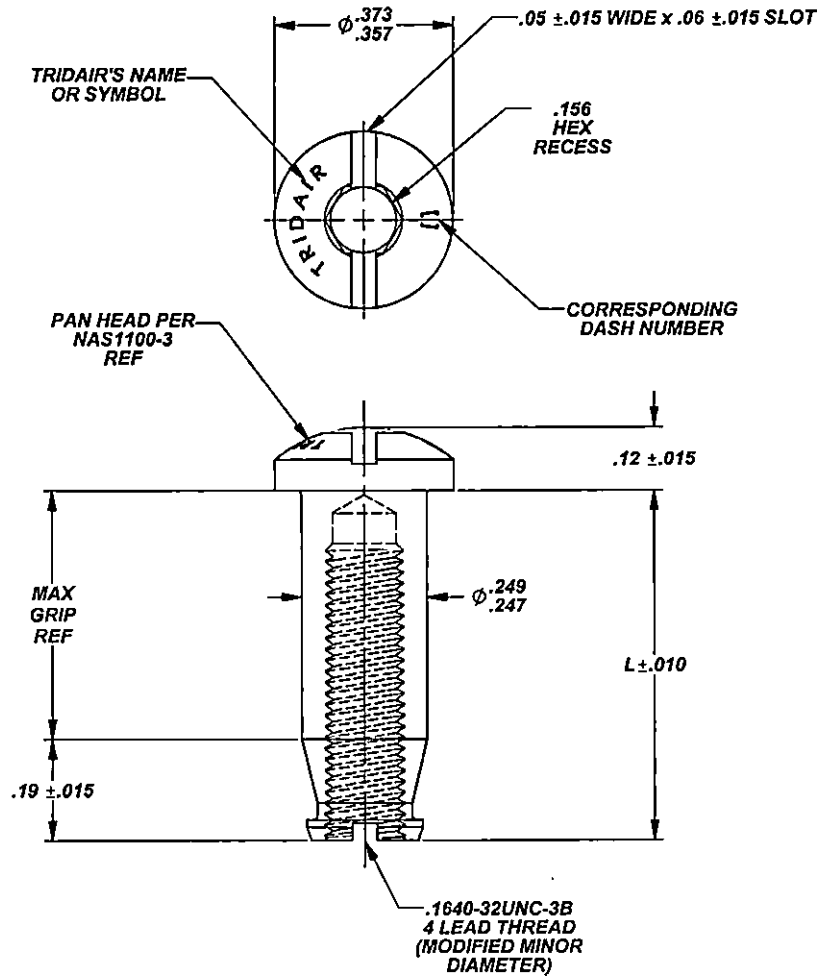




MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.

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 APPROX.
		MIN	MAX	
- 0	.343	.093	.156	.40
- 1	.437	.157	.250	.48
- 2	.531	.251	.343	.56
- 3	.625	.344	.437	.64
- 4	.718	.438	.531	.72
- 5	.812	.532	.625	.80
- 6	.906	.626	.718	.88
- 7	1.000	.719	.812	.96
- 8	1.093	.813	.906	1.04
- 9	1.187	.907	1.000	1.12
- 10	1.281	1.001	1.093	1.20
- 11	1.375	1.094	1.187	1.28
- 12	1.468	1.188	1.281	1.36
- 13	1.562	1.282	1.375	1.44
- 14	1.656	1.376	1.468	1.52

PROJECT NUMBER: 00-035, 13PNL074

ORIGINAL DESIGN ACTIVITY: CAGE CODE 29372, TRIDAIR PRODUCTS

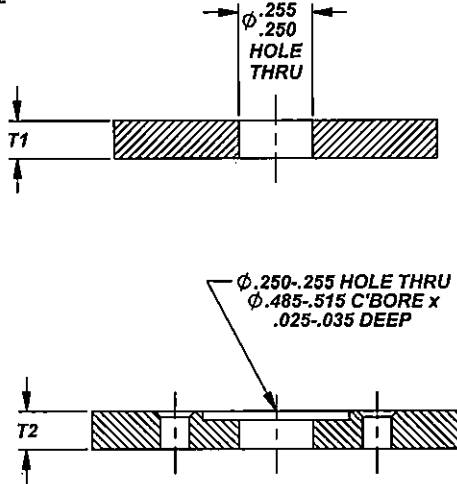
APPROVED DATE <b>26 JAN 68</b>	CURRENT DESIGN ACTIVITY: <b>Howmet Fastening Systems (HFS)</b>	TITLE: <b>STUD NUT</b>	CURRENT DESIGN ACTIVITY: <b>CAGE CODE: 29372</b>
REV. LETTER DATE <b>M 21 JUN 23</b>	<b>TORRANCE OPERATIONS</b>		<b>SALES DRAWING NO.</b>
DAF NUMBER <b>122449</b>	<b>TRIDAIR PRODUCTS</b> 3000 W. LOMITA BLVD. TORRANCE, CA. 90505	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & ASME Y14.5M TOLERANCES:	<b>CA1821-()</b>
<b>S45363</b>		ANGLES DECIMALS XX = .25° XX = .02 XXX = .010	<b>SHEET 1 OF 2</b>



