



**HOWMET  
AEROSPACE**

# Recoil® Product Conversions

January 2022



Note: Cross-references shown are for reference only, and not a statement of equivalency.  
Please consult with respective manufacturers to verify any questions on technical specifications.



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Recoil and Tangless Product Conversion Numbers for:  
Helicoil, CoilThread, Perm-A-Thread, Boeing, German Standard, British Standard,  
SAE, German Aerospace, Armstrong, Bollhoff, AGS3700, GE, NA/NAS

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# Free-Running - UNC

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	HELICOIL® PART NUMBER	COILTHREAD® PART NUMBER	PERM-A-THREAD PART NUMBER
2-56	1	0.086	<b>03522</b>	122095	1185-02CN-0086	TNC-02C-0086	208C02-0086
	1.5	0.129	<b>03523</b>	122135	1185-02CN-129	TNC-02C-129	208C02-129
	2	0.172	<b>03524</b>	122175	1185-02CN-172	TNC-02C-172	208C02-172
	2.5	0.215	<b>03525</b>	122215	1185-02CN-215	TNC-02C-215	208C02-215
	3	0.258	<b>03526</b>	122255	1185-02CN-258	TNC-02C-285	208C02-285
3-48	1	0.099	<b>03532</b>	122115	1185-031CN-0099	TNC-03C-0099	208C03-0099
	1.5	0.148	<b>03533</b>	122155	1185-031CN-148	TNC-03C-148	208C03-148
	2	0.198	<b>03534</b>	122195	1185-031CN-198	TNC-03C-198	208C03-198
	2.5	0.248	<b>03535</b>	122235	1185-031CN-248	TNC-03C-248	208C03-248
	3	0.297	<b>03536</b>	122275	1185-031CN-297	TNC-03C-297	208C03-297
4-40	1	0.112	<b>03542</b>	122076	1185-04CN-0112	TNC-04C-0112	208C04-0112
	1.5	0.168	<b>03543</b>	122116	1185-04CN-168	TNC-04C-168	208C04-168
	2	0.224	<b>03544</b>	122156	1185-04CN-224	TNC-04C-224	208C04-224
	2.5	0.28	<b>03545</b>	122196	1185-04CN-280	TNC-04C-280	208C04-280
	3	0.336	<b>03546</b>	122236	1185-04CN-336	TNC-04C-336	208C04-336
5-40	1	0.125	<b>03552</b>	122077	1185-05CN-0125	TNC-05C-0125	208C05-0125
	1.5	0.188	<b>03553</b>	122117	1185-05CN-188	TNC-05C-188	208C05-188
	2	0.25	<b>03554</b>	122157	1185-05CN-250	TNC-05C-250	208C05-250
	2.5	0.312	<b>03555</b>	122197	1185-05CN-312	TNC-05C-312	208C05-312
	3	0.375	<b>03556</b>	122237	1185-05CN-375	TNC-05C-375	208C05-375
6-32	1	0.138	<b>03562</b>	122078	1185-06CN-0138	TNC-06C-0138	208C06-0138
	1.5	0.207	<b>03563</b>	122118	1185-06CN-207	TNC-06C-207	208C06-207
	2	0.276	<b>03564</b>	122158	1185-06CN-276	TNC-06C-276	208C06-276
	2.5	0.345	<b>03565</b>	122198	1185-06CN-345	TNC-06C-345	208C06-345
	3	0.414	<b>03566</b>	122238	1185-06CN-414	TNC-06C-414	208C06-414
8-32	1	0.164	<b>03582</b>	122079	1185-2CN-0164	TNC-2C-0164	208C08-0164
	1.5	0.246	<b>03583</b>	122119	1185-2CN-246	TNC-2C-246	208C08-246
	2	0.328	<b>03584</b>	122159	1185-2CN-328	TNC-2C-328	208C08-328
	2.5	0.41	<b>03585</b>	122199	1185-2CN-410	TNC-2C-410	208C08-410
	3	0.492	<b>03586</b>	122239	1185-2CN-492	TNC-2C-492	208C08-492
10-24	1	0.19	<b>03602</b>	122080	1185-3CN-0190	TNC-3C-0190	208C1-0190
	1.5	0.285	<b>03603</b>	122120	1185-3CN-285	TNC-3C-285	208C1-285
	2	0.38	<b>03604</b>	122160	1185-3CN-380	TNC-3C-380	208C1-380
	2.5	0.475	<b>03605</b>	122200	1185-3CN-475	TNC-3C-475	208C1-475
	3	0.57	<b>03606</b>	122240	1185-3CN-570	TNC-3C-570	208C1-570
12-24	1	0.216	<b>03622</b>	-	1185-1CN-0216	TNC-1C-0216	208C2-0216
	1.5	0.324	<b>03623</b>	-	1185-1CN-324	TNC-1C-324	208C2-324
	2	0.432	<b>03624</b>	-	1185-1CN-432	TNC-1C-432	208C2-432
	2.5	0.54	<b>03625</b>	-	1185-1CN-540	TNC-1C-540	208C2-540
	3	0.648	<b>03626</b>	-	1185-1CN-648	TNC-1C-648	208C2-648
1/4-20	1	0.25	<b>03042</b>	122081	1185-4CN-0250	TNC-4C-0250	208C4-0250
	1.5	0.375	<b>03043</b>	122121	1185-4CN-375	TNC-4C-375	208C4-375
	2	0.5	<b>03044</b>	122161	1185-4CN-500	TNC-4C-500	208C4-500
	2.5	0.625	<b>03045</b>	122201	1185-4CN-625	TNC-4C-625	208C4-625
	3	0.75	<b>03046</b>	122241	1185-4CN-750	TNC-4C-750	208C4-750
5/16-18	1	0.312	<b>03052</b>	122082	1185-5CN-0312	TNC-5C-0312	208C5-0312
	1.5	0.469	<b>03053</b>	122122	1185-5CN-469	TNC-5C-469	208C5-469
	2	0.625	<b>03054</b>	122162	1185-5CN-625	TNC-5C-625	208C5-625
	2.5	0.781	<b>03055</b>	122202	1185-5CN-781	TNC-5C-781	208C5-781
	3	0.938	<b>03056</b>	122242	1185-5CN-938	TNC-5C-938	208C5-938
3/8-16	1	0.375	<b>03062</b>	122083	1185-6CN-0375	TNC-6C-0375	208C6-0375
	1.5	0.562	<b>03063</b>	122123	1185-6CN-562	TNC-6C-562	208C6-562
	2	0.75	<b>03064</b>	122163	1185-6CN-750	TNC-6C-750	208C6-750
	2.5	0.938	<b>03065</b>	122203	1185-6CN-938	TNC-6C-938	208C6-938
	3	1.125	<b>03066</b>	122243	1185-6CN-1125	TNC-6C-1125	208C6-1125

# Free-Running - UNC (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	HELICOIL® PART NUMBER	COILTHREAD® PART NUMBER	PERM-A-THREAD PART NUMBER
7/16-14	1	0.438	<b>03072</b>	122084	1185-7CN-0438	TNC-7C-0438	208C7-0438
	1.5	0.656	<b>03073</b>	122124	1185-7CN-656	TNC-7C-656	208C7-656
	2	0.875	<b>03074</b>	122164	1185-7CN-875	TNC-7C-872	208C7-872
	2.5	1.094	<b>03075</b>	122204	1185-7CN-1094	TNC-7C-1094	208C7-1094
	3	1.312	<b>03076</b>	122244	1185-7CN-1312	TNC-7C-1312	208C7-1312
1/2-13	1	0.5	<b>03082</b>	122085	1185-8CN-0500	TNC-8C-0500	208C8-0500
	1.5	0.75	<b>03083</b>	122125	1185-8CN-750	TNC-8C-750	208C8-750
	2	1	<b>03084</b>	122165	1185-8CN-1000	TNC-8C-1000	208C8-1000
	2.5	1.25	<b>03085</b>	122205	1185-8CN-1250	TNC-8C-1250	208C8-1250
	3	1.5	<b>03086</b>	122245	1185-8CN-1500	TNC-8C-1500	208C8-1500
9/16-12	1	0.562	<b>03092</b>	122086	1185-9CN-0562	TNC-9C-0562	208C9-0562
	1.5	0.844	<b>03093</b>	122126	1185-9CN-844	TNC-9C-844	208C9-844
	2	1.125	<b>03094</b>	122166	1185-9CN-1125	TNC-9C-1125	208C9-1125
	2.5	1.406	<b>03095</b>	122206	1185-9CN-1406	TNC-9C-1406	208C9-1406
	3	1.688	<b>03096</b>	122246	1185-9CN-1688	TNC-9C-1688	208C9-1688
5/8-11	1	0.625	<b>03102</b>	122087	1185-10CN-0625	TNC-10C-0625	208C10-0625
	1.5	0.938	<b>03103</b>	122127	1185-10CN-938	TNC-10C-938	208C10-938
	2	1.25	<b>03104</b>	122167	1185-10CN-1250	TNC-10C-1250	208C10-1250
	2.5	1.562	<b>03105</b>	122207	1185-10CN-1562	TNC-10C-1562	208C10-1562
	3	1.875	<b>03106</b>	122247	1185-10CN-1875	TNC-10C-1875	208C10-1875
3/4-10	1	0.75	<b>03122</b>	122088	1185-12CN-0750	TNC-12C-0750	208C12-0750
	1.5	1.25	<b>03123</b>	122128	1185-12CN-1125	TNC-12C-1125	208C12-1125
	2	1.5	<b>03124</b>	122168	1185-12CN-1500	TNC-12C-1500	208C12-1500
	2.5	1.875	<b>03125</b>	122208	1185-12CN-1875	TNC-12C-1875	208C12-1875
	3	2.25	<b>03126</b>	122248	1185-12CN-2250	TNC-12C-2250	208C12-2250
7/8-9	1	0.875	<b>03142</b>	122089	1185-14CN-0875	TNC-14C-0875	208C14-0875
	1.5	1.312	<b>03143</b>	122129	1185-14CN-1312	TNC-14C-1312	208C14-1312
	2	1.75	<b>03144</b>	122169	1185-14CN-1750	TNC-14C-1750	208C14-1750
	2.5	2.188	<b>03145</b>	122209	1185-14CN-2188	TNC-14C-2188	208C14-2188
	3	2.625	<b>03146</b>	122249	1185-14CN-2625	TNC-14C-2625	208C14-2625
1-8	1	1	<b>03162</b>	122090	1185-16CN-1000	TNC-16C-1000	208C16-1000
	1.5	1.5	<b>03163</b>	122130	1185-16CN-1500	TNC-16C-1500	208C16-1500
	2	2	<b>03164</b>	122170	1185-16CN-2000	TNC-16C-2000	208C16-2000
	2.5	2.5	<b>03165</b>	122210	1185-16CN-2500	TNC-16C-2500	208C16-2500
	3	3	<b>03166</b>	122250	1185-16CN-3000	TNC-16C-3000	208C16-3000
1 1/8-7	1	1.125	<b>03182</b>	122091	1185-18CN-1125	TNC-18C-1125	208C18-1125
	1.5	1.688	<b>03183</b>	122131	1185-18CN-1688	TNC-18C-1688	208C18-1688
	2	2.25	<b>03184</b>	122171	1185-18CN-2250	TNC-18C-2250	208C18-2250
	2.5	2.812	<b>03185</b>	122211	1185-18CN-2812	TNC-18C-2812	208C18-2812
	3	3.375	<b>03186</b>	122251	1185-18CN-3375	TNC-18C-3375	208C18-3375
1 1/4-7	1	1.25	<b>03202</b>	122092	1185-20CN-1250	TNC-20C-1250	208C20-1250
	1.5	1.875	<b>03203</b>	122132	1185-20CN-1875	TNC-20C-1875	208C20-1875
	2	2.5	<b>03204</b>	122172	1185-20CN-2500	TNC-20C-2500	208C20-2500
	2.5	3.125	<b>03205</b>	122212	1185-20CN-3125	TNC-20C-3125	208C20-3125
	3	3.75	<b>03206</b>	122252	1185-20CN-3750	TNC-20C-3750	208C20-3750
1 3/8-6	1	1.375	<b>03222</b>	122093	1185-22CN-1375	TNC-22C-1375	208C22-1375
	1.5	2.062	<b>03223</b>	122133	1185-22CN-2062	TNC-22C-2062	208C22-2062
	2	2.75	<b>03224</b>	122173	1185-22CN-2750	TNC-22C-2750	208C22-2750
	2.5	3.438	<b>03225</b>	122213	1185-22CN-3438	TNC-22C-3438	208C22-3438
	3	4.125	<b>03226</b>	122253	1185-22CN-4125	TNC-22C-4125	208C22-4125
1 1/2-6	1	1.5	<b>03242</b>	122094	1185-24CN-1500	TNC-24C-1500	208C24-1500
	1.5	2.25	<b>03243</b>	122134	1185-24CN-2250	TNC-24C-2250	208C24-2250
	2	3	<b>03244</b>	122174	1185-24CN-3000	TNC-24C-3000	208C24-3000
	2.5	3.75	<b>03245</b>	122214	1185-24CN-3750	TNC-24C-3750	208C24-3750
	3	4.5	<b>03246</b>	122254	1185-24CN-4500	TNC-24C-4500	208C24-4500

# Free-Running - UNF

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER RECOIL SPEC	RECOIL PART NUMBER MIL SPEC	ACTIVE M.S. PART NUMBER	HELICOIL® PART NUMBER	COILTHREAD® PART NUMBER	PERM-A-THREAD PART NUMBER
3-56	1	0.099	04532	04532MS124670	124670	1191-03CN-0099	TNF-03C-0099	-
	1.5	0.148	04533	04533MS124710	124710	1191-03CN-148	TNF-03C-148	-
	2	0.198	04534	04534MS124750	124750	1191-03CN-198	TNF-03C-198	-
	2.5	0.248	04535	04535MS124790	124790	1191-03CN-248	TNF-03C-248	-
	3	0.297	04536	04536MS124830	124830	1191-03CN-297	TNF-03C-297	-
4-48	1	0.112	04542	04542MS124671	124671	1191-04CN-0112	TNF-04C-0112	208F04-0112
	1.5	0.168	04543	04543MS124711	124711	1191-04CN-168	TNF-04C-168	208F04-168
	2	0.224	04544	04544MS124751	124751	1191-04CN-224	TNF-04C-224	208F04-224
	2.5	0.28	04545	04545MS124791	124791	1191-04CN-280	TNF-04C-280	208F04-280
	3	0.336	04546	04546MS124831	124831	1191-04CN-336	TNF-04C-336	208F04-336
6-40	1	0.138	04562	04562MS124653	124653	1191-06CN-0138	TNF-06C-0138	208F06-0138
	1.5	0.207	04563	04563MS124693	124693	1191-06CN-207	TNF-06C-207	208F06-207
	2	0.276	04564	04564MS124733	124733	1191-06CN-276	TNF-06C-276	208F06-276
	2.5	0.345	04565	04565MS124773	124773	1191-06CN-345	TNF-06C-345	208F06-345
	3	0.414	04566	04566MS124813	124813	1191-06CN-414	TNF-06C-414	208F06-414
8-36	1	0.164	04582	04581MS124654	124654	1191-2CN-0164	208F08-0164	208F08-0164
	1.5	0.246	04583	04583MS124694	124694	1191-2CN-246	208F08-246	208F08-246
	2	0.328	04584	04584MS124734	124734	1191-2CN-328	208F08-328	208F08-328
	2.5	0.41	04585	04585MS124774	124774	1191-2CN-410	208F08-410	208F08-410
	3	0.492	04586	04586MS124814	124814	1191-2CN-492	208F08-492	208F08-492
10-32	1	0.19	04602	04602MS124655	124655	1191-3CN-0190	208F1-0190	208F1-0190
	1.5	0.285	04603	04603MS124695	124695	1191-3CN-285	208F1-285	208F1-285
	2	0.38	04604	04604MS124735	124735	1191-3CN-380	208F1-380	208F1-380
	2.5	0.475	04605	04605MS124775	124775	1191-3CN-475	208F1-475	208F1-475
	3	0.57	04606	04606MS124815	124815	1191-3CN-570	208F1-570	208F1-570
1/4 - 28	1	0.25	04042	04042MS124656	124656	1191-4CN-0250	208F4-0250	208F4-0250
	1.5	0.375	04043	04043MS124696	124696	1191-4CN-375	208F4-375	208F4-375
	2	0.5	04044	04044MS124736	124736	1191-4CN-500	208F4-500	208F4-500
	2.5	0.625	04045	04045MS124776	124776	1191-4CN-625	208F4-625	208F4-625
	3	0.75	04046	04046MS124816	124816	1191-4CN-750	208F4-750	208F4-750
5/16-24	1	0.312	04052	04052MS124657	124657	1191-5CN-0312	208F5-0312	208F5-0312
	1.5	0.469	04053	04053MS124697	124697	1191-5CN-469	208F5-469	208F5-469
	2	0.625	04054	04054MS124737	124737	1191-5CN-625	208F5-625	208F5-625
	2.5	0.781	04055	04055MS124777	124777	1191-5CN-481	208F5-781	208F5-781
	3	0.938	04056	04056MS124817	124817	1191-5CN-938	208F5-938	208F5-938
3/8 - 24	1	0.375	04062	04062MS124658	124658	1191-6CN-0375	208F6-0375	208F6-0375
	1.5	0.562	04063	04063MS124698	124698	1191-6CN-562	208F6-562	208F6-562
	2	0.75	04064	04064MS124738	124738	1191-6CN-750	208F6-750	208F6-750
	2.5	0.938	04065	04065MS124778	124778	1191-6CN-938	208F6-938	208F6-938
	3	1.125	04066	04066MS124818	124818	1191-6CN-1125	208F6-1125	208F6-1125
7/16-20	1	0.438	04072	04072MS124659	124659	1191-7CN-0438	208F7-0438	208F7-0438
	1.5	0.656	04073	04073MS124699	124699	1191-7CN-656	208F7-656	208F7-656
	2	0.875	04074	04074MS124739	124739	1191-7CN-875	208F7-875	208F7-875
	2.5	1.094	04075	04075MS124779	124779	1191-7CN-1094	208F7-1094	208F7-1094
	3	1.312	04076	04076MS124819	124819	1191-7CN-1312	208F7-1312	208F7-1312
1/2-20	1	0.5	04082	04082MS124660	124660	1191-8CN-0500	208F8-0500	208F8-0500
	1.5	0.75	04083	04083MS124700	124700	1191-8CN-750	208F8-750	208F8-750
	2	1	04084	04084MS124740	124740	1191-8CN-1000	208F8-1000	208F8-1000
	2.5	1.25	04085	04085MS124780	124780	1191-8CN-1250	208F8-1250	208F8-1250
	3	1.5	04086	04086MS124820	124820	1191-8CN-1500	208F8-1500	208F8-1500

# Free-Running - UNF (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER RECOIL SPEC	RECOIL PART NUMBER MIL SPEC	ACTIVE M.S. PART NUMBER	HELICOIL® PART NUMBER	COILTHREAD® PART NUMBER	PERM-A-THREAD PART NUMBER
9/16-18	1	0.562	04092	04092MS124661	124661	1191-9CN-0562	208F9-0562	208F9-0562
	1.5	0.844	04093	04093MS124701	124701	1191-9CN-844	208F9-844	208F9-844
	2	1.125	04094	04094MS124741	124741	1191-9CN-1125	208F9-1125	208F9-1125
	2.5	1.406	04095	04095MS124781	124781	1191-9CN-1406	208F9-1406	208F9-1406
	3	1.688	04096	04096MS124821	124821	1191-9CN-1688	208F9-1688	208F9-1688
5/8-18	1	.625	04102	04102MS124662	124662	1191-10CN-0625	208F10-0625	208F10-0625
	1-1/2	.938	04103	04103MS124702	124702	1191-10CN-0938	208F10-0938	208F10-0938
	2	1.250	04104	04104MS124742	124742	1191-10CN-1250	208F10-1250	208F10-1250
	2-1/2	1.562	04105	04105MS124782	124782	1191-10CN-1562	208F10-1562	208F10-1562
	3	1.875	04106	04106MS124822	124822	1191-10CN-1875	208F10-1875	208F10-1875
3/4-16	1	.750	04122	04122MS124663	124663	1191-12CN-0750	208F12-0750	208F12-0750
	1-1/2	1.125	04123	04123MS124703	124703	1191-12CN-1125	208F12-1125	208F12-1125
	2	1.500	04124	04124MS124743	124743	1191-12CN-1500	208F12-1500	208F12-1500
	2-1/2	1.875	04125	04125MS124783	124783	1191-12CN-1875	208F12-1875	208F12-1875
	3	2.250	04126	04126MS124823	124823	1191-12CN-2250	208F12-2250	208F12-2250
7/8-14	1	.875	04142	04142MS124664	124664	1191-14CN-0875	208F14-0875	208F14-0875
	1-1/2	1.312	04143	04143MS124704	124704	1191-14CN-1312	208F14-1312	208F14-1312
	2	1.750	04144	04144MS124744	124744	1191-14CN-1750	208F14-1750	208F14-1750
	2-1/2	2.188	04145	04145MS124784	124784	1191-14CN-2188	208F14-2188	208F14-2188
	3	2.625	04146	04146MS124824	124824	1191-14CN-2625	208F14-2625	208F14-2625
1-12	1	1.000	04162	04162MS124651	124651	1191-16CN-1000	208F16-1000	208F16-1000
	1-1/2	1.500	04163	04163MS124691	124691	1191-16CN-1500	208F16-1500	208F16-1500
	2	2.000	04164	04164MS124731	124731	1191-16CN-2000	208F16-2000	208F16-2000
	2-1/2	2.500	04165	04165MS124771	124771	1191-16CN-2500	208F16-2500	208F16-2500
	3	3.000	04166	04166MS124811	124811	1191-16CN-3000	208F16-3000	208F16-3000
1-1/8-12	1	1.125	04182	04182MS124666	124666	1191-18CN-1125	208F18-1125	208F18-1125
	1-1/2	1.688	04183	04183MS124706	124706	1191-18CN-1688	208F18-1688	208F18-1688
	2	2.250	04184	04184MS124746	124746	1191-18CN-2250	208F18-2250	208F18-2250
	2-1/2	2.812	04185	04185MS124786	124786	1191-18CN-2812	208F18-2812	208F18-2812
	3	3.375	04186	04186MS124826	124826	1191-18CN-3375	208F18-3375	208F18-3375
1-1/4-12	1	1.250	04202	04202MS124667	124667	1191-20CN-1250	208F20-1250	208F20-1250
	1-1/2	1.875	04203	04203MS124707	124707	1191-20CN-1875	208F20-1875	208F20-1875
	2	2.500	04204	04204MS124747	124747	1191-20CN-2500	208F20-2500	208F20-2500
	2-1/2	3.125	04205	04250MS124787	124787	1191-20CN-3125	208F20-3125	208F20-3125
	3	3.750	04206	04206MS124827	124827	1191-20CN-3750	208F20-3750	208F20-3750
1-3/8-12	1	1.375	04222	04222MS124668	124668	1191-22CN-1375	208F22-1375	208F22-1375
	1-1/2	2.062	04223	04223MS124708	124708	1191-22CN-2062	208F22-2062	208F22-2062
	2	2.750	04224	04224MS124748	124748	1191-22CN-2750	208F22-2750	208F22-2750
	2-1/2	3.438	04225	04245MS124788	124788	1191-22CN-3438	208F22-3438	208F22-3438
	3	4.125	04226	04246MS124828	124828	1191-22CN-4125	208F22-4125	208F22-4125
1-1/2-12	1	1.500	04242	04242MS124669	124669	1191-24CN-1500	208F24-1500	208F24-1500
	1-1/2	2.250	04243	04243MS124709	124709	1191-24CN-2250	208F24-2250	208F24-2250
	2	3.000	04244	04244MS124749	124749	1191-24CN-3000	208F24-3000	208F24-3000
	2-1/2	3.750	04245	04245MS124789	124789	1191-24CN-3750	208F24-3750	208F24-3750
	3	4.500	04246	04246MS124829	124829	1191-24CN-4500	208F24-4500	208F24-4500

# Locking Series - UNC

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	BOEING BACI2AE PART NUMBER	HELICOIL® US PART NUMBER	PERM-A-THREAD PART NUMBER
2-56	1	.086	<b>13522</b>	21209-C0210	BACI12AE-C0210	3585-02CN-0086	209C02-0086
	1-1/2	.129	<b>13523</b>	21209-C0215	BACI12AE-C0215	3585-02CN-0129	209C02-0129
	2	.172	<b>13524</b>	21209-C0220	BACI12AE-C0220	3585-02CN-0172	209C02-0172
	2-1/2	.215	<b>13525</b>	21209-C0225	BACI12AE-C0225	3585-02CN-0215	209C02-0215
	3	.258	<b>13526</b>	21209-C0230	BACI12AE-C0230	3585-02CN-0258	209C02-0258
3-48	1	.099	<b>13532</b>	21209-C0310	BACI12AE-C0310	3585-031CN-0099	209C03-0099
	1-1/2	.148	<b>13533</b>	21209-C0315	BACI12AE-C0315	3585-031CN-0148	209C03-0148
	2	.198	<b>13534</b>	21209-C0320	BACI12AE-C0320	3585-031CN-0198	209C03-0198
	2-1/2	.248	<b>13535</b>	21209-C0325	BACI12AE-C0325	3585-031CN-0248	209C03-0248
	3	.297	<b>13536</b>	21209-C0330	BACI12AE-C0330	3585-031CN-0297	209C03-0297
4-40	1	.112	<b>13542</b>	21209-C0410	BACI12AE-C0410	3585-04CN-0112	209C04-0112
	1-1/2	.168	<b>13543</b>	21209-C0415	BACI12AE-C0415	3585-04CN-0168	209C04-0168
	2	.224	<b>13544</b>	21209-C0420	BACI12AE-C0420	3585-04CN-0224	209C04-0224
	2-1/2	.280	<b>13545</b>	21209-C0425	BACI12AE-C0425	3585-04CN-0280	209C04-0280
	3	.336	<b>13546</b>	21209-C0430	BACI12AE-C0430	3585-04CN-0336	209C04-0336
5-40	1	.125	<b>13552</b>	21209-C0510	BACI12AE-C0510	3585-05CN-0125	209C05-0125
	1-1/2	.188	<b>13553</b>	21209-C0515	BACI12AE-C0515	3585-05CN-0188	209C05-0188
	2	.250	<b>13554</b>	21209-C0520	BACI12AE-C0520	3585-05CN-0250	209C05-0250
	2-1/2	.312	<b>13555</b>	21209-C0525	BACI12AE-C0525	3585-05CN-0312	209C05-0312
	3	.375	<b>13556</b>	21209-C0530	BACI12AE-C0530	3585-05CN-0375	209C05-0375
6-32	1	.138	<b>13562</b>	21209-C0610	BACI12AE-C0610	3585-06CN-0138	209C06-0138
	1-1/2	.207	<b>13563</b>	21209-C0615	BACI12AE-C0615	3585-06CN-0207	209C06-0207
	2	.276	<b>13564</b>	21209-C0620	BACI12AE-C0620	3585-06CN-0276	209C06-0276
	2-1/2	.345	<b>13565</b>	21209-C0625	BACI12AE-C0625	3585-06CN-0345	209C06-0345
	3	.414	<b>13566</b>	21209-C0630	BACI12AE-C0630	3585-06CN-0414	209C06-0414
8-32	1	.164	<b>13582</b>	21209-C0810	BACI12AE-C0810	3585-2CN-0164	209C08-0164
	1-1/2	.246	<b>13583</b>	21209-C0815	BACI12AE-C0815	3585-2CN-0246	209C08-0246
	2	.328	<b>13584</b>	21209-C0820	BACI12AE-C0820	3585-2CN-0328	209C08-0328
	2-1/2	.410	<b>13585</b>	21209-C0825	BACI12AE-C0825	3585-2CN-0410	209C08-0410
	3	.492	<b>13586</b>	21209-C0830	BACI12AE-C0830	3585-2CN-0492	209C08-0492
10-24	1	.190	<b>13602</b>	21209-C1-10	BACI12AE-C1-10	3585-3CN-0190	209C1-0190
	1-1/2	.285	<b>13603</b>	21209-C1-15	BACI12AE-C1-15	3585-3CN-0285	209C1-0285
	2	.380	<b>13604</b>	21209-C1-20	BACI12AE-C1-20	3585-3CN-0380	209C1-0380
	2-1/2	.475	<b>13605</b>	21209-C1-25	BACI12AE-C1-25	3585-3CN-0475	209C1-0475
	3	.570	<b>13606</b>	21209-C1-30	BACI12AE-C1-30	3585-3CN-0570	209C1-0570
12-24	1	.216	<b>13622</b>	21209-C2-10	BACI12AE-C2-10	3585-1CN-0216	209C2-0216
	1-1/2	.324	<b>13623</b>	21209-C2-15	BACI12AE-C2-15	3585-1CN-0324	209C2-0324
	2	.432	<b>13624</b>	21209-C2-20	BACI12AE-C2-20	3585-1CN-0432	209C2-0432
	2-1/2	.540	<b>13625</b>	21209-C2-25	BACI12AE-C2-25	3585-1CN-0540	209C2-0540
	3	.648	<b>13626</b>	21209-C2-30	BACI12AE-C2-30	3585-1CN-0648	209C2-0648
1/4-20	1	.250	<b>13042</b>	21209-C4-10	BACI12AE-C4-10	2585-4CN-0250	209C4-0250
	1-1/2	.375	<b>13043</b>	21209-C4-15	BACI12AE-C4-15	2585-4CN-0375	209C4-0375
	2	.500	<b>13044</b>	21209-C4-20	BACI12AE-C4-20	2585-4CN-0500	209C4-0500
	2-1/2	.625	<b>13045</b>	21209-C4-25	BACI12AE-C4-25	2585-4CN-0625	209C4-0625
	3	.750	<b>13046</b>	21209-C4-30	BACI12AE-C4-30	2585-4CN-0750	209C4-0750
5/16-18	1	.312	<b>13052</b>	21209-C5-10	BACI12AE-C5-10	3585-5CN-0312	209C5-0312
	1-1/2	.469	<b>13053</b>	21209-C5-15	BACI12AE-C5-15	3585-5CN-0469	209C5-0469
	2	.625	<b>13054</b>	21209-C5-20	BACI12AE-C5-20	3585-5CN-0625	209C5-0625
	2-1/2	.781	<b>13055</b>	21209-C5-25	BACI12AE-C5-25	3585-5CN-0781	209C5-0781
	3	.938	<b>13056</b>	21209-C5-30	BACI12AE-C5-30	3585-5CN-0938	209C5-0938

# Locking Series - UNC (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	BOEING BAC12AE PART NUMBER	HELICOIL® US PART NUMBER	PERM-A-THREAD PART NUMBER
3/8-16	1	.375	<b>13062</b>	21209-C6-10	BAC12AE-C6-10	3585-6CN-0375	209C6-0375
	1-1/2	.562	<b>13063</b>	21209-C6-15	BAC12AE-C6-15	3585-6CN-0562	209C6-0562
	2	.750	<b>13064</b>	21209-C6-20	BAC12AE-C6-20	3585-6CN-0750	209C6-0750
	2-1/2	.938	<b>13065</b>	21209-C6-25	BAC12AE-C6-25	3585-6CN-0938	209C6-0938
	3	1.125	<b>13066</b>	21209-C6-30	BAC12AE-C6-30	3585-6CN-1125	209C6-1125
7/16-14	1	.438	<b>13072</b>	21209-C7-10	BAC12AE-C7-10	3585-7CN-0438	209C7-0438
	1-1/2	.656	<b>13073</b>	21209-C7-15	BAC12AE-C7-15	3585-7CN-0656	209C7-0656
	2	.875	<b>13074</b>	21209-C7-20	BAC12AE-C7-20	3585-7CN-0875	209C7-0875
	2-1/2	1.094	<b>13075</b>	21209-C7-25	BAC12AE-C7-25	3585-7CN-1094	209C7-1094
	3	1.312	<b>13076</b>	21209-C7-30	BAC12AE-C7-30	3585-7CN-1312	209C7-1312
1/2-13	1	.500	<b>13082</b>	21209-C8-10	BAC12AE-C8-10	3585-8CN-0500	209C8-0500
	1-1/2	.750	<b>13083</b>	21209-C8-15	BAC12AE-C8-15	3585-8CN-0750	209C8-0750
	2	1.000	<b>13084</b>	21209-C8-20	BAC12AE-C8-20	3585-8CN-1000	209C8-1000
	2-1/2	1.250	<b>13085</b>	21209-C8-25	BAC12AE-C8-25	3585-8CN-1250	209C8-1250
	3	1.500	<b>13086</b>	21209-C8-30	BAC12AE-C8-30	3585-8CN-1500	209C8-1500
9/16-12	1	.5621	<b>13092</b>	21209-C9-10	BAC12AE-C9-10	3585-9CN-0562	209C9-0562
	1-1/2	.844	<b>13093</b>	21209-C--15	BAC12AE-C--15	3585-9CN-0844	209C9-0844
	2	1.125	<b>13094</b>	21209-C9-20	BAC12AE-C9-20	3585-9CN-1125	209C9-1125
	2-1/2	1.406	<b>13095</b>	21209-C9-25	BAC12AE-C9-25	3585-9CN-1406	209C9-1406
	3	1.688	<b>13096</b>	21209-C9-30	BAC12AE-C9-30	3585-9CN-1688	209C9-1688
5/8-11	1	.625	<b>13102</b>	21209-C1010	BAC12AE-C1010	3585-10CN-0625	209C10-0625
	1-1/2	.938	<b>13103</b>	21209-C1015	BAC12AE-C1015	3585-10CN-0938	209C10-0938
	2	1.250	<b>13104</b>	21209-C1020	BAC12AE-C1020	3585-10CN-1250	209C10-1250
	2-1/2	1.562	<b>13105</b>	21209-C1025	BAC12AE-C1025	3585-10CN-1562	209C10-1562
	3	1.875	<b>13106</b>	21209-C1030	BAC12AE-C1030	3585-10CN-1875	209C10-1875
3/4-10	1	.750	<b>13122</b>	21209-C1210	BAC12AE-C1210	3585-12CN-0750	209C12-0750
	1-1/2	1.125	<b>13123</b>	21209-C1215	BAC12AE-C1215	3585-12CN-1125	209C12-1125
	2	1.500	<b>13124</b>	21209-C1220	BAC12AE-C1220	3585-12CN-1500	209C12-1500
	2-1/2	1.875	<b>13125</b>	21209-C1225	BAC12AE-C1225	3585-12CN-1875	209C12-1875
	3	2.250	<b>13126</b>	21209-C1230	BAC12AE-C1230	3585-12CN-2250	209C12-2250
7/8-9	1	.875	<b>13142</b>	21209-C1410	BAC12AE-C1410	3585-14CN-0875	209C14-0875
	1-1/2	1.312	<b>13143</b>	21209-C1415	BAC12AE-C1415	3585-14CN-1125	209C14-1312
	2	1.750	<b>13144</b>	21209-C1420	BAC12AE-C1420	3585-14CN-1500	209C14-1750
	2-1/2	2.188	<b>13145</b>	21209-C1425	BAC12AE-C1425	3585-14CN-1875	209C14-2188
	3	2.625	<b>13146</b>	21209-C1430	BAC12AE-C1430	3585-14CN-2250	209C14-2625
1-8	1	1.000	<b>13162</b>	21209-C1610	BAC12AE-C1610	3585-16CN-1000	209C16-1000
	1-1/2	1.500	<b>13163</b>	21209-C1615	BAC12AE-C1615	3585-16CN-1500	209C16-1500
	2	2.000	<b>13164</b>	21209-C1620	BAC12AE-C1620	3585-16CN-2000	209C16-2000
	2-1/2	2.500	<b>13165</b>	21209-C1625	BAC12AE-C1625	3585-16CN-2500	209C16-2500
	3	3.000	<b>13166</b>	21209-C1630	BAC12AE-C1630	3585-16CN-3000	209C16-3000
1-1/8-7	1	1.125	<b>13182</b>	21209-C1810	BAC12AE-C1810	3585-18CN-1125	209C18-1125
	1-1/2	1.688	<b>13183</b>	21209-C1815	BAC12AE-C1815	3585-18CN-1688	209C18 1688
	2	2.250	<b>13184</b>	21209-C1820	BAC12AE-C1820	3585-18CN-2250	209C18-2250
	2-1/2	2.812	<b>13185</b>	21209-C1825	BAC12AE-C1825	3585-18CN-2812	209C18-2812
	3	3.375	<b>13186</b>	21209-C1830	BAC12AE-C1830	3585-18CN-3375	209C18-3375
1-1/4-7	1	1.250	<b>13202</b>	21209-C2010	BAC12AE-C2010	3585-20CN-1250	209C20-1250
	1-1/2	1.875	<b>13203</b>	21209-C2015	BAC12AE-C2015	3585-20CN-1875	209C20-1875
	2	2.500	<b>13204</b>	21209-C2020	BAC12AE-C2020	3585-20CN-2500	209C20-2500
	2-1/2	3.125	<b>13205</b>	21209-C2025	BAC12AE-C2025	3585-20CN-3125	209C20-3125
	3	3.750	<b>13206</b>	21209-C2030	BAC12AE-C2030	3585-20CN-3750	209C20-3750



