.669	0.886	1.122	1.358	600	10,024	27,636	15,524	3.667	8	M6 x 20	10
C123E-150	1 1/2	1.500	2.559	0.669	0.886	1.122	1.358	626	10,024	26,485	15,524	3.667	8	M6 x 20	10
C123E-162	1 5/8	1.625	2.953	0.787	1.043	1.358	1.673	1,097	16,206	33,596	18,489	4.569	7	M8 x 25	26
C123E-168	1 11/16	1.688	2.953	0.787	1.043	1.358	1.673	1,139	16,206	32,351	18,489	4.569	7	M8 x 25	26
C123E-175	1 3/4	1.750	2.953	0.787	1.043	1.358	1.673	1,182	16,206	31,196	18,489	4.569	7	M8 x 25	26
C123E-187	1 7/8	1.875	3.150	0.787	1.043	1.358	1.673	1,266	16,206	29,116	17,333	4.728	7	M8 x 25	26
C123E-193	1 15/16	1.938	3.150	0.787	1.043	1.358	1.673	1,308	16,206	28,177	17,333	4.728	7	M8 x 25	26
C123E-200	2	2.000	3.150	0.787	1.043	1.358	1.673	1,350	16,206	27,297	17,333	4.728	7	M8 x 25	26
C123E-212	2 1/8	2.125	3.346	0.787	1.043	1.358	1.673	1,640	18,521	29,361	18,644	5.200	8	M8 x 25	26
C123E-218	2 3/16	2.188	3.346	0.787	1.043	1.358	1.673	1,688	18,521	28,522	18,644	5.200	8	M8 x 25	26
C123E-225	2 1/4	2.250	3.543	0.787	1.043	1.358	1.673	1,736	18,521	27,730	17,608	5.357	8	M8 x 25	26
C123E-237	2 3/8	2.375	3.543	0.787	1.043	1.358	1.673	1,833	18,521	26,270	17,608	5.357	8	M8 x 25	26
C123E-243	2 7/16	2.438	3.740	0.787	1.043	1.358	1.673	2,116	20,836	28,796	18,767	5.831	9	M8 x 25	26
C123E-250	2 1/2	2.500	3.740	0.787	1.043	1.358	1.673	2,170	20,836	28,076	18,767	5.831	9	M8 x 25	26
C123E-256	2 9/16	2.563	3.740	0.787	1.043	1.358	1.673	2,225	20,836	27,392	18,767	5.831	9	M8 x 25	26
C123E-268	2 11/16	2.688	4.331	0.945	1.201	1.594	1.988	3,405	30,403	31,759	19,708	6.927	8	M10 x 30	51
C123E-275	2 3/4	2.750	4.331	0.945	1.201	1.594	1.988	3,484	30,403	31,037	19,708	6.927	8	M10 x 30	51
C123E-287	2 7/8	2.875	4.528	0.945	1.201	1.594	1.988	3,642	30,403	29,687	18,852	7.075	8	M10 x 30	51
C123E-293	2 15/16	2.938	4.528	0.945	1.201	1.594	1.988	3,721	30,403	29,056	18,852	7.075	8	M10 x 30	51
C123E-300	3	3.000	4.724	0.945	1.201	1.594	1.988	3,800	30,403	28,450	18,066	7.229	8	M10 x 30	51
C123E-325	3 1/4	3.250	4.921	0.945	1.201	1.594	1.988	4,632	34,204	29,545	19,511	7.829	9	M10 x 30	51
C123E-337	3 3/8	3.375	4.921	0.945	1.201	1.594	1.988	4,810	34,204	28,450	19,511	7.829	9	M10 x 30	51
C123E-343	3 7/16	3.438	5.118	0.945	1.201	1.594	1.988	4,899	34,204	27,933	18,761	7.978	9	M10 x 30	51
C123E-350	3 1/2	3.500	5.118	0.945	1.201	1.594	1.988	4,988	34,204	27,434	18,761	7.978	9	M10 x 30	51
C123E-375	3 3/4	3.750	5.315	0.945	1.201	1.594	1.988	5,938	38,004	28,450	20,073	8.588	10	M10 x 30	51
C123E-393	3 15/16	3.938	5.709	1.024	1.299	1.772	2.244	7,449	45,406	29,883	20,611	9.363	8	M12 x 35	89
C123E-400	4	4.000	5.709	1.024	1.299	1.772	2.244	7,568	45,406	29,416	20,611	9.363	8	M12 x 35	89
C123E-443	4 7/16	4.438	6.102	1.024	1.299	1.772	2.244	8,395	45,406	26,516	19,281	9.648	8	M12 x 35	89
C123E-475	4 3/4	4.750	6.496	1.024	1.299	1.772	2.244	10,110	51,081	27,867	20,377	10.585	9	M12 x 35	89
C123E-493	4 15/16	4.938	7.087	1.339	1.614	2.165	2.717	14,135	68,706	27,575	19,212	11.183	9	M14 x 40	140
C123E-500	5	5.000	7.087	1.339	1.614	2.165	2.717	14,314	68,706	27,230	19,212	11.183	9	M14 x 40	140
C123E-543	5 7/16	5.438	7.480	1.339	1.614	2.165	2.717	15,566	68,706	25,039	18,201	11.487	9	M14 x 40	140
C123E-593	5 15/16	5.938	7.874	1.339	1.614	2.165	2.717	18,886	76,340	25,478	19,212	12.425	10	M14 x 40	140
C123E-643	6 7/16	6.438	8.858	1.732	2.008	2.559	3.110	24,572	91,608	21,790	15,836	12.794	12	M14 x 40	140
C123E-693	6 15/16	6.938	9.252	1.732	2.008	2.559	3.110	26,480	91,608	20,220	15,162	13.137	12	M14 x 40	140
C123E-700	7	7.000	9.252	1.732	2.008	2.559	3.110	26,719	91,608	20,039	15,162	13.137	12	M14 x 40	140
C123E-743	7 7/16	7.438	9.843	1.732	2.008	2.559	3.110	35,486	114,510	23,576	17,815	14.961	15	M14 x 40	140
C123E-793	7 15/16	7.938	10.236	1.732	2.008	2.559	3.110	37,872	114,510	22,091	17,130	15.283	15	M14 x 40	140
C123E-800	8	8.000	10.236	1.732	2.008	2.559	3.110	38,170	114,510	21,918	17,130	15.283	15	M14 x 40	140

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point $\geq$ 45,000 psi. For details refer to page 8.



SERIES C123 LOCKING ASSEMBLY

CLIMAX Series C123 is shown in a typical application under a straight-sided spur gear. Note that the gear will move axially – left to right in this illustration – during installation.



Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	L	L ₁	L ₂	L ₃	M _t (ft.-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
													Qty.	Size	M _a (ft.-lbs)
C123M-14X32	14	0.551	1.260	0.551	0.709	0.846	1.004	50	2,191	19,127	8,368	1.521	4	M4 x 12	3
C123M-15X32	15	0.591	1.260	0.551	0.709	0.846	1.004	54	2,191	17,852	8,368	1.521	4	M4 x 12	3
C123M-16X32	16	0.630	1.260	0.551	0.709	0.846	1.004	57	2,191	16,736	8,368	1.521	4	M4 x 12	3
C123M-18X47	18	0.709	1.850	0.669	0.886	1.122	1.358	185	6,265	35,037	13,418	2.517	5	M6 x 20	10
C123M-19X47	19	0.748	1.850	0.669	0.886	1.122	1.358	195	6,265	33,193	13,418	2.517	5	M6 x 20	10
C123M-20X47	20	0.787	1.850	0.669	0.886	1.122	1.358	206	6,265	31,533	13,418	2.517	5	M6 x 20	10
C123M-22X47	22	0.866	1.850	0.669	0.886	1.122	1.358	226	6,265	28,667	13,418	2.517	5	M6 x 20	10
C123M-24X50	24	0.945	1.969	0.669	0.886	1.122	1.358	296	7,518	31,533	15,136	2.793	6	M6 x 20	10
C123M-25X50	25	0.984	1.969	0.669	0.886	1.122	1.358	308	7,518	30,272	15,136	2.793	6	M6 x 20	10
C123M-28X55	28	1.102	2.165	0.669	0.886	1.122	1.358	345	7,518	27,028	13,760	2.970	6	M6 x 20	10
C123M-30X55	30	1.181	2.165	0.669	0.886	1.122	1.358	370	7,518	25,227	13,760	2.970	6	M6 x 20	10
C123M-32X60	32	1.260	2.362	0.669	0.886	1.122	1.358	526	10,024	31,533	16,818	3.499	8	M6 x 20	10
C123M-35X60	35	1.378	2.362	0.669	0.886	1.122	1.358	576	10,024	28,830	16,818	3.499	8	M6 x 20	10
C123M-38X65	38	1.496	2.559	0.669	0.886	1.122	1.358	625	10,024	26,554	15,524	3.667	8	M6 x 20	10
C123M-40X65	40	1.575	2.559	0.669	0.886	1.122	1.358	658	10,024	25,227	15,524	3.667	8	M6 x 20	10
C123M-42X75	42	1.654	2.953	0.787	1.043	1.358	1.673	1,117	16,206	33,016	18,489	4.569	7	M8 x 25	26
C123M-45X75	45	1.772	2.953	0.787	1.043	1.358	1.673	1,196	16,206	30,815	18,489	4.569	7	M8 x 25	26
C123M-48X80	48	1.890	3.150	0.787	1.043	1.358	1.673	1,276	16,206	28,889	17,333	4.728	7	M8 x 25	26
C123M-50X80	50	1.969	3.150	0.787	1.043	1.358	1.673	1,329	16,206	27,733	17,333	4.728	7	M8 x 25	26
C123M-55X85	55	2.165	3.346	0.787	1.043	1.358	1.673	1,671	18,521	28,814	18,644	5.200	8	M8 x 25	26
C123M-60X90	60	2.362	3.543	0.787	1.043	1.358	1.673	1,823	18,521	26,413	17,608	5.357	8	M8 x 25	26
C123M-65X95	65	2.559	3.740	0.787	1.043	1.358	1.673	2,222	20,836	27,429	18,767	5.831	9	M8 x 25	26
C123M-70X110	70	2.756	4.331	0.945	1.201	1.594	1.988	3,491	30,403	30,970	19,708	6.927	8	M10 x 30	51
C123M-75X115	75	2.953	4.528	0.945	1.201	1.594	1.988	3,741	30,403	28,906	18,852	7.075	8	M10 x 30	51
C123M-80X120	80	3.150	4.724	0.945	1.201	1.594	1.988	3,990	30,403	27,099	18,066	7.229	8	M10 x 30	51
C123M-85X125	85	3.346	4.921	0.945	1.201	1.594	1.988	4,769	34,204	28,693	19,511	7.829	9	M10 x 30	51
C123M-90X130	90	3.543	5.118	0.945	1.201	1.594	1.988	5,050	34,204	27,099	18,761	7.978	9	M10 x 30	51
C123M-95X135	95	3.740	5.315	0.945	1.201	1.594	1.988	5,923	38,004	28,525	20,073	8.588	10	M10 x 30	51
C123M-100X145	100	3.937	5.709	1.024	1.299	1.772	2.244	7,448	45,406	29,886	20,611	9.363	8	M12 x 35	89
C123M-110X155	110	4.331	6.102	1.024	1.299	1.772	2.244	8,193	45,406	27,169	19,281	9.648	8	M12 x 35	89
C123M-120X165	120	4.724	6.496	1.024	1.299	1.772	2.244	10,055	51,081	28,018	20,377	10.585	9	M12 x 35	89
C123M-130X180	130	5.118	7.087	1.339	1.614	2.165	2.717	14,652	68,706	26,602	19,212	11.183	9	M14 x 40	140
C123M-140X190	140	5.512	7.480	1.339	1.614	2.165	2.717	15,779	68,706	24,701	18,201	11.487	9	M14 x 40	140
C123M-150X200	150	5.906	7.874	1.339	1.614	2.165	2.717	18,784	76,340	25,616	19,212	12.425	10	M14 x 40	140
C123M-160X210	160	6.299	8.268	1.339	1.614	2.165	2.717	22,040	83,974	26,417	20,127	13.378	11	M14 x 40	140
C123M-170X225	170	6.693	8.858	1.732	2.008	2.559	3.110	25,547	91,608	20,959	15,836	12.794	12	M14 x 40	140
C123M-180X235	180	7.087	9.252	1.732	2.008	2.559	3.110	27,050	91,608	19,794	15,162	13.137	12	M14 x 40	140
C123M-190X250	190	7.480	9.843	1.732	2.008	2.559	3.110	35,690	114,510	23,441	17,815	14.961	15	M14 x 40	140
C123M-200X260	200	7.874	10.236	1.732	2.008	2.559	3.110	37,569	114,510	22,269	17,130	15.283	15	M14 x 40	140
C123M-220X285	220	8.661	11.220	1.969	2.244	2.874	3.504	45,638	126,459	19,674	15,187	15.943	12	M16 x 45	218
C123M-240X305	240	9.449	12.008	1.969	2.244	2.874	3.504	62,234	158,073	22,543	17,739	18.216	15	M16 x 45	218
C123M-260X325	260	10.236	12.795	1.969	2.244	2.874	3.504	80,904	189,688	24,971	19,977	20.618	18	M16 x 45	218
C123M-280X355	280	11.024	13.976	2.362	2.638	3.346	4.055	92,692	201,803	20,557	16,214	20.381	16	M18 x 50	299
C123M-300X375	300	11.811	14.764	2.362	2.638	3.346	4.055	111,726	227,028	21,585	17,268	22.123	18	M18 x 50	299

