



MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.

THIS DRAWING EMBODIES A CONFIDENTIAL, PROPRIETARY DESIGN & ALL DESIGN, MANUFACTURING PRODUCTION, USE & SALE RIGHTS REGARDING SAME ARE EXPRESSLY RESERVED.

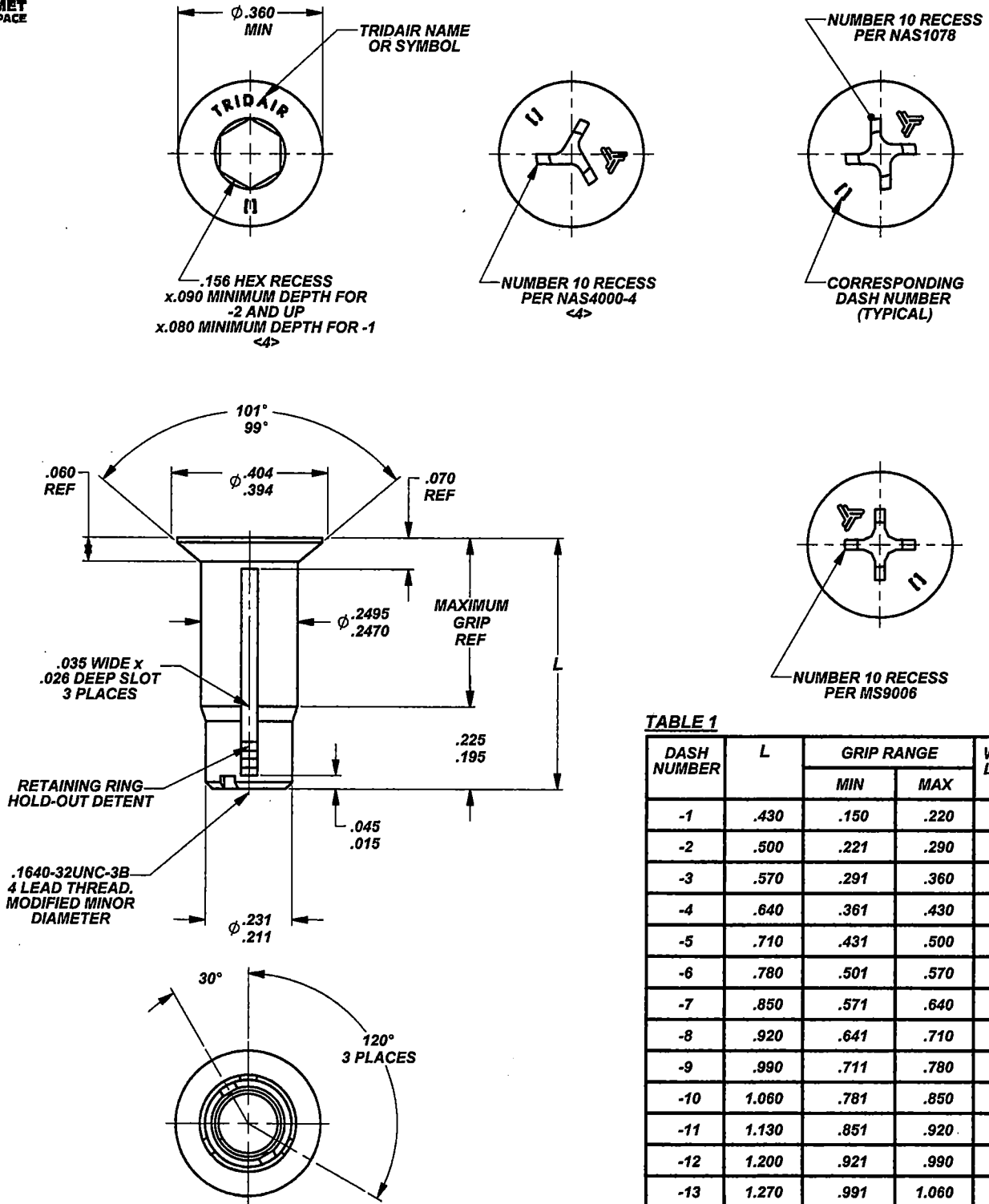


TABLE 1

DASH NUMBER	L	GRIP RANGE		WEIGHT LBS/100 EST.
		MIN	MAX	
-1	.430	.150	.220	.35
-2	.500	.221	.290	.43
-3	.570	.291	.360	.51
-4	.640	.361	.430	.59
-5	.710	.431	.500	.67
-6	.780	.501	.570	.75
-7	.850	.571	.640	.83
-8	.920	.641	.710	.91
-9	.990	.711	.780	.99
-10	1.060	.781	.850	1.07
-11	1.130	.851	.920	1.15
-12	1.200	.921	.990	1.23
-13	1.270	.991	1.060	1.31
-14	1.340	1.061	1.130	1.39