# Locking Series - UNC (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	BOEING BACI2AE PART NUMBER	HELICOIL® US PART NUMBER	PERM-A-THREAD PART NUMBER
1-3/8-6	1	1.375	<b>13222</b>	21209-C2210	BACI12AE-C2210	3585-22CN-1375	209C22-1375
	1-1/2	1.062	<b>13223</b>	21209-C2215	BACI12AE-C2215	3585-22CN-2062	209C22-2062
	2	2.750	<b>13224</b>	21209-C2220	BACI12AE-C2220	3585-22CN-2750	209C22-2750
	2-1/2	3.438	<b>13225</b>	21209-C2225	BACI12AE-C2225	3585-22CN-3438	209C22-3438
	3	4.125	<b>13226</b>	21209-C2230	BACI12AE-C2230	3585-22CN-4125	209C22-4125
1-1/2-6	1	1.500	<b>13242</b>	21209-C2410	BACI12AE-C2410	3585-24CN-1500	209C24-1500
	1-1/2	2.250	<b>13243</b>	21209-C2415	BACI12AE-C2415	3585-24CN-2250	209C24-2250
	2	3.000	<b>13244</b>	21209-C2420	BACI12AE-C2420	3585-24CN-3000	209C24-3000
	2-1/2	3.750	<b>13245</b>	21209-C2425	BACI12AE-C2425	3585-24CN-3750	209C24-3750
	3	4.500	<b>13246</b>	21209-C2430	BACI12AE-C2430	3585-24CN-4500	209C24-4500

# Locking Series - UNF

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	BOEING BACI2AE PART NUMBER	HELICOIL® US PART NUMBER	PERM-A-THREAD PART NUMBER
3-56	1	.099	<b>14532</b>	21209-F0310	BACI12AE-F0310	3591-03CN-0099	-
	1-1/2	.148	<b>14533</b>	21209-F0315	BACI12AE-F0315	3591-03CN-0148	-
	2	.198	<b>14534</b>	21209-F0320	BACI12AE-F0320	3591-03CN-0198	-
	2-1/2	.248	<b>14535</b>	21209-F0325	BACI12AE-F0325	3591-03CN-0248	-
	3	.297	<b>14536</b>	21209-F0330	BACI12AE-F0330	3591-03CN-0297	-
4-48	1	.112	<b>14542</b>	21209-F0410	BACI12AE-F0410	3591-041CN-0112	209F04-0112
	1-1/2	.168	<b>14543</b>	21209-F0415	BACI12AE-F0415	3591-041CN-0168	209F04-0168
	2	.224	<b>14544</b>	21209-F0420	BACI12AE-F0420	3591-041CN-0224	209F04-0224
	2-1/2	.280	<b>14545</b>	21209-F0425	BACI12AE-F0425	3591-041CN-0280	209F04-0280
	3	.336	<b>14546</b>	21209-F0430	BACI12AE-F0430	3591-041CN-0336	209F04-0336
6-40	1	.138	<b>14562</b>	21209-F0610	BACI12AE-F0610	3591-06CN-0138	209F06-0138
	1-1/2	.207	<b>14563</b>	21209-F0615	BACI12AE-F0615	3591-06CN-0207	209F06-0207
	2	.276	<b>14564</b>	21209-F0620	BACI12AE-F0620	3591-06CN-0276	209F06-0276
	2-1/2	.345	<b>14565</b>	21209-F0625	BACI12AE-F0625	3591-06CN-0345	209F06-0345
	3	.414	<b>14566</b>	21209-F0630	BACI12AE-F0630	3591-06CN-0414	209F06-0414
8-36	1	.164	<b>14582</b>	21209-F0810	BACI12AE-F0810	3591-2CN-0164	209F08-0164
	1-1/2	.246	<b>14583</b>	21209-F0815	BACI12AE-F0815	3591-2CN-0246	209F08-0246
	2	.328	<b>14584</b>	21209-F0820	BACI12AE-F0820	3591-2CN-0328	209F08-0328
	2-1/2	.410	<b>14585</b>	21209-F0825	BACI12AE-F0825	3591-2CN-0410	209F08-0410
	3	.492	<b>14586</b>	21209-F0830	BACI12AE-F0830	3591-2CN-0492	209F08-0492
10-32	1	.190	<b>14602</b>	21209-F1-10	BACI12AE-F1-10	3591-3CN-0190	209F1-0190
	1-1/2	.285	<b>14603</b>	21209-F1-15	BACI12AE-F1-15	3591-3CN-0285	209F1-0285
	2	.380	<b>14604</b>	21209-F1-20	BACI12AE-F1-20	3591-3CN-0380	209F1-0380
	2-1/2	.475	<b>14605</b>	21209-F1-25	BACI12AE-F1-25	3591-3CN-0475	209F1-0475
	3	.570	<b>14606</b>	21209-F1-30	BACI12AE-F1-30	3591-3CN-0570	209F1-0570
1/4-28	1	.250	<b>14042</b>	21209-F4-10	BACI12AE-F4-10	3591-4CN-0250	209F4-0250
	1-1/2	.375	<b>14043</b>	21209-F4-15	BACI12AE-F4-15	3591-4CN-0375	209F4-0375
	2	.500	<b>14044</b>	21209-F4-20	BACI12AE-F4-20	3591-4CN-0500	209F4-0500
	2-1/2	.625	<b>14045</b>	21209-F4-25	BACI12AE-F4-25	3591-4CN-0625	209F4-0625
	3	.750	<b>14046</b>	21209-F4-30	BACI12AE-F4-30	3591-4CN-0750	209F4-0750
5/16-24	1	.312	<b>14052</b>	21209-F5-10	BACI12AE-F5-10	3591-5CN-0312	209F5-0312
	1-1/2	.469	<b>14053</b>	21209-F5-15	BACI12AE-F5-15	3591-5CN-0469	209F5-0469
	2	.625	<b>14054</b>	21209-F5-20	BACI12AE-F5-20	3591-5CN-0625	209F5-0625
	2-1/2	.781	<b>14055</b>	21209-F5-25	BACI12AE-F5-25	3591-5CN-0781	209F5-0781
	3	.938	<b>14056</b>	21209-F5-30	BACI12AE-F5-30	3591-5CN-0938	209F5-0938
3/8-24	1	.375	<b>14062</b>	21209-F6-10	BACI12AE-F6-10	3591-6CN-0375	209F6-0375
	1-1/2	.562	<b>14063</b>	21209-F6-15	BACI12AE-F6-15	3591-6CN-0562	209F6-0562
	2	.750	<b>14064</b>	21209-F6-20	BACI12AE-F6-20	3591-6CN-0750	209F6-0750
	2-1/2	.938	<b>14065</b>	21209-F6-25	BACI12AE-F6-25	3591-6CN-0938	209F6-0938
	3	1.125	<b>14066</b>	21209-F6-30	BACI12AE-F6-30	3591-6CN-1125	209F6-1125
7/16-20	1	.438	<b>14702</b>	21209-F7-10	BACI12AE-F7-10	3591-7CN-0438	209F7-0438
	1-1/2	.656	<b>14073</b>	21209-F7-15	BACI12AE-F7-15	3591-7CN-0656	209F7-0656
	2	.875	<b>14074</b>	21209-F7-20	BACI12AE-F7-20	3591-7CN-0875	209F7-0875
	2-1/2	1.094	<b>14075</b>	21209-F7-25	BACI12AE-F7-25	3591-7CN-1094	209F7-1094
	3	1.312	<b>14076</b>	21209-F7-30	BACI12AE-F7-30	3591-7CN-1312	209F7-1312
1/2-20	1	.500	<b>14082</b>	21209-F8-10	BACI12AE-F8-10	3591-8CN-0500	209F8-0500
	1-1/2	.750	<b>14083</b>	21209-F8-15	BACI12AE-F8-15	3591-8CN-0750	209F8-0750
	2	1.000	<b>14084</b>	21209-F8-20	BACI12AE-F8-20	3591-8CN-1000	209F8-1000
	2-1/2	1.250	<b>14085</b>	21209-F8-25	BACI12AE-F8-25	3591-8CN-1250	209F8-1250
	3	1.500	<b>14086</b>	21209-F8-30	BACI12AE-F8-30	3591-8CN-1500	209F8-1500

# Locking Series - UNF (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL PART NUMBER	ACTIVE M.S. NUMBER	BOEING BACI2AE PART NUMBER	HELICOIL® US PART NUMBER	PERM-A-THREAD PART NUMBER
9/16-18	1	.562	<b>14092</b>	21209-F9-10	BACI12AE-F9-10	3591-9CN-0562	209F9-0562
	1-1/2	.844	<b>14093</b>	21209-F9-15	BACI12AE-F9-15	3591-9CN-0844	209F9-0844
	2	1.125	<b>14094</b>	21209-F9-20	BACI12AE-F9-20	3591-9CN-1125	209F9-1125
	2-1/2	1.406	<b>14095</b>	21209-F9-25	BACI12AE-F9-25	3591-9CN-1406	209F9-1406
	3	1.688	<b>14096</b>	21209-F9-30	BACI12AE-F9-30	3591-9CN-1688	209F9-1688
5/8-18	1	.625	<b>14102</b>	21209-F1010	BACI12AE-F1010	3591-10CN-0625	209F10-0625
	1-1/2	.938	<b>14103</b>	21209-F1015	BACI12AE-F1015	3591-10CN-0938	209F10-0938
	2	1.250	<b>10104</b>	21209-F1020	BACI12AE-F1020	3591-10CN-1250	209F10-1250
	2-1/2	1.562	<b>14105</b>	21209-F1025	BACI12AE-F1025	3591-10CN-1562	209F10-1562
	3	1.875	<b>14106</b>	21209-F1030	BACI12AE-F1030	3591-10CN-1875	209F10-1875
3/4-16	1	.750	<b>14122</b>	21209-F1210	BACI12AE-F1210	3591-12CN-0750	209F12-0750
	1-1/2	1.125	<b>14123</b>	21209-F1215	BACI12AE-F1215	3591-12CN-1125	209F12-1125
	2	1.500	<b>14124</b>	21209-F1220	BACI12AE-F1220	3591-12CN-1500	209F12-1500
	2-1/2	1.875	<b>14125</b>	21209-F1225	BACI12AE-F1225	3591-12CN-1875	209F12-1875
	3	2.250	<b>14126</b>	21209-F1230	BACI12AE-F1230	3591-12CN-2250	209F12-2250
7/8-14	1	.875	<b>14142</b>	21209-F1410	BACI12AE-F1410	3591-14CN-0875	209F14-0875
	1-1/2	1.132	<b>14143</b>	21209-F1415	BACI12AE-F1415	3591-14CN-1312	209F14-1312
	2	1.750	<b>14144</b>	21209-F1420	BACI12AE-F1420	3591-14CN-1750	209F14-1750
	2-1/2	2.188	<b>14145</b>	21209-F1425	BACI12AE-F1425	3591-14CN-2188	209F14-2188
	3	2.625	<b>14146</b>	21209-F1430	BACI12AE-F1430	3591-14CN-2625	209F14-2625
1-12	1	1.000	<b>14162</b>	21209-F1610	BACI12AE-F1610	3591-161CN-1000	209F16-1000
	1-1/2	1.500	<b>14163</b>	21209-F1615	BACI12AE-F1615	3591-161CN-0514	209F16-1500
	2	2.000	<b>14164</b>	21209-F1620	BACI12AE-F1620	3591-161CN-2000	209F16-2000
	2-1/2	2.500	<b>14165</b>	21209-F1625	BACI12AE-F1625	3591-161CN-2500	209F16-2500
	3	3.000	<b>14166</b>	21209-F1630	BACI12AE-F1630	3591-161CN-3000	209F16-3000
1-1/8-12	1	1.125	<b>14182</b>	21209-F1810	BACI12AE-F1810	3591-18CN-1125	3591F18-1125
	1-1/2	1.688	<b>14183</b>	21209-F1815	BACI12AE-F1815	3591-18CN-1688	3591F18-1688
	2	2.250	<b>14184</b>	21209-F1820	BACI12AE-F1820	3591-18CN-2250	3591F18-2250
	2-1/2	2.812	<b>14185</b>	21209-F1825	BACI12AE-F1825	3591-18CN-2812	3591F18-2812
	3	3.375	<b>14186</b>	21209-F1830	BACI12AE-F1830	3591-18CN-3375	3591F18-3375
1-1/4-12	1	1.250	<b>14202</b>	21209-F2010	BACI12AE-F2010	3591-20CN-1250	209F20-1250
	1-1/2	1.875	<b>14203</b>	21209-F2015	BACI12AE-F2015	3591-20CN-1875	209F20-1875
	2	2.500	<b>14204</b>	21209-F2020	BACI12AE-F2020	3591-20CN-2500	209F20-2500
	2-1/2	3.125	<b>14205</b>	21209-F2025	BACI12AE-F2025	3591-20CN-3125	209F20-3125
	3	3.750	<b>14206</b>	21209-F2030	BACI12AE-F2030	3591-20CN-3750	209F20-3750
1-3/8-12	1	1.375	<b>14222</b>	21209-F2210	BACI12AE-F2210	3591-22CN-1375	209F22-1275
	1-1/2	2.062	<b>14223</b>	21209-F2215	BACI12AE-F2215	3591-22CN-2062	209F22-2062
	2	2.750	<b>14224</b>	21209-F2220	BACI12AE-F2220	3591-22CN-2750	209F22-2750
	2-1/2	3.438	<b>14225</b>	21209-F2225	BACI12AE-F2225	3591-22CN-3438	209F22-3438
	3	4.125	<b>14226</b>	21209-F2230	BACI12AE-F2230	3591-22CN-4125	209F22-4125
1-12-12	1	1.500	<b>14242</b>	21209-F2410	BACI12AE-F2410	3591-24CN-1500	209F24-1500
	1-1/2	2.250	<b>14243</b>	21209-F2415	BACI12AE-F2415	3591-24CN-2250	209F24-2250
	2	3.000	<b>14244</b>	21209-F2420	BACI12AE-F2420	3591-24CN-3000	209F24-3000
	2-1/2	3.750	<b>14245</b>	21209-F2425	BACI12AE-F2425	3591-24CN-3750	209F24-3750
	3	4.500	<b>14246</b>	21209-F2430	BACI12AE-F2430	3591-24CN-4500	209F24-4500

# Locking Type Metric

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL MA PART NUMBER	GERMAN STD DIN 8140	BRITISH STANDARD	PAI
M2.2 x 0.45	1	2.2	15012	15012MA3329 100	DIN 8140 BM 2.2x2.2 A2	BS7751	
	1.5	3.3	15013	15013MA3329 150	DIN 8140 BM 2.2x3.3 A2	BS7751	
	2	4.4	15014	15014MA3329 200	DIN 8140 BM 2.2x4.4 A2	BS7751	
	2.5	5.5	15015	15015MA3329 250	DIN 8140 BM 2.2x5.5 A2	BS7751	
	3	6.6	15016	15016MA3329 300	DIN 8140 BM 2.2x6.6 A2	BS7751	
M2.5 x 0.45	1	2.5	15252	15252MA3329 101	DIN 8140 BM 2.5 x 2.0 A2	BS7751	
	1.5	3.8	15253	15253MA3329 151	DIN 8140 BM 2.5 x 3.75 A2	BS7751	
	2	5.0	15254	15254MA3329 201	DIN 8140 BM 2.5 x 5.0 A2	BS7751	
	2.5	6.3	15255	15255MA3329 251	DIN 8140 BM 2.5 x 6.25 A2	BS7751	
	3	7.5	15256	15256MA3329 301	DIN 8140 BM 2.5 x 7.5 A2	BS7751	
M3 x 0.5	1	3.0	15032	15032MA3329 102	DIN 8140 BM 3.0 x 3.0 A2	BS7751	
		3.75					
	1.5	4.5	15033	15033MA3329 152	DIN 8140 BM 3.0 x 4.5 A2	BS7751	
	2	6.0	15034	15034MA3329 202	DIN 8140 BM 3.0 x 6.0 A2	BS7751	
	2.5	7.5	15035	15035MA3329 252	DIN 8140 BM 3.0 x 7.5 A2	BS7751	
	3	9.0	15036	15036MA3329 302	DIN 8140 BM 3.0 x 9.0 A2	BS7751	
M3.5 x 0.6	1	3.5	15352	15352MA3329 103	DIN8140 BM 3.5 x 3.5 A2	BS7751	
	1.5	5.3	15353	15353MA3329 153	DIN8140 BM 3.5 x 5.25 A2	BS7751	
	2	7.0	15354	15354MA3329 203	DIN8140 BM 3.5 x 7.0 A2	BS7751	
	2.5	8.8	15355	15355MA3329 253	DIN8140 BM 3.5 x 8.75 A2	BS7751	
	3	10.5	15356	15356MA3329 303	DIN8140 BM 3.5 x 10.5 A2	BS7751	
M4 x 0.7	1	4.0	15042	15042MA3329 104	DIN 8140 BM 4.0 x 4.0 A2	BS7751	
		5.0					
	1.5	6.0	15043	15043MA3329 154	DIN 8140 BM 4.0 x 6.0 A2	BS7751	
	2	8.0	15044	15044MA3329 204	DIN 8140 BM 4.0 x 8.0 A2	BS7751	
	2.5	10.0	15045	15045MA3329 254	DIN 8140 BM 4.0 x 10.0 A2	BS7751	
	3	12.0	15046	15046MA3329 304	DIN 8140 BM 4.0 x 12.0 A2	BS7751	
M5 x 0.8	1	5.0	15052	15052MA3329 105	DIN 8140 BM 5.0 x 5.0 A2	BS7751	
		6.25					
	1.5	7.5	15053	15053MA3329 155	DIN 8140 BM 5.0 x 7.5 A2	BS7751	
	2	10.0	15054	15054MA3329 205	DIN 8140 BM 5.0 x 10.0 A2	BS7751	
	2.5	12.5	15055	15055MA3329 255	DIN 8140 BM 5.0 x 12.5 A2	BS7751	
M6 x 1	3	15.0	15056	15056MA3329 305	DIN 8140 BM 5.0 x 15.0 A2	BS7751	
	1	6.0	15062	15062MA3329 106	DIN 8140 BM 6.0 x 6.0 A2	BS7751	
	1.5	9.0	15063	15063MA3329 156	DIN 8140 BM 6.0 x 9.0 A2	BS7751	
	2	12.0	15064	15064MA3329 206	DIN 8140 BM 6.0 x 12.0 A2	BS7751	
	2.5	15.0	15065	15065MA3329 256	DIN 8140 BM 6.0 x 15.0 A2	BS7751	
	3	18.0	15066	15066MA3329 306	DIN 8140 BM 6.0 x 18.0 A2	BS7751	
M7 x 1	1	7.0	15072	15072MA3329 107	DIN 8140 BM 7.0 x 7.0 A2	BS7751	
	1.5	10.5	15073	15073MA3329 157	DIN 8140 BM 7.0 x 10.5 A2	BS7751	
	2	14.0	15074	15074MA3329 207	DIN 8140 BM 7.0 x 14.0 A2	BS7751	
	2.5	17.5	15075	15075MA3329 257	DIN 8140 BM 7.0 x 17.5 A2	BS7751	
	3	21.0	15076	15076MA3329 307	DIN 8140 BM 7.0 x 21.0 A2	BS7751	
M8 x 1	1	8.0	17082	17082MA3329 108	DIN 8140 BM 8.0 x 1.0 x 8.0 A2	BS7751	
	1.5	12.0	17083	17083MA3329 158	DIN 8140 BM 8.0 x 1.0 x 12.0 A2	BS7751	
	2	16.0	17084	17084MA3329 208	DIN 8140 BM 8.0 x 1.0 x 16.0 A2	BS7751	
	2.5	20.0	17085	17085MA3329 258	DIN 8140 BM 8.0 x 1.0 x 20.0 A2	BS7751	
	3	24.0	17086	17086MA3329 308	DIN 8140 BM 8.0 x 1.0 x 24.0 A2	BS7751	
M8 x 1.25	1	8.0	15082	15082MA3329 109	DIN 8140 BM 8.0 x 8.0 A2	BS7751	
		10.0					
	1.5	12.0	15083	15083MA3329 159	DIN 8140 BM 8.0 x 12.0 A2	BS7751	
	2	16.0	15084	15084MA3329 209	DIN 8140 BM 8.0 x 16.0 A2	BS7751	
	2.5	20.0	15085	15085MA3329 259	DIN 8140 BM 8.0 x 20.0 A2	BS7751	
	3	24.0	15086	15086MA3329 309	DIN 8140 BM 8.0 x 24.0 A2	BS7751	

SAE MA RT NUMBER (USA)	GERMAN AEROSPACE STD LN9499	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3329 100		4184 2.2CN 2.2			TLM 2.2 x 0.45 C 2.2
MA3329 150		4184 2.2CN 3.3	S1022CN 3.3		TLM 2.2 x 0.45 C 3.3
MA3329 200		4184 2.2CN 4.4	S1022CN 4.4		TLM 2.2 x 0.45 C 4.4
MA3329 250		4184 2.2CN 5.5	S1022CN 5.5		TLM 2.2 x 0.45 C 5.5
MA3329 300		4184 2.2CN 6.6	S1022CN 6.6		TLM 2.2 x 0.45 C 6.6
MA3329 101	LN 9499 00 025	4184 2.5CN 2.5	S1025CN 2.5	4132 025 0025	TLM 2.5 x 0.45 C 2.5
MA3329 151	LN 9499 00 037	4184 2.5CN 3.8	S1025CN 3.75	4132 025 0375	TLM 2.5 x 0.45 C 3.75
MA3329 201	LN 9499 00 050	4184 2.5CN 5.0	S1025CN 5.0	4132 025 0005	TLM 2.5 x 0.45 C 5.0
MA3329 251		4184 2.5CN 6.3	S1025CN 6.25	4132 025 0625	TLM 2.5 x 0.45 C 6.25
MA3329 301		4184 2.5CN 7.5	S1025CN 7.5		TLM 2.5 x 0.45 C 7.5
MA3329 102	LN 9499 01 030	4184 3CN 3.0	S103CNCN 3	4132 003 0003	TLM 3.0 x 0.5 C 3.0
				4132 003 0375	
MA3329 152	LN 9499 01 045	4184 3CN 4.5	S103CN 4.5	4132 003 0045	TLM 3.0 x 0.5 C 4.5
MA3329 202	LN 9499 01 060	4184 3CN 6.0	S103CN 6	4132 003 0006	TLM 3.0 x 0.5 C 6.0
MA3329 252		4184 3CN 7.5	S103CN 7.5	4132 003 0075	TLM 3.0 x 0.5 C 7.5
332 302		4184 3CN 9.0	S103CN 9	4132 003 0009	TLM 3.0 x 0.5 C 9.0
MA3329 103		4184 3.5CN 3.5	S1035CN 3.5		TLM 3.5 x 0.6 C 3.5
MA3329 153		4184 3.5CN 5.3	S1035CN 5.25		TLM 3.5 x 0.6 C 5.25
MA3329 203		4184 3.5CN 7.0	S1035CN 7		TLM 3.5 x 0.6 C 7.0
MA3329 253		4184 3.5CN 8.8	S1035CN 8.75		TLM 3.5 x 0.6 C 8.75
MA3329 303		4184 3.5CN 10.5	S1035CN 10.5		TLM 3.5 x 0.6 C 10.5
MA3329 104	LN 9499 02 040	4184 4CN 4.0	S104CN 4	4132 004 0004	TLM 4 x 0.7 C 4.0
				4132 004 0005	
MA3329 154	LN 9499 02 060	4184 4CN 6.0	S104CN 6	4132 004 0006	TLM 4 x 0.7 C 6.0
MA3329 204	LN 9499 02 080	4184 4CN 8.0	S104CN 8	4132 004 0008	TLM 4 x 0.7 C 8.0
MA3329 254	LN 9499 02 100	4184 4CN 10.0	S104CN 10	4132 004 0010	TLM 4 x 0.7 C 10.0
MA3329 304	LN 9499 02 120	4184 4CN 12.0	S104CN 12	4132 004 0012	TLM 4 x 0.7 C 12.0
MA3329 105	LN 9499 03 050	4184 5CN 5.0	S105CN 5	4132 005 0005	TLM 5.0 x 0.8 C 5.0
				4132 005 0625	
MA3329 155	LN 9499 03 075	4184 5CN 7.5	S105CN 7.5	4132 005 0075	TLM 5.0 x 0.8 C 7.5
MA3329 205	LN 9499 03 100	4184 5CN 10.0	S105CN 10	4132 005 0010	TLM 5.0 x 0.8 C 10.0
MA3329 255	LN 9499 03 125	4184 5CN 12.5	S105CN 12.5	4132 005 0125	TLM 5.0 x 0.8 C 12.5
MA3329 305	LN 9499 03 150	4184 5CN 15.0	S105CN 15	4132 005 0015	TLM 5.0 x 0.8 C 15.0
MA3329 106	LN 9499 04 060	4184 6CN 6.0	S106CN 6	4132 006 0006	TLM 6.0 x 1.0 C 6.0
MA3329 156	LN 9499 04 090	4184 6CN 9.0	S106CN 9	4132 006 0075	TLM 6.0 x 1.0 C 9.0
MA3329 206	LN 9499 04 120	4184 6CN 12.0	S106CN 12	4132 006 0012	TLM 6.0 x 1.0 C 12.0
MA3329 256	LN 9499 04 150	4184 6CN 15.0	S106CN 15	4132 006 0015	TLM 6.0 x 1.0 C 15.0
MA3329 306	LN 9499 04 180	4184 6CN 18.0	S106CN 18	4132 006 0018	TLM 6.0 x 1.0 C 18.0
MA3329 107	LN 9499 05 070	4184 7CN 7.0	S107CN 7	4132 007 0007	TLM 7.0 x 1.0 C 7.0
MA3329 157	LN 9499 05 105	4184 7CN 0.5	S107CN 10.5	4132 007 0105	TLM 7.0 x 1.0 C 10.5
MA3329 207	LN 9499 05 140	4184 7CN 14.0	S107CN 14	4132 007 0014	TLM 7.0 x 1.0 C 14.0
MA3329 257		4184 7CN 17.5	S107CN 17.5		TLM 7.0 x 1.0 C 17.5
MA3329 307		4184 7CN 21.0	S107CN 21		TLM 7.0 x 1.0 C 21.0
MA3329 108	LN 9499 06 080	5255 8CN 8.0	S408CN 8	4132 008 3008	TLM 8.0 x 1.0 C 8.0
MA3329 158	LN 9499 06 120	5255 8CN 12.0	S408CN 12	4132 008 3012	TLM 8.0 x 1.0 C 12.0
MA3329 208	LN 9499 06 160	5255 8CN 16.0	S408CN 16	4132 008 3016	TLM 8.0 x 1.0 C 16.0
MA3329 258		5255 8CN 20.0	S408CN 20	4132 008 3020	TLM 8.0 x 1.0 C 20.0
MA3329 308		5255 8CN 24.0	S408CN 24		TLM 8.0 x 1.0 C 24.0
MA3329 109	LN 9499 07 080	4184 8CN 8.0	S108CN 8	4132 008 0008	TLM 8.0 x 1.25 C 8.0
				4132 008 0010	
MA3329 159	LN 9499 07 120	4184 8CN 12.0	S108CN 12	4132 008 0012	TLM 8.0 x 1.25 C 12.0
MA3329 209	LN 9499 07 160	4184 8CN 16.0	S108CN 16	4132 008 0016	TLM 8.0 x 1.25 C 16.0
MA3329 259	LN 9499 07 200	4184 8CN 20.0	S108CN 20	4132 008 0020	TLM 8.0 x 1.25 C 20.0
MA3329 309	LN 9499 07 240	4184 8CN 24.0	S108CN 24	4132 008 0024	TLM 8.0 x 1.25 C 24.0

# Locking Type Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL MA PART NUMBER	GERMAN STD DIN 8140	BRITISH STANDARD	PAN
M10 x 1.25	1	10.0	<b>17102</b>	<b>17102MA3329 110</b>	DIN 8140 BM 10.0 x 1.25 x 10.0 A2	BS7751	
	1.5	15.0	<b>17103</b>	<b>17103MA3329 160</b>	DIN 8140 BM 10.0 x 1.25 x 15.0 A2	BS7751	
	2	20.0	<b>17104</b>	<b>17104MA3329 210</b>	DIN 8140 BM 10.0 x 1.25 x 20.0 A2	BS7751	
	2.5	25.0	<b>17105</b>	<b>17105MA3329 260</b>	DIN 8140 BM 10.0 x 1.25 x 25.0 A2	BS7751	
	3	30.0	<b>17106</b>	<b>17106MA3329 310</b>	DIN 8140 BM 10.0 x 1.25 x 30.0 A2	BS7751	
M10 x 1.5	1	10.0	<b>15102</b>	<b>1510MA3329 111</b>	DIN 8140 BM 10.0 x 10.0 A2	BS7751	
		12.5					
	1.5	15.0	<b>15103</b>	<b>15103MA3329 161</b>	DIN 8140 BM 10.0 x 15.0 A2	BS7751	
	2	20.0	<b>15104</b>	<b>15104MA3329 211</b>	DIN 8140 BM 10.0 x 20.0 A2	BS7751	
	2.5	25.0	<b>15105</b>	<b>15105MA3329 261</b>	DIN 8140 BM 10.0 x 25.0 A2	BS7751	
	3	30.0	<b>15106</b>	<b>15106MA3329 311</b>	DIN 8140 BM 10.0 x 30.0 A2	BS7751	
M12 x 1.25	1	12.0	<b>18122</b>	<b>18122MA3329 112</b>	DIN 8140 BM 12.0 x 1.25 x 12.0 A2	BS7751	
	1.5	18.0	<b>18123</b>	<b>18123MA3329 162</b>	DIN 8140 BM 12.0 x 1.25 x 17.0 A2	BS7751	
	2	24.0	<b>18124</b>	<b>18124MA3329 212</b>	DIN 8140 BM 12.0 x 1.25 x 24.0 A2	BS7751	
	2.5	30.0	<b>18125</b>	<b>18125MA3329 262</b>	DIN 8140 BM 12.0 x 1.25 x 30.0 A2	BS7751	
	3	36.0	<b>18126</b>	<b>18126MA3329 312</b>	DIN 8140 BM 12.0 x 1.25 x 36.0 A2	BS7751	
M12 x 1.5	1	12.0	<b>17122</b>	<b>17122MA3329 113</b>	DIN 8140 BM 12.0 x 1.5 x 12.0 A2		
	1.5	18.0	<b>17123</b>	<b>17123MA3329 163</b>	DIN 8140 BM 12.0 x 1.5 x 17.0 A2		
	2	24.0	<b>17124</b>	<b>17124MA3329 213</b>	DIN 8140 BM 12.0 x 1.5 x 24.0 A2		
	2.5	30.0	<b>17125</b>	<b>17125MA3329 263</b>	DIN 8140 BM 12.0 x 1.5 x 30.0 A2		
	3	36.0	<b>17126</b>	<b>17126MA3329 313</b>	DIN 8140 BM 12.0 x 1.5 x 36.0 A2		
M12 x 1.75		9.0					
	1	12.0	<b>15122</b>	<b>15122MA3329 114</b>	DIN 8140 BM12.0 x 12.0 A2	BS7751	
		15.0					
	1.5	18.0	<b>15123</b>	<b>15123MA3329 164</b>	DIN 8140 BM12.0 x 18.0 A2	BS7751	
	2	24.0	<b>15124</b>	<b>15124MA3329 214</b>	DIN 8140 BM12.0 x 24.0 A2	BS7751	
	2.5	30.0	<b>15125</b>	<b>15125MA3329 264</b>	DIN 8140 BM12.0 x 30.0 A2	BS7751	
	3	36.0	<b>15126</b>	<b>15126MA3329 314</b>	DIN 8140 BM12.0 x 36.0 A2	BS7751	
M14 x 1.5	1	14.0	<b>17142</b>	<b>17142MA3329 115</b>	DIN 8140 BM 14.0 x 1.5 x 14.0 A2	BS7751	
	1.5	21.0	<b>17143</b>	<b>17143MA3329 165</b>	DIN 8140 BM 14.0 x 1.5 x 21.0 A2	BS7751	
	2	28.0	<b>17144</b>	<b>17144MA3329 215</b>	DIN 8140 BM 14.0 x 1.5 x 28.0 A2	BS7751	
	2.5	35.0	<b>17145</b>	<b>17145MA3329 265</b>	DIN 8140 BM 14.0 x 1.5 x 35.0 A2	BS7751	
	3	42.0	<b>17146</b>	<b>17146MA3329 315</b>	DIN 8140 BM 14.0 x 1.5 x 42.0 A2	BS7751	
M14 x 2	1	14.0	<b>15142</b>	<b>15142MA3329 116</b>	DIN 8140 BM 14.0 x 14.0 A2	BS7751	
	1.5	21.0	<b>15143</b>	<b>15143MA3329 166</b>	DIN 8140 BM 14.0 x 21.0 A2	BS7751	
	2	28.0	<b>15144</b>	<b>15144MA3329 216</b>	DIN 8140 BM 14.0 x 28.0 A2	BS7751	
	2.5	35.0	<b>15145</b>	<b>15145MA3329 266</b>	DIN 8140 BM 14.0 x 35.0 A2	BS7751	
	3	42.0	<b>15146</b>	<b>15146MA3329 316</b>	DIN 8140 BM 14.0 x 42.0 A2	BS7751	
M16 x 1.5	1	16.0	<b>17162</b>	<b>17162MA3329 117</b>	DIN 8140 BM 16.0 x 1.5 x 16.0 A2	BS7751	
	1.5	24.0	<b>17163</b>	<b>17163MA3329 167</b>	DIN 8140 BM 16.0 x 1.5 x 24.0 A2	BS7751	
	2	32.0	<b>17164</b>	<b>17164MA3329 217</b>	DIN 8140 BM 16.0 x 1.5 x 32.0 A2	BS7751	
	2.5	40.0	<b>17165</b>	<b>17165MA3329 267</b>	DIN 8140 BM 16.0 x 1.5 x 40.0 A2	BS7751	
	3	48.0	<b>17166</b>	<b>17166MA3329 317</b>	DIN 8140 BM 16.0 x 1.5 x 48.0 A2	BS7751	
M16 x 2.0		12.0					
	1	16.0	<b>15162</b>	<b>15162MA3329 118</b>	DIN 8140 BM 16.0 x 16.0 A2	BS7751	
		20.0					
	1.5	24.0	<b>15163</b>	<b>15163MA3329 168</b>	DIN 8140 BM 16.0 x 24.0 A2	BS7751	
	2	32.0	<b>15164</b>	<b>15164MA3329 218</b>	DIN 8140 BM 16.0 x 32.0 A2	BS7751	
	2.5	40.0	<b>15165</b>	<b>15165MA3329 268</b>	DIN 8140 BM 16.0 x 40.0 A2	BS7751	
	3	48.0			DIN 8140 BM 16.0 x 48.0 A2	BS7751	