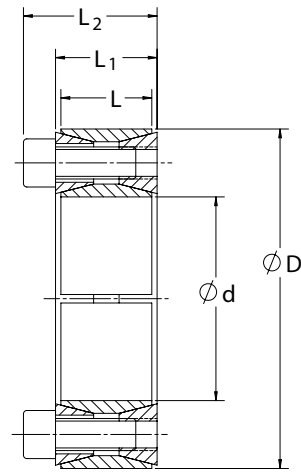
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C200 LOCKING ASSEMBLY

- Original double taper, self-releasing design
- First-generation device; not self-centering
- No axial movement of mounted component during installation

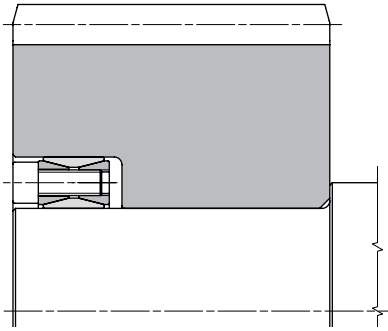


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	L	L ₁	L ₂	M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Qty.	Size	M _a (ft-lbs)	dB
C200E-075	3/4	0.750	1.850	0.669	0.787	1.024	223	7,135	37,704	15,282	2.635	8	M6 x 18	10	M8
C200E-087	7/8	0.875	1.850	0.669	0.787	1.024	260	7,135	32,318	15,282	2.635	8	M6 x 18	10	M8
C200E-100	1	1.000	1.969	0.669	0.787	1.024	334	8,027	31,813	16,161	2.867	9	M6 x 18	10	M8
C200E-112	1 1/8	1.125	2.165	0.669	0.787	1.024	418	8,919	31,420	16,324	3.167	10	M6 x 18	10	M8
C200E-118	1 3/16	1.188	2.159	0.669	0.787	1.024	441	8,919	29,766	16,372	3.161	10	M6 x 18	10	M8
C200E-125	1 1/4	1.250	2.362	0.669	0.787	1.024	557	10,703	33,934	17,957	3.604	12	M6 x 18	10	M8
C200E-137	1 3/8	1.375	2.365	0.669	0.787	1.024	613	10,703	30,849	17,936	3.606	12	M6 x 18	10	M8
C200E-143	1 7/16	1.438	2.559	0.669	0.787	1.024	748	12,486	34,425	19,338	4.052	14	M6 x 18	10	M8
C200E-150	1 1/2	1.500	2.559	0.669	0.787	1.024	780	12,486	32,991	19,338	4.052	14	M6 x 18	10	M8
C200E-162	1 5/8	1.625	2.953	0.787	0.945	1.260	1,334	19,706	40,853	22,483	5.112	12	M8 x 22	26	M10
C200E-168	1 11/16	1.688	2.953	0.787	0.945	1.260	1,386	19,706	39,340	22,483	5.112	12	M8 x 22	26	M10
C200E-175	1 3/4	1.750	2.953	0.787	0.945	1.260	1,437	19,706	37,935	22,483	5.112	12	M8 x 22	26	M10
C200E-187	1 7/8	1.875	3.150	0.787	0.945	1.260	1,540	19,706	35,406	21,078	5.235	12	M8 x 22	26	M10
C200E-193	1 15/16	1.938	3.150	0.787	0.945	1.260	1,591	19,706	34,264	21,078	5.235	12	M8 x 22	26	M10
C200E-200	2	2.000	3.346	0.787	0.945	1.260	1,916	22,991	38,725	23,144	5.909	14	M8 x 22	26	M10
C200E-212	2 1/8	2.125	3.346	0.787	0.945	1.260	2,036	22,991	36,447	23,144	5.909	14	M8 x 22	26	M10
C200E-218	2 3/16	2.188	3.543	0.787	0.945	1.260	2,095	22,991	35,406	21,858	6.023	14	M8 x 22	26	M10
C200E-225	2 1/4	2.250	3.543	0.787	0.945	1.260	2,155	22,991	34,422	21,858	6.023	14	M8 x 22	26	M10
C200E-237	2 3/8	2.375	3.531	0.787	0.945	1.260	2,275	22,991	32,611	21,934	6.015	14	M8 x 22	26	M10
C200E-243	2 7/16	2.438	3.740	0.787	0.945	1.260	2,669	26,275	36,314	23,666	6.710	16	M8 x 22	26	M10
C200E-250	2 1/2	2.500	3.740	0.787	0.945	1.260	2,737	26,275	35,406	23,666	6.710	16	M8 x 22	26	M10
C200E-256	2 9/16	2.563	3.737	0.787	0.945	1.260	2,805	26,275	34,542	23,686	6.708	16	M8 x 22	26	M10
C200E-262	2 5/8	2.625	4.331	0.945	1.102	1.496	4,000	36,569	39,109	23,705	7.779	14	M10 x 25	51	M12
C200E-268	2 11/16	2.688	4.331	0.945	1.102	1.496	4,095	36,569	38,199	23,705	7.779	14	M10 x 25	51	M12
C200E-275	2 3/4	2.750	4.337	0.945	1.102	1.496	4,190	36,569	37,331	23,671	7.782	14	M10 x 25	51	M12
C200E-287	2 7/8	2.875	4.528	0.945	1.102	1.496	4,381	36,569	35,708	22,675	7.883	14	M10 x 25	51	M12
C200E-293	2 15/16	2.938	4.528	0.945	1.102	1.496	4,476	36,569	34,948	22,675	7.883	14	M10 x 25	51	M12
C200E-300	3	3.000	4.724	0.945	1.102	1.496	4,571	36,569	34,220	21,730	8.000	14	M10 x 25	51	M12
C200E-312	3 1/8	3.125	4.724	0.945	1.102	1.496	4,762	36,569	32,852	21,730	8.000	14	M10 x 25	51	M12
C200E-325	3 1/4	3.250	4.921	0.945	1.102	1.496	5,660	41,793	36,101	23,841	8.877	16	M10 x 25	51	M12
C200E-337	3 3/8	3.375	4.921	0.945	1.102	1.496	5,877	41,793	34,764	23,841	8.877	16	M10 x 25	51	M12
C200E-343	3 7/16	3.438	5.118	0.945	1.102	1.496	5,986	41,793	34,131	22,924	8.978	16	M10 x 25	51	M12
C200E-350	3 1/2	3.500	5.118	0.945	1.102	1.496	6,095	41,793	33,522	22,924	8.978	16	M10 x 25	51	M12
C200E-375	3 3/4	3.750	5.305	0.945	1.102	1.496	7,346	47,017	35,198	24,880	9.887	18	M10 x 25	51	M12
C200E-387	3 7/8	3.875	5.709	1.024	1.299	1.772	8,640	53,513	35,786	24,291	10.442	14	M12 x 30	89	M14
C200E-393	3 15/16	3.938	5.709	1.024	1.299	1.772	8,779	53,513	35,218	24,291	10.442	14	M12 x 30	89	M14
C200E-400	4	4.000	5.843	1.024	1.299	1.772	8,919	53,513	34,668	23,733	10.504	14	M12 x 30	89	M14
C200E-418	4 3/16	4.188	6.102	1.024	1.299	1.772	9,337	53,513	33,115	22,724	10.640	14	M12 x 30	89	M14
C200E-443	4 7/16	4.438	6.496	1.024	1.299	1.772	11,308	61,157	35,714	24,396	11.922	16	M12 x 30	89	M14
C200E-450	4 1/2	4.500	6.496	1.024	1.299	1.772	11,467	61,157	35,218	24,396	11.922	16	M12 x 30	89	M14
C200E-493	4 15/16	4.938	7.087	1.339	1.496	1.969	15,727	76,446	30,681	21,377	11.879	20	M12 x 35	89	M14
C200E-500	5	5.000	7.087	1.339	1.496	1.969	15,926	76,446	30,298	21,377	11.879	20	M12 x 35	89	M14
C200E-543	5 7/16	5.438	7.480	1.339	1.496	1.969	19,052	84,091	30,646	22,277	12.871	22	M12 x 35	89	M14
C200E-550	5 1/2	5.500	7.492	1.339	1.496	1.969	19,271	84,091	30,298	22,242	12.878	22	M12 x 35	89	M14
C200E-600	6	6.000	8.268	1.339	1.496	1.969	24,845	99,380	32,823	23,820	14.903	26	M12 x 35	89	M14
C200E-643	6 7/16	6.438	8.858	1.496	1.732	2.283	30,910	115,236	31,739	23,065	15.604	22	M14 x 40	140	M16
C200E-650	6 1/2	6.500	8.858	1.496	1.732	2.283	31,210	115,236	31,434	23,065	15.604	22	M14 x 40	140	M16
C200E-693	6 15/16	6.938	9.252	1.496	1.732	2.283	36,339	125,712	32,129	24,091	16.818	24	M14 x 40	140	M16
C200E-700	7	7.000	9.252	1.496	1.732	2.283	36,666	125,712	31,842	24,091	16.818	24	M14 x 40	140	M16
C200E-750	7 1/2	7.500	9.823	1.811	2.047	2.598	45,833	146,664	28,642	21,869	16.701	28	M14 x 45	140	M16
C200E-787	7 7/8	7.875	10.236	1.811	2.047	2.598	51,562	157,140	29,227	22,485	17.722	30	M14 x 45	140	M16
C200E-793	7 15/16	7.938	10.504	1.811	2.047	2.598	51,971	157,140	28,997	21,912	17.882	30	M14 x 45	140	M16
C200E-800	8	8.000	10.504	1.811	2.047	2.598	52,380	157,140	28,770	21,912	17.882	30	M14 x 45	140	M16

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C200 LOCKING ASSEMBLY

CLIMAX Series C200 in a machined counterbore transmits torque in a spur gear. Use of Keyless Locking Devices in lieu of long press fits facilitates installation and removal with simple hand tools, both in a production environment and in the field.



Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	L	L ₁	L ₂	M _t (ft.-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws			
												Qty.	Size	M _a (ft.-lbs)	dB
C200M-18X47	18	0.709	1.850	0.669	0.787	1.024	211	7,135	39,903	15,282	2.635	8	M6 x 18	10	M8
C200M-19X47	19	0.748	1.850	0.669	0.787	1.024	222	7,135	37,803	15,282	2.635	8	M6 x 18	10	M8
C200M-20X47	20	0.787	1.850	0.669	0.787	1.024	234	7,135	35,913	15,282	2.635	8	M6 x 18	10	M8
C200M-22X47	22	0.866	1.850	0.669	0.787	1.024	257	7,135	32,648	15,282	2.635	8	M6 x 18	10	M8
C200M-24X50	24	0.945	1.969	0.669	0.787	1.024	316	8,027	33,668	16,161	2.867	9	M6 x 18	10	M8
C200M-25X50	25	0.984	1.969	0.669	0.787	1.024	329	8,027	32,322	16,161	2.867	9	M6 x 18	10	M8
C200M-28X55	28	1.102	2.165	0.669	0.787	1.024	410	8,919	32,065	16,324	3.167	10	M6 x 18	10	M8
C200M-30X55	30	1.181	2.165	0.669	0.787	1.024	439	8,919	29,928	16,324	3.167	10	M6 x 18	10	M8
C200M-32X60	32	1.260	2.362	0.669	0.787	1.024	562	10,703	33,668	17,957	3.604	12	M6 x 18	10	M8
C200M-35X60	35	1.378	2.362	0.669	0.787	1.024	614	10,703	30,783	17,957	3.604	12	M6 x 18	10	M8
C200M-38X65	38	1.496	2.559	0.669	0.787	1.024	778	12,486	33,078	19,338	4.052	14	M6 x 18	10	M8
C200M-40X65	40	1.575	2.559	0.669	0.787	1.024	819	12,486	31,424	19,338	4.052	14	M6 x 18	10	M8
C200M-42X75	42	1.654	2.953	0.787	0.945	1.260	1,358	19,706	40,148	22,483	5.112	12	M8 x 22	26	M10
C200M-45X75	45	1.772	2.953	0.787	0.945	1.260	1,455	19,706	37,471	22,483	5.112	12	M8 x 22	26	M10
C200M-48X80	48	1.890	3.150	0.787	0.945	1.260	1,552	19,706	35,129	21,078	5.235	12	M8 x 22	26	M10
C200M-50X80	50	1.969	3.150	0.787	0.945	1.260	1,616	19,706	33,724	21,078	5.235	12	M8 x 22	26	M10
C200M-55X85	55	2.165	3.346	0.787	0.945	1.260	2,074	22,991	35,768	23,144	5.909	14	M8 x 22	26	M10
C200M-60X90	60	2.362	3.543	0.787	0.945	1.260	2,263	22,991	32,787	21,858	6.023	14	M8 x 22	26	M10
C200M-65X95	65	2.559	3.740	0.787	0.945	1.260	2,802	26,275	34,589	23,666	6.710	16	M8 x 22	26	M10
C200M-70X110	70	2.756	4.331	0.945	1.102	1.496	4,199	36,569	37,251	23,705	7.779	14	M10 x 25	51	M12
C200M-75X115	75	2.953	4.528	0.945	1.102	1.496	4,499	36,569	34,768	22,675	7.883	14	M10 x 25	51	M12
C200M-80X120	80	3.150	4.724	0.945	1.102	1.496	4,799	36,569	32,595	21,730	8.000	14	M10 x 25	51	M12
C200M-85X125	85	3.346	4.921	0.945	1.102	1.496	5,827	41,793	35,060	23,841	8.877	16	M10 x 25	51	M12
C200M-90X130	90	3.543	5.118	0.945	1.102	1.496	6,170	41,793	33,112	22,924	8.978	16	M10 x 25	51	M12
C200M-95X135	95	3.740	5.315	0.945	1.102	1.496	7,327	47,017	35,291	24,834	9.891	18	M10 x 25	51	M12
C200M-100X145	100	3.937	5.709	1.024	1.299	1.772	8,778	53,513	35,222	24,291	10.442	14	M12 x 30	89	M14
C200M-110X155	110	4.331	6.102	1.024	1.299	1.772	9,656	53,513	32,020	22,724	10.640	14	M12 x 30	89	M14
C200M-120X165	120	4.724	6.496	1.024	1.299	1.772	12,039	61,157	33,545	24,396	11.922	16	M12 x 30	89	M14
C200M-130X180	130	5.118	7.087	1.339	1.496	1.969	16,303	76,446	29,599	21,377	11.879	20	M12 x 35	89	M14
C200M-140X190	140	5.512	7.480	1.339	1.496	1.969	19,312	84,091	30,233	22,277	12.871	22	M12 x 35	89	M14
C200M-150X200	150	5.906	7.874	1.339	1.496	1.969	22,573	91,736	30,783	23,087	13.880	24	M12 x 35	89	M14
C200M-160X210	160	6.299	8.268	1.339	1.496	1.969	26,084	99,380	31,264	23,820	14.903	26	M12 x 35	89	M14
C200M-170X225	170	6.693	8.858	1.496	1.732	2.283	32,136	115,236	30,528	23,065	15.604	22	M14 x 40	140	M16
C200M-180X235	180	7.087	9.252	1.496	1.732	2.283	37,120	125,712	31,453	24,091	16.818	24	M14 x 40	140	M16
C200M-190X250	190	7.480	9.843	1.811	2.047	2.598	45,712	146,664	28,718	21,825	16.714	28	M14 x 45	140	M16
C200M-200X260	200	7.874	10.236	1.811	2.047	2.598	51,555	157,140	29,230	22,485	17.722	30	M14 x 45	140	M16
C200M-220X285	220	8.661	11.220	1.969	2.205	2.835	67,746	187,719	29,205	22,544	19.460	26	M16 x 50	218	M20
C200M-240X305	240	9.449	12.008	1.969	2.205	2.835	85,275	216,598	30,889	24,306	21.975	30	M16 x 50	218	M20
C200M-260X325	260	10.236	12.795	1.969	2.205	2.835	104,699	245,478	32,315	25,852	24.613	34	M16 x 50	218	M20
C200M-280X355	280	11.024	13.976	2.362	2.598	3.307	129,009	280,870	28,611	22,566	24.256	32	M18 x 60	299	M22
C200M-300X375	300	11.811	14.764	2.362	2.598	3.307	155,501	315,979	30,042	24,033	26.789	36	M18 x 60	299	M22
C200M-320X405	320	12.598	15.945	2.835	3.071	3.858	214,023	407,715	30,284	23,928	28.838	36	M20 x 70	428	M24
C200M-340X425	340	13.386	16.732	2.835	3.071	3.858	227,400	407,715	28,502	22,802	29.243	36	M20 x 70	428	M24
C200M-360X455	360	14.173	17.913	3.307	3.543	4.409	299,466	507,095	28,697	22,706	31.217	36	M22 x 80	575	M27
C200M-380X475	380	14.961	18.701	3.307	3.543	4.409	316,103	507,095	27,187	21,750	31.686	36	M22 x 80	575	M27
C200M-400X495	400	15.748	19.488	3.307	3.543	4.409	332,740	507,095	25,828	20,871	32.199	36	M22 x 80	575	M27

