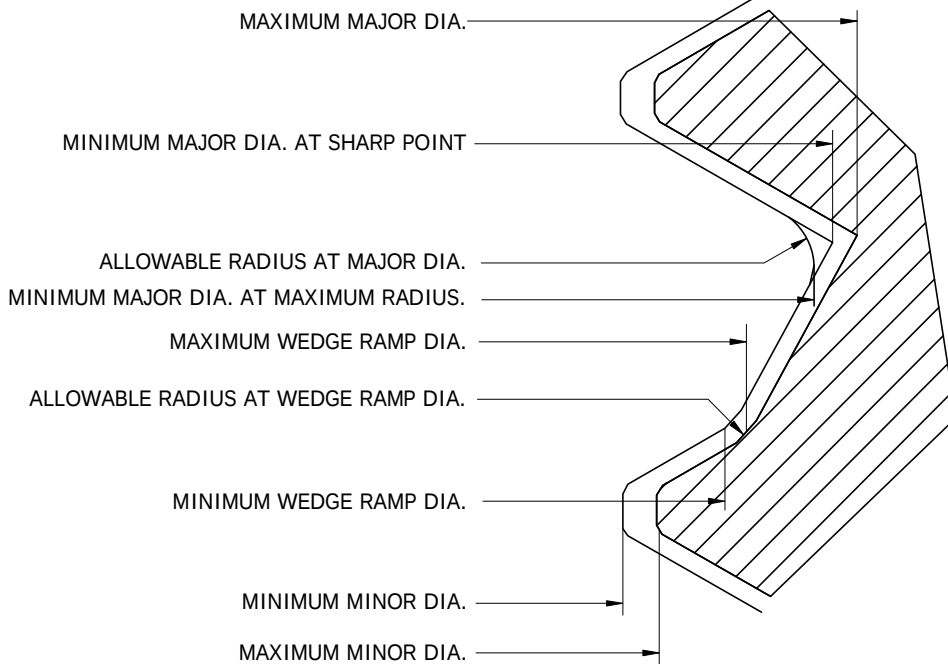
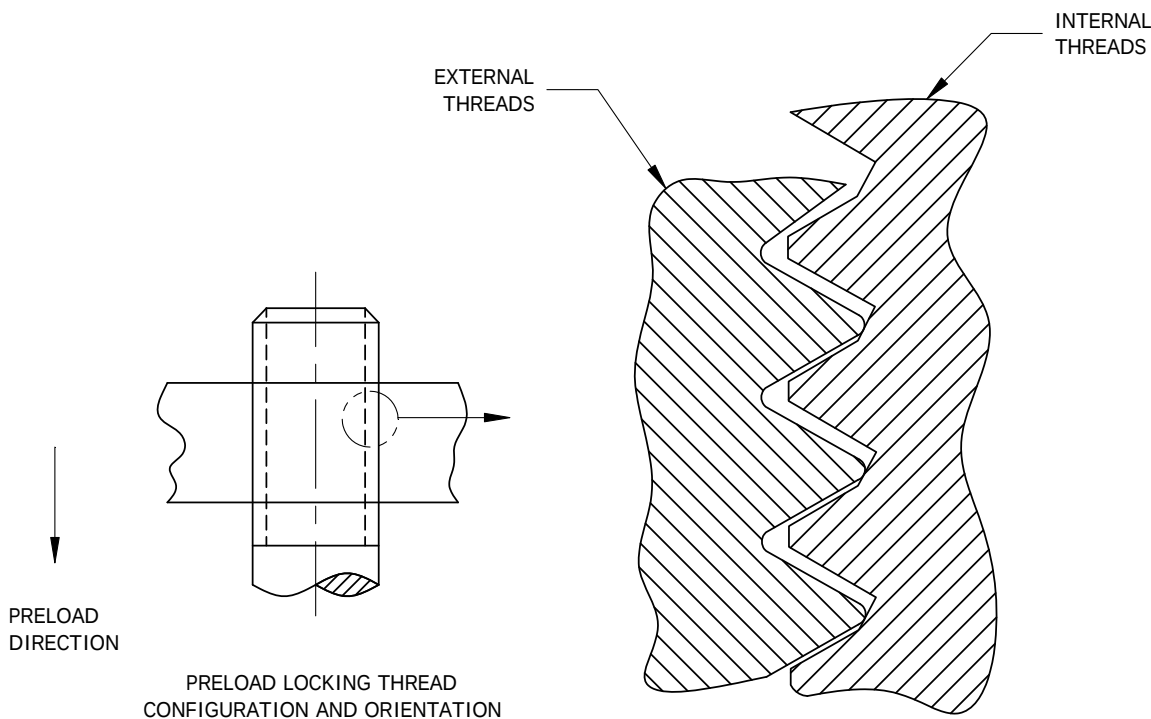




FED. SUPPLY CLASS

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FIGURE 1 – INTERNAL THREAD FORM AND DESCRIPTION



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FIGURE 2 – LOCKING FEATURE

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-N-85353/1, AMENDMENT 1. PART NUMBERS REMAIN MS85353/1.