SAE MA RT NUMBER (USA)	GERMAN AEROSPACE STD LN9499	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3329 110	LN 9499 09 100	5649 10CN 10.0	S510CN 10		TLM 10.0 x 1.25 C 10.0
MA3329 160	LN 9499 09 150	5649 10CN 15.0	S510CN 15		TLM 10.0 x 1.25 C 15.0
MA3329 210	LN 9499 09 200	5649 10CN 20.0	S510CN 20		TLM 10.0 x 1.25 C 20.0
332 260		5649 10CN 25.0	S510CN 25		TLM 10.0 x 1.25 C 25.0
MA3329 310		5649 10CN 30.0	S510CN 25		TLM 10.0 x 1.25 C 30.0
MA3329 111	LN 9499 10 100	4184 10CN 10.0	S110CN 10	4132 010 0010	TLM 10.0 x 1.5 C 10.0
				4132 010 0125	
MA3329 161	LN 9499 10 150	4184 10CN 15.0	S110CN 15	4132 010 0015	TLM 10.0 x 1.5 C 15.0
MA3329 211	LN 9499 10 200	4184 10CN 20.0	S110CN 20	4132 010 0020	TLM 10.0 x 1.5 C 20.0
MA3329 261	LN 9499 10 250	4184 10CN 25.0	S110CN 25	4132 010 0025	TLM 10.0 x 1.5 C 25.0
MA3329 311	LN 9499 10 300	4184 10CN 30.0	S110CN 30	4132 010 0030	TLM 10.0 x 1.5 C 30.0
MA3329 112	LN 9499 11 120	5649 12CN 12.0	S512CN 12		TLM 12.0 x 1.25 C 12.0
MA3329 162	LN 9499 11 180	5649 12CN 18.0	S512CN 18		TLM 12.0 x 1.25 C 18.0
MA3329 212	LN 9499 11 240	5649 12CN 24.0	S512CN 24		TLM 12.0 x 1.25 C 24.0
MA3329 262		5649 12CN 30.0	S512CN 30		TLM 12.0 x 1.25 C 30.0
MA3329 312		5649 12CN 36.0	S512CN 36		TLM 12.0 x 1.25 C 36.0
MA3329 113	LN 9499 12 120	5145 12CN 12.0		4132 012 4012	TM 12.0 x 1.5 C 12.0
MA3329 163	LN 9499 12 180	5145 12CN 18.0		4132 012 4018	TM 12.0 x 1.5 C 18.0
MA3329 213	LN 9499 12 240	5145 12CN 24.0		4132 012 4024	TM 12.0 x 1.5 C 24.0
MA3329 263	LN 9499 12 300	5145 12CN 30.0			TM 12.0 x 1.5 C 30.
MA3329 313	LN 9499 12 360	5145 12CN 36.0			TM 12.0 x 1.5 C 36.0
				4132 012 0009	
MA3329 114	LN 9499 13 120	4184 12CN 12.0	S112CN 12	4132 012 0012	TLM 12.0 x 1.75 C 12.0
				4132 012 0015	
MA3329 164	LN 9499 13 180	4184 12CN 18.0	S112CN 18	4132 012 0018	TLM 12.0 x 1.75 C 18.0
MA3329 214	LN 9499 13 240	4184 12CN 24.0	S112CN 24	4132 012 0024	TLM 12.0 x 1.75 C 24.0
MA3329 264		4184 12CN 30.0	S112CN 30	4132 012 0030	TLM 12.0 x 1.75 C 30.0
MA3329 314		4184 12CN 36.0	S112CN 36		TLM 12.0 x 1.75 C 36.0
MA3329 115	LN 9499 14 140	5145 14CN 14.0	S414CN 14	4132 014 4014	TLM 14.0 x 1.5 C 14.0
MA3329 165	LN 9499 14 210	5145 14CN 21.0	S414CN 21	4132 014 4021	TLM 14.0 x 1.5 C 21.0
MA3329 215	LN 9499 14 280	5145 14CN 28.0	S414CN 28	4132 014 4028	TLM 14.0 x 1.5 C 28.0
MA3329 265	LN 9499 14 350	5145 14CN 35.0	S414CN 35		TLM 14.0 x 1.5 C 35.0
MA3329 315	LN 9499 14 420	5145 14CN 42.0	S414CN 42		TLM 14.0 x 1.5 C 42.0
MA3329 116	LN 9499 15 140	4184 14CN 14.0	S114CN 14	4132 014 0014	TLM 14.0 x 2.0 C 14.0
MA3329 166	LN 9499 15 210	4184 14CN 21.0	S114CN 21	4132 014 0021	TLM 14.0 x 2.0 C 21.0
MA3329 216	LN 9499 15 280	4184 14CN 28.0	S114CN 28	4132 014 0028	TLM 14.0 x 2.0 C 28.0
MA3329 266		4184 14CN 35.0	S114CN 35		TLM 14.0 x 2.0 C 35.0
MA3329 316		4184 14CN 42.0	S114CN 42		TLM 14.0 x 2.0 C 42.0
MA3329 117	LN 9499 16 160	5145 16CN 16.0	S416CN 16	4132 016 4016	TLM 16.0 x 1.5 C 16.0
MA3329 167	LN 9499 16 240	5145 16CN 24.0	S416CN 24	4132 016 4024	TLM 16.0 x 1.5 C 24.0
MA3329 217	LN 9499 16 320	5145 16CN 32.0	S416CN 32	4132 016 4032	TLM 16.0 x 1.5 C 32.0
MA3329 267	LN 9499 16 400	5145 16CN 40.0	S416CN 40	4132 016 4040	TLM 16.0 x 1.5 C 40.0
MA3329 317	LN 9499 16 480	5145 16CN 48.0	S416CN 48		TLM 16.0 x 1.5 C 48.0
				4132 016 0012	
MA3329 118	LN 9499 17 160	4184 16CN 16	S116CN 16	4132 016 0016	TLM 16 x 2.0 C 14.0
				4132 016 0020	
MA3329 168	LN 9499 17 240	4184 16CN 24	S116CN 24	4132 016 0024	TLM 16 x 2.0 C 24.0
MA3329 218	LN 9499 17 320	4184 16CN 32	S116CN 32	4132 016 0032	TLM 16 x 2.0 C 32.0
MA3329 268		4184 16CN 40	S116CN 40	4132 016 0040	TLM 16 x 2.0 C 40.0
MA3329 318		4184 16CN 48	S116CN 48		TLM 16 x 2.0 C 48.0

# Locking Type Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL MA PART NUMBER	GERMAN STD DIN 8140	BRITISH STANDARD	PAN
M18 x 1.5		9.0					
	1	18.0	<b>18182</b>	<b>18182MA3329 119</b>	DIN 8140 BM 18.0 x 1.5 x 18.0 A2	BS7751	
	1.5	27.0	<b>18183</b>	<b>18183MA3329 169</b>	DIN 8140 BM 18.0 x 1.5 x 27.0 A2	BS7751	
	2	36.0	<b>18184</b>	<b>18184MA3329 219</b>	DIN 8140 BM 18.0 x 1.5 x 36.0 A2	BS7751	
	2.5	45.0	<b>18185</b>	<b>18185MA3329 269</b>	DIN 8140 BM 18.0 x 1.5 x 45.0 A2	BS7751	
M18 x 2	3	54.0	<b>18186</b>	<b>18186MA3329 319</b>	DIN 8140 BM 18.0 x 1.5 x 54.0 A2	BS7751	
	1	18.0	<b>17182</b>	<b>17182MA3329 120</b>	DIN 8140 BM 18.0 x 2.0 x 18.0 A2		
	1.5	27.0	<b>17183</b>	<b>17183MA3329 170</b>	DIN 8140 BM 18.0 x 2.0 x 27.0 A2		
	2	36.0	<b>17184</b>	<b>17184MA3329 220</b>	DIN 8140 BM 18.0 x 2.0 x 36.0 A2		
	2.5	45.0	<b>17185</b>	<b>17185MA3329 270</b>	DIN 8140 BM 18.0 x 2.0 x 45.0 A2		
M18 x 2.5	3	54.0	<b>17186</b>	<b>17186MA3329 320</b>	DIN 8140 BM 18.0 x 2.0 x 54.0 A2		
	1	18.0	<b>15182</b>	<b>15182MA3329 121</b>	DIN 8140 BM 18.0 x 18.0 A2	BS7751	
	1.5	27.0	<b>15183</b>	<b>15183MA3329 171</b>	DIN 8140 BM 18.0 x 27.0 A2	BS7751	
	2	36.0	<b>15184</b>	<b>15184MA3329 221</b>	DIN 8140 BM 18.0 x 36.0 A2	BS7751	
	2.5	45.0	<b>15185</b>	<b>15185MA3329 271</b>	DIN 8140 BM 18.0 x 45.0 A2	BS7751	
M20 x 1.5	3	54.0	<b>15186</b>	<b>15186MA3329 321</b>	DIN 8140 BM 18.0 x 54.0 A2	BS7751	
		10.0					
		15.0					
	1	20.0	<b>18202</b>	<b>18202MA3329 122</b>	DIN 8140 BM 20.0 x 1.5 x 20.0 A2	BS7751	
	1.5	30.0	<b>18203</b>	<b>18203MA3329 172</b>	DIN 8140 BM 20.0 x 1.5 x 30.0 A2	BS7751	
	2	40.0	<b>18204</b>	<b>18204MA3329 222</b>	DIN 8140 BM 20.0 x 1.5 x 40.0 A2	BS7751	
M20 x 2	2.5	50.0	<b>18205</b>	<b>18205MA3329 272</b>	DIN 8140 BM 20.0 x 1.5 x 50.0 A2	BS7751	
	3	60.0	<b>18206</b>	<b>18206MA3329 322</b>	DIN 8140 BM 20.0 x 1.5 x 60.0 A2	BS7751	
	1	20.0	<b>17202</b>	<b>17202MA3329 123</b>	DIN 8140 BM 20.0 x 2.0 x 20.0 A2		
	1.5	30.0	<b>17203</b>	<b>17203MA3329 173</b>	DIN 8140 BM 20.0 x 2.0 x 30.0 A2		
	2	40.0	<b>17204</b>	<b>17204MA3329 223</b>	DIN 8140 BM 20.0 x 2.0 x 40.0 A2		
M20 x 2.5	2.5	50.0	<b>17205</b>	<b>17205MA3329 273</b>	DIN 8140 BM 20.0 x 2.0 x 50.0 A2		
	3	60.0	<b>17206</b>	<b>17206MA3329 323</b>	DIN 8140 BM 20.0 x 2.0 x 60.0 A2		
	1	20.0	<b>15202</b>	<b>15202MA3329 124</b>	DIN 8140 BM 20.0 x 20.0 A2	BS7751	
		0.25					
	1.5	30.0	<b>15203</b>	<b>15203MA3329 174</b>	DIN 8140 BM 20.0 x 30.0 A2	BS7751	
M22 x 1.5	2	40.0	<b>15204</b>	<b>15204MA3329 224</b>	DIN 8140 BM 20.0 x 40.0 A2	BS7751	
	2.5	50.0	<b>15205</b>	<b>15205MA3329 274</b>	DIN 8140 BM 20.0 x 50.0 A2	BS7751	
	3	60.0	<b>15206</b>	<b>15206MA3329 324</b>	DIN 8140 BM 20.0 x 60.0 A2	BS7751	
	1	22.0	<b>18222</b>	<b>18222MA3329 125</b>	DIN 8140 BM 22.0 x 1.5 x 22.0 A2	BS7751	
	1.5	33.0	<b>18223</b>	<b>18223MA3329 175</b>	DIN 8140 BM 22.0 x 1.5 x 33.0 A2	BS7751	
M22 x 2	2	44.0	<b>18224</b>	<b>18224MA3329 225</b>	DIN 8140 BM 22.0 x 1.5 x 44.0 A2	BS7751	
	2.5	55.0	<b>18225</b>	<b>18225MA3329 275</b>	DIN 8140 BM 22.0 x 1.5 x 55.0 A2	BS7751	
	3	66.0	<b>18226</b>	<b>18226MA3329 325</b>	DIN 8140 BM 22.0 x 1.5 x 66.0 A2	BS7751	
	1	22.0	<b>17222</b>	<b>17222MA3329 126</b>	DIN 8140 BM 22.0 x 2.0 x 22.0 A2		
	1.5	33.0	<b>17223</b>	<b>17223MA3329 176</b>	DIN 8140 BM 22.0 x 2.0 x 33.0 A2		
M22 x 2.5	2	44.0	<b>17224</b>	<b>17224MA3329 226</b>	DIN 8140 BM 22.0 x 2.0 x 44.0 A2		
	2.5	55.0	<b>17225</b>	<b>17225MA3329 276</b>	DIN 8140 BM 22.0 x 2.0 x 55.0 A2		
	3	66.0	<b>17226</b>	<b>17226MA3329 326</b>	DIN 8140 BM 22.0 x 2.0 x 66.0 A2		
	1	22.0	<b>15222</b>	<b>15222MA3329 127</b>	DIN 8140 BM 22.0 x 22.0 A2	BS7751	
	1.5	33.0	<b>15223</b>	<b>15223MA3329 177</b>	DIN 8140 BM 22.0 x 33.0 A2	BS7751	



SAE MA RT NUMER (USA)	GERMAN AEROSPACE STD LN9499	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF PART NUMBER	COILTHREAD® (KATO) PART NUMBER
				4132 018 4009	
MA3329 119	LN 9499 18.0 180	5145 18CN 18.0	S418CN 18	4132 018 4018	TLM 18.0 x 1.5 C 16.0
MA3329 169	LN 9499 18.0 270	5145 18CN 27.0	S418CN 27	4132 018 4027	TLM 18.0 x 1.5 C 27.0
MA3329 219	LN 9499 18.0 360	5145 18CN 36.0	S418CN 36		TLM 18.0 x 1.5 C 36.0
MA3329 269	LN 9499 18.0 450	5145 18CN 45.0	S418CN 45		TLM 18.0 x 1.5 C 45.0
MA3329 319	LN 9499 18.0 540	5145 18CN 54.0	S418CN 54		TLM 18.0 x 1.5 C 54.0
MA3329 120	LN 9499 19.0 180	5266 18CN 18.0	S218CN 18	4132 018 5018	TLM 18.0 x 2.0 C 18.0
MA3329 170	LN 9499 19.0 270	5145 18CN 27.0	S218CN 27		TLM 18.0 x 2.0 C 27.0
MA3329 220	LN 9499 19.0 360	5145 18CN 36.0	S218CN 36		TLM 18.0 x 2.0 C 36.0
MA3329 270		5145 18CN 45.0	S218CN 45		TLM 18.0 x 2.0 C 45.0
MA3329 320		5145 18CN 54.0	S218CN 54		TLM 18.0 x 2.0 C 54.0
MA3329 121	LN 9499 20 180	4184 18CN 18.0	S118CN 18		TLM 18.0 x 2.5 C 18.0
MA3329 171	LN 9499 20 270	4184 18CN 27.0	S118CN 27	4132 018 0027	TLM 18.0 x 2.5 C 27.0
MA3329 221	LN 9499 20 360	4184 18CN 36.0	S118CN 36	4132 018 0036	TLM 18.0 x 2.5 C 36.0
MA3329 271	LN 9499 20 450	4184 18CN 45.0	S118CN 45		TLM 18.0 x 2.5 C 4530
MA3329 321	LN 9499 20 540	4184 18CN 54.0	S118CN 54		TLM 18.0 x 2.5 C 54.0
				4132 020 4010	
				4132 020 4015	
MA3329 122	LN 9499 21 200	5145 20CN 20.0	S420CN 20	4132 020 4020	TLM 20.0 x 1.5 C 20.0
MA3329 172	LN 9499 21 300	5145 20CN 30.0	S410CN 30	4132 020 4030	TLM 20.0 x 1.5 C 30.0
MA3329 222	LN 9499 21 400	5145 20CN 40.0	S410CN 40	4132 020 4040	TLM 20.0 x 1.5 C 40.0
MA3329 272		5145 20CN 50.0	S410CN 50		TLM 20.0 x 1.5 C 50.0
MA3329 322		5145 20CN 60.0	S410CN 60		TLM 20.0 x 1.5 C 60.0
MA3329 123	LN 9499 22 200	5145 20CN 20.0	S220CN 20	4132 020 5020	TLM 20.0 x 2.0 C 20.0
MA3329 173	LN 9499 22 300	30	S220CN 30	4132 020 5030	TLM 20.0 x 2.0 C 30.0
MA3329 223	LN 9499 22 400	40	S220CN 40	4132 020 5040	TLM 20.0 x 2.0 C 40.0
MA3329 273		50	S220CN 50		TLM 20.0 x 2.0 C 50.0
MA3329 323		60	S220CN 60		TLM 20.0 x 2.0 C 60.0
MA3329 124	LN 9499 23 200	4184 20CN 20.0	S120CN 20	4132 020 0020	TLM 20.0 x 2.5 C 20.0
				4132 020 0025	
MA3329 174	LN 9499 23 300	4184 20CN 30.0	S120CN 30	4132 020 0030	TLM 20.0 x 2.5 C 30.0
MA3329 224	LN 9499 23 400	4184 20CN 40.0	S120CN 40	4132 020 0040	TLM 20.0 x 2.5 C 40.0
MA3329 274		4184 20CN 50.0	S120CN 50		TLM 20.0 x 2.5 C 50.0
MA3329 324		4184 20CN 60.0	S120CN 60		TLM 20.0 x 2.5 C 60.0
				4132 022 4011	
MA3329 125		5145 22CN 22.0	S422CN 22	4132 022 4022	TLM 22.0 x 1.5 C 22.0
MA3329 175		5145 22CN 33.0	S422CN 33		TLM 22.0 x 1.5 C 33.0
MA3329 225		5145 22CN 44.0	S422CN 44		TLM 22.0 x 1.5 C 44.0
MA3329 275		5145 22CN 55.0	S442CN 55		TLM 22.0 x 1.5 C 55.0
MA3329 325		5145 22CN 66.0	S422CN 66		TLM 22.0 x 1.5 C 66.0
MA3329 126		5266 22CN 22.0	S222CN 22		TLM 22.0 x 2.0 C 22.0
MA3329 176		5266 22CN 33.0	S222CN 33		TLM 22.0 x 2.0 C 33.0
MA3329 226		5266 22CN 44.0	S222CN 44		TLM 22.0 x 2.0 C 44.0
MA3329 276		5266 22CN 55.0	S222CN 55		TLM 22.0 x 2.0 C 55.0
MA3329 326		5266 22CN 66.0	S222CN 66		TLM 22.0 x 2.0 C 66.0
MA3329 127		4184 22CN 22.0	S122CN 22	4132 022 0022	TLM 22.0 x 2.5 C 22.0
MA3329 177		4184 22CN 33.0	S122CN 33		TLM 22.0 x 2.5 C 33.0
MA3329 227		4184 22CN 44.0	S122CN 44		TLM 22.0 x 2.5 C 44.0
MA3329 277		4184 22CN 55.0	S122CN 55		TLM 22.0 x 2.5 C 55.0
MA3329 327		4184 22CN 66.0	S122CN 66		TLM 22.0 x 2.5 C 66.0

# Locking Type Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL MA PART NUMBER	GERMAN STD DIN 8140	BRITISH STANDARD	PART NUMBER
M24 x 2.0	1	24.0	17242	17242MA3329 128	DIN 8140 BM 24.0 x 2.0 x 24.0 A2	BS7751	
	1.5	36.0	17243	17243MA3329 178	DIN 8140 BM 24.0 x 2.0 x 36.0 A2	BS7751	
	2	48.0	17244	17244MA3329 228	DIN 8140 BM 24.0 x 2.0 x 48.0 A2	BS7751	
	2.5	60.0	17245	17245MA3329 278	DIN 8140 BM 24.0 x 2.0 x 60.0 A2	BS7751	
	3	72.0	17246	17246MA3329 328	DIN 8140 BM 24.0 x 2.0 x 72.0 A2	BS7751	
M24 x 3.0	1	24.0	15242	15242MA3329 129	DIN 8140 BM 24.0 x 24.0 A2	BS7751	
	1.5	36.0	15243	15243MA3329 179	DIN 8140 BM 24.0 x 36.0 A2	BS7751	
	2	48.0	15244	15244MA3329 229	DIN 8140 BM 24.0 x 48.0 A2	BS7751	
	2.5	60.0	15245	15245MA3329 279	DIN 8140 BM 24.0 x 60.0 A2	BS7751	
	3	72.0	15246	15246MA3329 329	DIN 8140 BM 24.0 x 72.0 A2	BS7751	
M27 x 2.0	1	39.0	17272	17272MA3329 130	DIN 8140 BM 27.0 x 3.0 x 27.0 A2		
	1.5	58.5	17273	17273MA3329 180	DIN 8140 BM 27.0 x 3.0 x 40.5 A2		
	2	78.0	17274	17274MA3329 230	DIN 8140 BM 27.0 x 3.0 x 54.0 A2		
	2.5		17275	17275MA3329 280	DIN 8140 BM 27.0 x 3.0 x 67.5 A2		
	3		17276	17276MA3329 330	DIN 8140 BM 27.0 x 3.0 x 81.0 A2		
M27 x 3.0	1	27	15272	15272MA3329 131	DIN 8140 BM 27.0 x 27.0 A2		
	1.5	40.5	15273	15273MA3329 181	DIN 8140 BM 27.0 x 40.5 A2		
	2	54	15274	15274MA3329 231	DIN 8140 BM 27.0 x 57.0 A2		
	2.5	67.5	15275	15275MA3329 281	DIN 8140 BM 27.0 x 67.5 A2		
M30 x 2.0	1	30.0	17302	17302MA3329 132	DIN 8140 BM 30.0 x 2.0 x 30.0 A2		
	1.5	45.0	17303	17303MA3329 182	DIN 8140 BM 30.0 x 2.0 x 45.0 A2		
	2	60.0	17304	17304MA3329 232	DIN 8140 BM 30.0 x 2.0 x 60.0 A2		
	2.5	75.0	17305	17305MA3329 282	DIN 8140 BM 30.0 x 2.0 x 75.0 A2		
	3		17306	17306MA3329 332	DIN 8140 BM 30.0 x 2.0 x 90.0 A2		
M30 x 3.0	1	30.0	15302 3	15302 3MA3329 133	DIN 8140 BM 30.0 x 30.0 A2		
	1.5	45.0	15303 3	15303 3MA3329 183	DIN 8140 BM 30.0 x 45.0 A2		
	2	60.0	15304 3	15304 3MA3329 233	DIN 8140 BM 30.0 x 60.0 A2		
	2.5	75.0	15305 3	15305 3MA3329 283	DIN 8140 BM 30.0 x 75.0 A2		
	3		15306 3	15306 3MA3329 333	DIN 8140 BM 30.0 x 90.0 A2		
M30 x 3.5	1	30.0	15302				
	1.5	45.0	15303				
	2	60.0	15304				
	2.5	75.0	15305				
	3	90	15306				
M33 x 2.0	1	33.0	17332	17332MA3329 134	DIN 8140 BM 33.0 x 2.0 x 33.0 A2		
	1.5	49.5	17333	17333MA3329 184	DIN 8140 BM 33.0 x 2.0 x 49.5 A2		
	2	66.0	17334	17334MA3329 234	DIN 8140 BM 33.0 x 2.0 x 66.0 A2		
	2.5	82.5	17335	17335MA3329 284	DIN 8140 BM 33.0 x 2.0 x 82.5 A2		
	3	99	17336	17336MA3329 334	DIN 8140 BM 33.0 x 2.0 x 99.0 A2		
M33 x 3.0	1	33.0	17332 3	17332 3MA3329 135	DIN 8140 BM 33.0 x 33.0 A2		
	1.5	49.5	17333 3	17333 3MA3329 185	DIN 8140 BM 33.0 x 49.5 A2		
	2	66.0	17334 3	17334 3MA3329 235	DIN 8140 BM 33.0 x 66.0 A2		
	2.5	82.5	17335 3	17335 3MA3329 285	DIN 8140 BM 33.0 x 82.5 A2		
	3	99	17336 3	17336 3MA3329 335	DIN 8140 BM 33.0 x 99.0 A2		

SAE MA RT NUMBER (USA)	GERMAN AEROSPACE STD LN9499	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3329 128		5266 24CN 24.0	S224CN 24	4132 024 5024	TLM 24.0 x 2 C 24.0
MA3329 178		5266 24CN 36.0	S224CN 36	4132 024 5036	TLM 24.0 x 2 C 36.0
MA3329 228		5266 24CN 48.0	S224CN 48		TLM 24.0 x 2 C 48.0
MA3329 278		5266 24CN 60.0	S224CN 60		TLM 24.0 x 2 C 60.0
MA3329 328		5266 24CN 72.0	S224CN 72		TLM 24.0 x 2 C 72.0
MA3329 129		4184 24CN 24.0	S124CN 24	4132 024 0024	TLM 24.0 x 3 C 24.0
MA3329 179		4184 24CN 36.0	S124CN 36	4132 024 0036	TLM 24.0 x 3 C 36.0
MA3329 229		4184 24CN 48.0	S124CN 48	4132 024 0048	TLM 24.0 x 3 C 48.0
MA3329 279		4184 24CN 60.0	S124CN 60		TLM 24.0 x 3 C 60.0
MA3329 329		4184 24CN 72.0	S124CN 72		TLM 24.0 x 3 C 72.0
MA3329 130			S139CN 39		TLM 27.0 x 2 C 27.0
MA3329 180			S139CN 58.5		TLM 27.0 x 2 C 40.5
MA3329 230			S139CN 78		TLM 27.0 x 2 C 54.0
MA3329 280					TLM 27.0 x 2 C 67.5
MA3329 330					TLM 27.0 x 2 C 81.0
MA3329 131			S127CN 27		TLM 27.0 x 3.0 C 27.0
MA3329 181			S127CN 40.5		TLM 27.0 x 3.0 C 40.5
MA3329 231			S127CN 54		TLM 27.0 x 3.0 C 57.0
MA3329 281			S127CN 67.5		TLM 27.0 x 3.0 C 67.5
MA3329 132					TLM 30.0 x 2.0 C 30.0
MA3329 182					TLM 30.0 x 2.0 C 45.0
MA3329 232					TLM 30.0 x 2.0 C 60.0
MA3329 282					TLM 30.0 x 2.0 C 75.0
MA3329 332					TLM 30.0 x 2.0 C 90.0
MA3329 133			S130CN 30		TLM 30.0 x C 30.0
MA3329 183			S130CN 45		TLM 30.0 x C 45.0
MA3329 233			S130CN 60		TLM 30.0 x C 60.0
MA3329 283			S130CN 75		TLM 30.0 x C 75.0
MA3329 333					TLM 30.0 x C 90.0
			S130CN 30		
			S130CN 45		
			S130CN 60		
			S130CN 75		
MA3329 134					TLM 33.0 x 2 C 33.0
MA3329 184					TLM 33.0 x 2 C 49.5
MA3329 234					TLM 33.0 x 2 C 66.0
MA3329 284					TLM 33.0 x 2 C 82.5
MA3329 334					TLM 33.0 x 2 C 99.0
MA3329 135			S133CN 33		TLM 33.0 x 3 C 33.0
MA3329 185			S133CN 49.5		TLM 33.0 x 3 C 49.5
MA3329 235			S133CN 66		TLM 33.0 x 3 C 66.0
MA3329 285					TLM 33.0 x 3 C 82.5
MA3329 335					TLM 33.0 x 3 C 99.0

# Locking Type Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL MA PART NUMBER	GERMAN STD DIN 8140	BRITISH STANDARD	PAN
M36 x 2.0	1	36.0	17362 2	17362 2MA3329 136	DIN 8140 BM 36.0 x 2 x 36.0 A2		
	1.5	54.0	17363 2	17363 2MA3329 186	DIN 8140 BM 36.0 x 2 x 56.0 A2		
	2	72.0	17364 2	17364 2MA3329 236	DIN 8140 BM 36.0 x 2 x 72.0 A2		
	2.5	90	17365 2	17365 2MA3329 286	DIN 8140 BM 36.0 x 2 x 90.0 A2		
	3	108	17366 2	17366 2MA3329 336	DIN 8140 BM 36.0 x 2 x 108.0 A2		
M36 x 3.0	1	36.0	17362	17362MA3329 137	DIN 8140 BM 36.0 x 36.0 A2		
	1.5	54.0	17363	17363MA3329 187	DIN 8140 BM 36.0 x 54.0 A2		
	2	72.0	17364	17364MA3329 237	DIN 8140 BM 36.0 x 72.0 A2		
	2.5	90	17365	17365MA3329 287	DIN 8140 BM 36.0 x 90.0 A2		
	3	108	17366	17366MA3329 337	DIN 8140 BM 36.0 x 108.0 A2		
M36 x 4.0	1	36.0	15362				
	1.5	54.0	15363				
	2	72.0	15364				
	2.5	90	15365				
	3	108	15366				
M39 x 2.0	1	39.0			DIN 8140 BM 39.0 x 2.0 x 39.0 A2		
	1.5	58.5			DIN 8140 BM 39.0 x 2.0 x 58.5 A2		
	2	78.0			DIN 8140 BM 39.0 x 2.0 x 78.0 A2		
	2.5	97.5			DIN 8140 BM 39.0 x 2.0 x 97.5 A2		
	3	117			DIN 8140 BM 39.0 x 2.0 x 117.0 A2		
M39 x 3.0	1	39.0	17392	17392MA3329 139	DIN 8140 BM 39.0 x 39.0 A2		
	1.5	58.5	17393	17393MA3329 189	DIN 8140 BM 39.0 x 58.5 A2		
	2	78.0	17394	17394MA3329 239	DIN 8140 BM 39.0 x 78.0 A2		
	2.5	97.5		17395MA3329 289	DIN 8140 BM 39.0 x 97.5 A2		
	3	117		17396MA3329 339	DIN 8140 BM 39.0 x 117.0 A2		
M39 x 4.0	1	39.0	15392	15392MA			
	1.5	58.5	15393	15393MA			
	2	78.0	15394	15394MA			
	2.5	97.5					
	3	117					

SAE MA RT NUMBER (USA)	GERMAN AEROSPACE STD LN9499	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3329 136			S136CN 36		TLM 36.0 x 2 C 36.0
MA3329 186			S136CN 54		TLM 36.0 x 2 C 56.0
MA3329 236			S136CN 72		TLM 36.0 x 2 C 72.0
MA3329 286					TLM 36.0 x 2 C 90.0
MA3329 336					TLM 36.0 x 2 C 108.0
MA3329 137			S136CN 36		TLM 36.0 3.0 C 37.0
MA3329 187			S136CN 54		TLM 36.0 3.0 C 54.0
MA3329 237			S136CN 72		TLM 36.0 3.0 C 72.0
MA3329 287					TLM 36.0 3.0 C 90.0
MA3329 337					TLM 36.0 3.0 C 108.0
			S136CN 36		
			S136CN 54		
			S136CN 72		
MA3329 138			S139CN 39		TLM 39.0 x 2.0 C 39.0
MA3329 188			S139CN 58.5		TLM 39.0 x 2.0 C 58.5
MA3329 238			S139CN 78		TLM 39.0 x 2.0 C 78.0
MA3329 288					TLM 39.0 x 2.0 C 97.5
MA3329 338					TLM 39.0 x 2.0 C 117.0
MA3329 139			S139CN 39		TLM 39.0 x 3 C 39.0
MA3329 189			S139CN 58.5		TLM 39.0 x 3 C 58.5
MA3329 239			S139CN 78		TLM 39.0 x 3 C 78.0
MA3329 289					TLM 39.0 x 3 C 97.5
MA3329 339					TLM 39.0 x 3 C 117.0
			S139CN 39		
			S139CN 58.5		
			S139CN 78		

# Free Running Metric

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL SPECIAL PART NUMBER	BRITISH STANDARD	GERMAN STD DIN 8140	PART
M2 x 0.4	1	2	05022	05022DIN	BS7752	-	M
	1.5	3	05023	05023DIN	BS7752	-	M
	2	4	05024	05024DIN	BS7752	-	M
	2.5	5	05025	05025DIN	BS7752	-	M
	3	6	05026	05026DIN	BS7752	-	M
M2.2 x 0.45	1	2.2	05012			DIN 8140 - AM 2.2 x 3.3 A2	M
	1.5	3.3	05013			DIN 8140 - AM 2.2 x 2.3 A2	M
	2	4.4	05014			DIN 8140 - AM 2.2 x 4.4 A2	M
	2.5	5.5	05015			DIN 8140 - AM 2.2 x 5.5 A2	M
	3	6.6	05016			DIN 8140 - AM 2.2 x 6.6 A2	M
M2.5 x 0.45	1	2.5	05252	05252MA3279-101	BS7752	DIN 8140 - AM 2.5 x 2.0 A2	M
	1.5	3.8	05253	05253MA3279-151	BS7752	DIN 8140 - AM 2.5 x 3.75 A2	M
	2	5.0	05254	05254MA3279-201	BS7752	DIN 8140 - AM 2.5 x 5.0 A2	M
	2.5	6.3	05255	05255MA3279-251	BS7752	DIN 8140 - AM 2.5 x 6.25 A2	M
	3	7.5	05256	05256MA3279-301	BS7752	DIN 8140 - AM 2.5 x 7.5 A2	M
M3 x 0.5	1	3.0	05032	05032MA3279-102	BS7752	DIN 8140 - AM 3.0 x 3.0 A2	M
	1.5	4.5	05033	05033MA3279-152	BS7752	DIN 8140 - AM 3.0 x 4.5 A2	M
	2	6.0	05034	05034MA3279-202	BS7752	DIN 8140 - AM 3.0 x 6.0 A2	M
	2.5	7.5	05035	05035MA3279-252	BS7752	DIN 8140 - AM 3.0 x 7.5 A2	M
	3	9.0	05036	05036MA3279-302	BS7752	DIN 8140 - AM 3.0 x 9.0 A2	M
M3.5 x 0.6	1	3.5	05352	05352MA3279-103	BS7752	DIN 8140 - AM 3.5 x 3.5 A2	M
	1.5	5.3	05353	05353MA3279-153	BS7752	DIN 8140 - AM 3.5 x 5.25 A2	M
	2	7.0	05354	05354MA3279-203	BS7752	DIN 8140 - AM 3.5 x 7.0 A2	M
	2.5	8.8	05355	05355MA3279-253	BS7752	DIN 8140 - AM 3.5 x 8.75 A2	M
	3	10.5	05356	05356MA3279-303	BS7752	DIN 8140 - AM 3.5 x 10.5 A2	M
M4 x 0.7	-	3.0	-	-		-	
	1	4.0	05042	05042MA3279-104	BS7752	DIN 8140 - AM 4.0 x 4.0 A2	M
	-	5.0	-	-		-	
	1.5	6.0	05043	05043MA3279-154	BS7752	DIN 8140 - AM 4.0 x 6.0 A2	M
	2	8.0	05044	05044MA3279-204	BS7752	DIN 8140 - AM 4.0 x 8.0 A2	M
	2.5	10.0	05045	05045MA3279-254	BS7752	DIN 8140 - AM 4.0 x 10.0 A2	M
	3	12.0	05046	05046MA3279-304	BS7752	DIN 8140 - AM 4.0 x 12.0 A2	M
M5 x 0.8	1	5.0	05052	05052MA3279-105	BS7752	DIN 8140 - AM 5.0 x 5.0 A2	M
	-	6.25	-	-		-	
	1.5	7.5	05053	05053MA3279-155	BS7752	DIN 8140 - AM 5.0 x 7.5 A2	M
	2	10.0	05054	05054MA3279-205	BS7752	DIN 8140 - AM 5.0 x 8.0 A2	M
	2.5	12.5	05055	05055MA3279-255	BS7752	DIN 8140 - AM 5.0 x 12.5 A2	M
3	15.0	05056	05056MA3279-305	BS7752	DIN 8140 - AM 5.0 x 15.0 A2	M	
M6 x 1	-	3.0	-	-		-	
	-	5.4	-	-		-	
	1	6.0	05062	05062MA3279-106	BS7752	DIN 8141 - AM 7.0 x 7.0 A2	M
	-	7.5	-	-		-	
	-	8.0	-	-		-	
	1.5	9.0	05063	05063MA3279-156	BS7752	DIN 8140 - AM 6.0 x 9.0 A2	M
	-	10.0	-	-		-	
	2	12.0	05064	05064MA3279-206	BS7752	DIN 8140 - AM 6.0 x 12 A2	M
	2.5	15.0	05065	05065MA3279-256	BS7752	DI 8140 - AM 6.0 x 15.0 A2	M
	3	18.0	05066	05066MA3279-306	BS7752	DIN 8140 - AM 6.0 x 18.0 A2	M
M7 x 1	1	7.0	05072	05072MA3279-107	BS7752	DIN 8140 - AM 7.0 x 7.0 A2	M
	1.5	10.5	05073	05073MA3279-157	BS7752	DIN 8140 - AM 7.0 x 10.5 A2	M
	2	14.0	05074	05074MA3279-207	BS7752	DIN 8140 - AM 7.0 x 14.0 A2	M
	2.5	17.5	05075	05075MA3279-257	BS7752	DIN 8140 - AM 7.0 x 17.5 A2	M
	3	21.0	05076	05076MA3279-307	BS7752	DIN 8140 - AM 7.0 x 21.0 A2	M