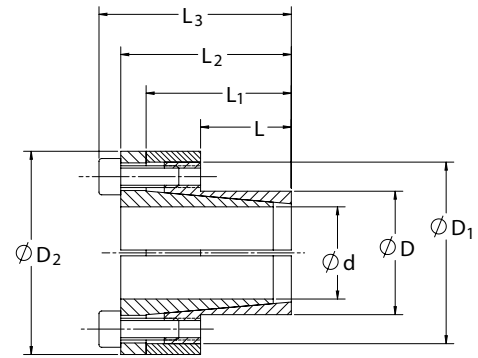
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C170 LOCKING ASSEMBLY

- Single taper design with flange and integrated spacer
- Excellent concentricity
- Thin cross section accommodates smaller diameter mounted component

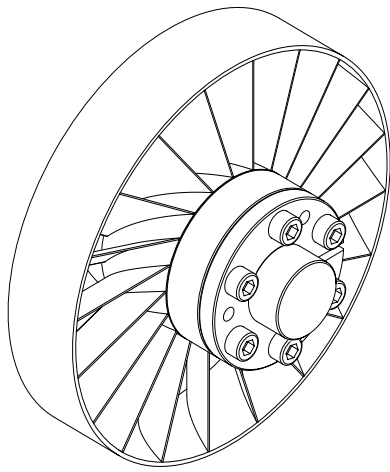


Inch

CLIMAX Part No.	Shaft Size (in)									M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
		d	D	D ₁	D ₂	L	L ₁	L ₂	L ₃						Qty.	Size	M _a (ft-lbs)
C170E-025	1/4	0.250	0.551	0.906	0.984	0.394	0.748	0.866	1.024	17	1,643	44,278	20,083	0.891	3	M4 x 10	3.7
C170E-031	5/16	0.313	0.591	0.945	1.063	0.472	0.866	0.984	1.142	21	1,643	29,519	15,620	0.848	3	M4 x 10	3.7
C170E-037	3/8	0.375	0.630	1.024	1.142	0.551	0.945	1.063	1.220	34	2,191	28,113	16,736	0.931	4	M4 x 10	3.7
C170E-043	7/16	0.438	0.709	1.102	1.260	0.551	0.945	1.083	1.240	40	2,191	24,097	14,877	0.999	4	M4 x 10	3.7
C170E-050	1/2	0.500	0.906	1.299	1.496	0.551	0.945	1.083	1.240	46	2,191	21,085	11,643	1.180	4	M4 x 10	3.7
C170E-062	5/8	0.625	0.945	1.575	1.732	0.630	1.161	1.437	1.673	98	3,759	25,326	16,752	1.397	3	M6 x 16	13
C170E-075	3/4	0.750	1.063	1.693	1.929	0.709	1.280	1.555	1.791	157	5,012	25,013	17,648	1.609	4	M6 x 16	13
C170E-087	7/8	0.875	1.260	1.890	2.126	0.984	1.575	1.850	2.087	183	5,012	15,437	10,721	1.606	4	M6 x 16	13
C170E-093	15/16	0.938	1.339	1.969	2.205	0.984	1.575	1.850	2.087	294	7,518	21,611	15,136	1.899	6	M6 x 16	13
C170E-100	1	1.000	1.339	1.969	2.205	0.984	1.575	1.850	2.087	313	7,518	20,261	15,136	1.899	6	M6 x 16	13
C170E-112	1 1/8	1.125	1.535	2.165	2.402	0.984	1.575	1.850	2.087	352	7,518	18,009	13,195	2.077	6	M6 x 16	13
C170E-118	1 3/16	1.188	1.614	2.244	2.441	0.984	1.575	1.850	2.087	372	7,518	17,062	12,552	2.150	6	M6 x 16	13
C170E-125	1 1/4	1.250	1.693	2.323	2.559	0.984	1.575	1.850	2.087	522	10,024	21,611	15,957	2.453	8	M6 x 16	13
C170E-137	1 3/8	1.375	1.850	2.441	2.677	1.260	1.850	2.126	2.362	574	10,024	15,349	11,406	2.398	8	M6 x 18	13
C170E-143	1 7/16	1.438	1.969	2.598	2.835	1.260	1.850	2.126	2.362	600	10,024	14,682	10,721	2.510	8	M6 x 18	13
C170E-150	1 1/2	1.500	1.969	2.598	2.835	1.260	1.850	2.126	2.362	626	10,024	14,070	10,721	2.510	8	M6 x 18	13
C170E-162	1 5/8	1.625	2.165	2.795	3.071	1.260	1.850	2.126	2.362	679	10,024	12,988	9,747	2.698	8	M6 x 18	13
C170E-168	1 11/16	1.688	2.323	3.150	3.386	1.772	2.441	2.756	3.071	1,302	18,521	16,433	11,938	3.048	8	M8 x 22	30
C170E-175	1 3/4	1.750	2.323	3.150	3.386	1.772	2.441	2.756	3.071	1,350	18,521	15,846	11,938	3.048	8	M8 x 22	30
C170E-187	1 7/8	1.875	2.441	3.189	3.425	1.772	2.441	2.756	3.071	1,447	18,521	14,789	11,360	3.160	8	M8 x 22	30
C170E-193	1 15/16	1.938	2.559	3.386	3.622	1.772	2.441	2.756	3.071	1,495	18,521	14,312	10,836	3.272	8	M8 x 22	30
C170E-200	2	2.000	2.795	3.622	3.858	2.165	2.874	3.189	3.504	1,736	20,836	12,762	9,131	3.434	9	M8 x 22	30
C170E-212	2 1/8	2.125	2.795	3.622	3.858	2.165	2.874	3.189	3.504	1,845	20,836	12,011	9,131	3.434	9	M8 x 22	30
C170E-218	2 3/16	2.188	3.031	3.858	4.094	2.165	2.874	3.189	3.504	1,899	20,836	11,668	8,420	3.663	9	M8 x 22	30
C170E-237	2 3/8	2.375	3.031	3.858	4.094	2.165	2.874	3.189	3.504	2,062	20,836	10,747	8,420	3.663	9	M8 x 22	30
C170E-243	2 7/16	2.438	3.307	4.134	4.370	2.165	2.874	3.189	3.504	2,116	20,836	10,471	7,718	3.933	9	M8 x 22	30
C170E-250	2 1/2	2.500	3.307	4.134	4.370	2.165	2.874	3.189	3.504	2,170	20,836	10,210	7,718	3.933	9	M8 x 22	30
C170E-262	2 5/8	2.625	3.543	4.449	4.685	2.559	3.386	3.780	4.173	3,741	34,204	13,506	10,006	4.442	9	M10 x 25	61
C170E-275	2 3/4	2.750	3.543	4.449	4.685	2.559	3.386	3.780	4.173	3,919	34,204	12,892	10,006	4.442	9	M10 x 25	61
C170E-287	2 7/8	2.875	3.740	4.685	4.961	2.559	3.386	3.780	4.173	4,097	34,204	12,332	9,479	4.632	9	M10 x 25	61
C170E-293	2 15/16	2.938	3.740	4.685	4.961	2.559	3.386	3.780	4.173	4,186	34,204	12,069	9,479	4.632	9	M10 x 25	61
C170E-300	3	3.000	3.740	4.685	4.961	2.559	3.386	3.780	4.173	4,275	34,204	11,818	9,479	4.632	9	M10 x 25	61
C170E-312	3 1/8	3.125	3.937	4.921	5.157	2.559	3.386	3.780	4.173	5,938	45,605	15,127	12,007	5.175	12	M10 x 25	61
C170E-325	3 1/4	3.250	4.173	5.157	5.394	2.559	3.386	3.780	4.173	6,176	45,605	14,545	11,327	5.398	12	M10 x 25	61
C170E-337	3 3/8	3.375	4.173	5.157	5.394	2.559	3.386	3.780	4.173	6,413	45,605	14,006	11,327	5.398	12	M10 x 25	61
C170E-343	3 7/16	3.438	4.409	5.394	5.669	2.559	3.386	3.780	4.173	6,532	45,605	13,752	10,720	5.622	12	M10 x 25	61
C170E-350	3 1/2	3.500	4.409	5.394	5.669	2.559	3.386	3.780	4.173	6,651	45,605	13,506	10,720	5.622	12	M10 x 25	61
C170E-362	3 5/8	3.625	4.409	5.394	5.669	2.559	3.386	3.780	4.173	6,888	45,605	13,040	10,720	5.622	12	M10 x 25	61
C170E-375	3 3/4	3.750	4.724	5.591	5.866	2.559	3.386	3.780	4.173	8,313	53,206	14,707	11,673	6.161	14	M10 x 25	61
C170E-387	3 7/8	3.875	4.921	6.024	6.299	2.756	3.701	4.213	4.685	10,997	68,108	16,917	13,321	6.677	12	M12 x 30	107
C170E-393	3 15/16	3.938	4.921	6.024	6.299	2.756	3.701	4.213	4.685	11,174	68,108	16,649	13,321	6.677	12	M12 x 30	107
C170E-400	4	4.000	4.921	6.024	6.299	2.756	3.701	4.213	4.685	11,351	68,108	16,389	13,321	6.677	12	M12 x 30	107
C170E-425	4 1/4	4.250	5.512	6.614	6.850	2.756	3.701	4.213	4.685	12,061	68,108	15,425	11,894	7.226	12	M12 x 30	107
C170E-437	4 3/8	4.375	5.512	6.614	6.850	2.756	3.701	4.213	4.685	12,416	68,108	14,984	11,894	7.226	12	M12 x 30	107
C170E-443	4 7/16	4.438	6.102	7.362	7.795	3.543	4.528	5.039	5.512	16,791	90,811	15,320	11,140	7.858	16	M12 x 30	107
C170E-450	4 1/2	4.500	6.102	7.362	7.795	3.543	4.528	5.039	5.512	17,027	90,811	15,107	11,140	7.858	16	M12 x 30	107
C170E-475	4 3/4	4.750	6.102	7.362	7.795	3.543	4.528	5.039	5.512	17,973	90,811	14,312	11,140	7.858	16	M12 x 30	107
C170E-493	4 15/16	4.938	6.496	7.756	8.189	3.543	4.528	5.039	5.512	18,683	90,811	13,769	10,465	8.233	16	M12 x 30	107

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point $\geq$ 45,000 psi. For details refer to page 8.



SERIES C170 LOCKING ASSEMBLY

CLIMAX Series C170 used to mount a high-speed turbine blade. For high-speed applications, elimination of the keyway greatly improves dynamic balance characteristics.