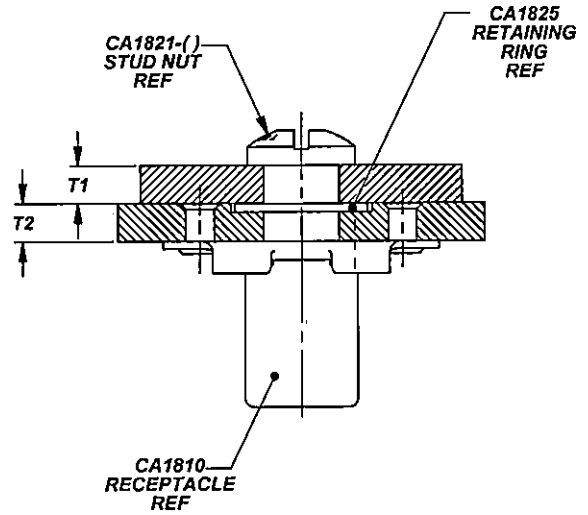
MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.

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

**PANEL PREPARATION**



**TYPICAL INSTALLATION**



**NOTES; UNLESS OTHERWISE SPECIFIED:**

1. MATERIAL:
- 1.2 STUD NUT: 300 SERIES CORROSION RESISTANT STEEL PER AMS5640/AMS5738, ASTM-A-581/582/320, AMS-QQ-S-763.
2. PART CALLOUT EXAMPLE: (MATERIAL AND FINISH OPTIONS).
- 2.1 CA1821-()
  - PASSIVATED PER AMS2700
- 2.2 CA1821-()A
  - ALUMINUM COAT PER NAS4006. COATING ON ID THREADS OPTIONAL. (SUFFIX THE LETTER "A" AFTER DASH NUMBER)
- 2.3 CA1821-()B
  - BLACK OXIDE PER MIL-DTL-13924, CLASS 4. (SUFFIX THE LETTER "B" AFTER DASH NUMBER)
- 2.4 CA1821-()C
  - CADMIUM PLATE PER AMS-QQ-P-416. TYPE II, CLASS 2. (SUFFIX THE LETTER "C" AFTER DASH NUMBER)
- 2.5 CA1821-()K
  - ION VAPOR DEPOSITION COATING PER MIL-DTL-83488, TYPE II, CLASS 3, COATING ON ID THREADS OPTIONAL. (SUFFIX THE LETTER "K" AFTER DASH NUMBER)
3. USAGE:
- 3.1 THIS STUD NUT IS DESIGNED FOR USE WITH A CA1810 RECEPTACLE AND A CA1825, CA1826-1 OR CA18377 RETAINING RINGS.
4. MECHANICAL PROPERTIES:
- 4.1 ULTIMATE TENSILE STRENGTH: 1,650 LBS. MINIMUM.
- 4.2 ULTIMATE SINGLE SHEAR STRENGTH: 1,800 LBS. MINIMUM.
5. THE MECHANICAL PROPERTIES SHOWN ARE CALCULATED VALUES. MECHANICAL PROPERTIES TESTING MAY NOT BE PERFORMED ON EACH PRODUCTION LOT.
6. DO NOT USE UNASSIGNED DASH NUMBERS. CONSULT HOWMET FASTENING SYSTEMS ENGINEERING DEPARTMENT FOR AVAILABILITY OF OPTIONAL MATERIALS, FINISHES AND SIZES.

PROJECT NUMBER: 00-035, 13PNL074

ORIGINAL DESIGN ACTIVITY: CAGE CODE 29372, TRIDAIR PRODUCTS

APPROVED DATE <b>26 JAN 68</b>		CURRENT DESIGN ACTIVITY: <b>Howmet Fastening Systems (HFS)</b>	TITLE: <b>STUD NUT</b>	CURRENT DESIGN ACTIVITY: <b>CAGE CODE: 29372</b>
REV. LETTER <b>M</b>	DATE <b>21 JUN 23</b>	TORRANCE OPERATIONS		SALES DRAWING NO.
DAF NUMBER <b>122449</b>	TRIDAIR PRODUCTS 3000 W. LOMITA BLVD. TORRANCE, CA. 90505		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & ASME Y14.6M TOLERANCES:	<b>CA1821-()</b>
			ANGLES DECIMALS XX = ±.3° XXX = ±.02°	SHEET <b>2</b> OF <b>2</b>