SAE MAT NUMBER (USA)	GERMAN AEROSPACE STD LN9039	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF (HELICOIL PLUS) PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3279-140	-	-	F102CN-2	4130 002 0002	-
MA3279-190	-	-	F102CN-3	4130 002 0003	-
MA3279-240	-	-	F102CN-4	4130 002 0004	-
MA3279-290	-	-	F102CN-5	4130 002 0005	-
MA3279-340	-	-	F102CN-6	4130 002 0006	-
MA3279-100	-	1084-2.2CN-2.2	F1022CN-2.2	-	TNM 2.2 x 0.45 C 2.2
MA3279-150	-	1084-2.2CN-3.3	F1022CN-3.3	-	TNM 2.2 x 0.45 C 3.3
MA3279-200	-	1084-2.2CN-4.4	F1022CN-4.4	-	TNM 2.2 x 0.45 C 4.4
MA3279-250	-	1084-2.2CN-5.5	F1022CN-5.5	-	TNM 2.2 x 0.45 C 5.5
MA3279-300	-	1084-2.2CN-6.6	F1022CN-6.6	-	TNM 2.2 x 0.45 C 6.6
MA3279-101	LN 9039 - 00 -025	1084-2.5CN-2.5	F1025CN-2.5	4130 025 0025	TNM 2.5 x 0.45 C 2.5
MA3279-151	LN 9039 - 00 -037	1084-2.5CN-3.8	F1025CN-3.75	4130 025 0375	TNM 2.5 x 0.45 C 3.75
MA3279-201	LN 9039 - 00 -050	1084-2.5CN-5.0	F1025CN-5	4130 025 0005	TNM 2.5 x 0.45 C 5.0
MA3279-251	-	1084-2.5CN-6.3	F1025CN-6.25	4130 025 0625	TNM 2.5 x 0.45 C 6.25
MA3279-301	-	1084-2.5CN-7.5	F1025CN-7.5	4130 025 0075	TNM 2.5 x 0.45 C 7.5
MA3279-102	LN 9039 - 01 -030	1084-3CN-3.0	F103CN-3	4130 003 0003	TNM 3.0 x 0.5 C 3.0
MA3279-152	LN 9039 - 01 -045	1084-3CN-4.5	F103CN-4.5	4130 003 0045	TNM 3.0 x 0.5 C 4.5
MA3279-202	LN 9039 - 01 -060	1084-3CN-6.0	F103CN-6	4130 003 0006	TNM 3.0 x 0.5 C 6.0
MA3279-252	-	1084-3CN-7.5	F103CN-7.5	4130 003 0075	TNM 3.0 x 0.5 C 7.5
MA3279-302	-	1084-3CN-9.0	F103CN-9	4130 003 0009	TNM 3.0 x 0.5 C 9.0
MA3279-103	-	1084-3.5CN-3.5	F1035CN-3.5	4130 035 0035	TNM 3.5 x 0.6 C 3.5
MA3279-153	-	1084-3.5CN-5.3	F1035CN-5.25	4130 035 0053	TNM 3.5 x 0.6 C 5.25
MA3279-203	-	1084-3.5CN-7.0	F1035CN-7	4130 035 0007	TNM 3.5 x 0.6 C 7.0
MA3279-253	-	1084-3.5CN-8.8	F1035CN-8.75	4130 035 0105	TNM 3.5 x 0.6 C 8.75
MA3279-303	-	1084-3.5CN-10.5	F1035CN-10.5	4130 035 0003	TNM 3.5 x 0.6 C 10.5
	-	-		4130 004 0003	-
MA3279-104	LN 9039 - 02 -040	1084-4CN-4.0	F104CN-4	4130 004 0004	TNM 4.0 x 0.7 C 4.0
	-	-		4130 004 0005	-
MA3279-154	LN 9039 - 02 -060	1084-4CN-6.0	F104CN-6	4130 004 0006	TNM 4.0 x 0.7 C 6.0
MA3279-204	LN 9039 - 02 -080	1084-4CN-8.0	F104CN-8	4130 004 0008	TNM 4.0 x 0.7 C 8.0
MA3279-254	-	1084-4CN-10.0	F104CN-10	4130 004 0010	TNM 4.0 x 0.7 C 10.0
MA3279-304	-	1084-4CN-12.0	F104CN-12	4130 004 0012	TNM 4.0 x 0.7 C 12.0
MA3279-105	LN 9039 - 03 -050	1084-5CN-5.0	F105CN-5	4130 005 0005	TNM 5.0 x 0.8 C 5
	-	-		4130 005 0625	-
MA3279-155	LN 9039 - 03 -075	1084-5CN-7.5	F105CN-7.5	4130 005 0075	TNM 5.0 x 0.8 C 7.5
MA3279-205	LN 9039 - 03 -100	1084-5CN-10.0	F105CN-10	4130 005 0010	TNM 5.0 x 0.8 C 8.0
MA3279-255	-	1084-5CN-12.5	F105CN-12.5	4130 00 50125	TNM 5.0 x 0.8 C 12.5
MA3279-305	-	1084-5CN-15.0	F105CN-15	4130 005 0015	TNM 5.0 x 0.8 C 15.0
	-	-		4130 006 0003	-
	-	-			-
MA3279-106	LN 9039 - 04 070	1084-6CN-6.0	F106CN-6	4130 006 0006	TNM 6.0 x 1 C 6.0
	-	-			-
	-	-			-
MA3279-156	LN 9039 - 04 090	1084-6CN-9.0	F106CN-9	4130 006 0009	TNM 6.0 x 1 C 9.0
	-	-			-
MA3279-206	LN 9039 - 04 120	1084-6CN-12.0	F106CN-12	4130 006 0012	TNM 6.0 x 1 C 12.0
MA3279-256	-	1084-6CN-15.0	F106CN-15	4130 006 0015	TNM 6.0 x A C 15.0
MA3279-306	-	1084-6CN-18.0	F106CN-18	4130 006 0018	TNM 6.0 x 1 C 18.0
MA3279-107	LN 9039 - 05 070	1084-7CN-7.0	F107CN-7	4130 007 0007	TNM 7.0 x 1 C 7.0
MA3279-157	LN 9039 - 05 105	1084-7CN-10.5	F107CN-10.5	4130 007 0105	TNM 7.0 x 1 C 10.5
MA3279-207	LN 9039 - 05 140	1084-7CN-14.0	F107CN-14	4130 007 0014	TNM 7.0 x 1 C 14.0
MA3279-257	-	1084-7CN-17.5	F107CN-17.5	4130 007 0175	TNM 7.0 x 1 C 17.5
MA3279-307	-	1084-7CN-21.0	F107CN-21	4130 007 0021	TNM 7.0 x 1 C 21.0

# Free Running Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL SPECIAL PART NUMBER	BRITISH STANDARD	GERMAN STD DIN 8140	PA
M8 x 1	1	8.0	07082	07082MA3279-108	BS7752	DIN 8140 - AM 80. X 1.0 x 8.0 A2	
	1.5	12.0	07083	07083MA3279-158	BS7752	DIN 8140 - AM 80. X 1.0 x 12.0 A2	
	2	16.0	07084	07084MA3279-208	BS7752	DIN 8140 - AM 80. X 1.0 x 16.0 A2	
	2.5	20.0	07085	07085MA3279-258	BS7752	DIN 8140 - AM 80. X 1.0 x 20.0 A2	
	3	24.0	07086	07086MA3279-308	BS7752	DIN 8140 - AM 80. X 1.0 x 24.0 A2	
M8 x 1.25	-	6.0	-	-		-	
	1	8.0	05082	05082MA3279-109	BS7752	DIN 8140 - AM 8.0 x 8.0 A2	
	-	10.0	-	-		-	
	1.5	12.0	05083	05083MA3279-159	BS7752	DIN 8140 - AM 8.0 x 12.0 A2	
	-	14.0	-	-		-	
	2	16.0	05084	05084MA3279-209	BS7752	DIN 8140 - AM 8.0 x 16.0 A2	
	2.5	20.0	05085	05085MA3279-258	BS7752	DIN 8140 - AM 8.0 x 20.0 A2	
3	24.0	05086	05086MA3279-308	BS7752	DIN 8140 - AM 8.0 x 24.0 A2		
M9 x 1.25	1	9	05092	05092		-	
	1.5	13.5	05093	05093		-	
	2	18	05094	05094		-	
	2.5	22.5	05095	05095		-	
	3	27	05096	05096		-	
M10 x 1.0	1	10.0	08102	08102MA3279-141		-	
	1.5	15.0	08103	08103MA3279-191		-	
	2	20.0	08104	08104MA3279-241		-	
	2.5	25.0	08105	08105MA3279-291		-	
	3	30.0	08106	08106MA3279-341		-	
M10 x 1.25	1	10.0	07102	07102MA3279-110	BS7752	DIN 8140 - AM 10.0 x 1.25 x 10.0 A2	
	1.5	15.0	07103	07103MA3279-160	BS7752	DIN 8140 - AM 10.0 x 1.25 x 15.0 A2	
	2	20.0	07104	07104MA3279-210	BS7752	DIN 8140 - AM 10.0 x 1.25 x 20.0 A2	
	2.5	25.0	07105	07105MA3279-260	BS7752	DIN 8140 - AM 10.0 x 1.25 x 25.0 A2	
	3	30.0	07106	07106MA3279-310	BS7752	DIN 8140 - AM 10.0 x 1.25 x 30.0 A2	
M10 x 1.5	1	10.0	05102	05102MA3279-111	BS7752	DIN 8140 - AM 10.0 x 10.0 A2	
	-	12.5	-	-		-	
	1.5	15.0	05103	05103MA3279-161	BS7752	DIN 8140 - AM 10.0 x 15.0 A2	
	2	20.0	05104	05104MA3279-211	BS7752	DIN 8140 - AM 10.0 x 20.0 A2	
	2.5	25.0	05105	05105MA3279-261	BS7752	DIN 8140 - AM 10.0 x 25.0 A2	
	3	30.0	05106	05106MA3279-311	BS7752	DIN 8140 - AM 10.0 x 30.0 A2	
M11 x 1.5	1	11	05112	05112		-	
	1.5	16.5	05113	05113		-	
	2	22	05114	05114		-	
	2.5	27.5	05115	05115		-	
	3	33	05116	05116		-	
M12 x 1.0	1	12	08122-1	08122-1		-	
	1.5	18.0	08123-1	08123-1		-	
	2	24.0	08124-1	08124-1		-	
M12 x 1.25	1	12.0	08122	08122MA3279-112	BS7752	DIN 8140 - AM 12.0 x 1.25 x 12.0 A2	
	1.5	18.0	08123	08123MA3279-162	BS7752	DIN 8140 - AM 12.0 x 1.25 x 18.0 A2	
	2	24.0	08124	08124MA3279-212	BS7752	DIN 8140 - AM 12.0 x 1.25 x 24.0 A2	
	2.5	30.0	08125	08125MA3279-262	BS7752	DIN 8140 - AM 12.0 x 1.25 x 30.0 A2	
	3	36.0	08126	08126MA3279-312	BS7752	DIN 8140 - AM 12.0 x 1.25 x 36.0 A2	



SAE MA RT NUMER (USA)	GERMAN AEROSPACE STD LN9039	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF (HELICOIL PLUS) PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3279-108	LN 9039 - 06 080	4255-8CN-8.0	F408CN-8	4130 008 3008	TNM 8.0 x 1 C 8.0
MA3279-158	LN 9039 - 06 120	4255-8CN-12.0	F408CN-12	-3012	TNM 8.0 x 1 C 12.0
MA3279-208	LN 9039 - 06 160	4255-8CN-16.0	F408CN-16	-3016	TNM 8.0 x 1 C 16.0
MA3279-258	-	4255-8CN-20.0	F408CN-20	-3020	TNM 8.0 x 1 C 20.0
MA3279-308	-	4255-8CN-24.0	F408CN-24	-3024	TNM 8.0 x 1 C 24.0
	-	-		4130 008 0006	-
MA3279-109	LN 9039 - 07 080	1084-8CN-8.0	F108CN-8	4130 008 0008	TNM 8.0 x 1.25 C 8
	-	-			-
MA3279-159	LN 9039 - 07 120	1084-8CN-12.0	F108CN-12	4130 008 0012	TNM 8.0 x 1.25 C 12.0
	-	-			-
MA3279-209	LN 9039 - 07 160	1084-8CN-16.0	F108CN-16	4130 008 0016	TNM 8.0 x 1.25 C 16.0
MA3279-258	-	1084-8CN-20.0	F108CN-20	4130 008 0020	TNM 8.0 x 1.25 C 20.0
MA3279-308	-	1084-8CN-24.0	F108CN-24	4130 008 0024	TNM 8.0 x 1.25 C 24.0
	-	-	F109CN-9	4130 009 0009	-
	-	-	F109CN-13.5	4130 009 0135	-
	-	-	F109CN-18	4130 009 0018	-
	-	-	F109CN-22.5	4130 009 0225	-
	-	-	F109CN-27	4130 009 0027	-
MA3279-141	-	-		4130 010 3010	-
MA3279-191	-	-		4130 010 3015	-
MA3279-241	-	-		4130 010 3020	-
MA3279-291	-	-		4130 010 3025	-
MA3279-341	-	-		4130 010 3030	-
MA3279-110	LN 9039 - 09 100	4649-10CN-10.0	F510CN-10	4130 010 9010	TNM 10.0 x 1.25 C 10.0
MA3279-160	LN 9039 - 09 150	4649-10CN-15.0	F510CN-15	4130 010 9015	TNM 10.0 x 1.25 C 15.0
MA3279-210	LN 9039 - 09 200	4649-10CN-20.0	F510CN-20	4130 010 9020	TNM 10.0 x 1.25 C 20.0
MA3279-260	-	4649-10CN-25.0	F510CN-25	4130 010 9025	TNM 10.0 x 1.25 C 25.0
MA3279-310	-	4649-10CN-30.0	F510CN-30	-	TNM 10.0 x 1.25 C 30.0
MA3279-111	LN 9039 - 10 100	1084-10CN-10.0	F110CN-10	4130 010 0010	TNM 10.0 x 1.5 C 10.0
	-	-		4130 010 0125	-
MA3279-161	LN 9039 - 10 150	1084-10CN-15.0	F110CN-15	4130 010 0015	TNM 10.0 x 1.5 C 15.0
MA3279-211	LN 9039 - 10 200	1084-10CN-20.0	F110CN-20	4130 010 0020	TNM 10.0 x 1.5 C 20.0
MA3279-261	-	1084-10CN-25.0	F110CN-25	4130 010 0025	TNM 10.0 x 1.5 C 25.0
MA3279-311	-	1084-10CN-30.0	F110CN-30	4130 010 0030	TNM 10.0 x 1.5 C 30.0
	-	-	F111CN-11	4130 011 0011	-
	-	-	F111CN-16.5	4130 011 0165	-
	-	-	F111CN-22	4130 011 0022	-
	-	-	F111CN-27.5	4130 011 0275	-
	-	-	F111CN-33	4130 011 0033	-
	-	-		4130 012 3012	-
	-	-		4130 012 3018	-
	-	-		4130 012 3024	-
MA3279-112	LN 9039 - 11 120	4649-12CN-12.0	F512CN-12	4130 012 9012	TNM 12.0 x 1.25 C 12.0
MA3279-162	LN 9039 - 11 180	4649-12CN-18.0	F512CN-18	4130 012 9018	TNM 12.0 x 1.25 C 18.0
MA3279-212	LN 9039 - 11 240	4649-12CN-24.0	F512CN-24	4130 012 9024	TNM 12.0 x 1.25 C 24.0
MA3279-262	-	4649-12CN-30.0	F512CN-30	4130 012 9030	TNM 12.0 x 1.25 C 30.0
MA3279-312	-	4649-12CN-36.0	F512CN-36	4130 012 9036	TNM 12.0 x 1.25 C 36.0

# Free Running Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL SPECIAL PART NUMBER	BRITISH STANDARD	GERMAN STD DIN 8140	P
M12 x 1.5	1	12.0	07122	07122MA3279-113		DIN 8140 - AM 12.0 x 1.5 x 12.0 A2	
	1.5	18.0	07123	07123MA3279-163		DIN 8140 - AM 12.0 x 1.5 x 18.0 A2	
	2	24.0	07124	07124MA3279-213		DIN 8140 - AM 12.0 x 1.5 x 24.0 A2	
	2.5	30.0	07125	07125MA3279-263		DIN 8140 - AM 12.0 x 1.5 x 30.0 A2	
	3	36.0	07126	07126MA3279-313		DIN 8140 - AM 12.0 x 1.5 x 36.0 A2	
M12 x 1.75	-	9.0	-	-		-	
	1	12.0	05122	05122MA3279-114	BS7752	DIN 8140 - AM 12.0 x 12.0 A2	
	-	15.0	-	-		-	
	1.5	18.0	05123	05123MA3279-164	BS7752	DIN 8140 - AM 12.0 x 18.0 A2	
	2	24.0	05124	05124MA3279-214	BS7752	DIN 8140 - AM 12.0 x 24.0 A2	
	2.5	30.0	05125	05125MA3279-264	BS7752	DIN 8140 - AM 12.0 x 30.0 A2	
M14 x 1.5	3	36.0	05126	05126MA3279-314	BS7752	DIN 8140 - AM 12.0 x 36.0 A2	
	-	10.5	-	-		-	
	1	14.0	07142	07142MA3279-115	BS7752	DIN 8140 - AM 14.0 x 1.5 x 14.0 A2	
	1.5	21.0	07143	07143MA3279-165	BS7752	DIN 8140 - AM 14.0 x 1.5 x 21.0 A2	
	2	28.0	07144	07144MA3279-215	BS7752	DIN 8140 - AM 14.0 x 1.5 x 28.0 A2	
	2.5	35.0	07145	07145MA3279-265	BS7752	DIN 8140 - AM 14.0 x 1.5 x 35.0 A2	
M14 x 2	3	42.0	07146	07146MA3279-315	BS7752	DIN 8140 - AM 14.0 x 1.5 x 42.0 A2	
	-	10.5	-	-		-	
	1	14.0	05142	05142MA3279-116	BS7752	DIN 8140 - AM 14.0 x 14.0 A2	
	1.5	21.0	05143	05143MA3279-166	BS7752	DIN 8140 - AM 14.0 x 21.0 A2	
	2	28.0	05144	05144MA3279-216	BS7752	DIN 8140 - AM 14.0 x 28.0 A2	
	2.5	35.0	05145	05145MA3279-266	BS7752	DIN 8140 - AM 14.0 x 35.0 A2	
M16 x 1.5	3	42.0	05146	05146MA3279-316	BS7752	DIN 8140 - AM 14.0 x 42.0 A2	
	1	16.0	07162	07162MA3279-117	BS7752	DIN 8140 - AM 16.0 x 1.5 x 16.0 A2	
	1.5	24.0	07163	07163MA3279-167	BS7752	DIN 8140 - AM 16.0 x 1.5 x 24.0 A2	
	2	32.0	07164	07164MA3279-217	BS7752	DIN 8140 - AM 16.0 x 1.5 x 32.0 A2	
	2.5	40.0	07165	07165MA3279-267	BS7752	DIN 8140 - AM 16.0 x 1.5 x 40.0 A2	
M16 x 2.0	3	48.0	07166	07166MA3279-317	BS7752	DIN 8140 - AM 16.0 x 1.5 x 48.0 A2	
	-	12.0	-	-		-	
	-	16.0	05162	05162MA3279-118	BS7752	DIN 8140 - AM 16.0 x 16.0 A2	
	-	20.0	-	-		-	
	-	24.0	05163	05163MA3279-168	BS7752	DIN 8140 - AM 16.0 x 24.0 A2	
	-	28.0	-	-		-	
	-	32.0	05164	05164MA3279-218	BS7752	DIN 8140 - AM 16.0 x 32.0 A2	
M18 x 1.5	-	40.0	05165	05165MA3279-268	BS7752	DIN 8140 - AM 16.0 x 40.0 A2	
	-	48.0	05166	05166MA3279-318	BS7752	DIN 8140 - AM 16.0 x 48.0 A2	
	-	9.0	-	-		-	
	-	12.0	-	-		-	
	-	13.5	-	-		-	
	-	15.0	-	-		-	
	1	18.0	08182	08182MA3279-119	BS7752	DIN 8140 - AM 18.0 x 1.5 x 18.0 A2	
	-	22.5	-	-		-	
	-	25.5	-	-		-	
	1.5	27.0	08183	08183MA3279-169	BS7752	DIN 8140 - AM 18.0 x 1.5 x 27.0 A2	
M18 x 2	2	36.0	08184	08184MA3279-219	BS7752	DIN 8140 - AM 18.0 x 1.5 x 36.0 A2	
	2.5	45.0	08185	08185MA3279-269	BS7752	DIN 8140 - AM 18.0 x 1.5 x 45.0 A2	
	3	54.0	08186	08186MA3279-319	BS7752	DIN 8140 - AM 18.0 x 1.5 x 54.0 A2	
	1	18.0	07182	07182MA3279-120		DIN 8140 - AM 18.0 x 2.0 x 18.0 A2	
	1.5	27.0	07183	07183MA3279-170		DIN 8140 - AM 18.0 x 2.0 x 27.0 A2	
	2	36.0	07184	07184MA3279-220		DIN 8140 - AM 18.0 x 2.0 x 36.0 A2	
M18 x 2	2.5	45.0	07185	07185MA3279-270		DIN 8140 - AM 18.0 x 2.0 x 45.0 A2	
	3	54.0	07186	07186MA3279-320		DIN 8140 - AM 18.0 x 2.0 x 54.0 A2	

SAE MA PART NUMBER (USA)	GERMAN AEROSPACE STD LN9039	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF (HELICOIL PLUS) PART NUMBER	COILTHREAD® (KATO) PART NUMBER
MA3279-113	LN 9039 - 12 120	3745-12CN-12.0		4130 012 4012	TNM 12.0 x 1.5 C 12.0
MA3279-163	LN 9039 - 12 180	3745-12CN-18.0		4130 012 4018	TNM 12.0 x 1.5 C 18.0
MA3279-213	LN 9039 - 12 240	3745-12CN-24.0		4130 012 4024	TNM 12.0 x 1.5 C 24.0
MA3279-263	LN 9039 - 12 300	3745-12CN-30.0		4130 012 4030	TNM 12.0 x 1.5 C 30.0
MA3279-313	LN 9039 - 12 360	3745-12CN-36.0		4130 012 4036	TNM 12.0 x 1.5 C 36.0
	-	-			-
MA3279-114	LN 9039 - 13 120	1084-12CN-12.0	F112CN-12	4130 012 0012	TNM 12.0 x 1.75 C 12.0
	-	-			-
MA3279-164	LN 9039 - 13 180	1084-12CN-18.0	F112CN-18	4130 012 0018	TNM 12.0 x 1.75 C 18.0
MA3279-214	LN 9039 - 13 240	1084-12CN-24.0	F112CN-24	4130 012 0024	TNM 12.0 x 1.75 C 24.0
MA3279-264	-	1084-12CN-30.0	F112CN-30	4130 012 0030	TNM 12.0 x 1.75 C 30.0
MA3279-314	-	1084-12CN-36.0	F112CN-36	4130 012 0036	TNM 12.0 x 1.75 C 36.0
	-	-			-
MA3279-115	LN 9039 - 15 140	3745-14CN-14.0	F414CN-14	4130 014 4014	TNM 14.0 x 1.5 C 14.0
MA3279-165	LN 9039 - 15 210	3745-14CN-21.0	F414CN-21	4130 014 4021	TNM 14.0 x 1.5 C 21.0
MA3279-215	LN 9039 - 15 280	3745-14CN-28.0	F414CN-28	4130 014 4028	TNM 14.0 x 1.5 C 28.0
MA3279-265	-	3745-14CN-35.0	F414CN-35	-	TNM 14.0 x 1.5 C 35.0
MA3279-315	-	3745-14CN-42.0	F414CN-42	-	TNM 14.0 x 1.5 C 42.0
	-	-			-
MA3279-116	LN 9039 - 16 140	1084-14CN-14.0	F114CN-14	4130 014 0014	TNM 14.0 x 2.0 C 14
MA3279-166	LN 9039 - 16 210	1084-14CN-21.0	F114CN-21	4130 014 0021	TNM 14.0 x 2.0 C 21.0
MA3279-216	LN 9039 - 16 280	1084-14CN-28.0	F114CN-28	4130 014 0028	TNM 14.0 x 2.0 C 28.0
MA3279-266	-	1084-14CN-35.0	F114CN-35	4130 014 0035	TNM 14.0 x 2.0 C 35.0
MA3279-316	-	1084-14CN-42.0	F114CN-42	-	TNM 14.0 x 2.0 C 42.0
MA3279-117	LN 9039 - 17 160	3745-16CN-16.0	F416CN-16	4130 016 4016	TNM 16.0 x 1.5 C 16.0
MA3279-167	LN 9039 - 17 240	3745-16CN-24.0	F416CN-24	4130 016 4024	TNM 16.0 x 1.5 C 24.0
MA3279-217	LN 9039 - 17 320	3745-16CN-32.0	F416CN-32	4130 016 4032	TNM 16.0 x 1.5 C 32.0
MA3279-267	-	3745-16CN-40.0	F416CN-40	4130 016 4040	TNM 16.0 x 1.5 C 40.0
MA3279-317	-	3745-16CN-48.0	F416CN-48	-	TNM 16.0 x 1.5 C 48.0
	-	-			-
MA3279-118	LN 9039 - 18 160	1084-16CN-16	F116CN-16	4130 016 0016	TNM 16.0 x 2 C 16.0
	-	-			-
MA3279-168	LN 9039 - 18 240	1084-16CN-24	F116CN-24	4130 016 0024	TNM 16.0 x 2 C 24.0
	-	-			-
MA3279-218	LN 9039 - 18 320	1084-16CN-32	F116CN-32	4130 016 0032	TNM 16.0 x 2 C 32.0
MA3279-268	-	1084-16CN-40	F116CN-40	4130 016 0040	TNM 16.0 x 2 C 40.0
MA3279-318	-	1084-16CN-48	F116CN-48	4130 016 0048	TNM 16.0 x 2 C 48.0
	-	-		4130 018 4009	-
	-	-		4130 018 4012	-
	-	-		4130 018 4135	-
	-	-		4130 018 4015	-
MA3279-119	LN 9039 - 19 180	3745-18CN-18.0	F418CN-18	4130 018 4018	TNM 18.0 x 1.5 C 16.0
	-	-		4130 018 4225	-
	-	-		4130 018 4255	-
MA3279-169	LN 9039 - 19 270	3745-18CN-27.0	F418CN-27	4130 018 4027	TNM 18.0 x 1.5 C 27.0
MA3279-219	LN 9039 - 19 360	3745-18CN-36.0	F418CN-36	4130 018 4036	TNM 18.0 x 1.5 C 36.0
MA3279-269	-	3745-18CN-45.0	F418CN-45	-	TNM 18.0 x 1.5 C 45.0
MA3279-319	-	3745-18CN-54.0	F418CN-54	-	TNM 18.0 x 1.5 C 54.0
MA3279-120	LN 9039 - 20 180	4266-18CN-18.0	F218CN-18	4130 018 5018	TNM 18.0 x 2 C 18.0
MA3279-170	LN 9039 - 20 270	4266-18CN-27.0	F218CN-27	4130 018 5027	TNM 18.0 x 2 C 27.0
MA3279-220	LN 9039 - 20 360	4266-18CN-36.0	F218CN-36	4130 018 5036	TNM 18.0 x 2 C 36.0
MA3279-270	-	4266-18CN-45.0	F218CN-45	-	TNM 18.0 x 2 C 45.0
MA3279-320	-	4266-18CN-54.0	F218CN-54	-	TNM 18.0 x 2 C 54.0

# Free Running Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL SPECIAL PART NUMBER	BRITISH STANDARD	GERMAN STD DIN 8140	P
M18 x 2.5	-	13.5	-	-		-	
	1	18.0	05182	05182MA3279-121	BS7752	DIN 8140 - AM 18.0 x 18.0 A2	
	1.5	27.0	05183	05183MA3279-171	BS7752	DIN 8140 - AM 18.0 x 27.0 A2	
	2	36.0	05184	05184MA3279-221	BS7752	DIN 8140 - AM 18.0 x 36.0 A2	
	2.5	45.0	05185	05185MA3279-271	BS7752	DIN 8140 - AM 18.0 x 45.0 A2	
	3	54.0	05186	05186MA3279-321	BS7752	DIN 8140 - AM 18.0 x 54.0 A2	
M20 x 1.5	-	10.0	-	-		-	
	-	15.0	-	-		-	
	1	20.0	08202	08202MA3279-122	BS7752	DIN 8140 - AM 20.0 x 1.5 x 20.0 A2	
	1.5	30.0	08203	08203MA3279-172	BS7752	DIN 8140 - AM 20.0 x 1.5 x 30.0 A2	
	2	40.0	08204	08204MA3279-222	BS7752	DIN 8140 - AM 20.0 x 1.5 x 40.0 A2	
	2.5	50.0	08205	08205MA3279-272	BS7752	DIN 8140 - AM 20.0 x 1.5 x 50.0 A2	
	3	60.0	08206	08206MA3279-322	BS7752	DIN 8140 - AM 20.0 x 1.5 x 60.0 A2	
M20 x 2	-	15.0	-	-		-	
	1	20.0	07202	07202MA3279-123		DIN 8140 - AM 20.0 x 2.0 x 20.0 A2	
	1.5	30.0	07203	07203MA3279-173		DIN 8140 - AM 20.0 x 2.0 x 30.0 A2	
	2	40.0	07204	07204MA3279-223		DIN 8140 - AM 20.0 x 2.0 x 40.0 A2	
	2.5	50.0	07205	07205MA3279-273		DIN 8140 - AM 20.0 x 2.0 x 50.0 A2	
	3	60.0	07206	07206MA3279-323		DIN 8140 - AM 20.0 x 2.0 x 60.0 A2	
M20 x 2.5	-	10.0	-	-		-	
	-	15.0	-	-		-	
	1	20.0	05202	05202MA3279-124	BS7752	DIN 8140 - AM 20.0 x 20.0 A2	
	-	25.0	-	-		-	
	1.5	30.0	05203	05203MA3279-174	BS7752	DIN 8140 - AM 20.0 x 30.0 A2	
	2	40.0	05204	05204MA3279-224	BS7752	DIN 8140 - AM 20.0 x 40.0 A2	
	2.5	50.0	05205	05205MA3279-274	BS7752	DIN 8140 - AM 20.0 x 50.0 A2	
	3	60.0	05206	05206MA3279-324	BS7752	DIN 8140 - AM 20.0 x 60.0 A2	
M22 x 1.5	-	11.0	-	-		-	
	-	16.5	-	-		-	
	1	22.0	08222	08222MA3279-125	BS7752	DIN 8140 - AM 22.0 x 1.5 x 22.0 A2	
	1.5	33.0	08223	08223MA3279-175	BS7752	DIN 8140 - AM 22.0 x 1.5 x 33.0 A2	
	2	44.0	08224	08224MA3279-225	BS7752	DIN 8140 - AM 22.0 x 1.5 x 44.0 A2	
	2.5	55.0	08225	08225MA3279-275	BS7752	DIN 8140 - AM 22.0 x 1.5 x 55.0 A2	
	3	66.0	08226	08226MA3279-325	BS7752	DIN 8140 - AM 22.0 x 1.5 x 66.0 A2	
M22 x 2	1	22.0	07222	07222MA3279-126		DIN 8140 - AM 22.0 x 2.0 x 22.0 A2	
	1.5	33.0	07223	07223MA3279-176		DIN 8140 - AM 22.0 x 2.0 x 33.0 A2	
	2	44.0	07224	07224MA3279-226		DIN 8140 - AM 22.0 x 2.0 x 44.0 A2	
	2.5	55.0	07225	07225MA3279-276		DIN 8140 - AM 22.0 x 2.0 x 55.0 A2	
	3	66.0	07226	07226MA3279-326		DIN 8140 - AM 22.0 x 2.0 x 66.0 A2	
M22 x 2.5	1	22.0	05222	05222MA3279-127	BS7752	DIN 8140 - AM 22.0 x 22.0 A2	
	1.5	33.0	05223	05223MA3279-177	BS7752	DIN 8140 - AM 22.0 x 33.0 A2	
	2	44.0	05224	05224MA3279-227	BS7752	DIN 8140 - AM 22.0 x 44.0 A2	
	2.5	55.0	05225	05225MA3279-277	BS7752	DIN 8140 - AM 22.0 x 55.0 A2	
	3	66.0	05226	05226MA3279-327	BS7752	DIN 8140 - AM 22.0 x 66.0 A2	
M24 x 1.5	1	12.0	08242	08242		-	
	1.5	18.0	08243	08243		-	
	2	24.0	08244	08244		-	
	2.5	36.0	08245	08245		-	
	3	48.0	08246	08246		-	

SAE MA PART NUMBER (USA)	GERMAN AEROSPACE STD LN9039	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF (HELICOIL PLUS) PART NUMBER	COILTHREAD® (KATO) PART NUMBER
	-	-		4130 018 0135	-
MA3279-121	LN 9039 - 21 180	1084-18CN-18.0	F118CN-18	4130 018 0018	TNM 18.0 x 2.5 C 18.0
MA3279-171	LN 9039 - 21 270	1084-18CN-27.0	F118CN-27	4130 018 0027	TNM 18.0 x 2.5 C 27.0
MA3279-221	LN 9039 - 21 360	1084-18CN-36.0	F118CN-36	4130 018 0036	TNM 18.0 x 2.5 C 36.0
MA3279-271	-	1084-18CN-45.0	F118CN-45	-	TNM 18.0 x 2.5 C 45.0
MA3279-321	-	1084-18CN-54.0	F118CN-54	-	TNM 18.0 x 2.5 C 54.0
	-	-		4130 020 4010	-
	-	-		-4015	-
MA3279-122	LN 9039 - 22 200	3745-20CN-20.0	F420CN-20	-4020	TNM 20.0 x 1.5 C 20.0
MA3279-172	LN 9039 - 22 300	3745-20CN-30.0	F420CN-30	-4030	TNM 20.0 x 1.5 C 30.0
MA3279-222	LN 9039 - 22 400	3745-20CN-40.0	F420CN-40	-4040	TNM 20.0 x 1.5 C 40.0
MA3279-272	-	3745-20CN-50.0	F420CN-50	-	TNM 20.0 x 1.5 C 50.0
MA3279-322	-	3745-20CN-60.0	F420CN-60	-	TNM 20.0 x 1.5 C 60.0
	-	-	CN-	4130 020 5015	-
MA3279-123	LN 9039 - 23 200	4266-20CN-20.0	F220CN-20	4130 020 5020	TNM 20.0 x 2.0 C 20.0
MA3279-173	LN 9039 - 23 300	4266-20CN-20.0	F220CN-30	4130 020 5030	TNM 20.0 x 2.0 C 30.0
MA3279-223	LN 9039 - 23 400	4266-20CN-40.0	F220CN-40	4130 020 5040	TNM 20.0 x 2.0 C 40.0
MA3279-273	-	4266-20CN-50.0	F220CN-50	-	TNM 20.0 x 2.0 C 50.0
MA3279-323	-	4266-20CN-60.0	F220CN-60	-	TNM 20.0 x 2.0 C 60.0
	-	-		4130 020 0010	-
	-	-		4130 020 0015	-
MA3279-124	LN 9039 - 24 200	1084-20CN-20.0	F120CN-20	4130 020 0020	TNM 20.0 x 2.5 C 20.0
	-	-		4130 020 0025	-
MA3279-174	LN 9039 - 24 300	1084-20CN-30.0	F120CN-30	4130 020 0030	TNM 20.0 x 2.5 C 30.0
MA3279-224	LN 9039 - 24 400	40.0	F120CN-40	4130 020 0040	TNM 20.0 x 2.5 C 40.0
MA3279-274	-	1084-20CN-50.0	F120CN-50	-	TNM 20.0 x 2.5 C 50.0
MA3279-324	-	1084-20CN-60.0	F120CN-60	4130 020 -0060	TNM 20.0 x 2.5 C 60.0
	-	-		4130 022 4011	-
	-	-		4130 022 4165	-
MA3279-125	LN 9039 - 25 220	3745-22CN-22.0	F422CN-22	4130 022 4022	TNM 22.0 x 1.5 C 22.0
MA3279-175	LN 9039 - 25 330	3745-22CN-33.0	F422CN-33	4130 022 4033	TNM 22.0 x 1.5 C 33.0
MA3279-225	-	3745-22CN-44.0	F422CN-44	4130 022 4044	TNM 22.0 x 1.5 C 44.0
MA3279-275	-	3745-22CN-55.0	F422CN-55	-	TNM 22.0 x 1.5 C 55.0
MA3279-325	-	3745-22CN-66.0	F422CN-66	-	TNM 22.0 x 1.5 C 66.0
MA3279-126	LN 9039 - 26 220	4266-22CN-22.0	F222CN-22	4130 022 0022	TNM 22.0 x 2.0 C 22.0
MA3279-176	LN 9039 - 26 330	4266-22CN-33.0	F222CN-33	4130 022 0033	TNM 22.0 x 2.0 C 33.0
MA3279-226	LN 9039 - 26 440	4266-22CN-44.0	F222CN-44	4130 022 0044	TNM 22.0 x 2.0 C 44.0
MA3279-276	-	4266-22CN-55.0	F222CN-55	-	TNM 22.0 x 2.0 C 55.0
MA3279-326	-	4266-22CN-66.0	F222CN-66	-	TNM 22.0 x 2.0 C 66.0
MA3279-127	LN 9030 - 27 220	1084-22CN-22.0	F122CN-22	-	TNM 22.0 x 2.5 C 22.0
MA3279-177	LN 9030 - 27 330	1084-22CN-33.0	F122CN-33	-	TNM 22.0 x 2.5 C 33.0
MA3279-227	LN 9030 - 27 440	1084-22CN-44.0	F122CN-44	-	TNM 22.0 x 2.5 C 44.0
MA3279-277	-	1084-22CN-55.0	F122CN-55	-	TNM 22.0 x 2.5 C 55.0
MA3279-327	-	1084-22CN-66.0	F122CN-66	-	TNM 22.0 x 2.5 C 66.0
	-	-		4130 024 4012	-
	-	-		4130 024 4018	-
	-	-		4130 024 4024	-
	-	-		4130 024 4036	-
	-	-		4130 024 4048	-