Metric

CLIMAX Part No.	Shaft Size (mm)									M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
		d	D	D ₁	D ₂	L	L ₁	L ₂	L ₃						Qty.	Size	M _a (ft-lbs)
C170M-6X14	6	0.236	0.551	0.906	0.984	0.394	0.748	0.866	1.024	16	1,643	46,861	20,083	0.891	3	M4 x 10	3.7
C170M-7X15	7	0.276	0.591	0.945	1.063	0.472	0.866	0.984	1.142	19	1,643	33,472	15,620	0.848	3	M4 x 10	3.7
C170M-8X15	8	0.315	0.591	0.945	1.063	0.472	0.866	0.984	1.142	22	1,643	29,288	15,620	0.848	3	M4 x 10	3.7
C170M-9X16	9	0.354	0.630	1.024	1.142	0.551	0.945	1.063	1.220	32	2,191	29,753	16,736	0.931	4	M4 x 10	3.7
C170M-10X16	10	0.394	0.630	1.024	1.142	0.551	0.945	1.063	1.220	36	2,191	26,778	16,736	0.931	4	M4 x 10	3.7
C170M-11X18	11	0.433	0.709	1.102	1.260	0.551	0.945	1.083	1.240	40	2,191	24,343	14,877	0.999	4	M4 x 10	3.7
C170M-12X18	12	0.472	0.709	1.102	1.260	0.551	0.945	1.083	1.240	43	2,191	22,315	14,877	0.999	4	M4 x 10	3.7
C170M-13X23	13	0.512	0.906	1.299	1.496	0.551	0.945	1.083	1.240	47	2,191	20,598	11,643	1.180	4	M4 x 10	3.7
C170M-14X23	14	0.551	0.906	1.299	1.496	0.551	0.945	1.083	1.240	50	2,191	19,127	11,643	1.180	4	M4 x 10	3.7
C170M-15X24	15	0.591	0.945	1.575	1.732	0.630	1.161	1.437	1.673	92	3,759	26,803	16,752	1.397	3	M6 x 16	13
C170M-16X24	16	0.630	0.945	1.575	1.732	0.630	1.161	1.437	1.673	99	3,759	25,128	16,752	1.397	3	M6 x 16	13
C170M-17X25	17	0.669	0.984	1.614	1.772	0.709	1.280	1.555	1.791	140	5,012	28,029	19,060	1.547	4	M6 x 16	13
C170M-18X26	18	0.709	1.024	1.654	1.850	0.709	1.280	1.555	1.791	148	5,012	26,472	18,327	1.577	4	M6 x 16	13
C170M-19X27	19	0.748	1.063	1.693	1.929	0.709	1.280	1.555	1.791	156	5,012	25,079	17,648	1.609	4	M6 x 16	13
C170M-20X28	20	0.787	1.102	1.732	1.969	0.709	1.280	1.555	1.791	164	5,012	23,825	17,018	1.641	4	M6 x 16	13
C170M-22X32	22	0.866	1.260	1.890	2.126	0.984	1.575	1.850	2.087	181	5,012	15,595	10,721	1.606	4	M6 x 16	13
C170M-24X34	24	0.945	1.339	1.969	2.205	0.984	1.575	1.850	2.087	296	7,518	21,443	15,136	1.899	6	M6 x 16	13
C170M-25X34	25	0.984	1.339	1.969	2.205	0.984	1.575	1.850	2.087	308	7,518	20,585	15,136	1.899	6	M6 x 16	13
C170M-28X39	28	1.102	1.535	2.165	2.402	0.984	1.575	1.850	2.087	345	7,518	18,379	13,195	2.077	6	M6 x 16	13
C170M-30X41	30	1.181	1.614	2.244	2.441	0.984	1.575	1.850	2.087	370	7,518	17,154	12,552	2.150	6	M6 x 16	13
C170M-32X43	32	1.260	1.693	2.323	2.559	0.984	1.575	1.850	2.087	526	10,024	21,443	15,957	2.453	8	M6 x 16	13
C170M-35X47	35	1.378	1.850	2.441	2.677	1.260	1.850	2.126	2.362	576	10,024	15,316	11,406	2.398	8	M6 x 18	13
C170M-38X50	38	1.496	1.969	2.598	2.835	1.260	1.850	2.126	2.362	625	10,024	14,107	10,721	2.510	8	M6 x 18	13
C170M-40X53	40	1.575	2.087	2.717	2.953	1.260	1.850	2.126	2.362	658	10,024	13,402	10,114	2.623	8	M6 x 18	13
C170M-42X55	42	1.654	2.165	2.795	3.071	1.260	1.850	2.126	2.362	691	10,024	12,763	9,747	2.698	8	M6 x 18	13
C170M-45X59	45	1.772	2.323	3.150	3.386	1.772	2.441	2.756	3.071	1,367	18,521	15,652	11,938	3.048	8	M8 x 22	30
C170M-48X62	48	1.890	2.441	3.189	3.425	1.772	2.441	2.756	3.071	1,458	18,521	14,674	11,360	3.160	8	M8 x 22	30
C170M-50X65	50	1.969	2.559	3.386	3.622	1.772	2.441	2.756	3.071	1,519	18,521	14,087	10,836	3.272	8	M8 x 22	30
C170M-55X71	55	2.165	2.795	3.622	3.858	2.165	2.874	3.189	3.504	1,880	20,836	11,787	9,131	3.434	9	M8 x 22	30
C170M-60X77	60	2.362	3.031	3.858	4.094	2.165	2.874	3.189	3.504	2,051	20,836	10,805	8,420	3.663	9	M8 x 22	30
C170M-65X84	65	2.559	3.307	4.134	4.370	2.165	2.874	3.189	3.504	2,222	20,836	9,974	7,718	3.933	9	M8 x 22	30
C170M-70X90	70	2.756	3.543	4.449	4.685	2.559	3.386	3.780	4.173	3,928	34,204	12,865	10,006	4.442	9	M10 x 25	61
C170M-75X95	75	2.953	3.740	4.685	4.961	2.559	3.386	3.780	4.173	4,208	34,204	12,007	9,479	4.632	9	M10 x 25	61
C170M-80X100	80	3.150	3.937	4.921	5.157	2.559	3.386	3.780	4.173	5,985	45,605	15,009	12,007	5.175	12	M10 x 25	61
C170M-85X106	85	3.346	4.173	5.157	5.394	2.559	3.386	3.780	4.173	6,359	45,605	14,126	11,327	5.398	12	M10 x 25	61
C170M-90X112	90	3.543	4.409	5.394	5.669	2.559	3.386	3.780	4.173	6,733	45,605	13,341	10,720	5.622	12	M10 x 25	61
C170M-95X120	95	3.740	4.724	5.591	5.866	2.559	3.386	3.780	4.173	8,292	53,206	14,745	11,673	6.161	14	M10 x 25	61
C170M-100X125	100	3.937	4.921	6.024	6.299	2.756	3.701	4.213	4.685	11,173	68,108	16,651	13,321	6.677	12	M12 x 30	107
C170M-110X140	110	4.331	5.512	6.614	6.850	2.756	3.701	4.213	4.685	12,290	68,108	15,137	11,894	7.226	12	M12 x 30	107
C170M-120X155	120	4.724	6.102	7.362	7.795	3.543	4.528	5.039	5.512	17,876	90,811	14,390	11,140	7.858	16	M12 x 30	107
C170M-130X165	130	5.118	6.496	7.756	8.189	3.543	4.528	5.039	5.512	19,366	90,811	13,283	10,465	8.233	16	M12 x 30	107

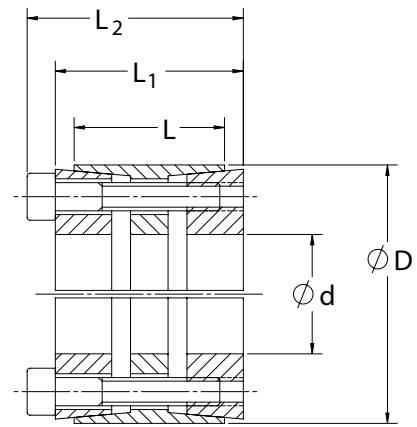
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C405 LOCKING ASSEMBLY

- Heavy duty
- Wider design transmits higher torque and bending moments
- Excellent concentricity; extremely robust for the most demanding applications

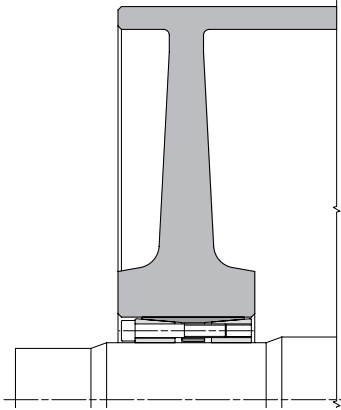


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	L	L ₁	L ₂	M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Qty.	Size	M _a (ft-lbs)
C405E-100	1	1.000	2.165	1.260	1.575	1.811	626	15,036	42,210	19,493	3.443	6	M6 x 35	13
C405E-112	1 1/8	1.125	2.165	1.260	1.575	1.811	705	15,036	37,520	19,493	3.443	6	M6 x 35	13
C405E-118	1 3/16	1.188	2.165	1.260	1.575	1.811	744	15,036	35,545	19,493	3.443	6	M6 x 35	13
C405E-125	1 1/4	1.250	2.362	1.732	2.126	2.362	914	17,542	27,809	14,715	3.317	7	M6 x 45	13
C405E-137	1 3/8	1.375	2.362	1.732	2.126	2.362	1,005	17,542	25,281	14,715	3.317	7	M6 x 45	13
C405E-143	1 7/16	1.438	2.362	1.732	2.126	2.362	1,051	17,542	24,182	14,715	3.317	7	M6 x 45	13
C405E-150	1 1/2	1.500	2.953	1.732	2.126	2.441	2,026	32,411	42,818	21,752	5.003	7	M8 x 45	30
C405E-162	1 5/8	1.625	2.953	1.732	2.126	2.441	2,195	32,411	39,524	21,752	5.003	7	M8 x 45	30
C405E-175	1 3/4	1.750	2.953	1.732	2.126	2.441	2,363	32,411	36,701	21,752	5.003	7	M8 x 45	30
C405E-187	1 7/8	1.875	3.150	2.205	2.598	2.913	2,894	37,041	30,251	18,009	4.812	8	M8 x 55	30
C405E-193	1 15/16	1.938	3.150	2.205	2.598	2.913	2,990	37,041	29,275	18,009	4.812	8	M8 x 55	30
C405E-200	2	2.000	3.150	2.205	2.598	2.913	3,087	37,041	28,360	18,009	4.812	8	M8 x 55	30
C405E-212	2 1/8	2.125	3.346	2.205	2.598	2.913	3,690	41,672	30,028	19,068	5.260	9	M8 x 55	30
C405E-218	2 3/16	2.188	3.346	2.205	2.598	2.913	3,798	41,672	29,170	19,068	5.260	9	M8 x 55	30
C405E-225	2 1/4	2.250	3.543	2.205	2.598	2.913	4,341	46,302	31,511	20,010	5.715	10	M8 x 55	30
C405E-237	2 3/8	2.375	3.543	2.205	2.598	2.913	4,582	46,302	29,853	20,010	5.715	10	M8 x 55	30
C405E-243	2 7/16	2.438	3.740	2.205	2.598	2.913	4,703	46,302	29,087	18,956	5.861	10	M8 x 55	30
C405E-250	2 1/2	2.500	3.740	2.205	2.598	2.913	4,823	46,302	28,360	18,956	5.861	10	M8 x 55	30
C405E-256	2 9/16	2.563	3.740	2.205	2.598	2.913	4,944	46,302	27,668	18,956	5.861	10	M8 x 55	30
C405E-262	2 5/8	2.625	4.331	2.756	3.150	3.543	8,313	76,008	34,837	21,116	7.205	10	M10 x 60	61
C405E-268	2 11/16	2.688	4.331	2.756	3.150	3.543	8,511	76,008	34,027	21,116	7.205	10	M10 x 60	61
C405E-275	2 3/4	2.750	4.331	2.756	3.150	3.543	8,709	76,008	33,254	21,116	7.205	10	M10 x 60	61
C405E-287	2 7/8	2.875	4.331	2.756	3.150	3.543	9,105	76,008	31,808	21,116	7.205	10	M10 x 60	61
C405E-293	2 15/16	2.938	4.724	2.756	3.150	3.543	10,233	83,609	34,244	21,292	7.900	11	M10 x 60	61
C405E-300	3	3.000	4.724	2.756	3.150	3.543	10,451	83,609	33,531	21,292	7.900	11	M10 x 60	61
C405E-312	3 1/8	3.125	4.724	2.756	3.150	3.543	10,887	83,609	32,190	21,292	7.900	11	M10 x 60	61
C405E-325	3 1/4	3.250	4.724	2.756	3.150	3.543	11,322	83,609	30,952	21,292	7.900	11	M10 x 60	61
C405E-337	3 3/8	3.375	5.118	2.756	3.150	3.543	12,826	91,209	32,515	21,441	8.595	12	M10 x 60	61
C405E-343	3 7/16	3.438	5.118	2.756	3.150	3.543	13,064	91,209	31,924	21,441	8.595	12	M10 x 60	61
C405E-350	3 1/2	3.500	5.118	2.756	3.150	3.543	13,301	91,209	31,354	21,441	8.595	12	M10 x 60	61
C405E-362	3 5/8	3.625	5.118	2.756	3.150	3.543	13,776	91,209	30,272	21,441	8.595	12	M10 x 60	61
C405E-375	3 3/4	3.750	5.709	3.543	4.016	4.488	19,510	124,865	32,049	21,053	9.481	11	M12 x 80	107
C405E-387	3 7/8	3.875	5.709	3.543	4.016	4.488	20,161	124,865	31,015	21,053	9.481	11	M12 x 80	107
C405E-393	3 15/16	3.938	5.709	3.543	4.016	4.488	20,486	124,865	30,523	21,053	9.481	11	M12 x 80	107
C405E-400	4	4.000	5.709	3.543	4.016	4.488	20,811	124,865	30,046	21,053	9.481	11	M12 x 80	107
C405E-425	4 1/4	4.250	6.102	3.543	4.016	4.488	24,122	136,217	30,849	21,485	10.261	12	M12 x 80	107
C405E-437	4 3/8	4.375	6.102	3.543	4.016	4.488	24,831	136,217	29,968	21,485	10.261	12	M12 x 80	107
C405E-443	4 7/16	4.438	6.496	3.543	4.016	4.488	29,384	158,920	34,470	23,547	11.612	14	M12 x 80	107
C405E-450	4 1/2	4.500	6.496	3.543	4.016	4.488	29,797	158,920	33,991	23,547	11.612	14	M12 x 80	107
C405E-475	4 3/4	4.750	6.496	3.543	4.016	4.488	31,453	158,920	32,202	23,547	11.612	14	M12 x 80	107
C405E-493	4 15/16	4.938	7.087	4.094	4.567	5.118	37,693	183,216	29,763	20,737	11.665	12	M14 x 90	170
C405E-500	5	5.000	7.087	4.094	4.567	5.118	38,170	183,216	29,391	20,737	11.665	12	M14 x 90	170
C405E-525	5 1/4	5.250	7.480	4.094	4.567	5.118	46,758	213,751	32,657	22,920	13.120	14	M14 x 90	170
C405E-543	5 7/16	5.438	7.480	4.094	4.567	5.118	48,428	213,751	31,531	22,920	13.120	14	M14 x 90	170
C405E-550	5 1/2	5.500	7.480	4.094	4.567	5.118	48,985	213,751	31,172	22,920	13.120	14	M14 x 90	170
C405E-575	5 3/4	5.750	7.874	4.094	4.567	5.118	54,869	229,019	31,947	23,329	13.982	15	M14 x 90	170
C405E-593	5 15/16	5.938	7.874	4.094	4.567	5.118	56,658	229,019	30,938	23,329	13.982	15	M14 x 90	170
C405E-600	6	6.000	8.268	4.094	4.567	5.118	61,072	244,287	32,657	23,699	14.848	16	M14 x 90	170
C405E-643	6 7/16	6.438	8.858	5.276	5.866	6.496	79,146	295,070	28,075	20,403	14.444	14	M16 x 110	262
C405E-650	6 1/2	6.500	8.858	5.276	5.866	6.496	79,915	295,070	27,805	20,403	14.444	14	M16 x 110	262
C405E-693	6 15/16	6.938	9.252	5.276	5.866	6.496	91,386	316,146	27,912	20,930	15.312	15	M16 x 110	262
C405E-700	7	7.000	9.252	5.276	5.866	6.496	92,209	316,146	27,663	20,930	15.312	15	M16 x 110	262
C405E-725	7 1/4	7.250	9.843	5.276	5.866	6.496	101,869	337,223	28,490	20,986	16.315	16	M16 x 110	262
C405E-743	7 7/16	7.438	9.843	5.276	5.866	6.496	104,504	337,223	27,772	20,986	16.315	16	M16 x 110	262
C405E-750	7 1/2	7.500	9.843	5.276	5.866	6.496	105,382	337,223	27,540	20,986	16.315	16	M16 x 110	262
C405E-775	7 3/4	7.750	10.236	5.276	5.866	6.496	108,895	337,223	26,652	20,178	16.587	16	M16 x 110	262
C405E-793	7 15/16	7.938	10.236	5.276	5.866	6.496	111,529	337,223	26,022	20,178	16.587	16	M16 x 110	262
C405E-800	8	8.000	10.236	5.276	5.866	6.496	112,408	337,223	25,819	20,178	16.587	16	M16 x 110	262

