

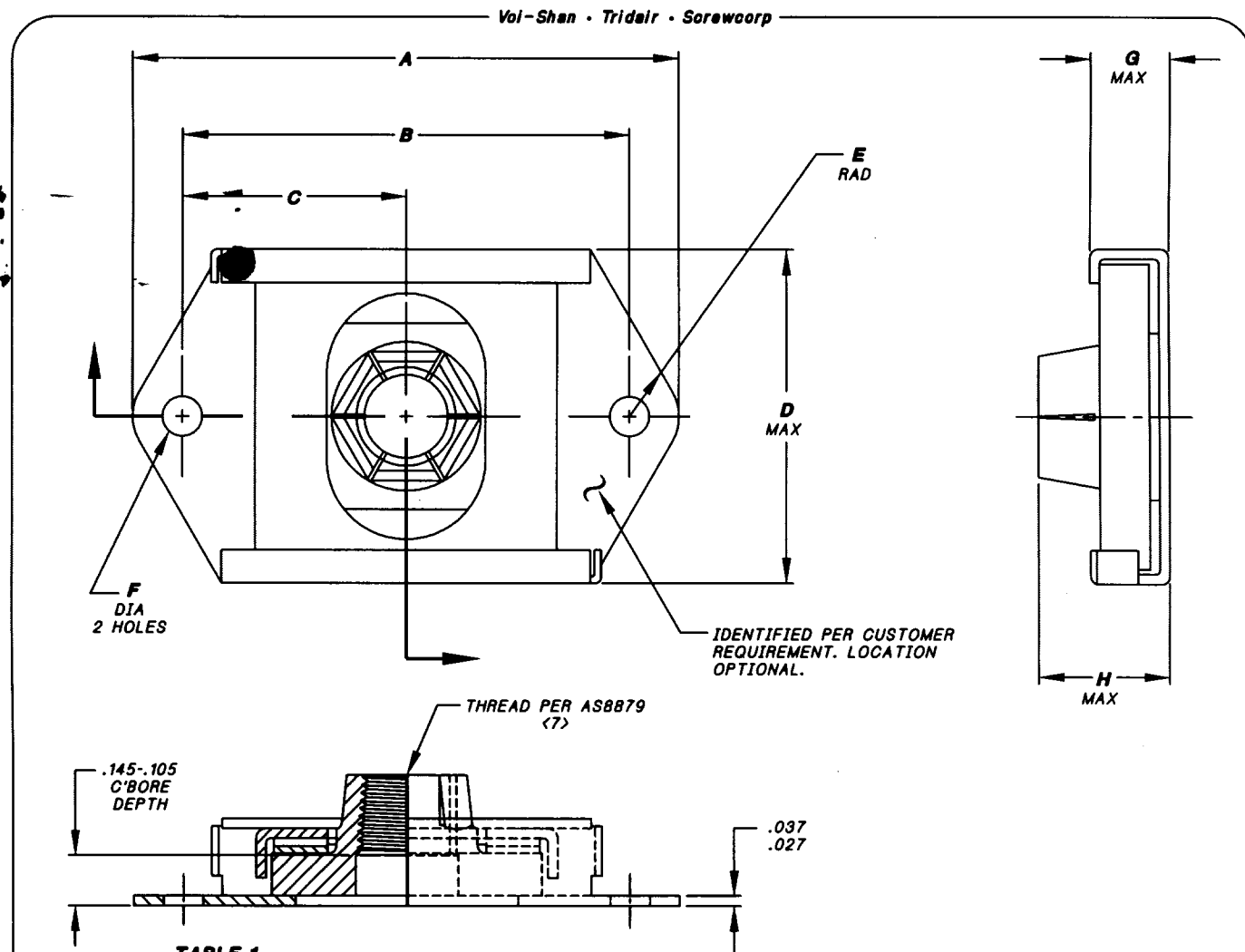


TABLE 1

SIZE	THREAD SIZE	A	B	C	D MAX	E RAD	F DIA	G MAX	H MAX
3	.1900-32UNJF-3B	1.390 1.360	1.127 1.123	.567 .557	.865	.125	.103 .098	.295	.349
4	.2500-28UNJF-3B	1.390 1.360	1.127 1.123	.567 .557	.865	.125	.103 .098	.295	.349
5	.3120-24UNJF-3B	1.660 1.630	1.377 1.373	.692 .682	1.145	.135	.135 .130	.295	.389