# Free Running Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL SPECIAL PART NUMBER	BRITISH STANDARD	GERMAN STD DIN 8140	P
M24 x 2	-	12.0	-	-		-	
	-	18.0	-	-		-	
	1	24.0	<b>07242</b>	<b>07242MA3279-128</b>	BS7752	DIN 8140 - AM 24.0 x 2.0 x 24.0 A2	
	1.5	36.0	<b>07243</b>	<b>07243MA3279-178</b>	BS7752	DIN 8140 - AM 24.0 x 2.0 x 36.0 A2	
	2	48.0	<b>07244</b>	<b>07244MA3279-228</b>	BS7752	DIN 8140 - AM 24.0 x 2.0 x 48.0 A2	
	2.5	60.0	<b>07245</b>	<b>07245MA3279-278</b>	BS7752	DIN 8140 - AM 24.0 x 2.0 x 60.0 A2	
M24 x 3	3	72.0	<b>07246</b>	<b>07246MA3279-328</b>	BS7752	DIN 8140 - AM 24.0 x 2.0 x 72.0 A2	
	-	12.0	-	-		-	
	-	18.0	-	-		-	
	1	24.0	<b>05242</b>	<b>05242MA3279-129</b>	BS7752	DIN 8140 - AM 24.0 x 24.0 A2	
	-	30.0	-	-		-	
	1.5	36.0	<b>05243</b>	<b>05243MA3279-179</b>	BS7752	DIN 8140 - AM 24.0 x 36.0 A2	
M26 X 1.5	2	48.0	<b>05244</b>	<b>05244MA3279-229</b>	BS7752	DIN 8140 - AM 24.0 x 48.0 A2	
	2.5	60.0	<b>05245</b>	<b>05245MA3279-279</b>	BS7752	DIN 8140 - AM 24.0 x 60.0 A2	
	3	72.0	<b>05246</b>	<b>05246MA3279-329</b>	BS7752	DIN 8140 - AM 24.0 x 72.0 A2	
	-	13.0	-	-		-	
	-	19.5	-	-		-	
	1	26.0	<b>08262</b>			-	
M27 x 1.5	1.5	39.0	<b>08263</b>			-	
	1	27.0	<b>08272</b>			-	
M27 x 2.0	1.5	40.5	<b>08273</b>			-	
	-	13.5	-	-		-	
	-	20.3	-	-		-	
	1	27.0	<b>07272</b>	<b>07272MA3279-130</b>		DIN 8140 - AM 27.0 x 3.0 x 27.0 A2	
	1.5	40.5	<b>07273</b>	<b>07273MA3279-180</b>		DIN 8140 - AM 27.0 x 3.0 x 40.5 A2	
	2	54.0	<b>07274</b>	<b>07274MA3279-230</b>		DIN 8140 - AM 27.0 x 3.0 x 54.0 A2	
M27 x 3.0	2.5	67.5	<b>07275</b>	<b>07275MA2379-280</b>		DIN 8140 - AM 27.0 x 3.0 x 67.5 A2	
	3	81.0	<b>07276</b>	<b>07276MA3279-330</b>		DIN 8140 - AM 27.0 x 3.0 x 81.0 A2	
	1	27.0	<b>05272</b>	<b>05272MA3279-131</b>		DIN 8140 - AM 27.0 x 27.0 A2	
	1.5	40.5	<b>05273</b>	<b>05273MA3279-161</b>		DIN 8140 - AM 27.0 x 40.5 A2	
	2	54.0	<b>05274</b>	<b>05274MA3279-231</b>		DIN 8140 - AM 27.0 x 54.0 A2	
	2.5	67.5	<b>05275</b>	<b>05275MA3279-281</b>		DIN 8140 - AM 27.0 x 67.5 A2	
M30 x 1.5	3	81.0	<b>05276</b>	<b>05276MA3279-331</b>		DIN 8140 - AM 27.0 x 81.0 A2	
	1	15.0	<b>08302</b>			-	
	1.5	22.5	<b>08303</b>			-	
	2	30.0	<b>08304</b>			-	
	2.5	45.0	<b>08305</b>			-	
M30 x 2.0	3	60.0	<b>08306</b>			-	
	-	15.0	-	-		-	
	-	22.5	-	-		-	
	1	30.0	<b>07302</b>	<b>07302MA3279-132</b>		DIN 8140 - AM 30.0 x 2.0 x 30.0 A2	
	1.5	45.0	<b>07303</b>	<b>07303MA3279-182</b>		DIN 8140 - AM 30.0 x 2.0 x 45.0 A2	
	2	60.0	<b>07304</b>	<b>07304MA3279-232</b>		DIN 8140 - AM 30.0 x 2.0 x 60.0 A2	
	2.5	75.0	<b>07305</b>	<b>07305MA3279-282</b>		DIN 8140 - AM 30.0 x 2.0 x 75.0 A2	
3	90.0	<b>07306</b>	<b>07306MA2379-332</b>		DIN 8140 - AM 30.0 x 2.0 x 90.0 A2		
M30 x 3	1	30.0	<b>05302-3</b>	<b>05302-3MA3279-133</b>		DIN 8140 - AM 30.0 x 30.0 A2	
	1.5	45.0	<b>05303-3</b>	<b>05303-3MA3279-183</b>		DIN 8140 - AM 30.0 x 45.0 A2	
	2	60.0	<b>05304-3</b>	<b>05304-3MA3279-233</b>		DIN 8140 - AM 30.0 x 60.0 A2	
	2.5	75.0	<b>05305-3</b>	<b>05305-3MA3279-283</b>		DIN 8140 - AM 30.0 x 75.0 A2	
	3	90.0	<b>05360-3</b>	<b>05360-3MA3279-333</b>		DIN 8140 - AM 30.0 x 90.0 A2	

SAE MA PART NUMBER (USA)	GERMAN AEROSPACE STD LN9039	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF (HELICOIL PLUS) PART NUMBER	COILTHREAD® (KATO) PART NUMBER
	-	-		4130 024 5012	-
	-	-		4130 024 5018	-
MA3279-128	LN 9039 - 29 240	4266-24CN-24.0	F224CN-24	4130 024 5024	TNM 24.0 x 2.0 C 24.0
MA3279-178	LN 9039 - 29 360	4266-24CN-36.0	F224CN-36	4130 024 5036	TNM 24.0 x 2.0 C 36.0
MA3279-228	LN 9039 - 29 480	4266-24CN-48.0	F224CN-48	4130 024 5048	TNM 24.0 x 2.0 C 48.0
MA3279-278	-	4266-24CN-60.0	F224CN-60	-	TNM 24.0 x 2.0 C 60.0
MA3279-328	-	4266-24CN-72.0	F224CN-72	-	TNM 24.0 x 2.0 C 72.0
	-	-		4130 024 0012	-
	-	-		4130 024 0018	-
MA3279-129	LN 9039 - 27 240	1084-24CN-24.0	F124CN-24	4130 024 0024	TNM 24.0 x 3.0 C 24.0
	-	-		4130 024 0030	-
MA3279-179	LN 9039 - 27 360	1084-24CN-36.0	F124CN-36	4130 024 0036	TNM 24.0 x 3.0 C 36.0
MA3279-229	LN 9039 - 27 480	1084-24CN-48.0	F124CN-48	4130 024 0048	TNM 24.0 x 3.0 C 48.0
MA3279-279	-	1084-24CN-60.0	F124CN-60	4130 024 0060	TNM 24.0 x 3.0 C 60.0
MA3279-329	-	1084-24CN-72.0	F124CN-72	-	TNM 24.0 x 3.0 C 72.0
	-	-		4130 026 4013	-
	-	-		4130 026 4195	-
	-	-		4130 026 4026	-
	-	-		4130 026 4039	-
	-	-		4130 027 4027	-
	-	-		4130 027 4405	-
	-	-		4130 027 5135	-
	-	-		4130 027 5203	-
MA3279-130	LN 9039 - 31 270	-		4130 027 5027	TNM 27.0 x 2 C 27.0
MA3279-180	LN 9039 - 31 405	-		4130 027 5405	TNM 27.0 x 2 C 40.5
MA3279-230	-				TNM 27.0 x 2 C 54.0
MA3279-280	-				TNM 27.0 x 2 C 67.5
MA3279-330	-				TNM 27.0 x 2 C 81.0
		-		4130 027 0203	
MA3279-131	LN 9039 - 32 270	-	F127CN-27	4130 027 0027	TNM 27.0 x 3.0 C 27.0
MA3279-161	LN 9039 - 32 405	-	F12740.5	4130 027 0405	TNM 27.0 x 3.0 C 40.5
MA3279-231	LN 9039 - 32 540	-	F127CN-54	4130 027 0054	TNM 27.0 x 3.0 C 54.0
MA3279-281	-	-	F127CN-67.5	-	TNM 27.0 x 3.0 C 67.5
MA3279-331	-				TNM 27.0 x 3.0 C 81.0
	-	-		4130 030 4015	-
	-	-		4130 030 4225	-
	-	-		4130 030 4030	-
	-	-		4130 030 4045	-
	-	-		4130 030 4060	-
	-	-		4130 030 5015	-
	-	-		4130 030 5225	-
MA3279-132	LN 9039 - 34 300	-		4130 030 5030	TNM 30.0 x 2 C 30.0
MA3279-182	LN 9039 - 34 450	-		4130 030 5045	TNM 30.0 x 2 C 45.0
MA3279-232	-	-		4130 030 5060	TNM 30.0 x 2 C 60.0
MA3279-282	-				TNM 30.0 x 2 C 75.0
MA3279-332	-				TNM 30.0 x 2 C 90.0
MA3279-133	LN 9039 - 35 300				TNM 30.0 x 3.0 C 30.0
MA3279-183	LN 9039 - 35 450				TNM 30.0 x 3.0 C 45.0
MA3279-233	LN 9039 - 35 600				TNM 30.0 x 3.0 C 60.0
MA3279-283	-				TNM 30.0 x 3.0 C 75.0
MA3279-333	-				TNM 30.0 x 3.0 C 90.0

# Free Running Metric (cont.)

THREAD SIZE	LENGTH (IN DIA'S)	LENGTH	RECOIL STD PART NUMBER	RECOIL SPECIAL PART NUMBER	BRITISH STANDARD	GERMAN STD DIN 8140	P
M30 x 3.5	-	22.5				-	
	1	30.0	<b>05302</b>			-	
	-	37.5				-	
	1.5	45.0	<b>05303</b>			-	
	2	60.0	<b>05304</b>			-	
	2.5	75.0	<b>05305</b>			-	
	3	90	<b>05306</b>			-	
M33 x 2.0	-	16.5	-	-			
	1	33.0	<b>07332</b>	<b>07332MA3279-134</b>		DIN 8140 - AM 33.0 x 2.0 x 33.0 A2	
	-	41.25	-	-		-	
	1.5	49.5	<b>07333</b>	<b>07333MA3279-184</b>		DIN 8140 - AM 33.0 x 2.0 x 49.5 A2	
	2	66.0	<b>07334</b>	<b>07334MA3279-234</b>		DIN 8140 - AM 33.0 x 2.0 x 66.0 A2	
	2.5	82.5	<b>07335</b>	<b>07335MA3279-284</b>		DIN 8140 - AM 33.0 x 2.0 x 82.5 A2	
	3	99.0	<b>07336</b>	<b>07336MA3279-334</b>		DIN 8140 - AM 33.0 x 2.0 x 99.0 A2	
M33 x 3.0	1	33.0	<b>07332-3</b>	<b>07332-3MA3279-135</b>		DIN 8140 - AM 33.0 x 33.0 A2	
	1.5	49.5	<b>07333-3</b>	<b>07333-3MA3279-185</b>		DIN 8140 - AM 33.0 x 49.5 A2	
	2	66.0	<b>07334-3</b>	<b>07334-3MA3279-235</b>		DIN 8140 - AM 33.0 x 66.0 A2	
	2.5	82.5	<b>07335-3</b>	<b>07335-3MA3279-285</b>		DIN 8140 - AM 33.0 x 82.5 A2	
	3	99.0	<b>07336-3</b>	<b>07336-3MA3279-335</b>		DIN 8140 - AM 33.0 x 99.0 A2	
M33 x 3.5	1	33.0	<b>05332</b>			-	
	1.5	49.5	<b>05333</b>			-	
	2	66.0	<b>05334</b>			-	
M36 x 1.5	-	18.0				-	
	1	36.0	<b>08362</b>			-	
	1.5	54.0	<b>08363</b>			-	
	2	72.0	<b>08364</b>			-	
M36 x 2.0	-	18.0	-	-			
	1	36.0	<b>07362-2</b>	<b>07362-2MA3279-136</b>		DIN 8140 - AM 36.0 x 2.0 x 36.0 A2	
	1.5	54.0	<b>07363-2</b>	<b>07363-2MA3279-186</b>		DIN 8140 - AM 36.0 x 2.0 x 54.0 A2	
	2	72.0	<b>07364-2</b>	<b>07364-2MA3279-236</b>		DIN 8140 - AM 36.0 x 2.0 x 72.0 A2	
	2.5	90.0	<b>07365-2</b>	<b>07365-2MA3279-286</b>		DIN 8140 - AM 36.0 x 2.0 x 90.0 A2	
	3	108	<b>07366-2</b>	<b>07366-2MA3279-336</b>		DIN 8140 - AM 36.0 x 2.0 x 108.0 A2	
M36 x 3.0	1	36.0	<b>07362</b>	<b>07362MA3279-137</b>		DIN 8140 - AM 36.0 x 36.0 A2	
	-	45.0	-	-		-	
	1.5	54.0	<b>07363</b>	<b>07363MA3279-187</b>		DIN 8140 - AM 36.0 x 54.0 A2	
	2	72.0	<b>07364</b>	<b>07364MA3279-237</b>		DIN 8140 - AM 36.0 x 72.0 A2	
	2.5	90.0	<b>07365</b>	<b>07365MA3279-287</b>		DIN 8140 - AM 36.0 x 90.0 A2	
	3	108	<b>07366</b>	<b>07366MA3279-337</b>		DIN 8140 - AM 36.0 x 108.0 A2	
M36 x 4.0	1	36.0	<b>05362</b>			-	
	-	45.0	-			-	
	1.5	54.0	<b>05363</b>			-	
	2	72.0	<b>05364</b>			-	
M39 x 2.0	1	39.0	<b>08392</b>	<b>08392MA3279-138</b>		DIN 8140 - AM 39.0 x 2.0 x 39.0 A2	
	1.5	58.5	<b>08393</b>	<b>08393MA3279-188</b>		DIN 8140 - AM 39.0 x 2.0 x 58.5 A2	
	2	78.0	<b>08394</b>	<b>08394MA3279-238</b>		DIN 8140 - AM 39.0 x 2.0 x 78.0 A2	
	2.5	97.5	<b>08395</b>	<b>08395MA3279-288</b>		DIN 8140 - AM 39.0 x 2.0 x 97.5 A2	
	3	117	<b>08396</b>	<b>08396MA3279-338</b>		DIN 8140 - AM 39.0 x 2.0 x 117.0 A2	
M39 x 3.0	1	39.0	<b>07392</b>	<b>07392MA3279-139</b>		DIN 8140 - AM 39.0 x 39.0 A2	
	1.5	58.5	<b>07393</b>	<b>07393MA3279-189</b>		DIN 8140 - AM 39.0 x 58.5 A2	
	2	78.0	<b>07394</b>	<b>07394MA3279-239</b>		DIN 8140 - AM 39.0 x 78.0 A2	
	2.5	97.5	<b>07394</b>	<b>07394MA3279-289</b>		DIN 8140 - AM 39.0 x 97.5 A2	
	3	117	<b>07396</b>	<b>07396MA3279-339</b>		DIN 8140 - AM 39.0 x 117.0 A2	
M39 x 4.0	1	39.0	<b>05392</b>				
	2	58.5	<b>05393</b>				
	3	78.0	<b>05394</b>				



SAE MA PART NUMBER (USA)	GERMAN AEROSPACE STD LN9039	HELICOIL® USA PART NUMBER	ARMSTRONG PART NUMBER	BOLLHOFF (HELICOIL PLUS) PART NUMBER	COILTHREAD® (KATO) PART NUMBER
	-	-		4130 030 0225	-
	-	-	F130CN-30	4130 030 0030	-
	-	-		4130 030 0375	-
	-	-	F130CN-45	4130 030 0045	-
	-	-	F130CN-60	4130 030 0060	-
	-	-	F130CN-75	-	-
	-	-		-	-
		-		4130 033 5165	
MA3279-134	LN 9039 - 37 330	-		4130 033 5033	TNM 33.0 x 2.0 C 33.0
	-	-		4130 033 5413	-
MA3279-184	LN 9039 - 37 495	-		4130 033 5495	TNM 33.0 x 2.0 C 49.5
MA3279-234	-				TNM 33.0 x 2.0 C 66.0
MA3279-284	-				TNM 33.0 x 2.0 C 82.5
MA3279-334	-				TNM 33.0 x 2.0 C 99.0
MA3279-135	LN 9039 - 38 330				TNM 33.0 x 3.0 C 33.0
MA3279-185	LN 9039 - 38 495				TNM 33.0 x 3.0 C 49.5
MA3279-235	-				TNM 33.0 x 3.0 C 66.0
MA3279-285	-				TNM 33.0 x 3.0 C 82.5
MA3279-335	-				TNM 33.0 x 3.0 C 99.0
	-	-	F133CN-33	4030 033 0033	-
	-	-	F133CN-49.5	4130 033 0495	-
	-	-	F133CN-66	4130 033 0066	-
	-	-		4130 036 4018	-
	-	-		4130 036 4036	-
	-	-		4130 036 4054	-
	-	-		4130 036 4072	-
	-	-		4130 036 5018	
MA3279-136	-	-		4130 036 5036	TNM 36.0 x 2.0 C 36.0
MA3279-186	-	-		4130 036 5054	TNM 36.0 x 2.0 C 56.0
MA3279-236	-				TNM 36.0 x 2.0 C 72.0
MA3279-286	-				TNM 36.0 x 2.0 C 90.0
MA3279-336	-				TNM 36.0 x 2.0 C 108.0
MA3279-137	LN 9039 - 40 360	-		4130 036 6036	TNM 36.0 x 3.0 C 36.0
	-	-		4130 036 6045	-
MA3279-187	LN 9039 - 40 540	-		4130 036 6054	TNM 36.0 x 3.0 C 54.0
MA3279-237	-	-		4130 036 6072	TNM 36.0 x 3.0 C 72.0
MA3279-287	-				TNM 36.0 x 3.0 C 90.0
MA3279-337	-				TNM 36.0 x 3.0 C 108.0
	-	-	F136CN-36	4130 036 0036	-
	-	-		4130 036 0045	-
	-	-	F136CN-54	4130 036 0054	-
	-	-	F136CN-72	4130 036 0072	-
MA3279-138	-				TNM 39.0 x 2 C 39.0
MA3279-188	-				TNM 39.0 x 2 C 58.5
MA3279-238	-				TNM 39.0 x 2 C 78.0
MA3279-288	-				TNM 39.0 x 2 C 97.5
MA3279-338	-				TNM 39.0 x 2 C 117.0
MA3279-139	-				TNM 39.0 x 3.0 C 39.0
MA3279-189	-				TNM 39.0 x 3.0 C 58.5
MA3279-239	-				TNM 39.0 x 3.0 C 78.0
MA3279-289	-				TNM 39.0 x 3.0 C 97.5
MA3279-339	-				TNM 39.0 x 3.0 C 117.0
		-	F139CN-39	-	
		-	F139CN-358.5	-	
		-	F139CN-78	-	

# AGS3700 Nimonic 90 Silver Plated

SIZE	LENGTH (IN DIA'S)	RECOIL® PART NUMBER	AGS PART NUMBER
10-32 UNF	1	14602NAGS3706	AGS3706
	1-1/2	14603NAGS3731	AGS3731
	2	14604NAGS3756	AGS3756
	2-1/2	14605NAGS3781	AGS3781
	3	14606NAGS3718	AGS3718
1/4-28 UNF	1	14042NAGS3707	AGS3707
	1-1/2	14043NAGS3732	AGS3732
	2	14044NAGS3757	AGS3757
	2-1/2	14045NAGS3782	AGS3782
	3	14046NAGS3719	AGS3719
5/16-24 UNF	1	14052NAGS3708	AGS3708
	1-1/2	14053NAGS3733	AGS3733
	2	14054NAGS3758	AGS3758
	2-1/2	14055NAGS3783	AGS3783
	3	14056NAGS3720	AGS3720
3/8-24 UNF	1	14062NAGS3709	AGS3709
	1-1/2	14063NAGS3734	AGS3734
	2	14064NAGS3759	AGS3759
	2-1/2	14065NAGS3784	AGS3784
	3	14066NAGS3721	AGS3721



# Tangless FR

## TANGLESS FREE RUNNING - 304 STAINLESS STEEL

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL PART NUMBER	KATO COILTHREAD TANGLESS PART NUMBER	NA/NAS TANGLESS PART NUMBER	HELICOIL PART NUMBER
METRIC					
M2-0.4	1	TL05022	2TNM-2X.4C-2	---	---
	1.5	TL05023	2TNM-2X.4C-3	---	---
	2	TL05024	2TNM-2X.4C-4	---	---
M2.5-0.45	1	TL05252	2TNM-2.5X.45C-2.5	NA0276M2A-10	T1084-2.5C025
	1.5	TL05253	2TNM-2.5X.45C-3.8	NA0276M2A-15	T1084-2.5C038
	2	TL05254	2TNM-2.5X.45C-5	NA0276M2A-20	T1084-2.5C050
	2.5	TL05255	2TNM-2.5X.45C-6.3	NA0276M2A-25	---
	3	TL05256	2TNM-2.5X.45C-7.5	NA0276M2A-30	---
M3-0.5	1	TL05032	2TNM-3X.5C-3	NA0276M3-10	T1084-3C030
	1.5	TL05033	2TNM-3X.5C-4.5	NA0276M3-15	T1084-3C045
	2	TL05034	2TNM-3X.5C-6	NA0276M3-20	T1084-3C060
	2.5	TL05035	2TNM-3X.5C-7.5	NA0276M3-25	---
	3	TL05036	2TNM-3X.5C-9	NA0276M3-30	---
M4-0.7	1	TL05042	2TNM-4X.7C-4	NA0276M4-10	T1084-4C040
	1.5	TL05043	2TNM-4X.7C-6	NA0276M4-15	T1084-4C060
	2	TL05044	2TNM-4X.7C-8	NA0276M4-20	T1084-4C080
	2.5	TL05045	2TNM-4X.7C-10	NA0276M4-25	---
	3	TL05046	2TNM-4X.7C-12	NA0276M4-30	---
M5-0.8	1	TL05052	2TNM-5X.8C-5	NA0276M5-10	T1084-5C050
	1.5	TL05053	2TNM-5X.8C-7.5	NA0276M5-15	T1084-5C075
	2	TL05054	2TNM-5X.8C-10	NA0276M5-20	T1084-5C100
	2.5	TL05055	2TNM-5X.8C-12.5	NA0276M5-25	---
	3	TL05056	2TNM-5X.8C-15	NA0276M5-30	---
M6-1	1	TL05062	2TNM-6X1C-6	NA0276M6-10	T1084-6C060
	1.5	TL05063	2TNM-6X1C-9	NA0276M6-15	T1084-6C090
	2	TL05064	2TNM-6X1C-12	NA0276M6-20	T1084-6C120
	2.5	TL05065	2TNM-6X1C-15	NA0276M6-25	---
	3	TL05066	2TNM-6X1C-18	NA0276M6-30	---
M8-1.25	1	TL05082	2TNM-8X1.25C-8	NA0276M8-10	---
	1.5	TL05083	2TNM-8X1.25C-12	NA0276M8-15	---
	2	TL05084	2TNM-8X1.25C-16	NA0276M8-20	---
	2.5	TL05085	2TNM-8X1.25C-20	NA0276M8-25	---
	3	TL05086	2TNM-8X1.25C-24	NA0276M8-30	---
M10-1.5	1	TL05102	2TNM-10X1.5C-10	NA0276M10-10	---
	1.5	TL05103	2TNM-10X1.5C-15	NA0276M10-15	---
	2	TL05104	2TNM-10X1.5C-20	NA0276M10-20	---
	2.5	TL05105	2TNM-10X1.5C-25	NA0276M10-25	---
	3	TL05106	2TNM-10X1.5C-30	NA0276M10-30	---
M12-1.75	1	TL05122	2TNM-12X1.75C-12	NA0276M12-10	---
	1.5	TL05123	2TNM-12X1.75C-18	NA0276M12-15	---
	2	TL05124	2TNM-12X1.75C-24	NA0276M12-20	---
	2.5	TL05125	2TNM-12X1.75C-30	NA0276M12-25	---
	3	TL05126	2TNM-12X1.75C-36	NA0276M12-30	---
M14-2	1	TL05142	2TNM-14X2C-14	---	---
	1.5	TL05143	2TNM-14X2C-21	---	---
	2	TL05144	2TNM-14X2C-28	---	---
	2.5	TL05145	2TNM-14X2C-35	---	---
	3	TL05146	2TNM-14X2C-42	---	---
M16-2	1	TL05162	2TNM-16X2C-16	---	---
	1.5	TL05163	2TNM-16X2C-24	---	---
	2	TL05164	2TNM-16X2C-32	---	---
	2.5	TL05165	2TNM-16X2C-40	---	---
	3	---	2TNM-16X2C-48	---	---

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TANGLESS FREE RUNNING - NITRONIC 60 (T)

BOLHOFF PART NUMBER	RECOIL TANGLESS NITRONIC 60 PART NUMBER	KATO COILTHREAD TANGLESS NITRONIC 60 PART NUMBER	NA/NAS TANGLESS NITRONIC 60 PART NUMBER	HELICOIL® NITRONIC 60 PART NUMBER
---	TL05022T	2TNM-2X.4N-2	---	---
---	TL05023T	2TNM-2X.4N-3	---	---
---	TL05024T	2TNM-2X.4N-4	---	---
---	TL05252T	2TNM-2.5X.45N-2.5	---	T1084-2.5E025
---	TL05253T	2TNM-2.5X.45N-3.8	---	T1084-2.5E038
---	TL05254T	2TNM-2.5X.45N-5	---	T1084-2.5E050
---	TL05255T	2TNM-2.5X.45N-6.3	---	---
---	TL05256T	2TNM-2.5X.45N-7.5	---	---
5130 003 0003	TL05032T	2TNM-3X.5N-3	---	T1084-3E030
5130 003 0045	TL05033T	2TNM-3X.5N-4.5	---	T1084-3E045
5130 003 0006	TL05034T	2TNM-3X.5N-6	---	T1084-3E060
---	TL05035T	2TNM-3X.5N-7.5	---	---
---	TL05036T	2TNM-3X.5N-9	---	---
5130 004 0004	TL05042T	2TNM-4X.7N-4	---	T1084-4E040
5130 004 0006	TL05043T	2TNM-4X.7C-6	---	T1084-4E060
5130 004 0008	TL05044T	2TNM-4X.7N-8	---	T1084-4E080
---	TL05045T	2TNM-4X.7N-10	---	---
---	TL05046T	2TNM-4X.7N-12	---	---
5130 005 0005	TL05052T	2TNM-5X.8N-5	---	T1084-5E050
5130 005 0075	TL05053T	2TNM-5X.8N-7.5	---	T1084-5E075
5130 005 0010	TL05054T	2TNM-5X.8N-10	---	T1084-5E100
---	TL05055T	2TNM-5X.8N-12.5	---	---
---	TL05056T	2TNM-5X.8N-15	---	---
5130 006 0006	TL05062T	2TNM-6X1N-6	---	T1084-6E060
5130 006 0009	TL05063T	2TNM-6X1N-9	---	T1084-6E090
5130 006 0012	TL05064T	2TNM-6X1N-12	---	T1084-6E120
---	TL05065T	2TNM-6X1N-15	---	---
---	TL05066T	2TNM-6X1N-18	---	---
5130 008 0008	TL05082T	2TNM-8X1.25N-8	---	---
5130 008 0012	TL05083T	2TNM-8X1.25N-12	---	---
5130 008 0016	TL05084T	2TNM-8X1.25N-16	---	---
---	TL05085T	2TNM-8X1.25N-20	---	---
---	TL05086T	2TNM-8X1.25N-24	---	---
5130 010 0010	TL05102T	2TNM-10X1.5N-10	---	---
5130 010 0015	TL05103T	2TNM-10X1.5N-15	---	---
5130 010 0020	TL05104T	2TNM-10X1.5N-20	---	---
---	TL05105T	2TNM-10X1.5N-25	---	---
---	TL05106T	2TNM-10X1.5N-30	---	---
5130 012 0012	TL05122T	2TNM-12X1.75N-12	---	---
5130 012 0018	TL05123T	2TNM-12X1.75N-18	---	---
5130 012 0024	TL05124T	2TNM-12X1.75N-24	---	---
---	TL05125T	2TNM-12X1.75N-30	---	---
---	TL05126T	2TNM-12X1.75N-36	---	---
5130 014 0014	---	---	---	---
5130 014 0021	---	---	---	---
5130 014 0028	---	---	---	---
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# Tangless FR (cont.)

TANGLESS FREE RUNNING - PHOSPHOR BRONZE (P)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS PHOSPHOR BRONZE PART NUMBER	KATO COILTHREAD TANGLESS PHOSPHOR BRONZE PART NUMBER	NA/NAS TANGLESS PHOSPHOR BRONZE PART NUMBER	HELICOIL TANGLESS PHOSPHOR BRONZE PART NUMBER
METRIC					
M2-0.4	1	TL05022P	2TNM-2X.4P-2	---	---
	1.5	TL05023P	2TNM-2X.4P-3	---	---
	2	TL05024P	2TNM-2X.4P-4	---	---
M2.5-0.45	1	TL05252P	2TNM-2.5X.45P-2.5	---	---
	1.5	TL05253P	2TNM-2.5X.45P-3.8	---	---
	2	TL05254P	2TNM-2.5X.45P-5	---	---
	2.5	TL05255P	2TNM-2.5X.45P-6.3	---	---
	3	TL05256P	2TNM-2.5X.45P-7.5	---	---
M3-0.5	1	TL05032P	2TNM-3X.5P-3	---	---
	1.5	TL05033P	2TNM-3X.5P-4.5	---	---
	2	TL05034P	2TNM-3X.5P-6	---	---
	2.5	TL05035P	2TNM-3X.5P-7.5	---	---
	3	TL05036P	2TNM-3X.5P-9	---	---
M4-0.7	1	TL05042P	2TNM-4X.7P-4	---	---
	1.5	TL05043P	2TNM-4X.7P-6	---	---
	2	TL05044P	2TNM-4X.7P-8	---	---
	2.5	TL05045P	2TNM-4X.7P-10	---	---
	3	TL05046P	2TNM-4X.7P-12	---	---
M5-0.8	1	TL05052P	2TNM-5X.8P-5	---	---
	1.5	TL05053P	2TNM-5X.8P-7.5	---	---
	2	TL05054P	2TNM-5X.8P-10	---	---
	2.5	TL05055P	2TNM-5X.8P-12.5	---	---
	3	TL05056P	2TNM-5X.8P-15	---	---
M6-1	1	TL05062P	2TNM-6X1P-6	---	---
	1.5	TL05063P	2TNM-6X1P-9	---	---
	2	TL05064P	2TNM-6X1P-12	---	---
	2.5	TL05065P	2TNM-6X1P-15	---	---
	3	TL05066P	2TNM-6X1P-18	---	---
M8-1.25	1	TL05082P	2TNM-8X1.25P-8	---	---
	1.5	TL05083P	2TNM-8X1.25P-12	---	---
	2	TL05084P	2TNM-8X1.25P-16	---	---
	2.5	TL05085P	2TNM-8X1.25P-20	---	---
	3	TL05086P	2TNM-8X1.25P-24	---	---
M10-1.5	1	TL05102P	2TNM-10X1.5P-10	---	---
	1.5	TL05103P	2TNM-10X1.5P-15	---	---
	2	TL05104P	2TNM-10X1.5P-20	---	---
	2.5	TL05105P	2TNM-10X1.5P-25	---	---
	3	TL05106P	2TNM-10X1.5P-30	---	---
M12-1.75	1	TL05122P	2TNM-12X1.75P-12	---	---
	1.5	TL05123P	2TNM-12X1.75P-18	---	---
	2	TL05124P	2TNM-12X1.75P-24	---	---
	2.5	TL05125P	2TNM-12X1.75P-30	---	---
	3	TL05126P	2TNM-12X1.75P-36	---	---
M14-2	1	---	---	---	---
	1.5	---	---	---	---
	2	---	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---
M16-2	1	---	---	---	---
	1.5	---	---	---	---
	2	---	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---

Heli-Coil® is a registered trademark of Newfrey LLC. CoilThread® is a registered trademark of Advanex Inc.



# Tangless FR (cont.)

## TANGLESS FREE RUNNING - STRIPFEED (SF)

## TANGLESS FREE

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS STRIPFEED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER	NA/NAS TANGLESS STRIPFEED PART NUMBER	HELICOIL TANGLESS STRIPFEED PART NUMBER
M2-0.4	1	TL05022SF	2TNM-2X.4C-2SF	---	---
	1.5	TL05023SF	2TNM-2X.4C-3SF	---	---
	2	TL05024SF	2TNM-2X.4C-4SF	---	---
M2.5-0.45	1	TL05252SF	2TNM-2.5X.45C-2.5SF	---	T1084-2.5C025S
	1.5	TL05253SF	2TNM-2.5X.45C-3.8SF	---	T1084-2.5C038S
	2	TL05254SF	2TNM-2.5X.45C-5SF	---	T1084-2.5C050S
	2.5	TL05255SF	2TNM-2.5X.45C-6.3SF	---	---
	3	TL05256SF	2TNM-2.5X.45C-7.5SF	---	---
M3-0.5	1	TL05032SF	2TNM-3X.5C-3SF	---	T1084-3C030S
	1.5	TL05033SF	2TNM-3X.5C-4.5SF	---	T1084-3C045S
	2	TL05034SF	2TNM-3X.5C-6SF	---	T1084-3C060S
	2.5	TL05035SF	2TNM-3X.5C-7.5SF	---	---
	3	TL05036SF	2TNM-3X.5C-9SF	---	---
M4-0.7	1	TL05042SF	2TNM-4X.7C-4SF	---	T1084-4C040S
	1.5	TL05043SF	2TNM-4X.7C-6SF	---	T1084-4C060S
	2	TL05044SF	2TNM-4X.7C-8SF	---	T1084-4C080S
	2.5	TL05045SF	2TNM-4X.7C-10SF	---	---
	3	TL05046SF	2TNM-4X.7C-12SF	---	---
M5-0.8	1	TL05052SF	2TNM-5X.8C-5SF	---	T1084-5C050S
	1.5	TL05053SF	2TNM-5X.8C-7.5SF	---	T1084-5C075S
	2	TL05054SF	2TNM-5X.8C-10SF	---	T1084-5C100S
	2.5	TL05055SF	2TNM-5X.8C-12.5SF	---	---
	3	TL05056SF	2TNM-5X.8C-15SF	---	---
M6-1	1	TL05062SF	2TNM-6X1C-6SF	---	T1084-6C060S
	1.5	TL05063SF	2TNM-6X1C-9SF	---	T1084-6C090S
	2	TL05064SF	2TNM-6X1C-12SF	---	T1084-6C120S
	2.5	TL05065SF	2TNM-6X1C-15SF	---	---
	3	TL05066SF	2TNM-6X1C-18SF	---	---
M8-1.25	1	TL05082SF	2TNM-8X1.25C-8SF	---	---
	1.5	TL05083SF	2TNM-8X1.25C-12SF	---	---
	2	TL05084SF	2TNM-8X1.25C-16SF	---	---
	2.5	TL05085SF	2TNM-8X1.25C-20SF	---	---
	3	TL05086SF	2TNM-8X1.25C-24SF	---	---
M10-1.5	1	TL05102SF	2TNM-10X1.5C-10SF	---	---
	1.5	TL05103SF	2TNM-10X1.5C-15SF	---	---
	2	TL05104SF	2TNM-10X1.5C-20SF	---	---
	2.5	TL05105SF	2TNM-10X1.5C-25SF	---	---
	3	TL05106SF	2TNM-10X1.5C-30SF	---	---
M12-1.75	1	TL05122SF	---	---	---
	1.5	TL05123SF	---	---	---
	2	TL05124SF	---	---	---
	2.5	TL05125SF	---	---	---
	3	TL05126SF	---	---	---
M14-2	1	---	---	---	---
	1.5	---	---	---	---
	2	---	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---
M16-2	1	---	---	---	---
	1.5	---	---	---	---
	2	---	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---

RECOIL TANGLESS CAD PLATED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER
TL05022C	2TNM-2X.4C-2SF
TL05023C	2TNM-2X.4C-3SF
TL05024C	2TNM-2X.4C-4SF
TL05252C	2TNM-2.5X.45C-2.5SF
TL05253C	2TNM-2.5X.45C-3.8SF
TL05254C	2TNM-2.5X.45C-5SF
TL05255C	2TNM-2.5X.45C-6.3SF
TL05256C	2TNM-2.5X.45C-7.5SF
TL05032C	2TNM-3X.5C-3SF
TL05033C	2TNM-3X.5C-4.5SF
TL05034C	2TNM-3X.5C-6SF
TL05035C	2TNM-3X.5C-7.5SF
TL05036C	2TNM-3X.5C-9SF
TL05042C	2TNM-4X.7C-4SF
TL05043C	2TNM-4X.7C-6SF
TL05044C	2TNM-4X.7C-8SF
TL05045C	2TNM-4X.7C-10SF
TL05046C	2TNM-4X.7C-12SF
TL05052C	2TNM-5X.8C-5SF
TL05053C	2TNM-5X.8C-7.5SF
TL05054C	2TNM-5X.8C-10SF
TL05055C	2TNM-5X.8C-12.5SF
TL05056C	2TNM-5X.8C-15SF
TL05062C	2TNM-6X1C-6SF
TL05063C	2TNM-6X1C-9SF
TL05064C	2TNM-6X1C-12SF
TL05065C	2TNM-6X1C-15SF
TL05066C	2TNM-6X1C-18SF
TL05082C	2TNM-8X1.25C-8SF
TL05083C	2TNM-8X1.25C-12SF
TL05084C	2TNM-8X1.25C-16SF
TL05085C	2TNM-8X1.25C-20SF
TL05086C	2TNM-8X1.25C-24SF
TL05102C	2TNM-10X1.5C-10SF
TL05103C	2TNM-10X1.5C-15SF
TL05104C	2TNM-10X1.5C-20SF
TL05105C	2TNM-10X1.5C-25SF
TL05106C	2TNM-10X1.5C-30SF
TL05122C	2TNM-12X1.75C-12SF
TL05123C	2TNM-12X1.75C-18SF
TL05124C	2TNM-12X1.75C-24SF
TL05125C	2TNM-12X1.75C-30SF
TL05126C	2TNM-12X1.75C-36SF
TL05142C	---
TL05143C	---
TL05144C	---
TL05145C	---
TL05146C	---
TL05162C	---
TL05163C	---
TL05164C	---
TL05165C	---
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Heli-Coil® is a registered trademark of Newfrey LLC. CoilThread® is a registered trademark of Advanex Inc.