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a Pressure Reduction Factor of C=1.0 and hub material with tensile yield point $\geq 45,000$ psi. For details refer to page 8.



SERIES C405 LOCKING ASSEMBLY

CLIMAX Series C405 transmits continuous reversing bending as well as torque in highly loaded belt conveyor head pulleys. CLIMAX and MAV together have decades of experience designing, specifying and manufacturing KLDs for the most demanding applications.



Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	L	L ₁	L ₂	M _t (ft.-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
												Qty.	Size	M _a (ft.-lbs)
C405M-24X55	24	0.945	2.165	1.260	1.575	1.811	592	15,036	67,008	29,240	4.700	6	M6 x 35	13
C405M-25X55	25	0.984	2.165	1.260	1.575	1.811	617	15,036	42,885	19,493	3.443	6	M6 x 35	13
C405M-28X55	28	1.102	2.165	1.260	1.575	1.811	691	15,036	38,290	19,493	3.443	6	M6 x 35	13
C405M-30X55	30	1.181	2.165	1.260	1.575	1.811	740	15,036	35,738	19,493	3.443	6	M6 x 35	13
C405M-32X60	32	1.260	2.362	1.732	2.126	2.362	921	17,542	27,592	14,715	3.317	7	M6 x 45	13
C405M-35X60	35	1.378	2.362	1.732	2.126	2.362	1,007	17,542	25,227	14,715	3.317	7	M6 x 45	13
C405M-38X75	38	1.496	2.953	1.732	2.126	2.441	2,020	32,411	42,931	21,752	5.003	7	M8 x 45	30
C405M-40X75	40	1.575	2.953	1.732	2.126	2.441	2,127	32,411	40,784	21,752	5.003	7	M8 x 45	30
C405M-42X75	42	1.654	2.953	1.732	2.126	2.441	2,233	32,411	38,842	21,752	5.003	7	M8 x 45	30
C405M-45X75	45	1.772	2.953	1.732	2.126	2.441	2,393	32,411	36,253	21,752	5.003	7	M8 x 45	30
C405M-48X80	48	1.890	3.150	2.205	2.598	2.913	2,917	37,041	30,014	18,009	4.812	8	M8 x 55	30
C405M-50X80	50	1.969	3.150	2.205	2.598	2.913	3,038	37,041	28,814	18,009	4.812	8	M8 x 55	30
C405M-55X85	55	2.165	3.346	2.205	2.598	2.913	3,760	41,672	29,469	19,068	5.260	9	M8 x 55	30
C405M-60X90	60	2.362	3.543	2.205	2.598	2.913	4,557	46,302	30,014	20,010	5.715	10	M8 x 55	30
C405M-65X95	65	2.559	3.740	2.205	2.598	2.913	4,937	46,302	27,706	18,956	5.861	10	M8 x 55	30
C405M-70X110	70	2.756	4.331	2.756	3.150	3.543	8,728	76,008	33,182	21,116	7.205	10	M10 x 60	61
C405M-80X120	80	3.150	4.724	2.756	3.150	3.543	10,972	83,609	31,938	21,292	7.900	11	M10 x 60	61
C405M-90X130	90	3.543	5.118	2.756	3.150	3.543	13,466	91,209	30,970	21,441	8.595	12	M10 x 60	61
C405M-100X145	100	3.937	5.709	3.543	4.016	4.488	20,483	124,865	30,527	21,053	9.481	11	M12 x 80	107
C405M-110X155	110	4.331	6.102	3.543	4.016	4.488	24,580	136,217	30,274	21,485	10.261	12	M12 x 80	107
C405M-120X165	120	4.724	6.496	3.543	4.016	4.488	31,283	158,920	32,377	23,547	11.612	14	M12 x 80	107
C405M-130X180	130	5.118	7.087	4.094	4.567	5.118	39,072	183,216	28,713	20,737	11.665	12	M14 x 90	170
C405M-140X190	140	5.512	7.480	4.094	4.567	5.118	49,090	213,751	31,106	22,920	13.120	14	M14 x 90	170
C405M-150X200	150	5.906	7.874	4.094	4.567	5.118	56,353	229,019	31,106	23,329	13.982	15	M14 x 90	170
C405M-160X210	160	6.299	8.268	4.094	4.567	5.118	64,117	244,287	31,106	23,699	14.848	16	M14 x 90	170
C405M-170X225	170	6.693	8.858	5.276	5.866	6.496	82,287	295,070	27,003	20,403	14.444	14	M16 x 110	262
C405M-180X235	180	7.087	9.252	5.276	5.866	6.496	93,350	316,146	27,325	20,930	15.312	15	M16 x 110	262
C405M-190X250	190	7.480	9.843	5.276	5.866	6.496	105,106	337,223	27,613	20,986	16.315	16	M16 x 110	262
C405M-200X260	200	7.874	10.236	5.276	5.866	6.496	110,637	337,223	26,232	20,178	16.587	16	M16 x 110	262
C405M-220X285	220	8.661	11.220	5.276	5.906	6.535	136,914	379,376	26,828	20,709	18.455	18	M16 x 110	262
C405M-240X305	240	9.449	12.008	5.276	5.906	6.535	165,956	421,529	27,325	21,502	20.201	20	M16 x 110	262
C405M-260X325	260	10.236	12.795	5.276	5.906	6.535	188,775	442,605	26,484	21,187	21.332	21	M16 x 110	262
C405M-280X355	280	11.024	13.976	6.496	6.969	7.756	270,299	588,480	27,248	21,491	23.505	18	M20 x 130	509
C405M-300X375	300	11.811	14.764	6.496	6.969	7.756	321,785	653,867	28,257	22.606	25.652	20	M20 x 130	509
C405M-320X405	320	12.598	15.945	6.496	6.969	7.756	360,399	686,560	27,816	21,978	27.197	21	M20 x 130	509
C405M-340X425	340	13.386	16.732	6.496	6.969	7.756	401,159	719,254	27,426	21,941	28.509	22	M20 x 130	509
C405M-360X455	360	14.173	17.913	7.480	7.992	8.858	502,181	850,359	26,595	21,042	29.741	21	M22 x 150	686
C405M-380X475	380	14.961	18.701	7.480	7.992	8.858	555,321	890,852	26,395	21,116	31.114	22	M22 x 150	686
C405M-400X495	400	15.748	19.488	7.480	7.992	8.858	637,690	971,839	27,354	22,105	33.364	24	M22 x 150	686

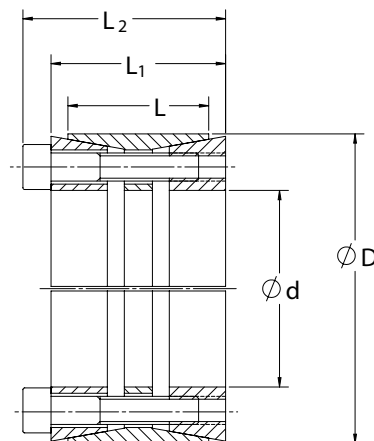
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point $\geq 45,000$ psi. For details refer to page 8.



SERIES C415 LOCKING ASSEMBLY

- Medium duty
- Wider design transmits higher torque and bending moments
- Excellent concentricity

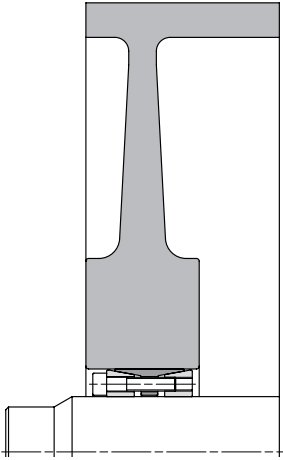


Inch

CLIMAX Part No.	Shaft Size (in)	d	D	L	L ₁	L ₂	Mt (ft-lbs)	Fax (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
												Qty.	Size	M _a (ft-lbs)
C415E-275	2 3/4	2.750	4.331	1.969	2.441	2.835	5,363	46,804	28,668	18,204	6.651	8	M10 x 50	61
C415E-293	2 15/16	2.938	4.528	1.969	2.441	2.835	5,729	46,804	26,838	17,413	6.810	8	M10 x 50	61
C415E-343	3 7/16	3.438	5.118	1.969	2.441	2.835	9,218	64,356	31,535	21,180	8.531	11	M10 x 50	61
C415E-350	3 1/2	3.500	5.118	1.969	2.441	2.835	9,385	64,356	30,971	21,180	8.531	11	M10 x 50	61
C415E-393	3 15/16	3.938	5.709	2.362	2.835	3.307	14,335	87,374	31,148	21,484	9.599	10	M12 x 60	107
C415E-443	4 7/16	4.438	6.496	2.362	2.835	3.307	17,771	96,112	30,402	20,768	10.702	11	M12 x 60	107
C415E-450	4 1/2	4.500	6.496	2.362	2.835	3.307	18,021	96,112	29,980	20,768	10.702	11	M12 x 60	107
C415E-493	4 15/16	4.938	7.087	2.559	3.189	3.661	25,166	122,324	30,911	21,537	11.934	14	M12 x 70	107
C415E-500	5	5.000	7.087	2.559	3.189	3.661	25,484	122,324	30,525	21,537	11.934	14	M12 x 70	107
C415E-543	5 7/16	5.438	7.480	2.559	3.228	3.701	29,694	131,062	30,074	21,861	12.715	15	M12 x 70	107
C415E-593	5 15/16	5.938	7.874	2.559	3.228	3.701	32,424	131,062	27,541	20,768	12.972	15	M12 x 70	107
C415E-600	6	6.000	8.268	2.559	3.228	3.701	34,950	139,799	29,071	21,097	13.748	16	M12 x 70	107
C415E-643	6 7/16	6.438	8.858	3.071	3.661	4.213	47,284	176,282	28,828	20,950	14.669	15	M14 x 80	170
C415E-693	6 15/16	6.938	9.252	3.071	3.661	4.213	50,956	176,282	26,750	20,058	14.943	15	M14 x 80	170
C415E-793	7 15/16	7.938	10.236	3.465	4.134	4.685	76,816	232,264	25,941	20,116	16.558	18	M14 x 80	170
C415E-800	8	8.000	10.236	3.465	4.134	4.685	77,421	232,264	25,738	20,116	16.558	18	M14 x 80	170

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point $\geq 45,000$ psi. For details refer to page 8.