ORIGINAL DESIGN ACTIVITY: CAGE CODE 29372, TRIDAIR PRODUCTS

APPROVED DATE
17 AUG 93

REV. LETTER DATE
S 18 MAY 20

DAF NUMBER
119344

CURRENT DESIGN ACTIVITY:
Howmet Fastening Systems (HFS)
TORRANCE OPERATIONS

TRIDAIR PRODUCTS
3000 W. LOMITA BLVD.
TORRANCE, CA. 90505

TITLE:
**STUD NUT
FLUSH HEAD, ALLOY STEEL,
HOLD-OUT TYPE,
.1640-32UNC-3B, 4 LEAD**

UNLESS OTHERWISE SPECIFIED ANGLES DECIMALS .XX = ±.3° .XXX = ±.02° .XXXX = ±.010°

CURRENT DESIGN ACTIVITY:
CAGE CODE: 29372

SALES DRAWING NO.

CA18121-()

SHEET 1 OF 2

S41099



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NOTES; UNLESS OTHERWISE SPECIFIED:

1. **MATERIAL:** 8740 ALLOY STEEL PER AMS6322/MIL-S-6049 OR 4140 ALLOY STEEL PER AMS6382.
2. **HEAT TREAT:** 160 KSI MINIMUM PER AMS2759.
3. **FINISH:** CADMIUM PLATED PER AMS-QQ-P-416 TYPE II, CLASS 2 AND/OR AMS2400 CLASS 2.
- <4> **PART NUMBER EXAMPLE FOR TYPE OF RECESS REQUIRED.**
 - 4.1 CA18121-9HS = HEX RECESS
 - 4.2 CA18121-9TW = RECESS PER NAS4000-4.
 - 4.3 CA18121-9TS = RECESS PER NAS1078.
 - 4.4 CA18121-9P = CROSS RECESS PER MS9006
- <5> **FOR GRIPS LESS THAN .150 USE CA18029-()SHIM TO BUILD UP GRIP TO FALL BETWEEN .150-.220.**
6. **THIS STUD IS TO BE USED WITH A CA18157 RECEPTACLE AND A CA18132 RETAINING RING.**
7. **MECHANICAL PROPERTIES:**
 - 7.1 **ULTIMATE TENSILE:** 1,900 LBS. MINIMUM..
 - 7.2 **ULTIMATE SHEAR:** 2,200 LBS. MINIMUM THRU SHANK.
1,815 LBS. MINIMUM THRU HEX RECESS.
8. **THE MECHANICAL PROPERTIES SHOWN ARE CALCULATED VALUES, MECHANICAL PROPERTIES TESTING MAY NOT BE PERFORMED ON EACH PRODUCTION LOT.**
9. **CONSULT HOWMET ENGINEERING FASTENING SYSTEMS FOR AVAILABILITY OF OPTIONAL MATERIALS, FINISHES AND SIZES.**

ORIGINAL DESIGN ACTIVITY: CAGE CODE 29372, TRIDAIR PRODUCTS

APPROVED DATE 17 AUG 93		CURRENT DESIGN ACTIVITY: Howmet Fastening Systems (HFS)	TITLE: STUD NUT FLUSH HEAD, ALLOY STEEL, HOLD-OUT TYPE, .1640-32UNC-3B, 4 LEAD	CURRENT DESIGN ACTIVITY: CAGE CODE: 29372
REV. LETTER S	DATE 18 MAY 20	TORRANCE OPERATIONS		SALES DRAWING NO.
DAF NUMBER 119344	TRIDAIR PRODUCTS 3000 W. LOMITA BLVD. TORRANCE, CA. 90505		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & ASME Y14.5M TOLERANCES:	CA18121-()
S41099				
				SHEET 2 OF 2