FREE RUNNING - CAD PLATED (C)

TANGLESS FREE RUNNING - DRY FIL LUBE (D)

COILTHREAD CAD PLATED PART NUMBER	NA/NAS TANGLESS CAD PLATED PART NUMBER	HELICOIL® TANGLESS CAD PLATED PART NUMBER
2X.4C-2Y	---	---
2X.4C-3Y	---	---
2X.4C-4Y	---	---
2X.45C-2.5Y	NA0276M2A-10P	T1084-2.5C025Y
2X.45C-3.8Y	NA0276M2A-15P	T1084-2.5C038Y
2X.45C-5Y	NA0276M2A-20P	T1084-2.5C050Y
2X.45C-6.3Y	NA0276M2A-25P	---
2X.45C-7.5Y	NA0276M2A-30P	---
2X.5C-3Y	NA0276M3-10P	T1084-3C030Y
2X.5C-4.5Y	NA0276M3-15P	T1084-3C045Y
2X.5C-6Y	NA0276M3-20P	T1084-3C060Y
2X.5C-7.5Y	NA0276M3-25P	---
2X.5C-9Y	NA0276M3-30P	---
2X.7C-4Y	NA0276M4-10P	T1084-4C040Y
2X.7C-6Y	NA0276M4-15P	T1084-4C060Y
2X.7C-8Y	NA0276M4-20P	T1084-4C080Y
2X.7C-10Y	NA0276M4-25P	---
2X.7C-12Y	NA0276M4-30P	---
2X.8C-5Y	NA0276M5-10P	T1084-5C050Y
2X.8C-7.5Y	NA0276M5-15P	T1084-5C075Y
2X.8C-10Y	NA0276M5-20P	T1084-5C100Y
2X.8C-12.5Y	NA0276M5-25P	---
2X.8C-15Y	NA0276M5-30P	---
2X1C-6Y	NA0276M6-10P	T1084-6C060Y
2X1C-9Y	NA0276M6-15P	T1084-6C090Y
2X1C-12Y	NA0276M6-20P	T1084-6C120Y
2X1C-15Y	NA0276M6-25P	---
2X1C-18Y	NA0276M6-30P	---
2X1.25C-8Y	NA0276M8-10P	---
2X1.25C-12Y	NA0276M8-15P	---
2X1.25C-16Y	NA0276M8-20P	---
2X1.25C-20Y	NA0276M8-25P	---
2X1.25C-24Y	NA0276M8-30P	---
2X1.5C-10Y	NA0276M10-10P	---
2X1.5C-15Y	NA0276M10-15P	---
2X1.5C-20Y	NA0276M10-20P	---
2X1.5C-25Y	NA0276M10-25P	---
2X1.5C-30Y	NA0276M10-30P	---
2X1.75C-12Y	NA0276M12-10P	---
2X1.75C-18Y	NA0276M12-15P	---
2X1.75C-24Y	NA0276M12-20P	---
2X1.75C-30Y	NA0276M12-25P	---
2X1.75C-36Y	NA0276M12-30P	---
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RECOIL TANGLESS DRY FILM LUBE PART NUMBER	KATO COILTHREAD TANGLESS DRY FILM LUBE PART NUMBER	NA/NAS TANGLESS DRY FILM LUBE PART NUMBER	HELICOIL® TANGLESS DRY FILM LUBE PART NUMBER
TL05022D	2TNM-2X.4C-2W	---	---
TL05023D	2TNM-2X.4C-3W	---	---
TL05024D	2TNM-2X.4C-4W	---	---
TL05252D	2TNM-2.5X.45C-2.5W	NA0276M2A-10D	T1084-2.5C025W
TL05253D	2TNM-2.5X.45C-3.8W	NA0276M2A-15D	T1084-2.5C038W
TL05254D	2TNM-2.5X.45C-5W	NA0276M2A-20D	T1084-2.5C050W
TL05255D	2TNM-2.5X.45C-6.3W	NA0276M2A-25D	---
TL05256D	2TNM-2.5X.45C-7.5W	NA0276M2A-30D	---
TL05032D	2TNM-3X.5C-3W	NA0276M3-10D	T1084-3C030W
TL05033D	2TNM-3X.5C-4.5W	NA0276M3-15D	T1084-3C045W
TL05034D	2TNM-3X.5C-6W	NA0276M3-20D	T1084-3C060W
TL05035D	2TNM-3X.5C-7.5W	NA0276M3-25D	---
TL05036D	2TNM-3X.5C-9W	NA0276M3-30D	---
TL05042D	2TNM-4X.7C-4W	NA0276M4-10D	T1084-4C040W
TL05043D	2TNM-4X.7C-6W	NA0276M4-15D	T1084-4C060W
TL05044D	2TNM-4X.7C-8W	NA0276M4-20D	T1084-4C080W
TL05045D	2TNM-4X.7C-10W	NA0276M4-25D	---
TL05046D	2TNM-4X.7C-12W	NA0276M4-30D	---
TL05052D	2TNM-5X.8C-5W	NA0276M5-10D	T1084-5C050W
TL05053D	2TNM-5X.8C-7.5W	NA0276M5-15D	T1084-5C075W
TL05054D	2TNM-5X.8C-10W	NA0276M5-20D	T1084-5C100W
TL05055D	2TNM-5X.8C-12.5W	NA0276M5-25D	---
TL05056D	2TNM-5X.8C-15W	NA0276M5-30D	---
TL05062D	2TNM-6X1C-6W	NA0276M6-10D	T1084-6C060W
TL05063D	2TNM-6X1C-9W	NA0276M6-15D	T1084-6C090W
TL05064D	2TNM-6X1C-12W	NA0276M6-20D	T1084-6C120W
TL05065D	2TNM-6X1C-15W	NA0276M6-25D	---
TL05066D	2TNM-6X1C-18W	NA0276M6-30D	---
TL05082D	2TNM-8X1.25C-8W	NA0276M8-10D	---
TL05083D	2TNM-8X1.25C-12W	NA0276M8-15D	---
TL05084D	2TNM-8X1.25C-16W	NA0276M8-20D	---
TL05085D	2TNM-8X1.25C-20W	NA0276M8-25D	---
TL05086D	2TNM-8X1.25C-24W	NA0276M8-30D	---
TL05102D	2TNM-10X1.5C-10W	NA0276M10-10D	---
TL05103D	2TNM-10X1.5C-15W	NA0276M10-15D	---
TL05104D	2TNM-10X1.5C-20W	NA0276M10-20D	---
TL05105D	2TNM-10X1.5C-25W	NA0276M10-25D	---
TL05106D	2TNM-10X1.5C-30W	NA0276M10-30D	---
TL05122D	2TNM-12X1.75C-12W	NA0276M12-10D	---
TL05123D	2TNM-12X1.75C-18W	NA0276M12-15D	---
TL05124D	2TNM-12X1.75C-24W	NA0276M12-20D	---
TL05125D	2TNM-12X1.75C-30W	NA0276M12-25D	---
TL05126D	2TNM-12X1.75C-36W	NA0276M12-30D	---
TL05142D	---	---	---
TL05143D	---	---	---
TL05144D	---	---	---
TL05145D	---	---	---
TL05146D	---	---	---
TL05162D	---	---	---
TL05163D	---	---	---
TL05164D	---	---	---
TL05165D	---	---	---
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# Tangless FR (cont.)

TANGLESS UNIFIED COARSE - FREE RUNNING - 304 STAINLESS STEEL

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL PART NUMBER	KATO COILTHREAD TANGLESS PART NUMBER	NA/NAS TANGLESS PART NUMBER	HELICOIL PART NUMBER
UNIFIED COARSE					
#2-56	1	TL03522	2TNC-02C-0086	NAS1130-02-10	T1185-02C086
	1.5	TL03523	2TNC-02C-0129	NAS1130-02-15	T1185-02C129
	2	TL03524	2TNC-02C-0172	NAS1130-02-20	T1185-02C172
	2.5	TL03525	2TNC-02C-0215	NAS1130-02-25	---
	3	TL03526	2TNC-02C-0258	NAS1130-02-30	---
#4-40	1	TL03542	2TNC-04C-0112	NAS1130-04-10	T1185-04C112
	1.5	TL03543	2TNC-04C-0168	NAS1130-04-15	T1185-04C168
	2	TL03544	2TNC-04C-0224	NAS1130-04-20	T1185-04C224
	2.5	TL03545	2TNC-04C-0280	NAS1130-04-25	---
	3	TL03546	2TNC-04C-0336	NAS1130-04-30	---
#6-32	1	TL03562	2TNC-06C-0138	NAS1130-06-10	T1185-06C138
	1.5	TL03563	2TNC-06C-0207	NAS1130-06-15	T1185-06C207
	2	TL03564	2TNC-06C-0276	NAS1130-06-20	T1185-06C276
	2.5	TL03565	2TNC-06C-0345	NAS1130-06-25	---
	3	TL03566	2TNC-06C-0414	NAS1130-06-30	---
#8-32	1	TL03582	2TNC-2C-0164	NAS1130-08-10	T1185-2C164
	1.5	TL03583	2TNC-2C-0246	NAS1130-08-15	T1185-2C246
	2	TL03584	2TNC-2C-0328	NAS1130-08-20	T1185-2C328
	2.5	TL03585	2TNC-2C-0410	NAS1130-08-25	---
	3	TL03586	2TNC-2C-0492	NAS1130-08-30	---
#10-24	1	TL03602	2TNC-3C-0190	NAS1130-3C-10	T1185-3C190
	1.5	TL03603	2TNC-3C-0285	NAS1130-3C-15	T1185-3C285
	2	TL03604	2TNC-3C-0380	NAS1130-3C-20	T1185-3C380
	2.5	TL03605	2TNC-3C-0475	NAS1130-3C-25	---
	3	TL03606	2TNC-3C-0570	NAS1130-3C-30	---
1/4-20	1	TL03042	2TNC-4C-0250	NAS1130-4-10	T1185-4C250
	1.5	TL03043	2TNC-4C-0375	NAS1130-4-15	T1185-4C375
	2	TL03044	2TNC-4C-0500	NAS1130-4-20	T1185-4C500
	2.5	TL03045	2TNC-4C-0625	NAS1130-4-25	---
	3	TL03046	2TNC-4C-0750	NAS1130-4-30	---
5/16-18	1	TL03052	2TNC-5C-0312	NAS1130-5C-10	---
	1.5	TL03053	2TNC-5C-0469	NAS1130-5C-15	---
	2	TL03054	2TNC-5C-0625	NAS1130-5C-20	---
	2.5	TL03055	2TNC-5C-0781	NAS1130-5C-25	---
	3	TL03056	2TNC-5C-0938	NAS1130-5C-30	---
3/8-16	1	TL03062	2TNC-6C-0375	NAS1130-6C-10	---
	1.5	TL03063	2TNC-6C-0562	NAS1130-6C-15	---
	2	TL03064	2TNC-6C-0750	NAS113-06C-20	---
	2.5	TL03065	2TNC-6C-0938	NAS113-06C-25	---
	3	TL03066	---	---	---
1/2-13	1	TL03082	---	---	---
	1.5	TL03083	---	---	---
	2	TL03084	---	---	---
	2.5	TL03085	---	---	---
	3	TL03086	---	---	---

## TANGLESS UNIFIED COARSE - FREE RUNNING - NITRONIC 60 (T)

BOLHOFF PART NUMBER	RECOIL TANGLESS NITRONIC 60 PART NUMBER	KATO COILTHREAD TANGLESS NITRONIC 60 PART NUMBER	NA/NAS TANGLESS NITRONIC 60 PART NUMBER	HELICOIL® NITRONIC 60 PART NUMBER
---	TL03522T	2TNC-02N-0086	---	T1185-02E086
---	TL03523T	2TNC-02N-0129	---	T1185-02E129
---	TL03524T	2TNC-02N-0172	---	T1185-02E172
---	TL03525T	2TNC-02N-0215	---	---
---	TL03526T	2TNC-02N-0258	---	---
5130 065 6004	TL03542T	2TNC-04N-0112	---	T1185-04E112
5130 065 6006	TL03543T	2TNC-04N-0168	---	T1185-04E168
5130 065 6008	TL03544T	2TNC-04N-0224	---	T1185-04E224
---	TL03545T	2TNC-04N-0280	---	---
---	TL03546T	2TNC-04N-0336	---	---
5130 067 6004	TL03562T	2TNC-06N-0138	---	T1185-06E138
5130 067 6006	TL03563T	2TNC-06N-0207	---	T1185-06E207
5130 067 6008	TL03564T	2TNC-06N-0276	---	T1185-06E276
---	TL03565T	2TNC-06N-0345	---	---
---	TL03566T	2TNC-06N-0414	---	---
5130 068 6004	TL03582T	2TNC-2N-0164	---	T1185-2E164
5130 068 6006	TL03583T	2TNC-2N-0246	---	T1185-2E246
5130 068 6008	TL03584T	2TNC-2N-0328	---	T1185-2E328
---	TL03585T	2TNC-2N-0410	---	---
---	TL03586T	2TNC-2N-0492	---	---
---	TL03602T	2TNC-3N-0190	---	T1185-3E190
---	TL03603T	2TNC-3N-0285	---	T1185-3E285
---	TL03604T	2TNC-3N-0380	---	T1185-3E380
---	TL03605T	2TNC-3N-0475	---	---
---	TL03606T	2TNC-3N-0570	---	---
5130 074 6004	TL03042T	2TNC-4N-0250	---	T1185-4E250
5130 074 6006	TL03043T	2TNC-4N-0375	---	T1185-4E375
5130 074 6008	TL03044T	2TNC-4N-0500	---	T1185-4E500
---	TL03045T	2TNC-4N-0625	---	---
---	TL03046T	2TNC-4N-0750	---	---
---	TL03052T	2TNC-5N-0312	---	---
---	TL03053T	2TNC-5N-0469	---	---
---	TL03054T	2TNC-5N-0625	---	---
---	TL03055T	2TNC-5N-0781	---	---
---	TL03056T	2TNC-5N-0938	---	---
---	TL03062T	2TNC-6N-0375	---	---
---	TL03063T	2TNC-6N-0562	---	---
---	TL03064T	2TNC-6N-0750	---	---
---	TL03065T	2TNC-6N-0938	---	---
---	TL03066T	---	---	---
---	TL03082T	---	---	---
---	TL03083T	---	---	---
---	TL03084T	---	---	---
---	TL03085T	---	---	---
---	TL03086T	---	---	---

# Tangless FR (cont.)

## TANGLESS UNIFIED COARSE - FREE RUNNING - PHOSPHOR BRONZE (P)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS PHOSPHOR BRONZE PART NUMBER	KATO COILTHREAD TANGLESS PHOSPHOR BRONZE PART NUMBER	NA/NAS TANGLESS PHOSPHOR BRONZE PART NUMBER	HELICOIL TANGLESS PHOSPHOR BRONZE PART NUMBER
UNIFIED COARSE					
#2-56	1	TL03522P	2TNC-02P-0086	---	---
	1.5	TL03523P	2TNC-02P-0129	---	---
	2	TL03524P	2TNC-02P-0172	---	---
	2.5	TL03525P	2TNC-02P-0215	---	---
	3	TL03526P	2TNC-02P-0258	---	---
#4-40	1	TL03542P	2TNC-04P-0112	---	---
	1.5	TL03543P	2TNC-04P-0168	---	---
	2	TL03544P	2TNC-04P-0224	---	---
	2.5	TL03545P	2TNC-04P-0280	---	---
	3	TL03546P	2TNC-04P-0336	---	---
#6-32	1	TL03562P	2TNC-06P-0138	---	---
	1.5	TL03563P	2TNC-06P-0207	---	---
	2	TL03564P	2TNC-06P-0276	---	---
	2.5	TL03565P	2TNC-06P-0345	---	---
	3	TL03566P	2TNC-06P-0414	---	---
#8-32	1	TL03582P	2TNC-2P-0164	---	---
	1.5	TL03583P	2TNC-2P-0246	---	---
	2	TL03584P	2TNC-2P-0328	---	---
	2.5	TL03585P	2TNC-2P-0410	---	---
	3	TL03586P	2TNC-2P-0492	---	---
#10-24	1	TL03602P	2TNC-3P-0190	---	---
	1.5	TL03603P	2TNC-3P-0285	---	---
	2	TL03604P	2TNC-3P-0380	---	---
	2.5	TL03605P	2TNC-3P-0475	---	---
	3	TL03606P	2TNC-3P-0570	---	---
1/4-20	1	TL03042P	2TNC-4P-0250	---	---
	1.5	TL03043P	2TNC-4P-0375	---	---
	2	TL03044P	2TNC-4P-0500	---	---
	2.5	TL03045P	2TNC-4P-0625	---	---
	3	TL03046P	2TNC-4P-0750	---	---
5/16-18	1	TL03052P	2TNC-5P-0312	---	---
	1.5	TL03053P	2TNC-5P-0469	---	---
	2	TL03054P	2TNC-5P-0625	---	---
	2.5	TL03055P	2TNC-5P-0781	---	---
	3	TL03056P	2TNC-5P-0938	---	---
3/8-16	1	TL03062P	2TNC-6P-0375	---	---
	1.5	TL03063P	2TNC-6P-0562	---	---
	2	TL03064P	2TNC-6P-0750	---	---
	2.5	TL03065P	2TNC-6P-0938	---	---
	3	TL03066P	---	---	---
1/2-13	1	TL03082P	---	---	---
	1.5	TL03083P	---	---	---
	2	TL03084P	---	---	---
	2.5	TL03085P	---	---	---
	3	TL03086P	---	---	---

TANGLESS UNIFIED COARSE - FREE RUNNING - INCONEL X750 (X)

RECOIL TANGLESS INCONEL X750 PART NUMBER	KATO COILTHREAD TANGLESS INCONEL X750 PART NUMBER	NA/NAS TANGLESS INCONEL X750 PART NUMBER	HELICOIL® TANGLESS INCONEL X750 PART NUMBER
TL03522X	2TNC-02T-0086	---	---
TL03523X	2TNC-02T-0129	---	---
TL03524X	2TNC-02T-0172	---	---
TL03525X	2TNC-02T-0215	---	---
TL03526X	2TNC-02T-0258	---	---
TL03542X	2TNC-04T-0112	---	---
TL03543X	2TNC-04T-0168	---	---
TL03544X	2TNC-04T-0224	---	---
TL03545X	2TNC-04T-0280	---	---
TL03546X	2TNC-04T-0336	---	---
TL03562X	2TNC-06T-0138	---	---
TL03563X	2TNC-06T-0207	---	---
TL03564X	2TNC-06T-0276	---	---
TL03565X	2TNC-06T-0345	---	---
TL03566X	2TNC-06T-0414	---	---
TL03582X	2TNC-2T-0164	---	---
TL03583X	2TNC-2T-0246	---	---
TL03584X	2TNC-2T-0328	---	---
TL03585X	2TNC-2T-0410	---	---
TL03586X	2TNC-2T-0492	---	---
TL03602X	2TNC-3T-0190	---	---
TL03603X	2TNC-3T-0285	---	---
TL03604X	2TNC-3T-0380	---	---
TL03605X	2TNC-3T-0475	---	---
TL03606X	2TNC-3T-0570	---	---
TL03042X	2TNC-4T-0250	---	---
TL03043X	2TNC-4T-0375	---	---
TL03044X	2TNC-4T-0500	---	---
TL03045X	2TNC-4T-0625	---	---
TL03046X	2TNC-4T-0750	---	---
TL03052X	2TNC-5T-0312	---	---
TL03053X	2TNC-5T-0469	---	---
TL03054X	2TNC-5T-0625	---	---
TL03055X	2TNC-5T-0781	---	---
TL03056X	2TNC-5T-0938	---	---
TL03062X	2TNC-6T-0375	---	---
TL03063X	2TNC-6T-0562	---	---
TL03064X	2TNC-6T-0750	---	---
TL03065X	2TNC-6T-0938	---	---
TL03066X		---	---
TL03082X	---	---	---
TL03083X	---	---	---
TL03084X	---	---	---
TL03085X	---	---	---
TL03086X	---	---	---

# Tangless FR (cont.)

## TANGLISS UNIFIED COARSE - FREE RUNNING - STRIPFEED (SF)

## TANGLISS UNIFIED COARSE - FREE RUNNING - STRIPFEED (SF)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS STRIPFEED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER	NA/NAS TANGLESS STRIPFEED PART NUMBER	HELICOIL TANGLESS STRIPFEED PART NUMBER
#2-56	1	TL03522SF	2CNC-02C-0086SF	---	T1185-02E086S
	1.5	TL03523SF	2CNC-02C-0129SF	---	T1185-02E129S
	2	TL03524SF	2CNC-02C-0172SF	---	T1185-02E172S
	2.5	TL03525SF	2CNC-02C-0215SF	---	---
	3	TL03526SF	2CNC-02C-0258SF	---	---
#4-40	1	TL03542SF	2CNC-04C-0112SF	---	T1185-04E112S
	1.5	TL03543SF	2CNC-04C-0168SF	---	T1185-04E168S
	2	TL03544SF	2CNC-04C-0224SF	---	T1185-04E224S
	2.5	TL03545SF	2CNC-04C-0280SF	---	---
	3	TL03546SF	2CNC-04C-0336SF	---	---
#6-32	1	TL03562SF	2CNC-06C-0138SF	---	T1185-06E138S
	1.5	TL03563SF	2CNC-06C-0207SF	---	T1185-06E207S
	2	TL03564SF	2CNC-06C-0276SF	---	T1185-06E276S
	2.5	TL03565SF	2CNC-06C-0345SF	---	---
	3	TL03566SF	2CNC-06C-0414SF	---	---
#8-32	1	TL03582SF	2CNC-2C-0164SF	---	T1185-2E164S
	1.5	TL03583SF	2CNC-2C-0246SF	---	T1185-2E246S
	2	TL03584SF	2CNC-2C-0328SF	---	T1185-2E328S
	2.5	TL03585SF	2CNC-2C-0410SF	---	---
	3	TL03586SF	2CNC-2C-0492SF	---	---
#10-24	1	TL03602SF	2CNC-3C-0190SF	---	T1185-3E190S
	1.5	TL03603SF	2CNC-3C-0285SF	---	T1185-3E285S
	2	TL03604SF	2CNC-3C-0380SF	---	T1185-3E380S
	2.5	TL03605SF	2CNC-3C-0475SF	---	---
	3	TL03606SF	2CNC-3C-0570SF	---	---
1/4-20	1	TL03042SF	2CNC-4C-0250SF	---	T1185-4E250S
	1.5	TL03043SF	2CNC-4C-0375SF	---	T1185-4E375S
	2	TL03044SF	2CNC-4C-0500SF	---	T1185-4E500S
	2.5	TL03045SF	2CNC-4C-0625SF	---	---
	3	TL03046SF	2CNC-4C-0750SF	---	---
5/16-18	1	TL03052SF	---	---	---
	1.5	TL03053SF	---	---	---
	2	TL03054SF	---	---	---
	2.5	TL03055SF	---	---	---
	3	TL03056SF	---	---	---
3/8-16	1	TL03062SF	---	---	---
	1.5	TL03063SF	---	---	---
	2	TL03064SF	---	---	---
	2.5	TL03065SF	---	---	---
	3	TL03066SF	---	---	---
1/2-13	1	TL03062SF	---	---	---
	1.5	TL03063SF	---	---	---
	2	TL03064SF	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---

RECOIL TANGLESS CAD PLATED PART NUMBER	KATO COILTHREAD TANGLESS CAD PLATED PART NUMBER
TL03522C	2CNC-02C-0086C
TL03523C	2CNC-02C-0129C
TL03524C	2CNC-02C-0172C
TL03525C	2CNC-02C-0215C
TL03526C	2CNC-02C-0258C
TL03542C	2CNC-04C-0112C
TL03543C	2CNC-04C-0168C
TL03544C	2CNC-04C-0224C
TL03545C	2CNC-04C-0280C
TL03546C	2CNC-04C-0336C
TL03562C	2CNC-06C-0138C
TL03563C	2CNC-06C-0207C
TL03564C	2CNC-06C-0276C
TL03565C	2CNC-06C-0345C
TL03566C	2CNC-06C-0414C
TL03582C	2CNC-2C-0164C
TL03583C	2CNC-2C-0246C
TL03584C	2CNC-2C-0328C
TL03585C	2CNC-2C-0410C
TL03586C	2CNC-2C-0492C
TL03602C	2CNC-3C-0190C
TL03603C	2CNC-3C-0285C
TL03604C	2CNC-3C-0380C
TL03605C	2CNC-3C-0475C
TL03606C	2CNC-3C-0570C
TL03042C	2CNC-4C-0250C
TL03043C	2CNC-4C-0375C
TL03044C	2CNC-4C-0500C
TL03045C	2CNC-4C-0625C
TL03046C	2CNC-4C-0750C
TL03052C	2CNC-5C-0164C
TL03053C	2CNC-5C-0246C
TL03054C	2CNC-5C-0328C
TL03055C	2CNC-5C-0410C
TL03056C	2CNC-5C-0492C
TL03062C	2CNC-6C-0112C
TL03063C	2CNC-6C-0168C
TL03064C	2CNC-6C-0224C
TL03065C	2CNC-6C-0280C
TL03066C	2CNC-6C-0336C
TL03082C	2CNC-8C-0112C
TL03083C	2CNC-8C-0168C
TL03084C	2CNC-8C-0224C
TL03085C	2CNC-8C-0280C
TL03086C	2CNC-8C-0336C

LESS UNIFIED COARSE -  
 RUNNING - CAD PLATED (C)

COILTHREAD CAD PLATED PART NUMBER	NA/NAS TANGLESS CAD PLATED PART NUMBER	HELICOIL® TANGLESS CAD PLATED PART NUMBER
COARSE		
C-0086Y	NAS1130-02-10P	T1185-02E086Y
C-0129Y	NAS1130-02-15P	T1185-02E129Y
C-0172Y	NAS1130-02-20P	T1185-02E172Y
C-0215Y	NAS1130-02-25P	---
C-0258Y	NAS1130-02-30P	---
C-0112Y	NAS1130-04-10P	T1185-04E112Y
C-0168Y	NAS1130-04-15P	T1185-04E168Y
C-0224Y	NAS1130-04-20P	T1185-04E224Y
C-0280Y	NAS1130-04-25P	---
C-0336Y	NAS1130-04-30P	---
C-0138Y	NAS1130-06-10P	T1185-06E138Y
C-0207Y	NAS1130-06-15P	T1185-06E207Y
C-0276Y	NAS1130-06-20P	T1185-06E276Y
C-0345Y	NAS1130-06-25P	---
C-0414Y	NAS1130-06-30P	---
C-0164Y	NAS1130-08-10P	T1185-2E164Y
C-0246Y	NAS1130-08-15P	T1185-2E246Y
C-0328Y	NAS1130-08-20P	T1185-2E328Y
C-0410Y	NAS1130-08-25P	---
C-0492Y	NAS1130-08-30P	---
C-0190Y	NAS1130-3C-10P	T1185-3E190Y
C-0285Y	NAS1130-3C-15P	T1185-3E285Y
C-0380Y	NAS1130-3C-20P	T1185-3E380Y
C-0475Y	NAS1130-3C-25P	---
C-0570Y	NAS1130-3C-30P	---
C-0250Y	NAS1130-4-10P	T1185-4E250Y
C-0375Y	NAS1130-4-15P	T1185-4E375Y
C-0500Y	NAS1130-4-20P	T1185-4E500Y
C-0625Y	NAS1130-4-25P	---
C-0750Y	NAS1130-4-30P	---
C-0312Y	NAS1130-5C-10P	---
C-0469Y	NAS1130-5C-15P	---
C-0625Y	NAS1130-5C-20P	---
C-0781Y	NAS1130-5C-25P	---
C-0938Y	NAS1130-5C-30P	---
C-0375Y	NAS1130-6C-10P	---
C-0562Y	NAS1130-6C-15P	---
C-0750Y	NAS113-06C-20P	---
C-0938Y	NAS113-06C-25P	---
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TANGLESS UNIFIED COARSE - FREE RUNNING -  
 DRY FILM LUBE (D)

RECOIL TANGLESS DRY FILM LUBE PART NUMBER	KATO COILTHREAD TANGLESS DRY FILM LUBE PART NUMBER	NA/NAS TANGLESS DRY FILM LUBE PART NUMBER	HELICOIL® TANGLESS DRY FILM LUBE PART NUMBER
<b>TL03522D</b>	2CNC-02C-0086W	NAS1130-02-10D	T1185-02CW086
<b>TL03523D</b>	2CNC-02C-0129W	NAS1130-02-15	T1185-02CW129
<b>TL03524D</b>	2CNC-02C-0172W	NAS1130-02-20D	T1185-02CW172
<b>TL03525D</b>	2CNC-02C-0215W	NAS1130-02-25D	---
<b>TL03526D</b>	2CNC-02C-0258W	NAS1130-02-30D	---
<b>TL03542D</b>	2CNC-04C-0112W	NAS1130-04-10D	T1185-04CW112
<b>TL03543D</b>	2CNC-04C-0168W	NAS1130-04-15D	T1185-04CW168
<b>TL03544D</b>	2CNC-04C-0224W	NAS1130-04-20D	T1185-04CW224
<b>TL03545D</b>	2CNC-04C-0280W	NAS1130-04-25D	---
<b>TL03546D</b>	2CNC-04C-0336W	NAS1130-04-30D	---
<b>TL03562D</b>	2CNC-06C-0138W	NAS1130-06-10D	T1185-06CW138
<b>TL03563D</b>	2CNC-06C-0207W	NAS1130-06-15D	T1185-06CW207
<b>TL03564D</b>	2CNC-06C-0276W	NAS1130-06-20D	T1185-06CW276
<b>TL03565D</b>	2CNC-06C-0345W	NAS1130-06-25D	---
<b>TL03566D</b>	2CNC-06C-0414W	NAS1130-06-30D	---
<b>TL03582D</b>	2CNC-2C-0164W	NAS1130-08-10D	T1185-2CW164
<b>TL03583D</b>	2CNC-2C-0246W	NAS1130-08-15D	T1185-2CW246
<b>TL03584D</b>	2CNC-2C-0328W	NAS1130-08-20D	T1185-2CW328
<b>TL03585D</b>	2CNC-2C-0410W	NAS1130-08-25D	---
<b>TL03586D</b>	2CNC-2C-0492W	NAS1130-08-30D	---
<b>TL03602D</b>	2CNC-3C-0190W	NAS1130-3C-10D	T1185-3CW190
<b>TL03603D</b>	2CNC-3C-0285W	NAS1130-3C-15D	T1185-3CW285
<b>TL03604D</b>	2CNC-3C-0380W	NAS1130-3C-20D	T1185-3CW380
<b>TL03605D</b>	2CNC-3C-0475W	NAS1130-3C-25D	---
<b>TL03606D</b>	2CNC-3C-0570W	NAS1130-3C-30D	---
<b>TL03042D</b>	2CNC-4C-0250W	NAS1130-4-10D	T1185-4CW250
<b>TL03043D</b>	2CNC-4C-0375W	NAS1130-4-15D	T1185-4CW375
<b>TL03044D</b>	2CNC-4C-0500W	NAS1130-4-20D	T1185-4CW500
<b>TL03045D</b>	2CNC-4C-0625W	NAS1130-4-25D	---
<b>TL03046D</b>	2CNC-4C-0750W	NAS1130-4-30D	---
<b>TL03052D</b>	2CNC-5C-0312W	NAS1130-5C-10D	---
<b>TL03053D</b>	2CNC-5C-0469W	NAS1130-5C-15D	---
<b>TL03054D</b>	2CNC-5C-0625W	NAS1130-5C-20D	---
<b>TL03055D</b>	2CNC-5C-0781W	NAS1130-5C-25D	---
<b>TL03056D</b>	2CNC-5C-0938W	NAS1130-5C-30D	---
<b>TL03062D</b>	2CNC-6C-0375W	NAS1130-6C-10D	---
<b>TL03063D</b>	2CNC-6C-0562W	NAS1130-6C-15D	---
<b>TL03064D</b>	2CNC-6C-0750W	NAS113-06C-20D	---
<b>TL03065D</b>	2CNC-6C-0938W	NAS113-06C-25D	---
<b>TL03066D</b>	---	---	---
<b>TL03082D</b>	---	---	---
<b>TL03083D</b>	---	---	---
<b>TL03084D</b>	---	---	---
<b>TL03085D</b>	---	---	---
<b>TL03086D</b>	---	---	---

# Tangless FR (cont.)

TANGLESS UNIFIED FINE - FREE RUNNING - 304 STAINLESS STEEL

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL PART NUMBER	KATO COILTHREAD TANGLESS PART NUMBER	NA/NAS TANGLESS PART NUMBER	HELICOIL PART NUMBER	UNIFIED FINISH
#10-32	1	TL04602	2TNF-3C-0190	NAS1130-3-10	T1191-3C190	
	1.5	TL04603	2TNF-3C-0285	NAS1130-3-15	T1191-3C285	
	2	TL04604	2TNF-3C-0380	NAS1130-3-20	T1191-3C380	
	2.5	TL04605	2TNF-3C-0475	NAS1130-3-25	---	
	3	TL04606	2TNF-3C-0570	NAS1130-3-30	---	
1/4-28	1	TL04042	2TNF-4C-0250	NAS1130-4F-10	T1191-4C250	
	1.5	TL04043	2TNF-4C-0375	NAS1130-4F-15	T1191-4C375	
	2	TL04044	2TNF-4C-0500	NAS1130-4F-20	T1191-4C500	
	2.5	TL04045	2TNF-4C-0625	NAS1130-4F-25	---	
	3	TL04046	2TNF-4C-0750	NAS1130-4F-30	---	
5/16-24	1	TL04052	2TNF-5C-0312	NAS1130-5F-10	---	
	1.5	TL04053	2TNF-5C-0469	NAS1130-5F-15	---	
	2	TL04054	2TNF-5C-0625	NAS1130-5F-20	---	
	2.5	TL04055	2TNF-5C-0781	NAS1130-5F-25	---	
	3	TL04056	---	---	---	
3/8-24	1	TL04062	2TNF-6C-0375	NAS1130-6F-10	---	
	1.5	TL04063	2TNF-6C-0562	NAS1130-6F-15	---	
	2	TL04064	2TNF-6C-0750	NAS1130-6F-20	---	
	2.5	---	---	---	---	
	3	---	---	---	---	



TANGLESS UNIFIED FINE - FREE RUNNING - NITRONIC 60 (T)

BOLHOFF PART NUMBER	RECOIL TANGLESS NITRONIC 60 PART NUMBER	KATO COILTHREAD TANGLESS NITRONIC 60 PART NUMBER	NA/NAS TANGLESS NITRONIC 60 PART NUMBER	HELICOIL® NITRONIC 60 PART NUMBER
5130 069 7004	TL04602T	2TNF-3N-0190	---	T1191-3E190
5130 069 7006	TL04603T	2TNF-3N-0285	---	T1191-3E285
5130 069 7008	TL04604T	2TNF-3N-0380	---	T1191-3E380
---	TL04605T	2TNF-3N-0475	---	---
---	TL04606T	2TNF-3N-0570	---	---
5130 074 7004	TL04042T	2TNF-4N-0250	---	T1191-4E250
5130 074 7006	TL04043T	2TNF-4N-0375	---	T1191-4E375
5130 074 7008	TL04044T	2TNF-4N-0500	---	T1191-4E500
---	TL04045T	2TNF-4N-0625	---	---
---	TL04046T	2TNF-4N-0750	---	---
---	TL04052T	2TNF-5N-0312	---	---
---	TL04053T	2TNF-5N-0469	---	---
---	TL04054T	2TNF-5N-0625	---	---
---	TL04055T	2TNF-5N-0781	---	---
---	TL04056T	---	---	---
---	TL04062T	2TNF-6N-0375	---	---
---	TL04063T	2TNF-6N-0562	---	---
---	TL04064T	2TNF-6N-0750	---	---
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# Tangless FR (cont.)