SERIES C415 LOCKING ASSEMBLY

CLIMAX Series C415 has become the industry standard to mount conveyor drum pulleys.



Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	L	L ₁	L ₂	M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
												Qty.	Size	M _a (ft-lbs)
C415M-70X110	70	2.756	4.331	1.969	2.441	2.835	5,374	46,804	28,606	18,204	6.651	8	M10 x 50	61
C415M-80X120	80	3.150	4.724	1.969	2.441	2.835	7,678	58,505	31,288	20,859	7.803	10	M10 x 50	61
C415M-90X130	90	3.543	5.118	1.969	2.441	2.835	9,501	64,356	30,593	21,180	8.531	11	M10 x 50	61
C415M-100X145	100	3.937	5.709	2.362	2.835	3.307	14,333	87,374	31,152	21,484	9.599	10	M12 x 60	107
C415M-110X155	110	4.331	6.102	2.362	2.835	3.307	15,766	87,374	28,320	20,098	9.866	10	M12 x 60	107
C415M-120X165	120	4.724	6.496	2.362	2.835	3.307	18,920	96,112	28,556	20,768	10.702	11	M12 x 60	107
C415M-130X180	130	5.118	7.087	2.559	3.189	3.661	26,086	122,324	29,820	21,537	11.934	14	M12 x 70	107
C415M-140X190	140	5.512	7.480	2.559	3.228	3.701	30,099	131,062	29,668	21,861	12.715	15	M12 x 70	107
C415M-150X200	150	5.906	7.874	2.559	3.228	3.701	32,249	131,062	27,690	20,768	12.972	15	M12 x 70	107
C415M-160X210	160	6.299	8.268	2.559	3.228	3.701	36,693	139,799	27,690	21,097	13.748	16	M12 x 70	107
C415M-170X225	170	6.693	8.858	3.071	3.661	4.213	49,160	176,282	27,728	20,950	14.669	15	M14 x 80	170
C415M-180X235	180	7.087	9.252	3.071	3.661	4.213	52,052	176,282	26,187	20,058	14.943	15	M14 x 80	170
C415M-190X250	190	7.480	9.843	3.465	4.134	4.685	58,606	188,034	22,285	16,936	14.622	16	M14 x 80	170
C415M-200X260	200	7.874	10.236	3.465	4.134	4.685	76,202	232,264	26,150	20,116	16.558	18	M14 x 80	170
C415M-220X285	220	8.661	11.220	3.780	4.370	5.000	87,821	243,345	23,085	17,820	17.058	15	M16 x 90	262
C415M-240X305	240	9.449	12.008	3.780	4.370	5.000	127,740	324,460	28,215	22,202	20.616	20	M16 x 90	262
C415M-260X325	260	10.236	12.795	3.780	4.370	5.000	145,305	340,683	27,346	21,877	21.760	21	M16 x 90	262
C415M-280X355	280	11.024	13.976	3.780	4.331	5.118	173,380	377,473	31,177	24,590	25.808	15	M20 x 90	509
C415M-300X375	300	11.811	14.764	3.780	4.370	5.157	185,764	377,473	29,098	23,279	26.176	15	M20 x 90	509
C415M-320X405	320	12.598	15.945	4.882	5.354	6.142	264,198	503,297	28,038	22,153	27.336	20	M20 x 110	509
C415M-340X425	340	13.386	16.732	4.882	5.354	6.142	280,710	503,297	26,388	21,111	27.835	20	M20 x 110	509
C415M-360X455	360	14.173	17.913	5.512	6.299	7.165	368,134	623,373	24,695	19,539	28.520	20	M22 x 130	686
C415M-380X475	380	14.961	18.701	5.512	6.299	7.165	388,585	623,373	23,395	18,716	29.116	20	M22 x 130	686
C415M-400X495	400	15.748	19.488	5.512	6.299	7.165	449,941	685,710	24,448	19,756	31.212	22	M22 x 130	686

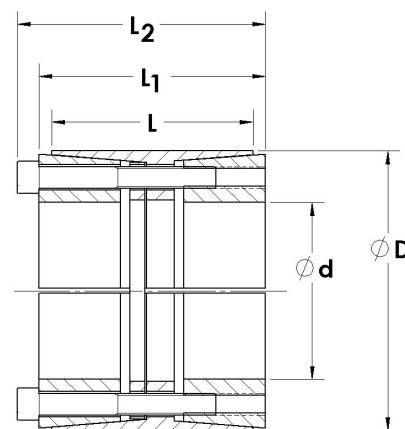
All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.

* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point ≥ 45,000 psi. For details refer to page 8.



SERIES C425 LOCKING ASSEMBLY

- Extra heavy duty
- Self-centering, self-locking design
- Widest design transmits highest bending moments



Metric

CLIMAX Part No.	Shaft Size (mm)	d	D	L	L ₁	L ₂	M _t (ft-lbs)	F _{ax} (lbs.F)	P _s (psi)	P _h (psi)	D _n *	Locking Screws		
												Qty.	Size	M _a (ft-lbs)
C425M- 180 x 285	180	7.087	11.220	8.071	9.094	9.961	167,265	566,471	32,489	20,451	18.321	14	M22 x 180	686
C425M- 200 x 305	200	7.874	12.008	8.071	9.173	10.039	212,400	647,395	33,359	21,901	20.436	16	M22 x 180	686
C425M- 220 x 325	220	8.661	12.795	8.071	9.016	9.882	233,566	647,191	30,748	20,741	21.063	16	M22 x 180	686
C425M- 240 x 355	240	9.449	13.976	8.189	9.449	10.394	299,720	761,289	31,909	21,611	23.586	16	M24 x 180	885
C425M- 260 x 375	260	10.236	14.764	8.189	9.449	10.394	365,284	856,450	33,214	23,061	26.004	18	M24 x 180	885
C425M- 280 x 405	280	11.024	15.945	8.189	9.370	10.315	437,116	951,665	34,665	23,932	28.841	20	M24 x 180	885
C425M- 300 x 425	300	11.811	16.732	8.189	9.449	10.394	468,386	951,761	31,909	22,481	28.965	20	M24 x 180	885
C425M- 320 x 455	320	12.598	17.913	9.843	11.024	12.087	595,310	1,134,066	30,748	21,611	30.230	18	M27 x 220	1,328
C425M- 340 x 475	340	13.386	18.701	9.843	11.220	12.283	702,838	1,260,146	31,764	22,771	32.653	20	M27 x 220	1,328
C425M- 360 x 495	360	14.173	19.488	9.843	11.142	12.205	818,625	1,386,205	32,924	23,932	35.250	22	M27 x 220	1,328
C425M- 380 x 515	380	14.961	20.276	9.843	11.024	12.087	864,350	1,386,599	31,619	23,351	36.027	22	M27 x 220	1,328
C425M- 400 x 535	400	15.748	21.063	9.843	11.024	12.087	909,338	1,385,830	29,588	22,191	36.151	22	M27 x 220	1,328
C425M- 420 x 555	420	16.535	21.850	9.843	11.220	12.283	1,042,088	1,512,516	30,748	23,351	38.826	24	M27 x 220	1,328
C425M- 440 x 575	440	17.323	22.638	9.843	11.220	12.283	1,091,500	1,512,224	29,443	22,481	39.188	24	M27 x 220	1,328
C425M- 460 x 595	460	18.110	23.425	9.843	11.220	12.283	1,140,913	1,511,957	28,138	21,756	39.698	24	M27 x 220	1,328
C425M- 480 x 615	480	18.898	24.213	9.843	11.220	12.283	1,388,713	1,763,665	31,474	24,512	44.598	28	M27 x 220	1,328
C425M- 500 x 635	500	19.685	25.000	9.843	11.024	12.087	1,446,975	1,764,152	30,603	24,077	45.424	28	M27 x 220	1,328
C425M- 520 x 655	520	20.472	25.787	9.843	11.220	12.283	1,504,500	1,763,737	29,008	23,061	45.421	28	M27 x 220	1,328
C425M- 540 x 675	540	21.260	26.575	9.843	11.024	12.087	1,674,125	1,889,901	30,458	24,367	48.726	30	M27 x 220	1,328
C425M- 560 x 695	560	22.047	27.362	9.843	11.024	12.087	1,736,075	1,889,842	29,298	23,642	49.052	30	M27 x 220	1,328

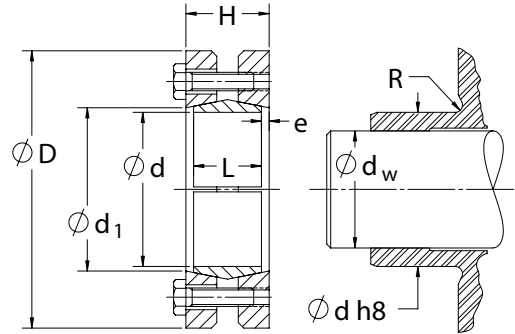
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* Minimum hub outside diameter based on a **Pressure Reduction Factor** of C=1.0 and hub material with tensile yield point $\geq 45,000$ psi.



CLIMAX SHRINK DISCS

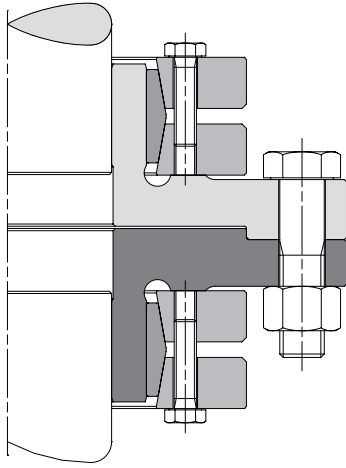
- External keyless locking device
- Standard and Heavy Duty designs
- Inherently balanced for high speed applications
- Preferred solution for coupling hubs and hollow shaft gearboxes



Series C733 - Standard Duty

CLIMAX Part No.	d	dw- min	dw- max	Mt (ft-lbs) for		Locking Screws DIN 931 Grade 10.9			D	L	H	e	d1	R
				dw- min	dw- max	Qty.	Size	Ma (ft-lbs)						
C733M-14	0.551	0.375	0.451	22	55	3	M5 x 12	3	1.50	0.394	0.59	0.098	0.591	1/32
C733M-16	0.630	0.438	0.516	21	58	3	M5 x 16	3	1.61	0.472	0.67	0.098	0.669	1/32
C733M-18	0.709	0.500	0.580	52	99	4	M5 x 16	3	1.73	0.472	0.67	0.098	0.748	1/32
C733M-20	0.787	0.500	0.645	55	148	5	M5 x 16	3	1.81	0.472	0.67	0.098	0.866	1/32
C733M-24	0.945	0.625	0.774	97	215	6	M5 x 16	3	1.97	0.551	0.71	0.079	1.024	1/16
C733M-30	1.181	0.750	0.967	122	316	7	M5 x 18	3	2.36	0.630	0.79	0.079	1.260	1/16
C733M-36	1.417	0.875	1.161	319	675	5	M6 x 20	9	2.83	0.709	0.87	0.079	1.496	1/16
C733M-44	1.732	1.125	1.419	694	1,215	7	M6 x 20	9	3.15	0.787	0.94	0.079	1.850	1/16
C733M-50	1.969	1.375	1.612	982	1,590	8	M6 x 22	9	3.54	0.866	1.06	0.098	2.087	1/16
C733M-55	2.165	1.500	1.773	1,032	1,734	8	M6 x 25	9	3.94	0.906	1.14	0.118	2.283	3/32
C733M-62	2.441	1.750	1.999	1,746	2,412	10	M6 x 25	9	4.33	0.906	1.14	0.118	2.598	3/32
C733M-68	2.677	1.875	2.193	1,790	2,646	10	M6 x 25	9	4.53	0.906	1.14	0.118	2.835	3/32
C733M-75	2.953	2.125	2.418	2,808	4,079	7	M8 x 25	22	5.43	0.984	1.22	0.118	3.110	1/8
C733M-80	3.150	2.375	2.580	3,435	4,351	7	M8 x 25	22	5.71	0.984	1.22	0.118	3.307	1/8
C733M-90	3.543	2.500	2.902	4,779	7,175	10	M8 x 30	22	6.10	1.181	1.50	0.157	3.701	1/8
C733M-100	3.937	2.875	3.224	7,098	9,638	12	M8 x 35	22	6.69	1.339	1.69	0.177	4.094	1/8
C733M-110	4.331	3.125	3.547	8,873	12,421	9	M10 x 40	44	7.28	1.535	1.93	0.197	4.488	1/8
C733M-125	4.921	3.500	4.031	13,504	19,262	12	M10 x 40	44	8.46	1.654	2.09	0.217	5.276	1/8
C733M-140	5.512	4.000	4.514	19,544	26,310	10	M12 x 45	74	9.06	1.811	2.28	0.236	5.709	3/16
C733M-155	6.102	4.500	4.998	27,370	33,868	12	M12 x 50	74	10.35	1.969	2.44	0.236	6.496	3/16
C733M-165	6.496	4.875	5.320	37,487	46,845	8	M16 x 55	184	11.42	2.205	2.68	0.236	6.890	3/16
C733M-175	6.890	5.250	5.643	41,348	49,685	8	M16 x 55	184	11.81	2.205	2.68	0.236	7.283	3/16
C733M-185	7.283	5.625	5.965	56,434	65,556	10	M16 x 65	184	12.99	2.795	3.35	0.276	7.677	3/16
C733M-195	7.677	5.875	6.288	71,451	84,390	12	M16 x 65	184	13.78	2.795	3.35	0.276	8.110	3/16
C733M-200	7.874	6.250	6.449	80,170	86,554	12	M16 x 65	184	13.78	2.795	3.35	0.276	8.110	3/16
C733M-220	8.661	6.375	7.094	91,633	115,673	15	M16 x 80	184	14.57	3.465	4.09	0.315	8.898	1/4
C733M-240	9.449	7.000	7.739	130,075	161,101	12	M20 x 80	361	15.94	3.622	4.25	0.315	9.764	1/4
C733M-260	10.236	7.625	8.383	161,469	204,411	14	M20 x 90	361	16.93	4.055	4.69	0.315	10.551	1/4
C733M-280	11.024	8.375	9.028	209,648	252,319	16	M20 x 100	361	18.11	4.488	5.20	0.354	11.339	5/16
C733M-300	11.811	9.000	9.673	256,147	305,461	18	M20 x 100	361	19.09	4.803	5.51	0.354	12.126	5/16
C733M-320	12.598	9.625	10.318	309,145	358,190	20	M20 x 100	361	20.47	4.803	5.51	0.354	12.913	5/16
C733M-340	13.386	10.250	10.963	389,660	459,821	24	M20 x 110	361	22.44	5.354	6.14	0.394	13.701	5/16
C733M-350	13.780	10.875	11.285	430,793	472,106	24	M20 x 110	361	22.83	5.512	6.30	0.394	14.488	5/16
C733M-360	14.173	11.250	11.608	449,436	485,595	24	M20 x 110	361	23.23	5.512	6.30	0.394	14.488	5/16
C733M-380	14.961	11.500	12.253	534,665	622,638	20	M24 x 120	620	25.39	5.669	6.46	0.394	15.276	5/16

