



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.

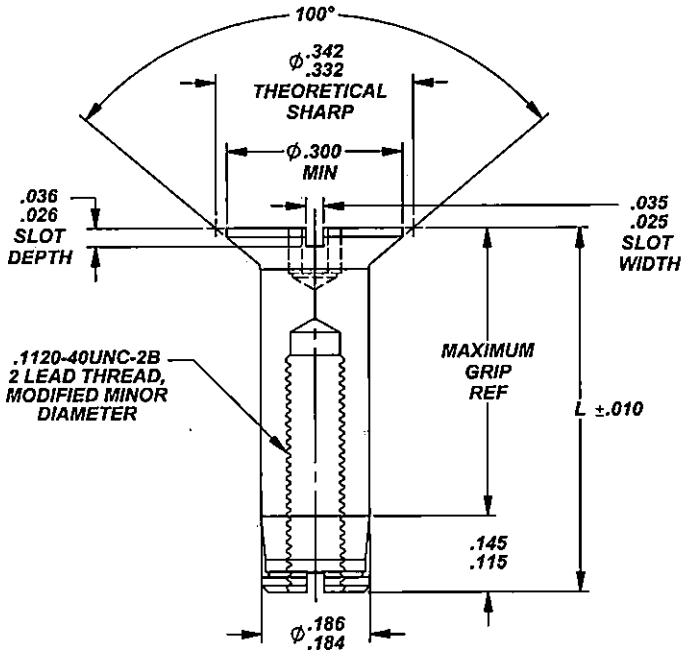
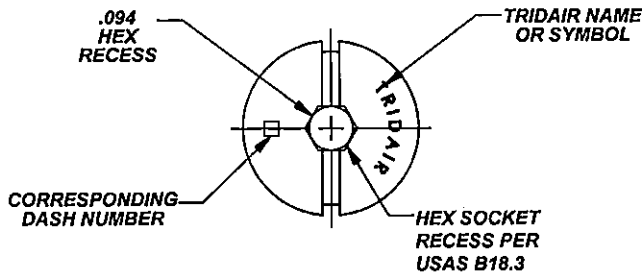


TABLE 1

DASH NUMBER	L	GRIP RANGE		WEIGHT LBS/100
		MIN	MAX	
-1 <5>	.312	.125	.187	.20
-2	.375	.188	.250	.24
-3	.437	.251	.312	.28
-4	.500	.313	.375	.32
-5	.562	.376	.437	.36
-6	.625	.438	.500	.40
-7	.687	.501	.562	.44
-8	.750	.563	.625	.48
-9	.812	.626	.687	.52
-10	.875	.688	.750	.56
-11	.937	.751	.812	.60
-16	1.250	1.063	1.125	.80
-84	5.437	5.251	5.312	3.36

TABLE 2 <7>

MATERIAL	ULTIMATE TENSILE STRENGTH LBS. MINIMUM	ULTIMATE SHEAR STRENGTH LBS. MINIMUM
CRES 300 SERIES	700	1,100
ALLOY STEEL	700	1,700

PROJECT NUMBER: 13PNL025

ORIGINAL DESIGN ACTIVITY: CAGE CODE 29372, TRIDAIR PRODUCTS

APPROVED DATE 07 JAN 79	CURRENT DESIGN ACTIVITY: Howmet Fastening Systems (HFS) TORRANCE OPERATIONS	TITLE: STUD NUT - 100° COUNTERSINK HEX RECESS, SLOTTED	CURRENT DESIGN ACTIVITY: CAGE CODE: 29372 SALES DRAWING NO.
REV. LETTER DATE R 21 JUN 23			
DAF NUMBER 122448	TRIDAIR PRODUCTS 3000 W. LOMITA BLVD. TORRANCE, CA. 90505	UNLESS OTHERWISE SPECIFIED ANGLES DECIMALS .XX = ±.3° .XXX = ±.02° ASME Y14.6M TOLERANCES:	CA2023-() SHEET 1 OF 2



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NOTES; UNLESS OTHERWISE SPECIFIED:

1. **MATERIAL:**
 - 1.1 **STUD NUT: 4140 OR 8740 ALLOY STEEL PER AMS6382 OR AMS6349 OR AMS6322.**
 - 1.2 **STUD NUT: 300 SERIES CRES PER ASTM-A-581/582/320, AMS5640/5738, AMS-QQ-S-763.**
2. **HEAT TREAT:**
 - 2.1 **STUD NUT: 160 P.S.I. (MINIMUM) PER AMS-H-6875, AMS2759, (ALLOY STEEL PARTS ONLY).**
3. **PART CALLOUT EXAMPLE: (MATERIAL AND FINISH OPTIONS).**
 - 3.1 **CA2023 - 3**
 - MATERIAL: 4140 OR 8740 ALLOY STEEL.
FINISH: CADMIUM PLATED PER AMS-QQ-P-416, TYPE II, CLASS 2.
 - L = .437, G = .312 (MAXIMUM)
 - BASIC PART NUMBER
 - 3.2 **CA2023 - 3 S**
 - MATERIAL: 300 SERIES CRES.
FINISH: PASSIVATED PER AMS2700.
 - 3.3 **CA2023 - 3 B**
 - MATERIAL: 300 SERIES CRES.
FINISH: BLACK OXIDE PER MIL-DTL-13924, CLASS 4.
 - 3.4 **CA2023 - 3 A**
 - MATERIAL: 300 SERIES CRES.
FINISH: ALUMINUM COAT PER NAS4006. COATING OPTIONAL ON ID THREAD.
 - 3.5 **CA2023 - 3 K**
 - MATERIAL: 300 SERIES CRES.
FINISH: ION VAPOR DEPOSITION COATING PER MIL-DTL-83488, TYPE II, CLASS 3.
COATING OPTIONAL ON ID THREAD.
4. **TO BE USED WITH CA2000 SERIES RECEPTACLES AND CA2035 RETAINING RING.**
- <5> **FOR GRIP LESS THAN .125 USE CA2012 SHIM(S) WITH CA2011 RECEPTACLE.**
6. **MECHANICAL PROPERTIES:**
 - 6.1 **SEE TABLE 2.**
- <7> **THE MECHANICAL PROPERTIES SHOWN ARE CALCULATED VALUES. MECHANICAL PROPERTIES TESTING MAY NOT BE PERFORMED ON EACH PRODUCTION LOT.**

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REV. LETTER DATE R 21 JUN 23		TORRANCE OPERATIONS				SALES DRAWING NO.	
DAF NUMBER 122448		TRIDAIR PRODUCTS 3000 W. LOMITA BLVD. TORRANCE, CA. 90505		UNLESS OTHERWISE SPECIFIED ANGLES = ±3° DIMENSIONS ARE IN INCHES & DECIMALS .XX = ±.02 ASME Y14.5M TOLERANCES: .XXX = ±.010		CA2023-()	
						SHEET 2 OF 2	

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