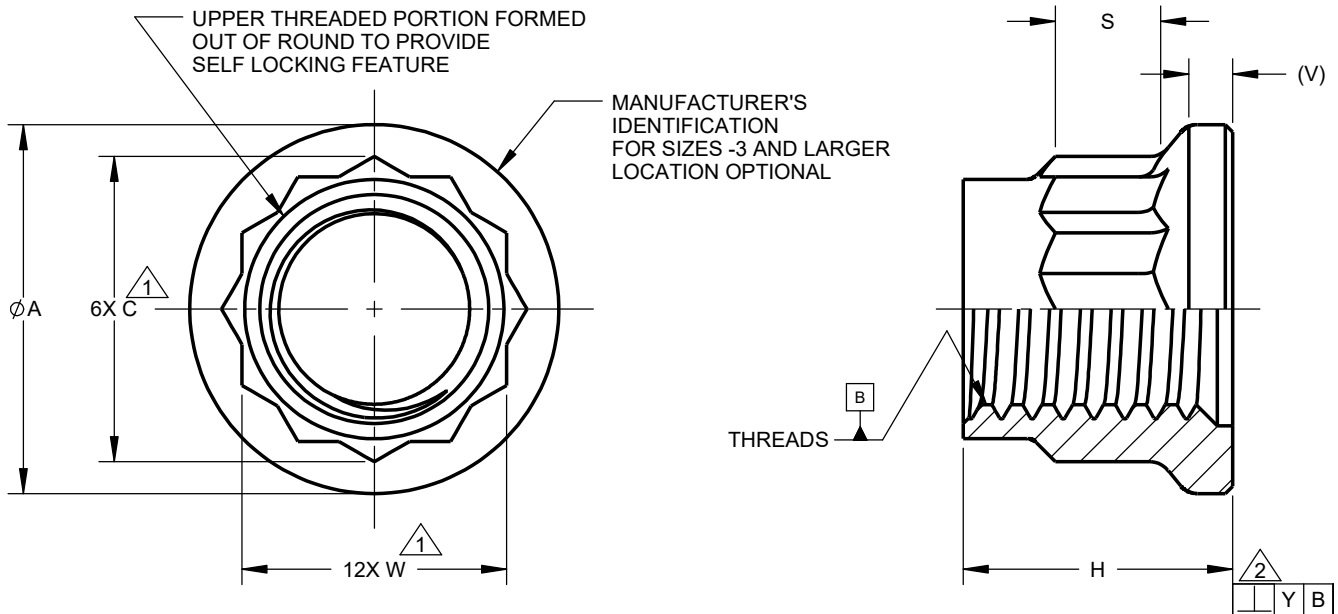


MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN
CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.THIS DRAWING EMBODIES HOWMET FASTENING SYSTEMS CONFIDENTIAL, PROPRIETARY DESIGN & ALL DESIGN,
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HFS PART NO.	THREADS PER AS8879	ϕA MAX	C MIN	H MAX	S MIN	(V)	W	Y	AXIAL TENSILE STRENGTH lbf MIN
H33-	08 .1640-32UNJC-3B	.281	.242	.250	.070	.040	.220 .212	.005	1,915
	-836 .1640-36UNJF-3B								2,060
	3 .1900-32UNJF-3B	.350	.277	.328	.080	.050	.251 .243	.003	2,800
	4 .2500-28UNJF-3B	.430	.348						5,220
	5 .3125-24UNJF-3B	.525	.419	.360	.110	.060	.376 .367	.003	8,380
	6 .3750-24UNJF-3B	.598	.491	.458	.155	.070	.439 .430		12,940
	7L .4375-20UNJF-3B	.692	.631	.469	.170	.090	.564 .553	.005	17,440
	7 .4375-20UNJF-3B			.531					23,780
	8 .5000-20UNJF-3B	.786	.707	.578	.185	.110	.627 .616	.010	30,210
	9 .5625-18UNJF-3B	.880	.775	.633	.205	.115	.690 .679		38,410
	10 .6250-18UNJF-3B	.973	.881	.687	.235	.120	.783 .772		

MATERIAL: A286 CORROSION RESISTANT STEEL PER AMS5732 (UNS S66286).

FINISH: SILVER PLATE PER AMS2411.

PERFORMANCE: AS7250, EXCEPT AS FOLLOWS:

A) FINISH AS NOTED.

B) AXIAL TENSILE STRENGTH AS NOTED.

C) FOR SIZE H33-4 ONLY: INSTALLATION AND BREAKAWAY TORQUES SHALL NOT DROP BELOW 2 in-lbf AFTER 15 CYCLES SEATED TO 100 in-lbf.

NOTES: 1. DIMENSIONS C AND W APPLY PRIOR TO SELF LOCKING FEATURE.

2. PERPENDICULARITY TO BE CHECKED IN ACCORDANCE WITH NASM25027.

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THIRD ANGLE
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APPROVED DATE

05APR1983

CURRENT DESIGN ACTIVITY:



Howmet Fastening Systems
800 S State College Boulevard
Fullerton, California, 92831

<http://www.hfs.howmet.com>

TITLE:

NUT - 12 POINT,
SELF-LOCKING,
REDUCED WRENCH

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE
IN INCHES & TO ASME Y14.5-2018 TOLERANCES:
DECIMALS = ± 0.10 ; ANGLES = $\pm 2^\circ$

CAGE CODE: 15653

SALES DRAWING No.

H33-(*)

SHEET 1 OF 1

FILED AS: s_H33-(*)