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CLIMAX SHRINK DISCS

CLIMAX Series C733 Standard Duty Shrink Discs connect flanged coupling halves. CLIMAX can also supply both complete couplings and single mating flanges.



Series C732 - Heavy Duty

CLIMAX Part No.	d	d _W - min	d _W - max	M _t (ft-lbs) for		Locking Screws DIN 931 Grade 10.9								
				d _W - min	d _W - max	Qty.	Size	M _a (ft-lbs)	D	L	H	e	d ₁	R
C732M-40	1.575	1.000	1.290	620	1,180	4	M8 x 25	22	3.15	0.984	1.26	0.138	1.732	1/16
C732M-44	1.732	1.125	1.419	935	1,649	5	M8 x 30	22	3.35	1.142	1.34	0.098	1.890	1/16
C732M-50	1.969	1.375	1.612	1,772	2,764	7	M8 x 35	22	3.74	1.181	1.54	0.177	2.126	1/16
C732M-55	2.165	1.500	1.773	1,903	3,040	7	M8 x 35	22	4.13	1.181	1.54	0.177	2.323	1/16
C732M-62	2.441	1.750	1.999	2,367	3,263	7	M8 x 35	22	4.53	1.181	1.54	0.177	2.598	1/16
C732M-68	2.677	1.875	2.193	2,877	4,193	8	M8 x 35	22	4.72	1.181	1.54	0.177	2.834	3/32
C732M-75	2.953	2.125	2.418	4,478	6,436	7	M10 x 40	44	5.71	1.417	1.81	0.197	3.307	3/32
C732M-80	3.150	2.375	2.580	5,454	8,865	7	M10 x 40	44	5.71	1.417	1.81	0.197	3.307	3/32
C732M-90	3.543	2.500	2.902	5,849	8,863	8	M10 x 40	44	6.30	1.575	1.97	0.197	3.701	1/8
C732M-100	3.937	2.875	3.224	9,225	12,523	10	M10 x 45	44	6.69	1.732	2.13	0.197	4.094	1/8
C732M-110	4.331	3.125	3.547	11,930	16,639	12	M10 x 45	44	7.28	1.969	2.36	0.197	4.488	1/8
C732M-125	4.921	3.500	4.031	19,984	28,242	12	M12 x 50	74	8.46	2.126	2.60	0.236	5.157	3/16
C732M-140	5.512	4.000	4.514	23,149	31,334	12	M12 x 60	74	9.06	2.362	2.91	0.276	5.748	3/16
C732M-155	6.102	4.500	4.998	33,973	42,047	15	M12 x 60	74	10.35	2.598	3.15	0.276	6.614	3/16
C732M-165	6.496	4.875	5.320	46,646	58,382	10	M16 x 70	184	11.42	2.835	3.46	0.315	6.890	3/16
C732M-175	6.890	5.250	5.643	51,464	61,920	10	M16 x 70	184	11.81	2.835	3.46	0.315	7.283	3/16
C732M-185	7.283	5.625	5.965	86,296	99,759	15	M16 x 80	184	12.99	3.622	4.41	0.394	7.677	3/16
C732M-195	7.677	5.875	6.288	88,918	105,151	15	M16 x 80	184	13.78	3.622	4.41	0.394	8.110	1/4
C732M-200	7.874	6.250	6.449	99,837	107,847	15	M16 x 80	184	13.78	3.622	4.41	0.394	8.110	1/4
C732M-220	8.661	6.375	7.094	122,664	154,750	20	M16 x 90	184	14.57	4.488	5.28	0.394	8.898	1/4
C732M-240	9.449	7.000	7.739	161,804	200,526	15	M20 x 100	361	15.94	4.724	5.67	0.472	9.685	1/4
C732M-260	10.236	7.625	8.383	206,795	262,157	18	M20 x 110	361	16.93	5.354	6.30	0.472	10.551	1/4
C732M-280	11.024	8.375	9.028	260,761	314,308	20	M20 x 120	361	18.11	5.827	6.77	0.472	11.339	5/16
C732M-300	11.811	9.000	9.673	280,470	335,909	20	M20 x 120	361	19.09	5.984	6.93	0.472	12.126	5/16
C732M-320	12.598	9.625	10.318	367,340	425,978	24	M20 x 120	361	20.47	6.299	7.24	0.472	12.913	5/16
C732M-340	13.386	10.250	10.963	462,664	547,471	20	M24 x 130	620	22.44	6.929	7.87	0.472	13.701	5/16
C732M-350	13.780	10.875	11.285	542,470	594,477	21	M24 x 130	620	22.83	6.929	7.87	0.472	14.094	5/16
C732M-360	14.173	11.250	11.608	534,699	578,401	20	M24 x 140	620	23.23	7.087	8.03	0.472	14.488	3/8

For C733 and C732 Series Shrink Discs

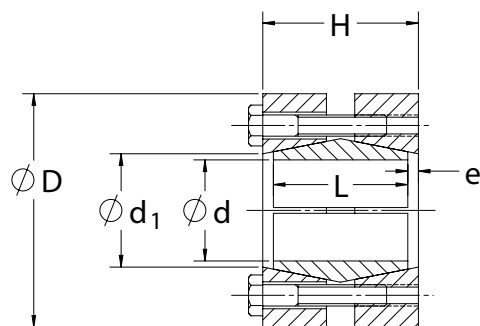
Shaft Diameter d _W (inches)		T _W = Max. Diametrical Clearance Between Shaft and Hub Bore
Over	To and Including	
	1 1/8	0.0010
1 1/8	1 15/16	0.0015
1 15/16	4 3/4	0.0020
4 3/4	7	0.0030
7	10	0.0040
10	14	0.0050
14		0.0060

All dimensions are shown in inches unless stated otherwise. All dimensions and capacities are subject to change without notice.



SERIES C600 KEYLESS RIGID COUPLINGS

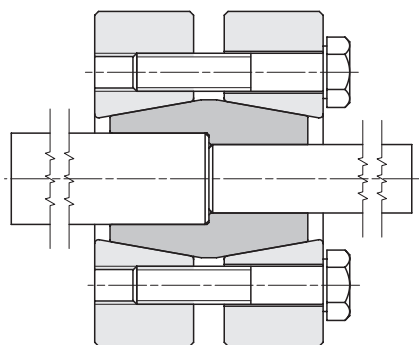
- Cost effective shaft-to-shaft keyless connection
- High torque and bending moment capacity
- Preferred solution for torque-arm mounted hydraulic drives
- Available with stepped bore upon request



Inch

CLIMAX Part No.	Type	Shaft Size (in)	d	M _t (ft-lbs)	D	H	L	e	d ₁	Locking Screws		
										Qty.	Size	M _a (ft-lbs)
C600E-062	15	5/8	0.625	167	2.047	1.339	1.181	0.079	0.827	3	M6 x 30	9
C600E-068		11/16	0.69	184								
C600E-075		3/4	0.750	200								
C600E-081	20	13/16	0.8125	362	2.362	1.575	1.339	0.118	1.024	5	M6 x 35	9
C600E-087		7/8	0.875	390								
C600E-093		15/16	0.9375	418								
C600E-100	25	1	1.000	624	2.598	1.732	1.496	0.118	1.260	7	M6 x 35	9
C600E-106		1 1/16	1.0625	662								
C600E-112		1 1/8	1.125	701								
C600E-118	30	1 3/16	1.1875	846	2.992	1.890	1.654	0.118	1.496	8	M6 x 40	9
C600E-125		1 1/4	1.250	891								
C600E-137		1 3/8	1.375	980								
C600E-143	40	1 7/16	1.4375	1,721	3.780	2.205	1.969	0.118	1.850	7	M8 x 45	22
C600E-150		1 1/2	1.500	1,796								
C600E-162		1 5/8	1.625	1,946								
C600E-168		1 11/16	1.6875	2,021								
C600E-175		1 3/4	1.750	2,095								
C600E-187	50	1 7/8	1.875	3,207	4.409	2.676	2.362	0.157	2.283	10	M8 x 50	22
C600E-193		1 15/16	1.9375	3,314								
C600E-200		2	2.000	3,421								
C600E-212		2 1/8	2.125	3,635								
C600E-218	60	2 3/16	2.1875	4,490	4.724	3.071	2.756	0.157	2.598	12	M8 x 55	22
C600E-225		2 1/4	2.250	4,618								
C600E-237		2 3/8	2.375	4,875								
C600E-243		2 7/16	2.4375	5,003								
C600E-250		2 1/2	2.500	5,132								
C600E-256	70	2 9/16	2.5625	8,197	5.826	3.464	3.150	0.157	3.110	12	M10 x 65	44
C600E-262		2 5/8	2.625	8,397								
C600E-268		2 11/16	2.6875	8,597								
C600E-275		2 3/4	2.750	8,797								
C600E-287		2 7/8	2.875	9,197								
C600E-293	80	2 15/16	2.9375	11,357	6.693	4.095	3.701	0.197	3.701	10	M12 x 80	74
C600E-300		3	3.000	11,599								
C600E-312		3 1/8	3.125	12,082								
C600E-325		3 1/4	3.250	12,566								
C600E-337		3 3/8	3.375	13,049								
C600E-343	90	3 7/16	3.4375	15,949	7.283	4.567	4.173	0.197	4.094	12	M12 x 80	74
C600E-350		3 1/2	3.500	16,239								
C600E-362		3 5/8	3.625	16,819								
C600E-375		3 3/4	3.750	17,399								
C600E-387		3 7/8	3.875	17,979								
C600E-393	100	3 15/16	3.9375	22,836	7.756	4.960	4.488	0.236	4.488	15	M12 x 90	74
C600E-400		4	4.000	23,198								
C600E-425		4 1/4	4.250	24,648								

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SERIES C600 KEYLESS RIGID COUPLINGS

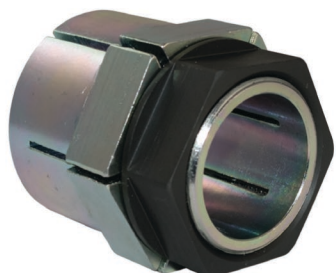
CLIMAX Series C600 Keyless Rigid Coupling accommodates different shaft diameters with a stepped-bore inner ring. Our C600 is a cost-effective design alternative to a foot-mounted hydraulic drive with a flexible coupling. See Page 9 for application details.



