

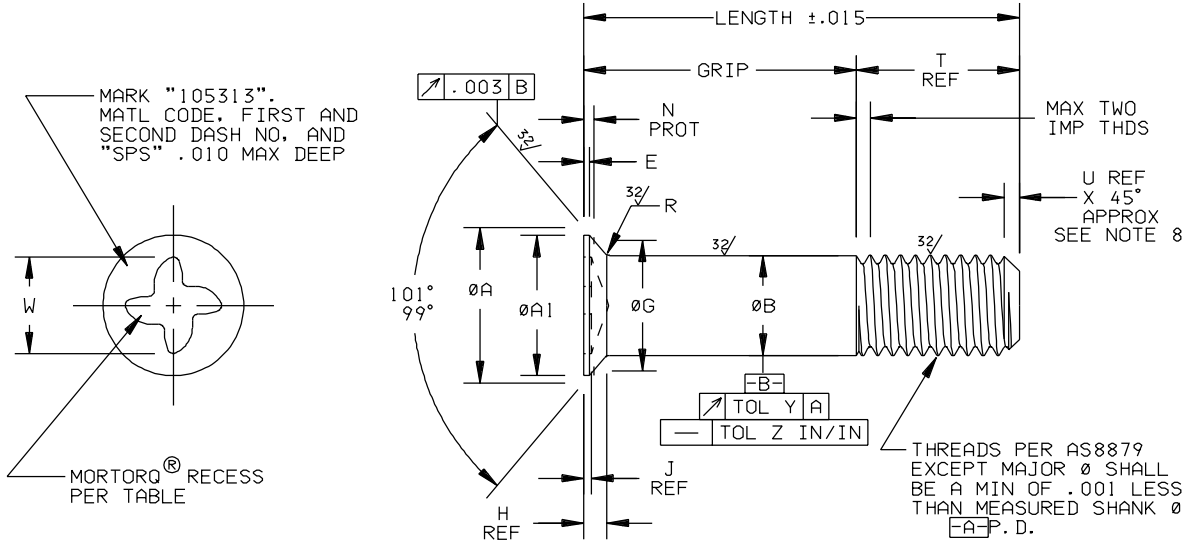


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DRAWING NUMBER
SPS-B-105313

ISSUE DATE
 10/30/03

REVISION



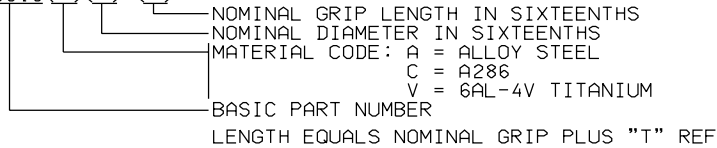
FIRST DASH NO	THREADS UNJF-3A	RECESS SIZE	ØA MAX 1/	ØA1 MIN 2/	ØB		E MAX	ØG	H REF	J	N PROT	R	T REF	U REF	W REF	X	Y	Z	TENSILE STRENGTH LBS MIN
					PLATED	UN PLATED													
-3	.1900-32	00	.3047	.2578	.1895 .1885	.1895 .1890	.015	.2441 .2439	.049	.037 .028	.0250 .0210	.020 .010	.363	.050	.121	.005	.0045	.0040	1,600
-4	.2500-28	0	.3988	.3504	.2495 .2485	.2495 .2490	.015	.3315 .3313	.063	.040 .031	.0278 .0232	.020 .010	.403	.050	.170	.006	.0045	.0030	3,200
-5	.3125-24	1	.4787	.4289	.3120 .3110	.3120 .3115	.015	.4047 .4045	.070	.048 .039	.0305 .0255	.025 .010	.501	.060	.240	.007	.0045	.0030	4,230
-6	.3750-24	1	.5662	.5149	.3745 .3735	.3745 .3740	.015	.4854 .4852	.081	.062 .053	.0333 .0277	.030 .015	.594	.060	.240	.008	.0060	.0025	6,160
-7	.4375-20	2	.6741	.6047	.4370 .4360	.4370 .4365	.022	.5697 .5695	.100	.077 .068	.0430 .0370	.030 .015	.675	.080	.308	.009	.0060	.0025	8,320
-8	.5000-20	3	.7611	.6901	.4995 .4985	.4995 .4990	.022	.6499 .6497	.111	.082 .073	.0458 .0392	.030 .015	.768	.080	.354	.010	.0060	.0020	11,300
-9	.5625-18	4	.8449	.7655	.5615 .5605	.5615 .5610	.025	.7200 .7198	.119	.092 .077	.0515 .0445	.030 .015	.881	.090	.428	.010	.0060	.0020	14,300
-10	.6250-18	5	.9329	.8518	.6240 .6230	.6240 .6235	.025	.8011 .8009	.130	.092 .067	.0543 .0467	.030 .015	.981	.090	.506	.010	.0060	.0020	18,000

1/ TO THEORETICAL SHARP CORNER

2 ABSOLUTE MINIMUM WITH FLAT

- MATERIAL: ALLOY STEEL 4140 PER AMS 6382, 4340 PER AMS-S-5000 OR 8740 PER AMS 6322.
 6AL-4V TITANIUM PER AMS 4928 OR AMS 4967.
 A286 PER AMS 5731, AMS 5732, AMS 5737 OR AMS 5853.
- HEAT TREATMENT: ALLOY STEEL - 160 KSI MINIMUM TENSILE STRENGTH PER AMS-H-6875.
 6AL-4V TITANIUM - 160 KSI MINIMUM TENSILE STRENGTH PER AMS-H-81200.
 A286 - 160 KSI MINIMUM TENSILE STRENGTH. PRECIPITATION HARDEN PER AMS 2759.
- FINISH: ALLOY STEEL - CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 2.
 6AL-4V TITANIUM - PLAIN.
 A286 - PASSIVATE PER AMS-QQ-P-35.

4. PART NUMBER: 105313() () - ()



- PROCUREMENT SPECIFICATION: NAS4002 FOR ALLOY STEEL, NAS4003 FOR A286 AND NAS4004 FOR TITANIUM. TENSILE STRENGTH AS TABULATED HEREIN. FOR -3 & -4 PARTS, COLD WORKING OF HEAD TO SHANK FILLET IS NOT REQUIRED. FATIGUE TESTING NOT APPLICABLE (REDUCED HEAD).
- REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT INSPECTION REQUIREMENTS.
- HEAD OUT OF ROUNDNESS SHALL NOT EXCEED "X".
- CHAMFER "U" PLUS INCOMPLETE THREADS NOT TO EXCEED TWO PITCHES.
- DIMENSIONS ARE IN INCHES.

Ⓜ MORTORQ IS A REGISTERED TRADEMARK OF PHILLIPS SCREW COMPANY

TOLERANCES ±.010 AND ±2°	FSCM NO. 56878
SURFACE ROUGHNESS 125	CUSTODIAN: JENKINTOWN, PA.
UNLESS OTHERWISE NOTED	
DRAFTED IN ACCORDANCE WITH ASME Y14.5M	
DRAWN BY: KATHY SCHWARTZ	DATE: 10/30/03
APPROVED: M MARSHALL	DATE: 10/31/03
APPROVED: L KLINE	

TITLE
**BOLT, FLUSH, 100° REDUCED HEAD,
 MORTORQ RECESS, 95 KSI SHEAR**

STANDARDS AND SPECIFICATIONS SEE NOTE 5
PART NUMBER: 105313() () - ()
SHEET 1 OF 1