

Voi-Shan • Tridair • Screwcorp

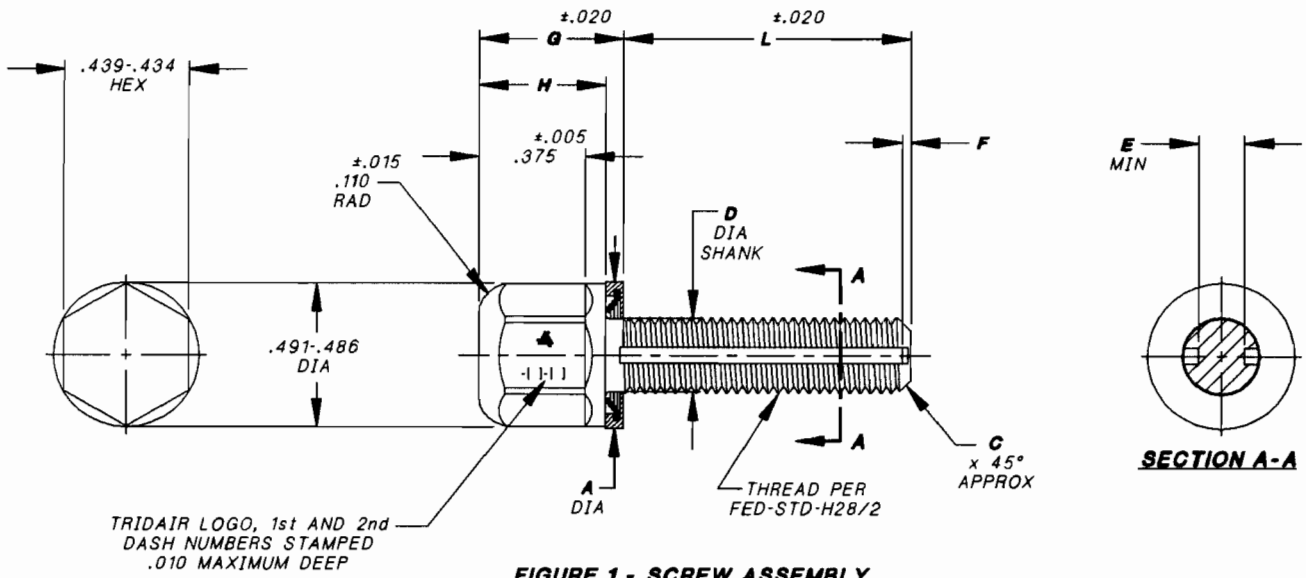


FIGURE 1 - SCREW ASSEMBLY

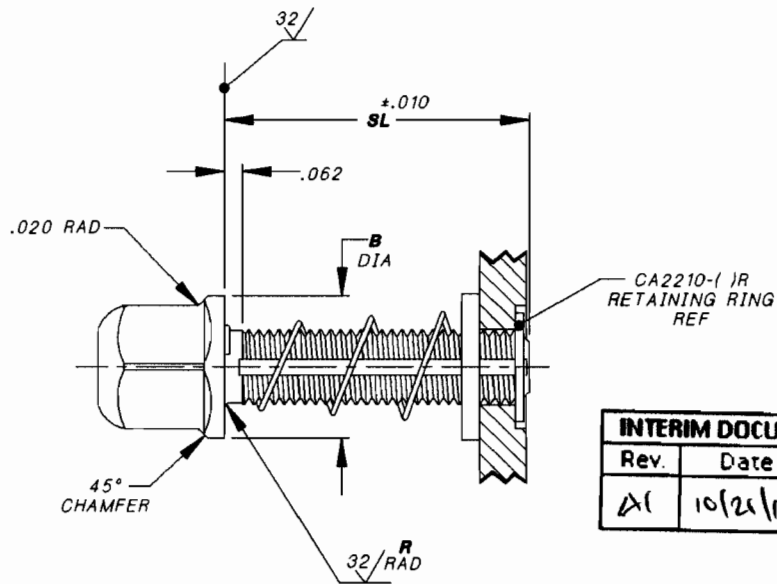


FIGURE 2 - INSTALLED AND RETRACTED (6)