## TANGLESS UNIFIED FINE - FREE RUNNING - PHOSPHOR BRONZE (P)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS PHOSPHOR BRONZE PART NUMBER	KATO COILTHREAD TANGLESS PHOSPHOR BRONZE PART NUMBER	NA/NAS TANGLESS PHOSPHOR BRONZE PART NUMBER	HELICOIL TANGLESS PHOSPHOR BRONZE PART NUMBER
UNIFIED FINE					
#10-32	1	TL04602P	2TNF-3P-0190	---	---
	1.5	TL04603P	2TNF-3P-0285	---	---
	2	TL04604P	2TNF-3P-0380	---	---
	2.5	TL04605P	2TNF-3P-0475	---	---
	3	TL04606P	2TNF-3P-0570	---	---
1/4-28	1	TL04042P	2TNF-4P-0250	---	---
	1.5	TL04043P	2TNF-4P-0375	---	---
	2	TL04044P	2TNF-4P-0500	---	---
	2.5	TL04045P	2TNF-4P-0625	---	---
	3	TL04046P	2TNF-4P-0750	---	---
5/16-24	1	TL04052P	2TNF-5P-0312	---	---
	1.5	TL04053P	2TNF-5P-0469	---	---
	2	TL04054P	2TNF-5P-0625	---	---
	2.5	TL04055P	2TNF-5P-0781	---	---
	3	TL04056P	---	---	---
3/8-24	1	TL04062P	2TNF-6P-0375	---	---
	1.5	TL04063P	2TNF-6P-0562	---	---
	2	TL04064P	2TNF-6P-0750	---	---
	2.5	---	---	---	---
	3	---	---	---	---

TANGLESS UNIFIED FINE - FREE RUNNING - INCONEL X750 (X)

RECOIL TANGLESS INCONEL X750 PART NUMBER	KATO COILTHREAD TANGLESS INCONEL X750 PART NUMBER	NA/NAS TANGLESS INCONEL X750 PART NUMBER	HELICOIL® TANGLESS INCONEL X750 PART NUMBER
TL04602X	2TNF-3T-0190	---	---
TL04603X	2TNF-3T-0285	---	---
TL04604X	2TNF-3T-0380	---	---
TL04605X	2TNF-3T-0475	---	---
TL04606X	2TNF-3T-0570	---	---
TL04042X	2TNF-4T-0250	---	---
TL04043X	2TNF-4T-0375	---	---
TL04044X	2TNF-4T-0500	---	---
TL04045X	2TNF-4T-0625	---	---
TL04046X	2TNF-4T-0750	---	---
TL04052X	2TNF-5T-0312	---	---
TL04053X	2TNF-5T-0469	---	---
TL04054X	2TNF-5T-0625	---	---
TL04055X	2TNF-5T-0781	---	---
TL04056X	---	---	---
TL04062X	2TNF-6T-0375	---	---
TL04063X	2TNF-6T-0562	---	---
TL04064X	2TNF-6T-0750	---	---
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# Tangless FR (cont.)

## TANGLESS UNIFIED FINE - FREE RUNNING -STRIPFEED (SF)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS STRIPFEED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER	NA/NAS TANGLESS STRIPFEED PART NUMBER	HELICOIL TANGLESS STRIPFEED PART NUMBER
#10-32	1	TL04602SF	2TNF-3T-0190SF	---	T1191-3C190S
	1.5	TL04603SF	2TNF-3T-0285SF	---	T1191-3C285S
	2	TL04604SF	2TNF-3T-0380SF	---	T1191-3C380S
	2.5	TL04605SF	2TNF-3T-0475SF	---	---
	3	TL04606SF	2TNF-3T-0570SF	---	---
1/4-28	1	TL04042SF	2TNF-4T-0250SF	---	T1191-4C250S
	1.5	TL04043SF	2TNF-4T-0375SF	---	T1191-4C375S
	2	TL04044SF	2TNF-4T-0500SF	---	T1191-4C500S
	2.5	TL04045SF	2TNF-4T-0625SF	---	---
	3	TL04046SF	2TNF-4T-0750SF	---	---
5/16-24	1	TL04052SF	---	---	---
	1.5	TL04053SF	---	---	---
	2	TL04054SF	---	---	---
	2.5	TL04055SF	---	---	---
	3	---	---	---	---
3/8-24	1	TL04062SF	---	---	---
	1.5	TL04063SF	---	---	---
	2	TL04064SF	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---

RECOIL TANGLESS CAD PLATED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER
TL04602C	2TNF-3C
TL04603C	2TNF-3C
TL04604C	2TNF-3C
TL04605C	2TNF-3C
TL04606C	2TNF-3C
TL04042C	2TNF-4C
TL04043C	2TNF-4C
TL04044C	2TNF-4C
TL04045C	2TNF-4C
TL04046C	2TNF-4C
TL04052C	2TNF-5C
TL04053C	2TNF-5C
TL04054C	2TNF-5C
TL04055C	2TNF-5C
TL04056C	---
TL04062C	2TNF-6C
TL04063C	2TNF-6C
TL04064C	2TNF-6C
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TANGLESS UNIFIED FINE -  
FREE RUNNING - CAD PLATED (C)

COILTHREAD CAD PLATED PART NUMBER	NA/NAS TANGLESS CAD PLATED PART NUMBER	HELICOIL® TANGLESS CAD PLATED PART NUMBER
<b>D FINE</b>		
T1191-3C-0190Y	---	T1191-3C190Y
T1191-3C-0285Y	---	T1191-3C285Y
T1191-3C-0380Y	---	T1191-3C380Y
T1191-3C-0475Y	---	---
T1191-3C-0570Y	---	---
T1191-4C-0250Y	---	T1191-4C250Y
T1191-4C-0375Y	---	T1191-4C375Y
T1191-4C-0500Y	---	T1191-4C500Y
T1191-4C-0625Y	---	---
T1191-4C-0750Y	---	---
T1191-5C-0312Y	---	---
T1191-5C-0469Y	---	---
T1191-5C-0625Y	---	---
T1191-5C-0781Y	---	---
T1191-6C-0375Y	---	---
T1191-6C-0562Y	---	---
T1191-6C-0750Y	---	---
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TANGLESS UNIFIED FINE -  
FREE RUNNING - DRY FILM LUBE (D)

RECOIL TANGLESS DRY FILM LUBE PART NUMBER	KATO COILTHREAD TANGLESS DRY FILM LUBE PART NUMBER	NA/NAS TANGLESS DRY FILM LUBE PART NUMBER	HELICOIL® TANGLESS DRY FILM LUBE PART NUMBER
<b>TL04602D</b>	2TNF-3C-0190W	---	T1191-3C190W
<b>TL04603D</b>	2TNF-3C-0285W	---	T1191-3C285W
<b>TL04604D</b>	2TNF-3C-0380W	---	T1191-3C380W
<b>TL04605D</b>	2TNF-3C-0475W	---	---
<b>TL04606D</b>	2TNF-3C-0570W	---	---
<b>TL04042D</b>	2TNF-4C-0250W	---	T1191-4C250W
<b>TL04043D</b>	2TNF-4C-0375W	---	T1191-4C375W
<b>TL04044D</b>	2TNF-4C-0500W	---	T1191-4C500W
<b>TL04045D</b>	2TNF-4C-0625W	---	---
<b>TL04046D</b>	2TNF-4C-0750W	---	---
<b>TL04052D</b>	2TNF-5C-0312W	---	---
<b>TL04053D</b>	2TNF-5C-0469W	---	---
<b>TL04054D</b>	2TNF-5C-0625W	---	---
<b>TL04055D</b>	2TNF-5C-0781W	---	---
<b>TL04056D</b>	---	---	---
<b>TL04062D</b>	2TNF-6C-0375W	---	---
<b>TL04063D</b>	2TNF-6C-0562W	---	---
<b>TL04064D</b>	2TNF-6C-0750W	---	---
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# Metric Tangless Locking

TANGLESS METRIC - LOCKING - 304 STAINLESS STEEL

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL PART NUMBER	KATO COILTHREAD TANGLESS PART NUMBER	NA/NAS TANGLESS PART NUMBER	HELICOIL PART NUMBER	METRIC
M2.5-0.45	1	<b>TL15252</b>	2TLM-2.5X.45C-2.5	NA0276M2AL-10	T4184-2.5C025	
	1.5	<b>TL15253</b>	2TLM-2.5X.45C-3.8	NA0276M2AL-15	T4184-2.5C038	
	2	<b>TL15254</b>	2TLM-2.5X.45C-5	NA0276M2AL-20	T4184-2.5C050	
	2.5	<b>TL15255</b>	2TLM-2.5X.45C-6.3	NA0276M2AL-25	---	
	3	<b>TL15256</b>	2TLM-2.5X.45C-7.5	NA0276M2AL-30	---	
M3-0.5	1	<b>TL15032</b>	2TLM-3X.5C-3	NA0276M3LL-10	T4184-3C030	
	1.5	<b>TL15033</b>	2TLM-3X.5C-4.5	NA0276M3L-15	T4184-3C045	
	2	<b>TL15034</b>	2TLM-3X.5C-6	NA0276M3L-20	T4184-3C060	
	2.5	<b>TL15035</b>	2TLM-3X.5C-9	NA0276M3L-25	---	
	3	<b>TL15036</b>	2TLM-3X.5C-8	NA0276M3L-30	---	
M4-0.7	1	<b>TL15042</b>	2TLM-4X.7C-4	NA0276M4L-10	T4184-4C040	
	1.5	<b>TL15043</b>	2TLM-4X.7C-6	NA0276M4L-15	T4184-4C060	
	2	<b>TL15044</b>	2TLM-4X.7C-8	NA0276M4L-20	T4184-4C080	
		<b>TL15045</b>	2TLM-4X.7C-10	NA0276M4L-25	---	
		<b>TL15046</b>	2TLM-4X.7C-12	NA0276M4L-30	---	
M5-0.8	1	<b>TL15052</b>	2TLM-5X.8C-5	NA0276M5L-10	T4184-5C050	
	1.5	<b>TL15053</b>	2TLM-5X.8C-7.5	NA0276M5L-15	T4184-5C075	
	2	<b>TL15054</b>	2TLM-5X.8C-10	NA0276M5L-20	T4184-5C100	
	2.5	<b>TL15055</b>	2TLM-5X.8C-12.5	NA0276M5L-25	---	
	3	<b>TL15056</b>	2TLM-5X.8C-15	NA0276M5L-30	---	
M6-1	1	<b>TL15062</b>	2TLM-6X1C-6	NA0276M6L-10	T4184-6C060	
	1.5	<b>TL15063</b>	2TLM-6X1C-9	NA0276M6L-15	T4184-6C090	
	2	<b>TL15064</b>	2TLM-6X1C-12	NA0276M6L-20	T4184-61120	
	2.5	<b>TL15065</b>	2TLM-6X1C-15	NA0276M6L-25	---	
	3	<b>TL15066</b>	2TLM-6X1C-18	NA0276M6L-30	---	
M8-1.25	1	<b>TL15082</b>	2TLM-8X1.25C-8	NA0276M8L-10	---	
	1.5	<b>TL15083</b>	2TLM-8X1.25C-12	NA0276M8L-15	---	
	2	<b>TL15084</b>	2TLM-8X1.25C-16	NA0276M8L-20	---	
	2.5	<b>TL15085</b>	2TLM-8X1.25C-20	NA0276M8L-25	---	
	3	<b>TL15086</b>	2TLM-8X1.25C-24	NA0276M8L-30	---	
M10-1.5	1	<b>TL15102</b>	2TLM-10X1.5C-10	NA0276M10L-10	---	
	1.5	<b>TL15103</b>	2TLM-10X1.5C-15	NA0276M10L-15	---	
	2	<b>TL15104</b>	2TLM-10X1.5C-20	NA0276M10L-20	---	
	2.5	<b>TL15105</b>	2TLM-10X1.5C-25	NA0276M10L-25	---	
	3	<b>TL15106</b>	2TLM-10X1.5C-30	NA0276M10L-30	---	
M12-1.75	1	<b>TL15122</b>	2TLM-12X1.75C-12	NA0276M12L-10	---	
	1.5	<b>TL15123</b>	2TLM-12X1.75C-18	NA0276M12L-15	---	
	2	<b>TL15124</b>	2TLM-12X1.75C-24	NA0276M12L-20	---	
	2.5	<b>TL15125</b>	2TLM-12X1.75C-30	NA0276M12L-25	---	
	3	<b>TL15126</b>	2TLM-12X1.75C-36	NA0276M12L-30	---	

TANGLESS METRIC - LOCKING - NITRONIC 60 (T)

BOLHOFF PART NUMBER	RECOIL TANGLESS NITRONIC 60 PART NUMBER	KATO COILTHREAD TANGLESS NITRONIC 60 PART NUMBER	NA/NAS TANGLESS NITRONIC 60 PART NUMBER	HELICOIL® NITRONIC 60 PART NUMBER
	TL15252T	2TLM-2.5X.45N-2.5	---	T4184-2.5E025
	TL15253T	2TLM-2.5X.45N-3.8	---	T4184-2.5E038
	TL15254T	2TLM-2.5X.45N-5	---	T4184-2.5E050
	TL15255T	2TLM-2.5X.45N-6.3	---	---
	TL15256T	2TLM-2.5X.45N-7.5	---	---
5132 003 0003	TL15032T	2TLM-3X.5N-3	---	T4184-3E030
5132 003 0045	TL15033T	2TLM-3X.5N-4.5	---	T4184-3E045
5132 003 0006	TL15034T	2TLM-3X.5N-6	---	T4184-3E060
---	TL15035T	2TLM-3X.5N-9	---	---
---	TL15036T	2TLM-3X.5N-8	---	---
5132 004 0004	TL15042T	2TLM-4X.7N-4	---	T4184-4E040
5132 004 0006	TL15043T	2TLM-4X.7N-6	---	T4184-4E060
5132 004 0008	TL15044T	2TLM-4X.7N-8	---	T4184-4E080
---	TL15045T	2TLM-4X.7N-10	---	---
---	TL15046T	2TLM-4X.7N-12	---	---
5132 005 0005	TL15052T	2TLM-5X.8N-5	---	T4184-5E050
5132 005 0075	TL15053T	2TLM-5X.8N-7.5	---	T4184-5E075
5132 005 0010	TL15054T	2TLM-5X.8N-10	---	T4184-5E100
---	TL15055T	2TLM-5X.8N-12.5	---	---
---	TL15056T	2TLM-5X.8N-15	---	---
5132 006 0006	TL15062T	2TLM-6X1N-6	---	T4184-6E060
5132 006 0009	TL15063T	2TLM-6X1N-9	---	T4184-6E090
5132 006 0012	TL15064T	2TLM-6X1N-12	---	T4184-6E120
---	TL15065T	2TLM-6X1N-15	---	---
---	TL15066T	2TLM-6X1N-18	---	---
5132 008 0008	TL15082T	2TLM-8X1.25N-8	---	---
5132 008 0012	TL15083T	2TLM-8X1.25N-12	---	---
5132 008 0016	TL15084T	2TLM-8X1.25N-16	---	---
---	TL15085T	2TLM-8X1.25N-20	---	---
---	TL15086T	2TLM-8X1.25N-24	---	---
5132 010 0010	TL15102T	2TLM-10X1.5N-10	---	---
5132 010 0015	TL15103T	2TLM-10X1.5N-15	---	---
5132 010 0020	TL15104T	2TLM-10X1.5N-20	---	---
---	TL15105T	2TLM-10X1.5N-25	---	---
---	TL15106T	2TLM-10X1.5N-30	---	---
---	TL15122T	2TLM-12X1.75N-12	---	---
---	TL15123T	2TLM-12X1.75N-18	---	---
---	TL15124T	2TLM-12X1.75N-24	---	---
---	TL15125T	2TLM-12X1.75N-30	---	---
---	TL15126T	2TLM-12X1.75N-36	---	---

# Metric Tangless Locking

TANGLESS METRIC - LOCKING - PHOSPHOR BRONZE (P)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS PHOSPHOR BRONZE PART NUMBER	KATO COILTHREAD TANGLESS PHOSPHOR BRONZE PART NUMBER	NA/NAS TANGLESS PHOSPHOR BRONZE PART NUMBER	HELICOIL TANGLESS PHOSPHOR BRONZE PART NUMBER
METRIC					
M2.5-0.45	1	TL15252P	2TLM-2.5X.45P-2.5	---	---
	1.5	TL15253P	2TLM-2.5X.45P-3.8	---	---
	2	TL15254P	2TLM-2.5X.45P-5	---	---
	2.5	TL15255P	2TLM-2.5X.45P-6.3	---	---
	3	TL15256P	2TLM-2.5X.45P-7.5	---	---
M3-0.5	1	TL15032P	2TLM-3X.5P-3	---	---
	1.5	TL15033P	2TLM-3X.5P-4.5	---	---
	2	TL15034P	2TLM-3X.5P-6	---	---
	2.5	TL15035P	2TLM-3X.5P-9	---	---
	3	TL15036P	2TLM-3X.5P-8	---	---
M4-0.7	1	TL15042P	2TLM-4X.7P-4	---	---
	1.5	TL15043P	2TLM-4X.7P-6	---	---
	2	TL15044P	2TLM-4X.7P-8	---	---
		TL15045P	2TLM-4X.7P-10	---	---
		TL15046P	2TLM-4X.7P-12	---	---
M5-0.8	1	TL15052P	2TLM-5X.8P-5	---	---
	1.5	TL15053P	2TLM-5X.8P-7.5	---	---
	2	TL15054P	2TLM-5X.8P-10	---	---
	2.5	TL15055P	2TLM-5X.8P-12.5	---	---
	3	TL15056P	2TLM-5X.8P-15	---	---
M6-1	1	TL15062P	2TLM-6X1P-6	---	---
	1.5	TL15063P	2TLM-6X1P-9	---	---
	2	TL15064P	2TLM-6X1P-12	---	---
	2.5	TL15065P	2TLM-6X1P-15	---	---
	3	TL15066P	2TLM-6X1P-18	---	---
M8-1.25	1	TL15082P	2TLM-8X1.25P-8	---	---
	1.5	TL15083P	2TLM-8X1.25P-12	---	---
	2	TL15084P	2TLM-8X1.25P-16	---	---
	2.5	TL15085P	2TLM-8X1.25P-20	---	---
	3	TL15086P	2TLM-8X1.25P-24	---	---
M10-1.5	1	TL15102P	2TLM-10X1.5P-10	---	---
	1.5	TL15103P	2TLM-10X1.5P-15	---	---
	2	TL15104P	2TLM-10X1.5P-20	---	---
	2.5	TL15105P	2TLM-10X1.5P-25	---	---
	3	TL15106P	2TLM-10X1.5P-30	---	---
M12-1.75	1	TL15122P	2TLM-12X1.75P-12	---	---
	1.5	TL15123P	2TLM-12X1.75P-18	---	---
	2	TL15124P	2TLM-12X1.75P-24	---	---
	2.5	TL15125P	2TLM-12X1.75P-30	---	---
	3	TL15126P	2TLM-12X1.75P-36	---	---



TANGLESS METRIC - LOCKING - INCONEL X750 (X)

RECOIL TANGLESS INCONEL X750 PART NUMBER	KATO COILTHREAD TANGLESS INCONEL X750 PART NUMBER	NA/NAS TANGLESS INCONEL X750 PART NUMBER	HELICOIL® TANGLESS INCONEL X750 PART NUMBER
TL15252X	2TLM-2.5X.45T-2.5	---	---
TL15253X	2TLM-2.5X.45T-3.8	---	---
TL15254X	2TLM-2.5X.45T-5	---	---
TL15255X	2TLM-2.5X.45T-6.3	---	---
TL15256X	2TLM-2.5X.45T-7.5	---	---
TL15032X	2TLM-3X.5T-3	---	---
TL15033X	2TLM-3X.5T-4.5	---	---
TL15034X	2TLM-3X.5T-6	---	---
TL15035X	2TLM-3X.5T-9	---	---
TL15036X	2TLM-3X.5T-8	---	---
TL15042X	2TLM-4X.7T-4	---	---
TL15043X	2TLM-4X.7T-6	---	---
TL15044X	2TLM-4X.7T-8	---	---
TL15045X	2TLM-4X.7T-10	---	---
TL15046X	2TLM-4X.7T-12	---	---
TL15052X	2TLM-5X.8T-5	---	---
TL15053X	2TLM-5X.8T-7.5	---	---
TL15054X	2TLM-5X.8T-10	---	---
TL15055X	2TLM-5X.8T-12.5	---	---
TL15056X	2TLM-5X.8T-15	---	---
TL15062X	2TLM-6X1T-6	---	---
TL15063X	2TLM-6X1T-9	---	---
TL15064X	2TLM-6X1T-12	---	---
TL15065X	2TLM-6X1T-15	---	---
TL15066X	2TLM-6X1T-18	---	---
TL15082X	2TLM-8X1.25T-8	---	---
TL15083X	2TLM-8X1.25T-12	---	---
TL15084X	2TLM-8X1.25T-16	---	---
TL15085X	2TLM-8X1.25T-20	---	---
TL15086X	2TLM-8X1.25T-24	---	---
TL15102X	2TLM-10X1.5T-10	---	---
TL15103X	2TLM-10X1.5T-15	---	---
TL15104X	2TLM-10X1.5T-20	---	---
TL15105X	2TLM-10X1.5T-25	---	---
TL15106X	2TLM-10X1.5T-30	---	---
TL15122X	2TLM-12X1.75T-12	---	---
TL15123X	2TLM-12X1.75T-18	---	---
TL15124X	2TLM-12X1.75T-24	---	---
TL15125X	2TLM-12X1.75T-30	---	---
TL15126X	2TLM-12X1.75T-36	---	---

# Metric Tangless Locking

## TANGLESS METRIC - LOCKING - STRIPFEED (SF)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS STRIPFEED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER	NA/NAS TANGLESS STRIPFEED PART NUMBER	HELICOIL TANGLESS STRIPFEED PART NUMBER
M2.5-0.45	1	TL15252SF	2TLM-2.5X.45C-2.5SF	---	T4184-2.5C025S
	1.5	TL15253SF	2TLM-2.5X.45C-3.8SF	---	T4184-2.5C038S
	2	TL15254SF	2TLM-2.5X.45C-5SF	---	T4184-2.5C050S
	2.5	TL15255SF	2TLM-2.5X.45C-6.3SF	---	---
	3	TL15256SF	2TLM-2.5X.45C-7.5SF	---	---
M3-0.5	1	TL15032SF	2TLM-3X.5C-3SF	---	T4184-3C030S
	1.5	TL15033SF	2TLM-3X.5C-4.5SF	---	T4184-3C045S
	2	TL15034SF	2TLM-3X.5C-6SF	---	T4184-3C060S
	2.5	TL15035SF	2TLM-3X.5C-9SF	---	---
	3	TL15036SF	2TLM-3X.5C-8SF	---	---
M4-0.7	1	TL15042SF	2TLM-4X.7C-4SF	---	T4184-4C040S
	1.5	TL15043SF	2TLM-4X.7C-6SF	---	T4184-4C060S
	2	TL15044SF	2TLM-4X.7C-8SF	---	T4184-4C080S
		TL15045SF	2TLM-4X.7C-10SF	---	---
		TL15046SF	2TLM-4X.7C-12SF	---	---
M5-0.8	1	TL15052SF	2TLM-5X.8C-5SF	---	T4184-5C050S
	1.5	TL15053SF	2TLM-5X.8C-7.5SF	---	T4184-5C075S
	2	TL15054SF	2TLM-5X.8C-10SF	---	T4184-5C100S
	2.5	TL15055SF	2TLM-5X.8C-12.5SF	---	---
	3	TL15056SF	2TLM-5X.8C-15SF	---	---
M6-1	1	TL15062SF	2TLM-6X1C-6SF	---	T4184-6C060S
	1.5	TL15063SF	2TLM-6X1C-9SF	---	T4184-6C090S
	2	TL15064SF	2TLM-6X1C-12SF	---	T4184-61120S
	2.5	TL15065SF	2TLM-6X1C-15SF	---	---
	3	TL15066SF	2TLM-6X1C-18SF	---	---
M8-1.25	1	TL15082SF	2TLM-8X1.25C-8SF	---	---
	1.5	TL15083SF	2TLM-8X1.25C-12SF	---	---
	2	TL15084SF	2TLM-8X1.25C-16SF	---	---
	2.5	TL15085SF	2TLM-8X1.25C-20SF	---	---
	3	TL15086SF	2TLM-8X1.25C-24SF	---	---
M10-1.5	1	TL15102SF	2TLM-10X1.5C-10SF	---	---
	1.5	TL15103SF	2TLM-10X1.5C-15SF	---	---
	2	TL15104SF	2TLM-10X1.5C-20SF	---	---
	2.5	---	2TLM-10X1.5C-25SF	---	---
	3	---	2TLM-10X1.5C-30SF	---	---
M12-1.75	1	TL15122SF	---	---	---
	1.5	TL15123SF	---	---	---
	2	TL15124SF	---	---	---
	2.5	---	---	---	---
	3	---	---	---	---

RECOIL TANGLESS CAD PLATED PART NUMBER	KATO COILTHREAD TANGLESS CAD PLATED PART NUMBER
TL15252C	2TLM-2.5X.45C-2.5SF
TL15253C	2TLM-2.5X.45C-3.8SF
TL15254C	2TLM-2.5X.45C-5SF
TL15255C	2TLM-2.5X.45C-6.3SF
TL15256C	2TLM-2.5X.45C-7.5SF
TL15032C	2TLM-3X.5C-3SF
TL15033C	2TLM-3X.5C-4.5SF
TL15034C	2TLM-3X.5C-6SF
TL15035C	2TLM-3X.5C-9SF
TL15036C	2TLM-3X.5C-8SF
TL15042C	2TLM-4X.7C-4SF
TL15043C	2TLM-4X.7C-6SF
TL15044C	2TLM-4X.7C-8SF
TL15045C	2TLM-4X.7C-10SF
TL15046C	2TLM-4X.7C-12SF
TL15052C	2TLM-5X.8C-5SF
TL15053C	2TLM-5X.8C-7.5SF
TL15054C	2TLM-5X.8C-10SF
TL15055C	2TLM-5X.8C-12.5SF
TL15056C	2TLM-5X.8C-15SF
TL15062C	2TLM-6X1C-6SF
TL15063C	2TLM-6X1C-9SF
TL15064C	2TLM-6X1C-12SF
TL15065C	2TLM-6X1C-15SF
TL15066C	2TLM-6X1C-18SF
TL15082C	2TLM-8X1.25C-8SF
TL15083C	2TLM-8X1.25C-12SF
TL15084C	2TLM-8X1.25C-16SF
TL15085C	2TLM-8X1.25C-20SF
TL15086C	2TLM-8X1.25C-24SF
TL15102C	2TLM-10X1.5C-10SF
TL15103C	2TLM-10X1.5C-15SF
TL15104C	2TLM-10X1.5C-20SF
TL15105C	2TLM-10X1.5C-25SF
TL15106C	2TLM-10X1.5C-30SF
TL15122C	2TLM-12X1.75C-12SF
TL15123C	2TLM-12X1.75C-18SF
TL15124C	2TLM-12X1.75C-24SF
TL15125C	2TLM-12X1.75C-30SF
TL15126C	2TLM-12X1.75C-36SF

TANGLESS METRIC -  
LOCKING - CAD PLATED (C)

CAD PLATED PART NUMBER	NA/NAS TANGLESS CAD PLATED PART NUMBER	HELICOIL® TANGLESS CAD PLATED PART NUMBER
K.45C-2.5Y	NA0276M2CL-10	T4184-2.5CY025
K.45C-3.8Y	NA0276M2CL-15	T4184-2.5CY038
X.45C-5Y	NA0276M2CL-20	T4184-2.5CY050
K.45C-6.3Y	NA0276M2CL-25	---
K.45C-7.5Y	NA0276M2CL-30	---
X.5C-3Y	NA0276M3CL-10	T4184-3CY030
X.5C-4.5Y	NA0276M3CL-15	T4184-3CY045
X.5C-6Y	NA0276M3CL-20	T4184-3CY060
X.5C-9Y	NA0276M3CL-25	---
X.5C-8Y	NA0276M3CL-30	---
X.7C-4Y	NA0276M4CL-10	T4184-4CY040
X.7C-6Y	NA0276M4CL-15	T4184-4CY060
X.7C-8Y	NA0276M4CL-20	T4184-4CY080
X.7C-10Y	NA0276M4CL-25	---
X.7C-12Y	NA0276M4CL-30	---
X.8C-5Y	NA0276M5CL-10	T4184-5CY050
X.8C-7.5Y	NA0276M5CL-15	T4184-5CY075
X.8C-10Y	NA0276M5CL-20	T4184-5CY100
X.8C-12.5Y	NA0276M5CL-25	---
X.8C-15Y	NA0276M5CL-30	---
X1C-6Y	NA0276M6CL-10	T4184-6CY060
X1C-9Y	NA0276M6CL-15	T4184-6CY090
X1C-12Y	NA0276M6CL-20	T4184-6CY120
X1C-15Y	NA0276M6CL-25	---
X1C-18Y	NA0276M6CL-30	---
X1.25C-8Y	NA0276M8CL-10	---
X1.25C-12Y	NA0276M8CL-15	---
X1.25C-16Y	NA0276M8CL-20	---
X1.25C-20Y	NA0276M8CL-25	---
X1.25C-24Y	NA0276M8CL-30	---
X1.5C-10Y	NA0276M10CL-10	---
X1.5C-15Y	NA0276M10CL-15	---
X1.5C-20Y	NA0276M10CL-20	---
X1.5C-25Y	NA0276M10CL-25	---
X1.5C-30Y	NA0276M10CL-30	---
X1.75C-12Y	NA0276M12CL-10	---
X1.75C-18Y	NA0276M12CL-15	---
X1.75C-24Y	NA0276M12CL-20	---
X1.75C-30Y	NA0276M12CL-25	---
X1.75C-36Y	NA0276M12CL-30	---

TANGLESS METRIC -  
LOCKING - DRY FILM LUBE (D)

RECOIL TANGLESS DRY FILM LUBE PART NUMBER	KATO COILTHREAD TANGLESS DRY FILM LUBE PART NUMBER	NA/NAS TANGLESS DRY FILM LUBE PART NUMBER	HELICOIL® TANGLESS DRY FILM LUBE PART NUMBER
<b>TL15252D</b>	2TLM-2.5X.45C-2.5W	NA0276M2L-10D	T4184-2.5CW025
<b>TL15253D</b>	2TLM-2.5X.45C-3.8W	NA0276M2L-15D	T4184-2.5CW038
<b>TL15254D</b>	2TLM-2.5X.45C-5W	NA0276M2L-20D	T4184-2.5CW050
<b>TL15255D</b>	2TLM-2.5X.45C-6.3W	NA0276M2L-25D	---
<b>TL15256D</b>	2TLM-2.5X.45C-7.5W	NA0276M2L-30D	---
<b>TL15032D</b>	2TLM-3X.5C-3W	NA0276M3L-10D	T4184-3CW030
<b>TL15033D</b>	2TLM-3X.5C-4.5W	NA0276M3L-15D	T4184-3CW045
<b>TL15034D</b>	2TLM-3X.5C-6W	NA0276M3L-20D	T4184-3CW060
<b>TL15035D</b>	2TLM-3X.5C-9W	NA0276M3L-25D	---
<b>TL15036D</b>	2TLM-3X.5C-8W	NA0276M3L-30D	---
<b>TL15042D</b>	2TLM-4X.7C-4W	NA0276M4L-10D	T4184-4CW040
<b>TL15043D</b>	2TLM-4X.7C-6W	NA0276M4L-15D	T4184-4CW060
<b>TL15044D</b>	2TLM-4X.7C-8W	NA0276M4L-20D	T4184-4CW080
<b>TL15045D</b>	2TLM-4X.7C-10W	NA0276M4L-25D	---
<b>TL15046D</b>	2TLM-4X.7C-12W	NA0276M4L-30D	---
<b>TL15052D</b>	2TLM-5X.8C-5W	NA0276M5L-10D	T4184-5CW050
<b>TL15053D</b>	2TLM-5X.8C-7.5W	NA0276M5L-15D	T4184-5CW075
<b>TL15054D</b>	2TLM-5X.8C-10W	NA0276M5L-20D	T4184-5CW100
<b>TL15055D</b>	2TLM-5X.8C-12.5W	NA0276M5L-25D	---
<b>TL15056D</b>	2TLM-5X.8C-15W	NA0276M5L-30D	---
<b>TL15062D</b>	2TLM-6X1C-6W	NA0276M6L-10D	T4184-6CW060
<b>TL15063D</b>	2TLM-6X1C-9W	NA0276M6L-15D	T4184-6CW090
<b>TL15064D</b>	2TLM-6X1C-12W	NA0276M6L-20D	T4184-6CW120
<b>TL15065D</b>	2TLM-6X1C-15W	NA0276M6L-25D	---
<b>TL15066D</b>	2TLM-6X1C-18W	NA0276M6L-30D	---
<b>TL15082D</b>	2TLM-8X1.25C-8W	NA0276M8L-10D	---
<b>TL15083D</b>	2TLM-8X1.25C-12W	NA0276M8L-15D	---
<b>TL15084D</b>	2TLM-8X1.25C-16W	NA0276M8L-20D	---
<b>TL15085D</b>	2TLM-8X1.25C-20W	NA0276M8L-25D	---
<b>TL15086D</b>	2TLM-8X1.25C-24W	NA0276M8L-30D	---
<b>TL15102D</b>	2TLM-10X1.5C-10W	NA0276M10L-10D	---
<b>TL15103D</b>	2TLM-10X1.5C-15W	NA0276M10L-15D	---
<b>TL15104D</b>	2TLM-10X1.5C-20W	NA0276M10L-20D	---
<b>TL15105D</b>	2TLM-10X1.5C-25W	NA0276M10L-25D	---
<b>TL15106D</b>	2TLM-10X1.5C-30W	NA0276M10L-30D	---
<b>TL15122D</b>	2TLM-12X1.75C-12W	NA0276M12L-10D	---
<b>TL15123D</b>	2TLM-12X1.75C-18W	NA0276M12L-15D	---
<b>TL15124D</b>	2TLM-12X1.75C-24W	NA0276M12L-20D	---
<b>TL15125D</b>	2TLM-12X1.75C-30W	NA0276M12L-25D	---
<b>TL15126D</b>	2TLM-12X1.75C-36W	NA0276M12L-30D	---

