

hi-shear
 CORPORATION

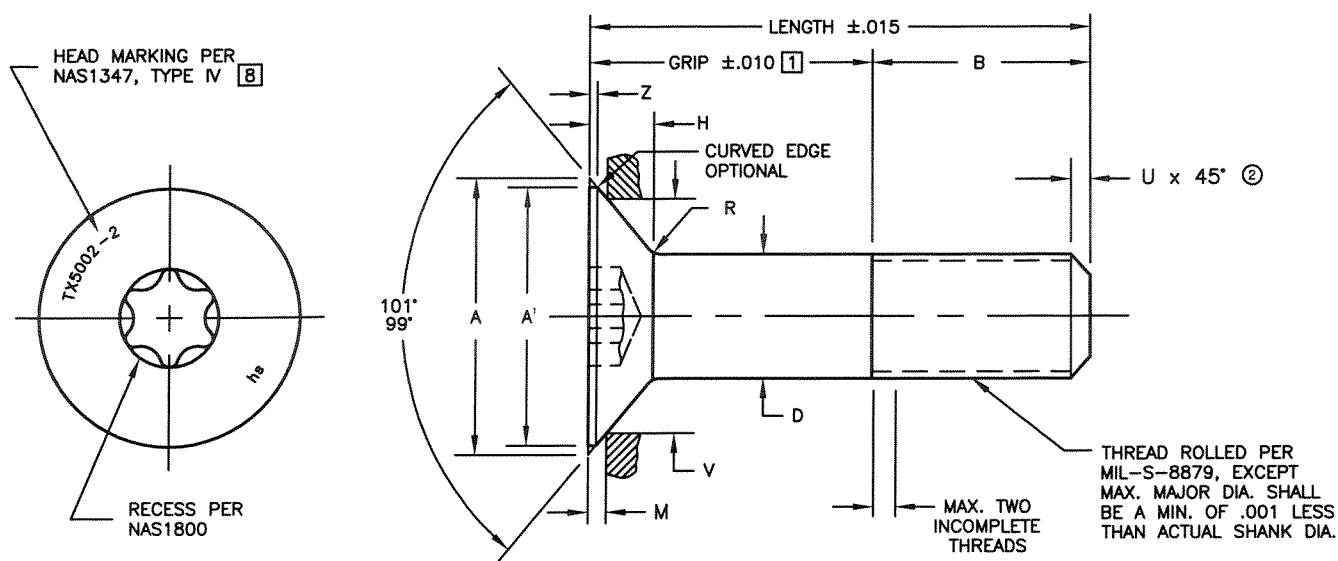
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TABLE 1

DASH NO.	THREAD UNJF-3A	A DIA.	A' DIA.	B REF	D DIA.	H REF. [2]	R RAD	U REF	Y	Z MAX	GAGE DIA. V	HEAD PROT. M	NAS1800 RECESS			GRIP	LENGTH
													RECESS NUMBER	DEPTH	TORQUE IN-LBS MIN.		
-1	.4375-20	.8884 .8746	.845 .835	.533	.4370 .4365	.194	.030 .015	.062	.014	.022	.7784 .7782	.0454 .0411	T50	.110 .095	1,080	.687	1.220
-2	.4375-20	.8884 .8746	.845 .835	.390	.4370 .4365	.194	.030 .015	.062	.014	.022	.7784 .7782	.0454 .0411	T50	.110 .095	1,080	.750	1.140

GENERAL NOTES: [1] Grip length is from top of bolt head to end of full cylindrical portion of shank as tabulated.

[2] "A" and "H" are included for engineering reference purpose only and are not to be used for inspection. Values "A", and "H" are calculated limits resulting from tolerances on "D", "M", "V" and head angle.

3. Head edge out of roundness shall not exceed "Y" FIM.

4. Shank shall be straight within .0025 FIM per inch of length.

5. Point shall be flat and chamfered. Incomplete thread shall not exceed two pitches.

6. Concentricity: Conical surface of head to "D" diameter within .005 FIM.

"D" diameter to thread pitch diameter within .0060 values FIM.

7. Surface texture per ANSI B46.1. Bearing surface of head, fillet radius of head and all thread elements 32 RA maximum. All other surfaces 125 RA maximum.

[8] Head marking shall include the manufacturer's basic part number, dash number and the manufacturer's identification.

[9] This part was designed to be equivalent to Boeing Drawing 74A211001:

74A211001-2007 = TX5002-1

74A211001-2009 = TX5002-2

MATERIAL: PH13-8Mo corrosion resistant steel per AMS5629.

HEAT TREAT: 125 ksi minimum shear strength.

FINISH: TX5002-() = Passivate per AMS-QQ-P-35.

CODE AND

EXAMPLE: TX5002-2 [9]

.4375-20 Bolt with .750 grip length and a total length of 1.140.

Basic Part Number

PROCUREMENT: 23M112, Type E, except tension, fatigue, and stress durability do not apply.

DRAWN	DATE	BY	TITLE	DRAWING NUMBER
	8-13-2002	J.F.Obispo		
APPROVED	8-13-2002	E.E.Beeles	BOLT 100° FLUSH HEAD, TORX® RECESS PH13-8Mo, SPECIAL THREAD LENGTH 125 KSI FSU	TX5002
(2) REVISION	8-15-2002	JFO		

Sheet 1 of 1

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