Metric

CLIMAX Part No.	Type	Shaft Size (mm)	d	M _t (ft-lbs)						Locking Screws		
					D	H	L	e	d ₁	Qty.	Size	M _a (ft-lbs)
C600M-6	6	6	0.236	34	1.38	0.748	0.630	0.060	0.394	4	M5 x 16	3
C600M-7		7	0.276	40								
C600M-8		8	0.315	46								
C600M-9	9	9	0.354	64	1.54	0.906	0.787	0.060	0.512	5	M5 x 20	3
C600M-10		10	0.394	71								
C600M-11		11	0.433	78								
C600M-12	12	12	0.472	102	1.73	1.181	1.024	0.079	0.630	6	M5 x 25	3
C600M-13		13	0.512	111								
C600M-14		14	0.551	120								
C600M-15	15	15	0.591	158	2.047	1.339	1.181	0.079	0.827	3	M6 x 30	9
C600M-16		16	0.630	168								
C600M-17		17	0.669	179								
C600M-18		18	0.709	189								
C600M-19		19	0.748	200								
C600M-20	20	20	0.787	351	2.362	1.575	1.339	0.118	1.024	5	M6 x 35	9
C600M-22		22	0.866	386								
C600M-24		24	0.945	421								
C600M-25	25	25	0.984	614	2.598	1.732	1.496	0.118	1.260	7	M6 x 35	9
C600M-28		28	1.102	687								
C600M-29		29	1.142	712								
C600M-30	30	30	1.181	842	2.992	1.890	1.654	0.118	1.496	8	M6 x 40	9
C600M-32		32	1.260	898								
C600M-35		35	1.378	982								
C600M-36	40	36	1.417	1,697	3.780	2.205	1.969	0.118	1.850	7	M8 x 45	22
C600M-40		40	1.575	1,886								
C600M-44		44	1.732	2,074								
C600M-50	50	50	1.969	3,367	4.409	2.676	2.362	0.157	2.283	10	M8 x 50	22
C600M-51		51	2.008	3,434								
C600M-54		54	2.126	3,637								
C600M-55	60	55	2.165	4,445	4.724	3.071	2.756	0.157	2.598	12	M8 x 55	22
C600M-60		60	2.362	4,849								
C600M-63		63	2.480	5,091								
C600M-65	70	65	2.559	8,186	5.826	3.464	3.150	0.157	3.110	12	M10 x 65	44
C600M-68		68	2.677	8,564								
C600M-70		70	2.756	8,816								
C600M-73		73	2.874	9,194								
C600M-74	80	74	2.913	11,264	6.693	4.095	3.701	0.197	3.701	10	M12 x 80	74
C600M-76		76	2.992	11,569								
C600M-80		80	3.150	12,178								
C600M-85		85	3.346	12,939								
C600M-86	90	86	3.386	15,709	7.283	4.567	4.173	0.197	4.094	12	M12 x 80	74
C600M-90		90	3.543	16,440								
C600M-92		92	3.622	16,805								
C600M-96		96	3.780	17,536								
C600M-100	100	100	3.937	22,833	7.756	4.960	4.488	0.236	4.488	15	M12 x 90	74
C600M-106		106	4.173	24,203								
C600M-108		108	4.252	24,660								
C600M-110		110	4.331	25,116								
C600M-120	120	120	4.724	42,083	9.055	5.984	5.433	0.276	5.276	12	M16 x 110	184
C600M-130		130	5.118	45,590								
C600M-140	140	140	5.512	65,462	11.42	6.850	6.299	0.276	6.299	16	M16 x 120	184
C600M-150		150	5.906	70,138								

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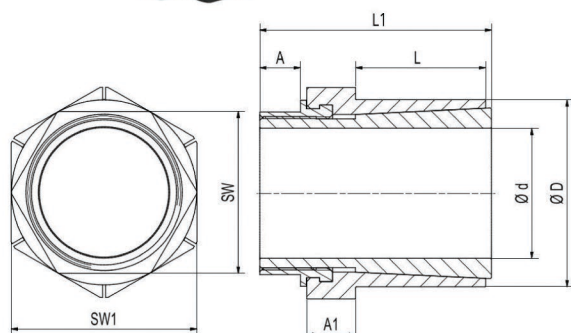


Series C801 Single Nut Locking Assembly

Climax C801 single nut locking assemblies deliver a mechanical interference fit and provide a high torque capacity without the backlash of traditional keyed connections.

Climax Series C801 Features:

- Single nut design allows for quick and simple installation
- Lower contact pressure
- Limited axial movement of mounted component during installation
- Zinc plated rings with a corrosion resistant nut
- Imperial shaft sizes 5/8" to 3" and metric sizes 15mm to 75mm
- Available from stock in Mentor, Ohio
- Shaft and bore tolerance on all sizes: $\pm .003$



INCHES														
Climax Part No.	Shaft Size (in)	d (in)	D (in)	L ₁ (in)	L (in)	SW (in)	SW1 (in)	A (in)	A1 (in)	M _a (ft-lb)	M _t (ft-lb)	F _{ax} (lb.F)	P _s (psi)	P _h (psi)
C801E-062	5/8	0.625	1.500	1.500	0.750	1.250	1.500	0.313	0.313	100	169	6,504	36,807	15,336
C801E-068	11/16	0.688	1.500	1.500	0.750	1.250	1.500	0.313	0.313	100	186	6,504	33,461	15,336
C801E-075	3/4	0.750	1.500	1.500	0.750	1.250	1.500	0.313	0.313	100	203	6,504	30,673	15,336
C801E-081	13/16	0.813	1.750	1.875	0.875	1.500	1.750	0.438	0.375	125	230	6,806	25,387	11,787
C801E-087	7/8	0.875	1.750	1.875	0.875	1.500	1.750	0.438	0.375	125	248	6,806	23,573	11,787
C801E-093	15/16	0.938	1.750	1.875	0.875	1.500	1.750	0.438	0.375	125	266	6,806	22,002	11,787
C801E-100	1	1.000	1.750	1.875	0.875	1.500	1.750	0.438	0.375	125	284	6,806	20,627	11,787
C801E-106	1 1/16	1.063	2.000	2.250	1.000	1.750	2.000	0.500	0.563	167	345	7,798	19,468	10,342
C801E-112	1 1/8	1.125	2.000	2.250	1.000	1.750	2.000	0.500	0.563	167	366	7,798	18,386	10,342
C801E-118	1 3/16	1.188	2.000	2.250	1.000	1.750	2.000	0.500	0.563	167	386	7,798	17,419	10,342
C801E-125	1 1/4	1.250	2.000	2.250	1.000	1.750	2.000	0.500	0.563	167	406	7,798	16,548	10,342
C801E-131	1 5/16	1.313	2.375	2.750	1.500	2.000	2.375	0.563	0.500	192	428	7,823	10,540	5,825
C801E-137	1 3/8	1.375	2.375	2.750	1.500	2.000	2.375	0.563	0.500	192	448	7,823	10,061	5,825
C801E-143	1 7/16	1.438	2.375	2.750	1.500	2.000	2.375	0.563	0.500	192	469	7,823	9,623	5,825
C801E-150	1 1/2	1.500	2.375	2.750	1.500	2.000	2.375	0.563	0.500	192	489	7,823	9,222	5,825
C801E-156	1 9/16	1.563	2.625	3.125	1.688	2.250	2.625	0.563	0.688	234	544	8,359	8,410	5,006
C801E-162	1 5/8	1.625	2.625	3.125	1.688	2.250	2.625	0.563	0.688	234	566	8,359	8,086	5,006
C801E-168	1 11/16	1.688	2.625	3.125	1.688	2.250	2.625	0.563	0.688	234	588	8,359	7,787	5,006
C801E-175	1 3/4	1.750	2.625	3.125	1.688	2.250	2.625	0.563	0.688	234	609	8,359	7,509	5,006
C801E-181	1 13/16	1.813	2.875	3.563	2.000	2.500	2.875	0.625	0.750	409	965	12,775	9,348	5,894
C801E-187	1 7/8	1.875	2.875	3.563	2.000	2.500	2.875	0.625	0.750	409	998	12,775	9,037	5,894
C801E-193	1 15/16	1.938	2.875	3.563	2.000	2.500	2.875	0.625	0.750	409	1,031	12,775	8,745	5,894
C801E-200	2	2.000	2.875	3.563	2.000	2.500	2.875	0.625	0.750	409	1,065	12,775	8,472	5,894
C801E-206	2 1/16	2.063	3.125	3.750	2.125	2.750	3.125	0.625	0.813	442	1,118	13,007	7,871	5,195
C801E-212	2 1/8	2.125	3.125	3.750	2.125	2.750	3.125	0.625	0.813	442	1,152	13,007	7,640	5,195
C801E-218	2 3/16	2.188	3.125	3.750	2.125	2.750	3.125	0.625	0.813	442	1,186	13,007	7,422	5,195
C801E-225	2 1/4	2.250	3.125	3.750	2.125	2.750	3.125	0.625	0.813	442	1,219	13,007	7,215	5,195
C801E-231	2 5/16	2.313	3.375	3.875	2.250	3.000	3.375	0.688	0.750	467	1,213	12,585	6,416	4,396
C801E-237	2 3/8	2.375	3.375	3.875	2.250	3.000	3.375	0.688	0.750	467	1,245	12,585	6,247	4,396
C801E-243	2 7/16	2.438	3.375	3.875	2.250	3.000	3.375	0.688	0.750	467	1,278	12,585	6,087	4,396
C801E-250	2 1/2	2.500	3.375	3.875	2.250	3.000	3.375	0.688	0.750	467	1,311	12,585	5,934	4,396
C801E-256	2 9/16	2.563	3.625	4.063	2.375	3.250	3.625	0.688	0.813	500	1,303	12,205	5,319	3,760
C801E-262	2 5/8	2.625	3.625	4.063	2.375	3.250	3.625	0.688	0.813	500	1,335	12,205	5,192	3,760
C801E-268	2 11/16	2.688	3.625	4.063	2.375	3.250	3.625	0.688	0.813	500	1,367	12,205	5,072	3,760
C801E-275	2 3/4	2.750	3.625	4.063	2.375	3.250	3.625	0.688	0.813	500	1,398	12,205	4,956	3,760
C801E-281	2 13/16	2.813	3.875	4.250	2.500	3.500	3.875	0.750	0.813	550	1,453	12,402	4,679	3,396
C801E-287	2 7/8	2.875	3.875	4.250	2.500	3.500	3.875	0.750	0.813	550	1,486	12,402	4,577	3,396
C801E-293	2 15/16	2.938	3.875	4.250	2.500	3.500	3.875	0.750	0.813	550	1,518	12,402	4,480	3,396
C801E-300	3	3.000	3.875	4.250	2.500	3.500	3.875	0.750	0.813	550	1,550	12,402	4,386	3,396

* All dimensions and capacities are subject to change without notice.

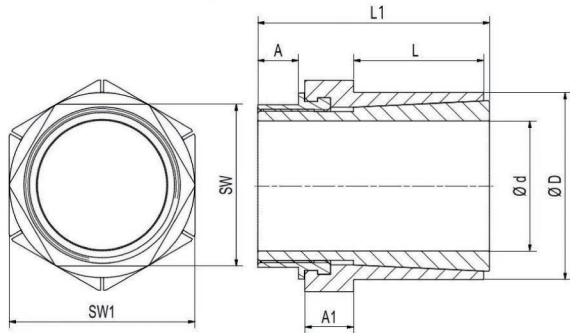


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- Imperial shaft sizes 5/8" to 3" and metric sizes 15mm to 75mm
- Available from stock in Mentor, Ohio
- Shaft and bore tolerance on all sizes: $\pm .003$



METRIC														
Climax Part No.	Shaft Size (mm)	d (in)	D (mm)	L ₁ (mm)	L (mm)	SW (mm)	SW1 (in)	A (mm)	A1 (mm)	M _a (Nm)	M _t (Nm)	F _{ax} (kN)	P _s (psi)	P _h (psi)
C801M-015	15	0.591	38	38.1	19.1	32	1.500	8	8.9	136	218	29	39,013	15,373
C801M-016	16	0.630	38	38.1	19.1	32	1.500	8	8.9	136	232	29	36,548	15,374
C801M-017	17	0.669	38	38.1	19.1	32	1.500	8	8.9	136	247	29	34,372	15,374
C801M-018	18	0.709	38	38.1	19.1	32	1.500	8	8.9	136	261	29	32,487	15,374
C801M-019	19	0.748	38	38.1	19.1	32	1.500	8	8.9	136	276	29	30,746	15,374
C801M-020	20	0.787	45	47.6	22.2	38	1.750	11.1	9.5	170	304	30	26,250	11,748
C801M-022	22	0.866	45	47.6	22.2	38	1.750	11.1	9.5	170	334	30	23,930	11,748
C801M-024	24	0.945	45	47.6	22.2	38	1.750	11.1	9.5	170	364	30	21,900	11,748
C801M-025	25	0.984	45	47.6	22.2	38	1.750	11.1	9.5	170	380	30	21,029	11,748
C801M-028	28	1.102	51	57.2	25.4	46	2.000	12.7	14.3	225	483	34	18,709	10,298
C801M-030	30	1.181	51	57.2	25.4	46	2.000	12.7	14.3	225	517	34	17,404	10,298
C801M-032	32	1.260	51	57.2	25.4	46	2.000	12.7	14.3	225	552	34	16,243	10,298
C801M-034	34	1.339	60.5	69.9	38.1	50	2.375	14.3	12.7	260	591	35	10,297	5,802
C801M-035	35	1.378	60.5	69.9	38.1	50	2.375	14.3	12.7	260	608	35	10,007	5,802
C801M-036	36	1.417	60.5	69.9	38.1	50	2.375	14.3	12.7	260	626	35	9,717	5,802
C801M-038	38	1.496	60.5	69.9	38.1	50	2.375	14.3	12.7	260	660	35	9,282	5,802
C801M-040	40	1.575	67	79.4	42.9	60	2.625	14.3	17.5	316	741	37	8,267	4,931
C801M-042	42	1.654	67	79.4	42.9	60	2.625	14.3	17.5	316	778	37	7,977	4,931
C801M-045	45	1.772	73	90.5	50.8	65	2.875	15.9	19.1	554	1,277	57	9,572	5,947
C801M-048	48	1.890	73	90.5	50.8	65	2.875	15.9	19.1	554	1,363	57	8,992	5,947
C801M-050	50	1.969	73	90.5	50.8	65	2.875	15.9	19.1	554	1,419	57	8,557	5,947
C801M-055	55	2.165	80	95.3	54	70	3.126	15.9	19.1	600	1,593	58	7,542	5,221
C801M-060	60	2.362	86	98.4	57.2	75	3.374	17.5	20.7	635	1,684	56	6,236	4,351
C801M-065	65	2.559	92	103.2	60.3	82	3.626	17.5	20.7	680	1,770	54	5,366	3,771
C801M-070	70	2.756	92	103.2	60.3	82	3.626	17.5	20.7	680	1,906	54	4,931	3,771
C801M-075	75	2.953	100	108.0	63.5	90	3.874	17.5	20.7	750	2,081	55	4,496	3,336

* All dimensions and capacities are subject to change without notice.