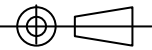
THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM85353	TITLE NUT (FASTENER), INTERNALLY THREADED, HEXAGON, REDUCED HEIGHT 125 KSI AND 200 KSI F_{tu}, 450 °F ①	CLASSIFICATION SPECIFICATION NASM85353/1 SHEET 1 OF 3

TABLE I – AFTER PLATE THREAD DIMENSIONS

SIZE	MAJOR DIAMETER			MAX RADIUS AT MAJOR DIA. (MMC) /a/	WEDGE RAMP DIAMETER		MAX RADIUS AT WEDGE RAMP DIA.	MINOR DIA.	
	MAX AT SHARP CORNER	MIN AT SHARP CORNER	MIN AT MAX RADIUS		MAX	MIN		MAX	MIN
.1120-40	.1161	.1135	.1129	.0010	.1029	.1004	.0149	.0942	.0877
.1380-32	.1427	.1399	.1391	.0013	.1263	.1236	.0209	.1157	.1076
.1640-32	.1673	.1645	.1643	.0003	.1517	.1489	.0213	.1417	.1336
.1900-32	.1930	.1902	.1901	.0001	.1751	.1722	.0235	.1675	.1596
.2500-28	.2536	.2504	.2502	.0003	.2340	.2308	.0276	.2229	.2152
.3125-24	.3169	.3133	.3129	.0005	.2943	.2907	.0302	.2799	.2719
.3750-24	.3795	.3758	.3754	.0005	.3552	.3515	.0343	.3418	.3344
.4375-20	.4429	.4388	.4382	.0008	.4165	.4124	.0370	.3970	.3888
.5000-20	.5055	.5013	.5007	.0008	.4779	.4737	.0392	.4591	.4513
.5625-18	.5682	.5638	.5632	.0008	.5387	.5343	.0437	.5166	.5084
.6250-18	.6306	.6263	.6257	.0008	.6001	.5956	.0459	.5788	.5709
.7500-16	.7567	.7517	.7510	.0010	.7241	.7192	.0497	.6977	.6892
.8750-14	.8826	.8773	.8763	.0014	.8469	.8416	.0541	.8152	.8055
1.0000-12	1.0088	1.0031	1.0018	.0018	.9699	.9642	.0616	.9298	.9189
1.1250-12	1.1336	1.1277	1.1266	.0016	1.0923	1.0864	.0713	1.0539	1.0439
1.2500-12	1.2587	1.2527	1.2516	.0016	1.2157	1.2097	.0773	1.1789	1.1689
1.3750-12	1.3838	1.3777	1.3766	.0016	1.3410	1.3349	.0761	1.3039	1.2939
1.5000-12	1.5090	1.5027	1.5016	.0016	1.4644	1.4581	.0821	1.4289	1.4189

/a/ MMC – MAXIMUM MATERIAL CONDITION

TABLE II – PRE-PLATE THREAD DIMENSIONS

SIZE	MAJOR DIAMETER			MAX RADIUS AT MAJOR DIA. (MMC) /a/	WEDGE RAMP DIAMETER		MAX RADIUS AT WEDGE RAMP DIA.	TAP DRILL DIA.	
	MAX AT SHARP CORNER	MIN AT SHARP CORNER	MIN AT MAX RADIUS		MAX	MIN		MAX	MIN
.1120-40	.1169	.1143	.1137	.0013	.1033	.1008	.0119	.093	.089
.1380-32	.1435	.1407	.1399	.0016	.1267	.1240	.0179	.114	.110
.1640-32	.1681	.1653	.1651	.0006	.1521	.1493	.0183	.140	.136
.1900-32	.1938	.1910	.1909	.0004	.1755	.1726	.0205	.166	.162
.2500-28	.2544	.2512	.2510	.0006	.2344	.2312	.0246	.222	.218
.3125-24	.3177	.3141	.3137	.0008	.2947	.2911	.0272	.279	.275
.3750-24	.3803	.3766	.3762	.0008	.3556	.3519	.0313	.341	.337
.4375-20	.4437	.4396	.4390	.0011	.4169	.4128	.0340	.396	.392
.5000-20	.5063	.5021	.5015	.0011	.4783	.4741	.0362	.459	.455
.5625-18	.5690	.5646	.5640	.0011	.5391	.5347	.0407	.516	.512
.6250-18	.6316	.6271	.6265	.0011	.6005	.5960	.0429	.579	.575
.7500-16	.7575	.7525	.7518	.0013	.7245	.7196	.0467	.697	.693
.8750-14	.8834	.8781	.8771	.0017	.8473	.8420	.0511	.813	.809
1.0000-12	1.0096	1.0039	1.0026	.0021	.9703	.9646	.0586	.927	.921
1.1250-12	1.1344	1.1285	1.1274	.0019	1.0927	1.0868	.0683	1.054	1.048
1.2500-12	1.2595	1.2535	1.2524	.0019	1.2161	1.2101	.0743	1.180	1.174
1.3750-12	1.3846	1.3785	1.3774	.0019	1.3414	1.3353	.0731	1.305	1.299
1.5000-12	1.5098	1.5035	1.5035	.0019	1.4548	1.4585	.0791	1.430	1.424

/a/ MMC – MAXIMUM MATERIAL CONDITION

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REVISION

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NAS85353-1

SHEET 2

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