TABLE 2

SIZE	AXIAL TENSILE STRENGTH (LBS. MIN.)		TORQUE OUT (IN-LBS. MIN.)	PUSHOUT (LBS. MIN.)	SEATING TORQUE (IN-LBS.)	MAXIMUM INSTALLATION OR REMOVAL TORQUE (IN-LBS.)	MINIMUM TORQUE (IN-LBS.)
	ASSEMBLY	NUT ELEMENT					
3	700	2,460	N/A	100	36.0	18	2.0
4	700	4,590	80	125	120.0	30	3.5
5	700	7,390	80	125	220.0	60	12.0

UNLESS OTHERWISE SPECIFIED:

TOLERANCE:
DECIMALS:
.XX .02
.XXX .010
ANGLE: .5°

APPROVED DATE

11 SEP 03

REV. LETTER AND DATE

C 11 SEP 03

DAF NUMBER

DAF 60042

Fairchild **FAIRCHILD FASTENERS**
ENGINEERING CENTER
3000 WEST LOMITA BOULEVARD
TORRANCE, CA 90505

NUT PLATE
FLAT BEAM NUT
.100 RADIAL FLOAT
ALLOY STEEL, LOW PROFILE

CAGE CODE **29372**

TRIDAIR PRODUCT

FBL10038()-()

SHEET 1 OF 2

Voi-Shan • Tridair • Sorewoorp

NOTES; UNLESS OTHERWISE SPECIFIED:

1. MATERIAL:

1.1 NUT: 4140 ALLOY STEEL PER AMS6382 OR 8740 ALLOY STEEL PER AMS6322 OR AMS6325 OR AMS6327.

1.2 SPRING AND HOUSING: 17-7PH CRES PER AMS5529 OR AMS5528.

1.3 CAGE: 300 SERIES CRES PER MIL-S-5059.

2. HEAT TREAT:

2.1 NUT: 180-200 KSI PER AMS2759 OR AMS-H-6875.

2.2 HOUSING: CONDITION TH1050 PER AMS2759 OR AMS-H-6875.

3. FINISH:

3.1 NUT: CADMIUM PLATE PER AMS-QQ-P-416, TYPE 1, CLASS CLASS 2 AND DRY FILM LUBE PER AS5272.

3.2 SPRING, CAGE AND HOUSING: PASSIVATED PER AMS-QQ-P-35 AND DRY FILM LUBE PER AS5272 OR OPTIONAL FINISH OF CADMIUM PLATE PER AMS-QQ-P-416, TYPE 1, CLASS 2 AND DRY FILM LUBE PER AS5272. SEE EXAMPLE PART NUMBER CALLOUT.

4. PERFORMANCE: THE SELF-LOCKING FEATURE SHALL BE A FLAT BEAM TYPE CAPABLE OF 250 SEATED, USABLE CYCLES WHEN TESTED WITH A 160 KSI MINIMUM ULTIMATE TENSILE STRENGTH, CADMIUM PLATED, ALLOY STEEL BOLT. SEE TABLE 2.

5. FLOATABILITY: NUT FLOATS .100 MINIMUM RADially FROM CAGE CENTERLINE. <8>

6. ANTI-SEIZE COMPOUND PER MIL-A-907 APPLIED TO INTERNAL THREAD.

<7> THREAD PER AS8879 EXCEPT IN LOCKING AREA AND PRIOR TO LUBRICATION.

<8> PART IS SPRING LOADED; HEAVY THUMB PRESSURE MUST BE APPLIED TO NUT TO OBTAIN FLOATABILITY.

9. PART CALLOUT EXAMPLE:

FBL10038-4

NUT PLATE - PASSIVATED SPRING,
CAGE AND HOUSING PER AMS-QQ-P-35.

FBL10038C-4

NUT PLATE - CADMIUM PLATED SPRING,
CAGE AND HOUSING PER AMS-QQ-P-416.

UNLESS OTHERWISE SPECIFIED:
TOLERANCE:
DECIMALS:
.XX ±.02
.XXX ±.010
ANGLE: ±2°

APPROVED DATE

11 SEP 03

REV. LETTER AND DATE

C 11 SEP 03

DAF NUMBER

DAF 60042

Fairchild FAIRCHILD FASTENERS
ENGINEERING CENTER
3000 WEST LOMITA BOULEVARD
TORRANCE, CA 90505

NUT PLATE
FLAT BEAM NUT
.100 RADIAL FLOAT
ALLOY STEEL, LOW PROFILE

CAGE CODE **29372**

TRIDAIR PRODUCT

FBL10038()-()

SHEET 2 OF 2

345063