



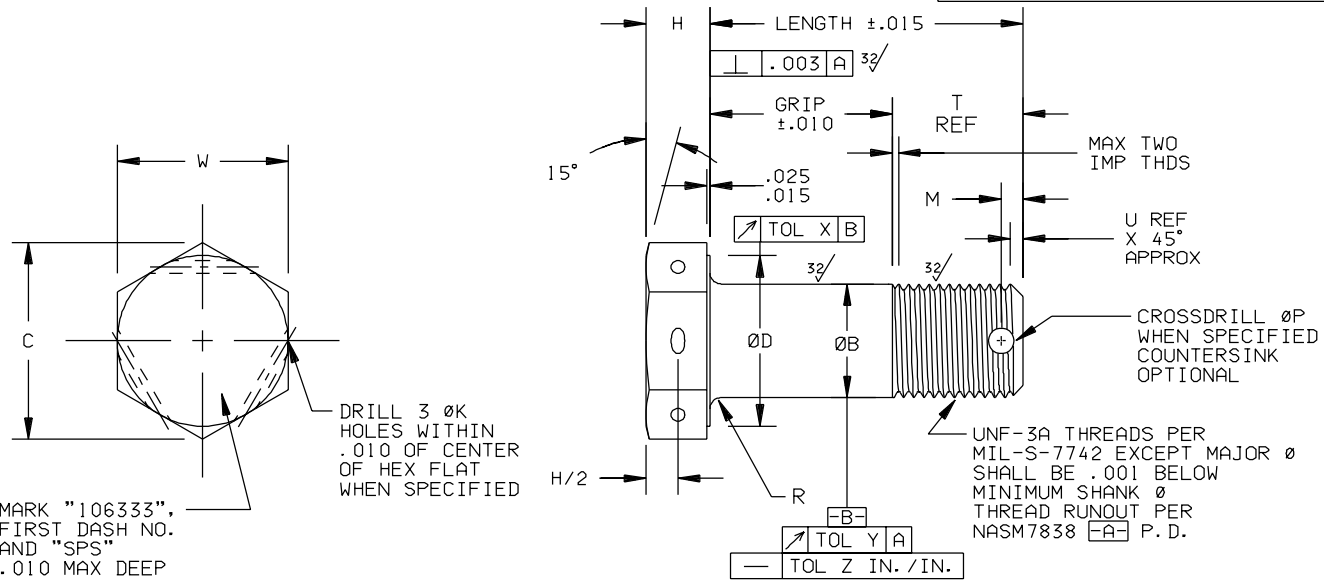
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DRAWING NUMBER
 SD. 300. 106333

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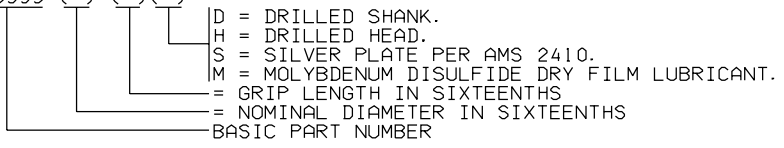
REVISION
 (12)

REVISED AND REDRAWN 4/01/03
 (13) 11/11/04



FIRST DASH NO.	THREAD UNF-3A	ØB	C REF	ØD MIN	H ±.015 -.000	M ±.010	ØK ±.005	ØP ±.005	R	T REF	U REF	W	X	Y	Z	UTS LBS. MIN.	DOUBLE SHEAR STRENGTH
-3	.1900-32	.1895 .1885	.43	.359	.110	.117	.051	.075	.020 .010	.276	.016	.376 .367	.005	.0045	.0040	2,500	5,380
-4	.2500-28	.2495 .2485	.51	.422	.125	.116	.051	.081	.020 .010	.316	.018	.439 .430	.006	.0045	.0030	4,550	9,300
-5	.3125-24	.3120 .3110	.58	.484	.156	.119	.075	.081	.020 .010	.375	.021	.502 .492	.008	.0045	.0030	7,250	14,600
-6	.3750-24	.3745 .3735	.65	.547	.188	.120	.075	.111	.025 .015	.391	.021	.564 .553	.009	.0060	.0025	10,975	21,000
-7	.4375-20	.4370 .4360	.79	.672	.219	.124	.075	.111	.025 .015	.453	.025	.690 .679	.010	.0060	.0025	14,840	28,600
-8	.5000-20	.4995 .4985	.87	.734	.250	.123	.075	.111	.030 .020	.453	.025	.752 .741	.011	.0060	.0020	19,990	37,300
-9	.5625-18	.5615 .5605	1.01	.859	.281	.124	.075	.146	.035 .020	.511	.028	.877 .865	.012	.0060	.0020	25,375	47,200
-10	.6250-18	.6240 .6230	1.09	.922	.321	.124	.075	.146	.040 .025	.543	.028	.940 .928	.015	.0060	.0020	32,000	58,300
-12	.7500-16	.7490 .7480	1.23	1.047	.375	.128	.075	.146	.045 .030	.572	.031	1.064 1.052	.018	.0090	.0020	46,625	83,900
-14	.8750-14	.8740 .8730	1.44	1.234	.438	.134	.075	.146	.050 .035	.652	.036	1.252 1.239	.020	.0090	.0020	63,625	114,200
-16	1.0000-12	.9990 .9980	1.66	1.422	.500	.139	.075	.146	.060 .045	.770	.042	1.440 1.427	.022	.0090	.0020	82,875	149,200

- MATERIAL: A286 PER AMS 5732 OR AMS 5737.
- HEAT TREATMENT: COLD WORK AND AGE TO 95 KSI MINIMUM SHEAR STRENGTH. (SEE TABLE ABOVE). 160 KSI TENSILE REFERENCE (TEST LOADS 125 KSI BASED ON H28 STRESS AREAS)
- FINISH: PASSIVATE PER MIL-S-5002
 SILVER PLATE PER AMS 2410. (.0002-.0004 THICK).
 MOLYBDENUM DISULFIDE DRY FILM LUBRICANT APPLIED AFTER PASSIVATION. (.0005 MAX THICK).
- PROCUREMENT SPECIFICATION: AS7479 EXCEPT SOLUTION TREAT MAY BE OMITTED TO MEET SHEAR REQUIREMENTS.
 STRESS RUPTURE TESTING AND HARDNESS NOT REQUIRED.
- GRIP LENGTH MEASURED FROM UNDERSIDE OF HEAD TO END OF FULL CYLINDRICAL PORTION OF SHANK.
- BOLTS SHALL BE FREE FROM BURRS AND SHARP EDGES.
- DIMENSIONS ARE IN INCHES.
- PART NUMBER: 106333-()-() ()



TOLERANCES ±.010 AND ±2°
 SURFACE ROUGHNESS 125/
 UNLESS OTHERWISE NOTED
 DRAFTED IN ACCORDANCE WITH ASME Y14.5M
 DRAWN BY: KATHY SCHWARTZ DATE: 4/01/03
 APPROVED: S FOSTER DATE: 11/17/04
 APPROVED: F CICCARONE

FSCM NO. 56878
 CUSTODIAN:
 JENKINTOWN, PA.

TITLE
 BOLT, HEXAGON, NO FLANGE
 95 KSI SHEAR STRENGTH
 A286

STANDARDS AND SPECIFICATIONS
 AS7479
 EXCEPT AS NOTED
 PART NUMBER:
 106333-()-() ()
 SHEET 1 OF 1