TABLE 1

FIRST DASH NUMBER	THREAD SIZE UNF-3A	A DIA	B DIA	C	D DIA	E MIN	F	G	H	R RAD	ULTIMATE TENSILE STRENGTH MIN (CALCULATED)	ULTIMATE SHEAR STRENGTH MIN (CALCULATED)
-10	.190-32	.480	.491 .486	.030	.1895 .1885	.108	.040	.502	.440	.020 .010	2,425 LBS.	1,450 LBS.
-4	.250-28	.500	.491 .486	.035	.2495 .2485	.162	.040	.502	.440	.020 .010	4,625 LBS.	2,775 LBS.
-5	.3125-24	.625	.565 .559	.040	.3120 .3115	.205	.050	.537	.475	.020 .010	7,400 LBS.	4,425 LBS.
-6	.375-24	.750	.630 .620	.040	.3745 .3740	.268	.050	.567	.505	.025 .015	11,300 LBS.	7,300 LBS.

PROJECT NUMBER: 95-088

APPROVED DATE	1 FEB 95
REV. LETTER AND DATE	A 10 JAN 90
ECN NUMBER	ECN 38240

**Fairchild AEROSPACE FASTENER DIVISION**  
**ENGINEERING CENTER**  
 3000 WEST LOMITA BOULEVARD  
 TORRANCE, CA 90505

CAGE CODE **29372**  
 TRIDAIR PRODUCT

**CAPTIVE SCREW ASSEMBLIES,  
 SELF-RETRACTING, "CRIMPING" TYPE,  
 EVA HEX HEAD, CRES, 160 KSI**

**CA22031-()-()**  
 SHEET 1 OF 2

SCANNED

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**TABLE 2**

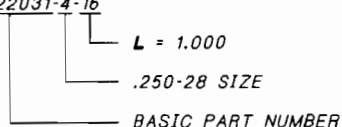
SECOND DASH NUMBER	L	SL
-7	.437	.500
-8	.500	.562
-9	.562	.625
-10	.625	.687
-11	.687	.750
-12	.750	.812
-13	.812	.875
-14	.875	.937
-15	.937	1.000
-16	1.000	1.062
-17	1.062	1.125

SECOND DASH NUMBER	L	SL
-18	1.125	1.187
-19	1.187	1.250
-20	1.250	1.312
-21	1.312	1.375
-22	1.375	1.437
-23	1.437	1.500
-24	1.500	1.562
-25	1.562	1.625
-26	1.625	1.687
-27	1.687	1.750
-28	1.750	1.812

NOTES, UNLESS OTHERWISE SPECIFIED:

1. MATERIAL:
  - 1.1 SCREW: - A286 CRES PER AMS5731, AMS5737.
  - 1.2 HOUSING: - 300 SERIES CRES PER AMS5640, ASTM-A555, ASTM-A581.
  - 1.3 SPRING: - 302 CRES PER ASTM-A313.
2. HEAT TREAT: SCREW ONLY - 160,000 PSI MINIMUM TENSILE.
3. FINISH: ALL COMPONENTS PASSIVATED PER QQ-P-35.
4. PANEL PREPARATION: REFER TO DRAWING NUMBER CAL-STD-0260.
5. REFER TO DRAWING NUMBER CA2210T-( ) FOR INSTALLATION PROCEDURE AND REQUIRED TOOL.
6. ASSEMBLIES WITH L LENGTHS OVER 1.000 MAY NOT FULLY SELF-RETRACT.

7. PART CALLOUT EXAMPLE:  
CA22031-4-16



9. TOLERANCES, UNLESS OTHERWISE SPECIFIED: DECIMALS .XX ±.02, .XXX ±.010, ANGLES ±2°, SURFACE FINISH 125 MICROINCHES Ra.

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
A1	10/21/10	94301

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SHEET 2 OF 2