# UNC Tangless Locking

TANGLESS UNIFIED COARSE - LOCKING - 304 STAINLESS ST

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL PART NUMBER	KATO COILTHREAD TANGLESS PART NUMBER	NA/NAS TANGLESS PART NUMBER	HELICOIL PART NUMBER
UNIFIED COARSE					
#2-56	1	TL13522	2TLC-02C-0086	NAS1130-02L-10	T3585-02C086
	1.5	TL13523	2TLC-02C-0129	NAS1130-02L-15	T3585-02C129
	2	TL13524	2TLC-02C-0172	NAS1130-02L-20	T3585-02C172
	2.5	TL13525	2TLC-02C-0215	NAS1130-02L-25	---
	3	TL13526	2TLC-02C-0258	NAS1130-03L-30	---
#4-40	1	TL13542	2TLC-04C-0112	NAS1130-04L-10	T3585-04C112
	1.5	TL13543	2TLC-04C-0168	NAS1130-04L-15	T3585-04C168
	2	TL13544	2TLC-04C-0224	NAS1130-04L-20	T3585-04C224
	2.5	TL13545	2TLC-04C-0280	NAS1130-04L-25	---
	3	TL13546	2TLC-04C-0336	NAS1130-04L-30	---
#6-32	1	TL13562	2TLC-06C-0138	NAS1130-06L-10	T3585-06C138
	1.5	TL13563	2TLC-06C-0207	NAS1130-06L-15	T3585-06C207
	2	TL13564	2TLC-06C-0276	NAS1130-06L-20	T3585-06C276
	2.5	TL13565	2TLC-06C-0345	NAS1130-06L-25	---
	3	TL13566	2TLC-06C-0414	NAS1130-06L-30	---
#8-32	1	TL13582	2TLC-2C-0164	NAS1130-08L-10	T3585-2C164
	1.5	TL13583	2TLC-2C-0246	NAS1130-08L-15	T3585-2C246
	2	TL13584	2TLC-2C-0328	NAS1130-08L-20	T3585-2C328
	2.5	TL13585	2TLC-2C-0410	NAS1130-08L-25	---
	3	TL13586	2TLC-2C-0492	NAS1130-08L-30	---
#10-24	1	TL13602	2TLC-3C-0190	NAS1130-3CL-10	T3585-3C190
	1.5	TL13603	2TLC-3C-0285	NAS1130-3CL-15	T3585-3C285
	2	TL13604	2TLC-3C-0380	NAS1130-3CL-20	T3585-3C380
	2.5	TL13605	2TLC-3C-0475	NAS1130-3CL-25	---
	3	TL13606	2TLC-3C-0570	NAS1130-3CL-30	---
1/4-20	1	TL13042	2TLC-4C-0250	NAS1130-4L-10	T3585-4C250
	1.5	TL13043	2TLC-4C-0375	NAS1130-4L-15	T3585-4C375
	2	TL13044	2TLC-4C-0500	NAS1130-4L-20	T3585-4C500
	2.5	TL13045	2TLC-4C-0625	NAS1130-4L-25	---
	3	TL13046	2TLC-4C-0750	NAS1130-4L-30	---
5/16-18	1	TL13052	2TLC-5C-0312	NAS1130-5CL-10	---
	1.5	TL13053	2TLC-5C-0469	NAS1130-5CL-15	---
	2	TL13054	2TLC-5C-0625	NAS1130-5CL-20	---
	2.5	TL13055	2TLC-5C-0781	NAS1130-5CL-25	---
	3	TL13056	2TLC-5C-0938	NAS1130-5CL-30	---
3/8-16	1	TL13062	2TLC-6C-0375	NAS1130-6CL-10	---
	1.5	TL13063	2TLC-6C-0562	NAS1130-6CL-15	---
	2	TL13064	2TLC-6C-0750	NAS113-6CL-20	---
	2.5	TL13065	2TLC-6C-0938	NAS113-6CL-25	---
	3	TL13066	---	NAS113-6CL-30	---

## TANGLESS UNIFIED COARSE - LOCKING - NITRONIC 60 (T)

BOLHOFF PART NUMBER
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5132 065 6004
5132 065 6006
5132 065 6008
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5132 067 6004
5132 067 6006
5132 067 6008
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5132 068 6004
5132 068 6006
5132 068 6008
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5132 074 7004
5132 074 7006
5132 074 7008
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RECOIL TANGLESS NITRONIC 60 PART NUMBER	KATO COILTHREAD TANGLESS NITRONIC 60 PART NUMBER	NA/NAS TANGLESS NITRONIC 60 PART NUMBER	HELICOIL® NITRONIC 60 PART NUMBER
TL13522T	2TLC-02N-0086	---	T3585-02E086
TL13523T	2TLC-02N-0129	---	T3585-02E129
TL13524T	2TLC-02N-0172	---	T3585-02E172
TL13525T	2TLC-02N-0215	---	---
TL13526T	2TLC-02N-0258	---	---
TL13542T	2TLC-04N-0112	---	T3585-04E112
TL13543T	2TLC-04N-0168	---	T3585-04E168
TL13544T	2TLC-04N-0224	---	T3585-04E224
TL13545T	2TLC-04N-0280	---	---
TL13546T	2TLC-04N-0336	---	---
TL13562T	2TLC-06N-0138	---	T3585-06E138
TL13563T	2TLC-06N-0207	---	T3585-06E207
TL13564T	2TLC-06N-0276	---	T3585-06E276
TL13565T	2TLC-06N-0345	---	---
TL13566T	2TLC-06N-0414	---	---
TL13582T	2TLC-2N-0164	---	T3585-2E164
TL13583T	2TLC-2N-0246	---	T3585-2E246
TL13584T	2TLC-2N-0328	---	T3585-2E328
TL13585T	2TLC-2N-0410	---	---
TL13586T	2TLC-2N-0492	---	---
TL13602T	2TLC-3N-0190	---	T3585-3E190
TL13603T	2TLC-3N-0285	---	T3585-3E285
TL13604T	2TLC-3N-0380	---	T3585-3E380
TL13605T	2TLC-3N-0475	---	---
TL13606T	2TLC-3N-0570	---	---
TL13042T	2TLC-4N-0250	---	T3585-4E250
TL13043T	2TLC-4N-0375	---	T3585-4E375
TL13044T	2TLC-4N-0500	---	T3585-4E500
TL13045T	2TLC-4N-0625	---	---
TL13046T	2TLC-4N-0750	---	---
TL13052T	2TLC-5N-0312	---	---
TL13053T	2TLC-5N-0469	---	---
TL13054T	2TLC-5N-0625	---	---
TL13055T	2TLC-5N-0781	---	---
TL13056T	2TLC-5N-0938	---	---
TL13062T	2TLC-6N-0375	---	---
TL13063T	2TLC-6N-0562	---	---
TL13064T	2TLC-6N-0750	---	---
TL13065T	2TLC-6N-0938	---	---
TL13066T	---	---	---

# UNC Tangless Locking

TANGLESS UNIFIED COARSE - LOCKING - PHOSPHOR BRONZE (P)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS PHOSPHOR BRONZE PART NUMBER	KATO COILTHREAD TANGLESS PHOSPHOR BRONZE PART NUMBER	NA/NAS TANGLESS PHOSPHOR BRONZE PART NUMBER	HELICOIL TANGLESS PHOSPHOR BRONZE PART NUMBER
<b>UNIFIED COARSE</b>					
#2-56	1	TL13522P	2TLC-02P-0086	---	---
	1.5	TL13523P	2TLC-02P-0129	---	---
	2	TL13524P	2TLC-02P-0172	---	---
	2.5	TL13525P	2TLC-02P-0215	---	---
	3	TL13526P	2TLC-02P-0258	---	---
#4-40	1	TL13542P	2TLC-04P-0112	---	---
	1.5	TL13543P	2TLC-04P-0168	---	---
	2	TL13544P	2TLC-04P-0224	---	---
	2.5	TL13545P	2TLC-04P-0280	---	---
	3	TL13546P	2TLC-04P-0336	---	---
#6-32	1	TL13562P	2TLC-06P-0138	---	---
	1.5	TL13563P	2TLC-06P-0207	---	---
	2	TL13564P	2TLC-06P-0276	---	---
	2.5	TL13565P	2TLC-06P-0345	---	---
	3	TL13566P	2TLC-06P-0414	---	---
#8-32	1	TL13582P	2TLC-2P-0164	---	---
	1.5	TL13583P	2TLC-2P-0246	---	---
	2	TL13584P	2TLC-2P-0328	---	---
	2.5	TL13585P	2TLC-2P-0410	---	---
	3	TL13586P	2TLC-2P-0492	---	---
#10-24	1	TL13602P	2TLC-3P-0190	---	---
	1.5	TL13603P	2TLC-3P-0285	---	---
	2	TL13604P	2TLC-3P-0380	---	---
	2.5	TL13605P	2TLC-3P-0475	---	---
	3	TL13606P	2TLC-3P-0570	---	---
1/4-20	1	TL13042P	2TLC-4P-0250	---	---
	1.5	TL13043P	2TLC-4P-0375	---	---
	2	TL13044P	2TLC-4P-0500	---	---
	2.5	TL13045P	2TLC-4P-0625	---	---
	3	TL13046P	2TLC-4P-0750	---	---
5/16-18	1	TL13052P	2TLC-5P-0312	---	---
	1.5	TL13053P	2TLC-5P-0469	---	---
	2	TL13054P	2TLC-5P-0625	---	---
	2.5	TL13055P	2TLC-5P-0781	---	---
	3	TL13056P	2TLC-5P-0938	---	---
3/8-16	1	TL13062P	2TLC-6P-0375	---	---
	1.5	TL13063P	2TLC-6P-0562	---	---
	2	TL13064P	2TLC-6P-0750	---	---
	2.5	TL13065P	2TLC-6P-0938	---	---
	3	TL13066P	---	---	---

TANGLESS UNIFIED COARSE - LOCKING - INCONEL X750 (X)

RECOIL TANGLESS INCONEL X750 PART NUMBER	KATO COILTHREAD TANGLESS INCONEL X750 PART NUMBER	NA/NAS TANGLESS INCONEL X750 PART NUMBER	HELICOIL® TANGLESS INCONEL X750 PART NUMBER
TL13522X	2TLC-02T-0086	---	---
TL13523X	2TLC-02T-0129	---	---
TL13524X	2TLC-02T-0172	---	---
TL13525X	2TLC-02T-0215	---	---
TL13526X	2TLC-02T-0258	---	---
TL13542X	2TLC-04T-0112	---	---
TL13543X	2TLC-04T-0168	---	---
TL13544X	2TLC-04T-0224	---	---
TL13545X	2TLC-04T-0280	---	---
TL13546X	2TLC-04T-0336	---	---
TL13562X	2TLC-06T-0138	---	---
TL13563X	2TLC-06T-0207	---	---
TL13564X	2TLC-06T-0276	---	---
TL13565X	2TLC-06T-0345	---	---
TL13566X	2TLC-06T-0414	---	---
TL13582X	2TLC-2T-0164	---	---
TL13583X	2TLC-2T-0246	---	---
TL13584X	2TLC-2T-0328	---	---
TL13585X	2TLC-2T-0410	---	---
TL13586X	2TLC-2T-0492	---	---
TL13602X	2TLC-3T-0190	---	---
TL13603X	2TLC-3T-0285	---	---
TL13604X	2TLC-3T-0380	---	---
TL13605X	2TLC-3T-0475	---	---
TL13606X	2TLC-3T-0570	---	---
TL13042X	2TLC-4T-0250	---	---
TL13043X	2TLC-4T-0375	---	---
TL13044X	2TLC-4T-0500	---	---
TL13045X	2TLC-4T-0625	---	---
TL13046X	2TLC-4T-0750	---	---
TL13052X	2TLC-5T-0312	---	---
TL13053X	2TLC-5T-0469	---	---
TL13054X	2TLC-5T-0625	---	---
TL13055X	2TLC-5T-0781	---	---
TL13056X	2TLC-5T-0938	---	---
TL13062X	2TLC-6T-0375	---	---
TL13063X	2TLC-6T-0562	---	---
TL13064X	2TLC-6T-0750	---	---
TL13065X	2TLC-6T-0938	---	---
TL13066X	---	---	---

# UNC Tangless Locking

## TANGLESS UNIFIED COARSE - LOCKING - STRIPFEED (SF)

## TANGLESS UNIFIED COARSE - LOCKING - STRIPFEED (SF)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS STRIPFEED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER	NA/NAS TANGLESS STRIPFEED PART NUMBER	HELICOIL TANGLESS STRIPFEED PART NUMBER
#2-56	1	TL13522SF	2TLC-02C-0086SF	---	T3585-02C086S
	1.5	TL13523SF	2TLC-02C-0129SF	---	T3585-02C129S
	2	TL13524SF	2TLC-02C-0172SF	---	T3585-02C172S
	2.5	TL13525SF	2TLC-02C-0215SF	---	---
	3	TL13526SF	2TLC-02C-0258SF	---	---
#4-40	1	TL13542SF	2TLC-04C-0112SF	---	T3585-04C112S
	1.5	TL13543SF	2TLC-04C-0168SF	---	T3585-04C168S
	2	TL13544SF	2TLC-04C-0224SF	---	T3585-04C224S
	2.5	TL13545SF	2TLC-04C-0280SF	---	---
	3	TL13546SF	2TLC-04C-0336SF	---	---
#6-32	1	TL13562SF	2TLC-06C-0138SF	---	T3585-06C138S
	1.5	TL13563SF	2TLC-06C-0207SF	---	T3585-06C207S
	2	TL13564SF	2TLC-06C-0276SF	---	T3585-06C276S
	2.5	TL13565SF	2TLC-06C-0345SF	---	---
	3	TL13566SF	2TLC-06C-0414SF	---	---
#8-32	1	TL13582SF	2TLC-2C-0164SF	---	T3585-2C164S
	1.5	TL13583SF	2TLC-2C-0246SF	---	T3585-2C246S
	2	TL13584SF	2TLC-2C-0328SF	---	T3585-2C328S
	2.5	TL13585SF	2TLC-2C-0410SF	---	---
	3	TL13586SF	2TLC-2C-0492SF	---	---
#10-24	1	TL13602SF	2TLC-3C-0190SF	---	T3585-3C190S
	1.5	TL13603SF	2TLC-3C-0285SF	---	T3585-3C285S
	2	TL13604SF	2TLC-3C-0380SF	---	T3585-3C380S
	2.5	TL13605SF	2TLC-3C-0475SF	---	---
	3	TL13606SF	2TLC-3C-0570SF	---	---
1/4-20	1	TL13042SF	2TLC-4C-0250SF	---	T3585-4C250S
	1.5	TL13043SF	2TLC-4C-0375SF	---	T3585-4C375S
	2	TL13044SF	2TLC-4C-0500SF	---	T3585-4C500S
	2.5	TL13045SF	2TLC-4C-0625SF	---	---
	3	TL13046SF	2TLC-4C-0750SF	---	---
5/16-18	1	TL13052SF	2TLC-5C-0312SF	---	---
	1.5	TL13053SF	2TLC-5C-0469SF	---	---
	2	TL13054SF	2TLC-5C-0625SF	---	---
	2.5	TL13055SF	2TLC-5C-0781SF	---	---
	3	TL13056SF	2TLC-5C-0938SF	---	---
3/8-16	1	TL13062SF	2TLC-6C-0375SF	---	---
	1.5	TL13063SF	2TLC-6C-0562SF	---	---
	2	TL13064SF	2TLC-6C-0750SF	---	---
	2.5	TL13065SF	2TLC-6C-0938SF	---	---
	3	---	---	---	---

RECOIL TANGLESS CAD PLATED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER
TL13522C	2TLC-02C-0086SF
TL13523C	2TLC-02C-0129SF
TL13524C	2TLC-02C-0172SF
TL13525C	2TLC-02C-0215SF
TL13526C	2TLC-02C-0258SF
TL13542C	2TLC-04C-0112SF
TL13543C	2TLC-04C-0168SF
TL13544C	2TLC-04C-0224SF
TL13545C	2TLC-04C-0280SF
TL13546C	2TLC-04C-0336SF
TL13562C	2TLC-06C-0138SF
TL13563C	2TLC-06C-0207SF
TL13564C	2TLC-06C-0276SF
TL13565C	2TLC-06C-0345SF
TL13566C	2TLC-06C-0414SF
TL13582C	2TLC-2C-0164SF
TL13583C	2TLC-2C-0246SF
TL13584C	2TLC-2C-0328SF
TL13585C	2TLC-2C-0410SF
TL13586C	2TLC-2C-0492SF
TL13602C	2TLC-3C-0190SF
TL13603C	2TLC-3C-0285SF
TL13604C	2TLC-3C-0380SF
TL13605C	2TLC-3C-0475SF
TL13606C	2TLC-3C-0570SF
TL13042C	2TLC-4C-0250SF
TL13043C	2TLC-4C-0375SF
TL13044C	2TLC-4C-0500SF
TL13045C	2TLC-4C-0625SF
TL13046C	2TLC-4C-0750SF
TL13052C	2TLC-5C-0312SF
TL13053C	2TLC-5C-0469SF
TL13054C	2TLC-5C-0625SF
TL13055C	2TLC-5C-0781SF
TL13056C	2TLC-5C-0938SF
TL13062C	2TLC-6C-0375SF
TL13063C	2TLC-6C-0562SF
TL13064C	2TLC-6C-0750SF
TL13065C	2TLC-6C-0938SF
TL13066C	---



LESS UNIFIED COARSE -  
LOCKING - CAD PLATED (C)

COILTHREAD CAD PLATED NUMBER	NA/NAS TANGLESS CAD PLATED PART NUMBER	HELICOIL® TANGLESS CAD PLATED PART NUMBER
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COARSE

2C-0086Y	NAS1130-02CL-10P	T3585-02CY086
2C-0129Y	NAS1130-02CL-15	T3585-02CY129
2C-0172Y	NAS1130-0CL-20P	T3585-02CY172
2C-0215Y	NAS1130-0CL-25P	---
2C-0258Y	NAS1130-0CL-30P	---
4C-0112Y	NAS1130-04CL-10P	T3585-04CY112
4C-0168Y	NAS1130-04CL-15P	T3585-04CY168
4C-0224Y	NAS1130-04CL-20P	T3585-04CY224
4C-0280Y	NAS1130-04CL-25P	---
4C-0336Y	NAS1130-04CL-30P	---
6C-0138Y	NAS1130-06CL-10P	T3585-06CY138
6C-0207Y	NAS1130-06CL-15P	T3585-06CY207
6C-0276Y	NAS1130-06CL-20P	T3585-06CY276
6C-0345Y	NAS1130-06CL-25P	---
6C-0414Y	NAS1130-06CL-30P	---
8C-0164Y	NAS1130-08CL-10P	T3585-2CY164
8C-0246Y	NAS1130-08CL-15P	T3585-2CY246
8C-0328Y	NAS1130-08CL-20P	T3585-2CY328
8C-0410Y	NAS1130-08CL-25P	---
8C-0492Y	NAS1130-08CL-30P	---
3C-0190Y	NAS1130-3CL-10P	T3585-3CY190
3C-0285Y	NAS1130-3CL-15P	T3585-3CY285
3C-0380Y	NAS1130-3CL-20P	T3585-3CY380
3C-0475Y	NAS1130-3CL-25P	---
3C-0570Y	NAS1130-3CL-30P	---
4C-0250Y	NAS1130-4CL-10P	T3585-4CY250
4C-0375Y	NAS1130-4CL-15P	T3585-4CY375
4C-0500Y	NAS1130-4CL-20P	T3585-4CY500
4C-0625Y	NAS1130-4CL-25P	---
4C-0750Y	NAS1130-4CL-30P	---
5C-0312Y	NAS1130-5CL-10P	---
5C-0469Y	NAS1130-5CL-15P	---
5C-0625Y	NAS1130-5CL-20P	---
5C-0781Y	NAS1130-5CL-25P	---
5C-0938Y	NAS1130-5CL-30P	---
6C-0375Y	NAS1130-6CL-10P	---
6C-0562Y	NAS1130-6CL-15P	---
6C-0750Y	NAS113-06CL-20P	---
6C-0938Y	NAS113-06CL-25P	---
	NAS113-06CL-30P	---

TANGLESS UNIFIED COARSE -  
LOCKING - DRY FILM LUBE (D)

RECOIL TANGLESS DRY FILM LUBE PART NUMBER	KATO COILTHREAD TANGLESS DRY FILM LUBE PART NUMBER	NA/NAS TANGLESS DRY FILM LUBE PART NUMBER	HELICOIL® TANGLESS DRY FILM LUBE PART NUMBER
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<b>TL13522D</b>	2TLC-02C-0086W	NAS1130-02L-10D	T3585-02CW086
<b>TL13523D</b>	2TLC-02C-0129W	NAS1130-02L-15D	T3585-02CW129
<b>TL13524D</b>	2TLC-02C-0172W	NAS1130-0L-20D	T3585-02CW172
<b>TL13525D</b>	2TLC-02C-0215W	NAS1130-0L-25D	---
<b>TL13526D</b>	2TLC-02C-0258W	NAS1130-0L-30D	---
<b>TL13542D</b>	2TLC-04C-0112W	NAS1130-04L-10D	T3585-04CW112
<b>TL13543D</b>	2TLC-04C-0168W	NAS1130-04L-15D	T3585-04CW168
<b>TL13544D</b>	2TLC-04C-0224W	NAS1130-04L-20D	T3585-04CW224
<b>TL13545D</b>	2TLC-04C-0280W	NAS1130-04L-25D	---
<b>TL13546D</b>	2TLC-04C-0336W	NAS1130-04L-30D	---
<b>TL13562D</b>	2TLC-06C-0138W	NAS1130-06L-10D	T3585-06CW138
<b>TL13563D</b>	2TLC-06C-0207W	NAS1130-06L-15D	T3585-06CW207
<b>TL13564D</b>	2TLC-06C-0276W	NAS1130-06L-20D	T3585-06CW276
<b>TL13565D</b>	2TLC-06C-0345W	NAS1130-06L-25D	---
<b>TL13566D</b>	2TLC-06C-0414W	NAS1130-06L-30D	---
<b>TL13582D</b>	2TLC-2C-0164W	NAS1130-08L-10D	T3585-2CW164
<b>TL13583D</b>	2TLC-2C-0246W	NAS1130-08L-15D	T3585-2CW246
<b>TL13584D</b>	2TLC-2C-0328W	NAS1130-08L-20D	T3585-2CW328
<b>TL13585D</b>	2TLC-2C-0410W	NAS1130-08L-25D	---
<b>TL13586D</b>	2TLC-2C-0492W	NAS1130-08L-30D	---
<b>TL13602D</b>	2TLC-3C-0190W	NAS1130-3L-10D	T3585-3CW190
<b>TL13603D</b>	2TLC-3C-0285W	NAS1130-3L-15D	T3585-3CW285
<b>TL13604D</b>	2TLC-3C-0380W	NAS1130-3L-20D	T3585-3CW380
<b>TL13605D</b>	2TLC-3C-0475W	NAS1130-3L-25D	---
<b>TL13606D</b>	2TLC-3C-0570W	NAS1130-3L-30D	---
<b>TL13042D</b>	2TLC-4C-0250W	NAS1130-4L-10D	T3585-4CW250
<b>TL13043D</b>	2TLC-4C-0375W	NAS1130-4L-15D	T3585-4CW375
<b>TL13044D</b>	2TLC-4C-0500W	NAS1130-4L-20D	T3585-4CW500
<b>TL13045D</b>	2TLC-4C-0625W	NAS1130-4L-25D	---
<b>TL13046D</b>	2TLC-4C-0750W	NAS1130-4L-30D	---
<b>TL13052D</b>	2TLC-5C-0312W	NAS1130-5L-10D	---
<b>TL13053D</b>	2TLC-5C-0469W	NAS1130-5L-15D	---
<b>TL13054D</b>	2TLC-5C-0625W	NAS1130-5L-20D	---
<b>TL13055D</b>	2TLC-5C-0781W	NAS1130-5L-25D	---
<b>TL13056D</b>	2TLC-5C-0938W	NAS1130-5L-30D	---
<b>TL13062D</b>	2TLC-6C-0375W	NAS1130-6L-10D	---
<b>TL13063D</b>	2TLC-6C-0562W	NAS1130-6L-15D	---
<b>TL13064D</b>	2TLC-6C-0750W	NAS113-06L-20D	---
<b>TL13065D</b>	2TLC-6C-0938W	NAS113-06L-25D	---
<b>TL13066D</b>		NAS113-06L-30D	---

# UNF Tangless Locking

TANGLESS UNIFIED FINE - LOCKING - 304 STAINLESS STEEL

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL PART NUMBER	KATO COILTHREAD TANGLESS PART NUMBER	NA/NAS TANGLESS PART NUMBER	HELICOIL PART NUMBER
UNIFIED FINE					
#10-32	1	TL14602SF	2TLF-3C-0190	NAS1130-3L-10	T3591-3C190
	1.5	TL14603SF	2TLF-3C-0285	NAS1130-3L-15	T3591-3C285
	2	TL14604SF	2TLF-3C-0380	NAS1130-3L-20	T3591-3C380
	2.5	TL14605SF	2TLF-3C-0475	NAS1130-3L-25	---
	3	---	2TLF-3C-0570	NAS1130-3L-30	---
1/4-28	1	TL14042SF	2TLF-4-0250	NAS1130-4FL-10	T3591-4C250
	1.5	TL14043SF	2TLF-4-0375	NAS1130-4FL-15	T3591-4C375
	2	TL14044SF	2TLF-4-0500	NAS1130-4FL-20	T3591-4C500
	2.5	TL14045SF	2TLF-4C-0625	NAS1130-4FL-25	---
	3	---	2TLF-4C-0750	NAS1130-4FL-30	---
5/16-24	1	TL14052SF	2TLF-5C-0312	NAS1130-5FL-10	---
	1.5	TL14053SF	2TLF-5C-0469	NAS1130-5FL-15	---
	2	TL14054SF	2TLF-5C-0625	NAS1130-5FL-20	---
	2.5	TL14055SF	2TLF-5C-0781	NAS1130-5FL-25	---
	3	---	---	---	---
3/8-24	1	TL14062SF	2TLF-6C-0375	NAS1130-6FL-10	---
	1.5	TL14063SF	2TLF-6C-0562	NAS1130-6FL-15	---
	2	TL14064SF	2TLF-6C-0750	NAS1130-6FL-20	---
	2.5	---	---	---	---
	3	---	---	---	---

EL

## TANGLESS UNIFIED FINE - LOCKING - NITRONIC 60 (T)

BOLHOFF PART NUMBER
5132 069 7004
5132 069 7006
5132 069 7008
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5132 074 7004
5132 074 7006
5132 074 7008
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RECOIL TANGLESS NITRONIC 60 PART NUMBER	KATO COILTHREAD TANGLESS NITRONIC 60 PART NUMBER	NA/NAS TANGLESS NITRONIC 60 PART NUMBER	HELICOIL® NITRONIC 60 PART NUMBER
TL14602T	2TLF-3N-0190	---	T3591-3E190
TL14603T	2TLF-3N-0285	---	T3591-3E285
TL14604T	2TLF-3N-0380	---	T3591-3E380
TL14605T	2TLF-3N-0475	---	---
TL14606T	2TLF-3N-0570	---	---
TL14042T	2TLF-4N-0250	---	T3591-4E250
TL14043T	2TLF-4N-0375	---	T3591-4E375
TL14044T	2TLF-4N-0500	---	T3591-4E500
TL14045T	2TLF-4N-0625	---	---
TL14046T	2TLF-4N-0750	---	---
TL14052T	2TLF-5N-0312	---	---
TL14053T	2TLF-5N-0469	---	---
TL14054T	2TLF-5N-0625	---	---
TL14055T	2TLF-5N-0781	---	---
---	---	---	---
TL14062T	2TLF-6N-0375	---	---
TL14063T	2TLF-6N-0562	---	---
TL14064T	2TLF-6N-0750	---	---
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# UNF Tangless Locking

TANGLESS UNIFIED FINE - LOCKING - PHOSPHOR BRONZE (P)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS PHOSPHOR BRONZE PART NUMBER	KATO COILTHREAD TANGLESS PHOSPHOR BRONZE PART NUMBER	NA/NAS TANGLESS PHOSPHOR BRONZE PART NUMBER	HELICOIL TANGLESS PHOSPHOR BRONZE PART NUMBER
UNIFIED FINE					
#10-32	1	TL14602SF	2TLF-3P-0190	---	---
	1.5	TL14603SF	2TLF-3P-0285	---	---
	2	TL14604SF	2TLF-3P-0380	---	---
	2.5	TL14605SF	2TLF-3P-0475	---	---
	3	---	2TLF-3P-0570	---	---
1/4-28	1	TL14042SF	2TLF-4P-0250	---	---
	1.5	TL14043SF	2TLF-4P-0375	---	---
	2	TL14044SF	2TLF-4P-0500	---	---
	2.5	TL14045SF	2TLF-4P-0625	---	---
	3	---	2TLF-4P-0750	---	---
5/16-24	1	TL14052SF	2TLF-5P-0312	---	---
	1.5	TL14053SF	2TLF-5P-0469	---	---
	2	TL14054SF	2TLF-5P-0625	---	---
	2.5	TL14055SF	2TLF-5P-0781	---	---
	3	---	---	---	---
3/8-24	1	TL14062SF	2TLF-6P-0375	---	---
	1.5	TL14063SF	2TLF-6P-0562	---	---
	2	TL14064SF	2TLF-6P-0750	---	---
	2.5	---	---	---	---
	3	---	---	---	---

TANGLESS UNIFIED FINE- LOCKING - INCONEL X750 (X)

RECOIL TANGLESS INCONEL X750 PART NUMBER	KATO COILTHREAD TANGLESS INCONEL X750 PART NUMBER	NA/NAS TANGLESS INCONEL X750 PART NUMBER	HELICOIL® TANGLESS INCONEL X750 PART NUMBER
TL14602X	2TLF-3T-0190	---	---
TL14603X	2TLF-3T-0285	---	---
TL14604X	2TLF-3T-0380	---	---
TL14605X	2TLF-3T-0475	---	---
TL14606X	2TLF-3T-0570	---	---
TL14042X	2TLF-4T-0250	---	---
TL14043X	2TLF-4T-0375	---	---
TL14044X	2TLF-4T-0500	---	---
TL14045X	2TLF-4T-0625	---	---
TL14046X	2TLF-4T-0750	---	---
TL14052X	2TLF-5T-0312	---	---
TL14053X	2TLF-5T-0469	---	---
TL14054X	2TLF-5T-0625	---	---
TL14055X	2TLF-5T-0781	---	---
---	---	---	---
TL14062X	2TLF-6T-0375	---	---
TL14063X	2TLF-6T-0562	---	---
TL14064X	2TLF-6T-0750	---	---
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# UNF Tangless Locking

## TANGLESS UNIFIED FINE - LOCKING - STRIPFEED (SF)

THREAD SIZE	NOMINAL LENGTH (DIA)	RECOIL TANGLESS STRIPFEED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER	NA/NAS TANGLESS STRIPFEED PART NUMBER	HELICOIL TANGLESS STRIPFEED PART NUMBER
#10-32	1	<b>TL14602SF</b>	2TLF-3C-0190SF	---	T3591-3C190S
	1.5	<b>TL14603SF</b>	2TLF-3C-0285SF	---	T3591-3C285S
	2	<b>TL14604SF</b>	2TLF-3C-0380SF	---	T3591-3C380S
	2.5	<b>TL14605SF</b>	2TLF-3C-0475SF	---	---
	3	<b>TL14606SF</b>	2TLF-3C-0570SF	---	---
1/4-28	1	<b>TL14042SF</b>	2TLF-4C-0250SF	---	T3591-4C250S
	1.5	<b>TL14043SF</b>	2TLF-4C-0375SF	---	T3591-4C375S
	2	<b>TL14044SF</b>	2TLF-4C-0500SF	---	T3591-4C500S
	2.5	<b>TL14045SF</b>	2TLF-4C-0625SF	---	---
	3	<b>TL14046SF</b>	2TLF-4C-0750SF	---	---
5/16-24	1	<b>TL14052SF</b>	2TLF-5C-0312SF	---	---
	1.5	<b>TL14053SF</b>	2TLF-5C-0469SF	---	---
	2	<b>TL14054SF</b>	2TLF-5C-0625SF	---	---
	2.5	<b>TL14055SF</b>	2TLF-5C-0781SF	---	---
	3	---	---	---	---
3/8-24	1	<b>TL14062SF</b>	2TLF-6C-0375SF	---	---
	1.5	<b>TL14063SF</b>	2TLF-6C-0562SF	---	---
	2	<b>TL14064SF</b>	2TLF-6C-0750SF	---	---
	2.5	---	---	---	---
	3	---	---	---	---

RECOIL TANGLESS CAD PLATED PART NUMBER	KATO COILTHREAD TANGLESS STRIPFEED PART NUMBER
<b>TL14602C</b>	2TLF-3C-0190SF
<b>TL14603C</b>	2TLF-3C-0285SF
<b>TL14604C</b>	2TLF-3C-0380SF
<b>TL14605C</b>	2TLF-3C-0475SF
<b>TL14606C</b>	2TLF-3C-0570SF
<b>TL14042C</b>	2TLF-4C-0250SF
<b>TL14043C</b>	2TLF-4C-0375SF
<b>TL14044C</b>	2TLF-4C-0500SF
<b>TL14045C</b>	2TLF-4C-0625SF
<b>TL14046C</b>	2TLF-4C-0750SF
<b>TL14052C</b>	2TLF-5C-0312SF
<b>TL14053C</b>	2TLF-5C-0469SF
<b>TL14054C</b>	2TLF-5C-0625SF
<b>TL14055C</b>	2TLF-5C-0781SF
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<b>TL14062C</b>	2TLF-6C-0375SF
<b>TL14063C</b>	2TLF-6C-0562SF
<b>TL14064C</b>	2TLF-6C-0750SF
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GLASS UNIFIED FINE -  
LOCKING - CAD PLATED (C)

COILTHREAD CAD PLATED PART NUMBER	NA/NAS TANGLESS CAD PLATED PART NUMBER	HELICOIL® TANGLESS CAD PLATED PART NUMBER
<b>D FINE</b>		
C-0190Y	NAS1130-3L-10P	T3591-3CY190
C-0285Y	NAS1130-3L-15P	T3591-3CY285
C-0380Y	NAS1130-3L-20P	T3591-3CY380
C-0475Y	NAS1130-3L-25P	---
C-0570Y	NAS1130-3L-30P	---
C-0250Y	NAS1130-4FL-10P	T3591-4CY250
C-0375Y	NAS1130-4FL-15P	T3591-4CY375
C-0500Y	NAS1130-4FL-20P	T3591-4CY500
C-0625Y	NAS1130-4FL-25P	---
C-0750Y	NAS1130-4FL-30P	---
C-0312Y	NAS1130-5FL-10P	---
C-0469Y	NAS1130-5FL-15P	---
C-0625Y	NAS1130-5FL-20P	---
C-0781Y	NAS1130-5FL-25P	---
---	---	---
C-0375Y	NAS1130-6FL-10P	---
C-0562Y	NAS1130-6FL-15P	---
C-0750Y	NAS1130-6FL-20P	---
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TANGLESS UNIFIED FINE -  
LOCKING - DRY FILM LUBE (D)

RECOIL TANGLESS DRY FILM LUBE PART NUMBER	KATO COILTHREAD TANGLESS DRY FILM LUBE PART NUMBER	NA/NAS TANGLESS DRY FILM LUBE PART NUMBER	HELICOIL® TANGLESS DRY FILM LUBE PART NUMBER
<b>TL14602D</b>	2TLF-3C-0190W	NAS1130-3L-10D	T3591-3CW190
<b>TL14603D</b>	2TLF-3C-0285W	NAS1130-3L-15D	T3591-3CW285
<b>TL14604D</b>	2TLF-3C-0380W	NAS1130-3L-20D	T3591-3CW380
<b>TL14605D</b>	2TLF-3C-0475W	NAS1130-3L-25D	---
<b>TL14606D</b>	2TLF-3C-0570W	NAS1130-3L-30D	---
<b>TL14042D</b>	2TLF-4C-0250W	NAS1130-4FL-10D	T3591-4CW250
<b>TL14043D</b>	2TLF-4C-0375W	NAS1130-4FL-15D	T3591-4CW375
<b>TL14044D</b>	2TLF-4C-0500W	NAS1130-4FL-20D	T3591-4CW500
<b>TL14045D</b>	2TLF-4C-0625W	NAS1130-4FL-25D	---
<b>TL14046D</b>	2TLF-4C-0750W	NAS1130-4FL-30D	---
<b>TL14052D</b>	2TLF-5C-0312W	NAS1130-5FL-10D	---
<b>TL14053D</b>	2TLF-5C-0469W	NAS1130-5FL-15D	---
<b>TL14054D</b>	2TLF-5C-0625W	NAS1130-5FL-20D	---
<b>TL14055D</b>	2TLF-5C-0781W	NAS1130-5FL-25D	---
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<b>TL14062D</b>	2TLF-6C-0375W	NAS1130-6FL-10D	---
<b>TL14063D</b>	2TLF-6C-0562W	NAS1130-6FL-15D	---
<b>TL14064D</b>	2TLF-6C-0750W	NAS1130-6FL-20D	---
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# Howmet Fastening Systems

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