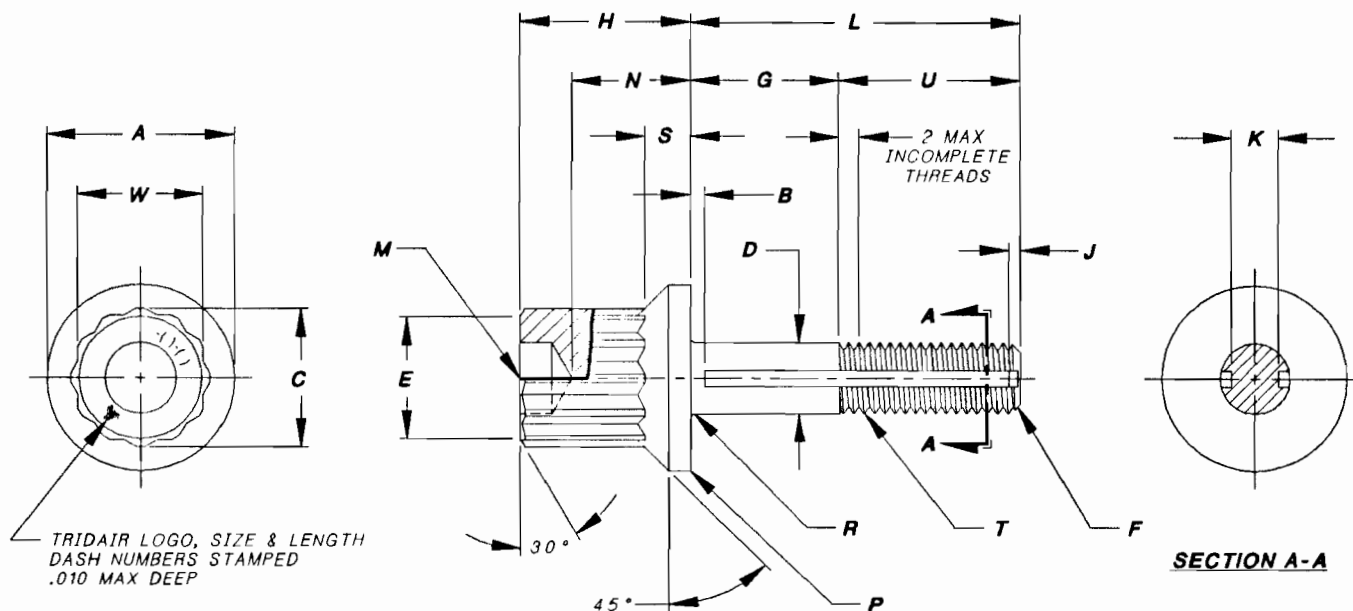


Voi-Shan • Tridair • Screwcorp



TRIDAIR LOGO, SIZE & LENGTH DASH NUMBERS STAMPED .010 MAX DEEP

TABLE I

-()	T THREAD PER MIL-S-8879 <11>	A DIA	B MIN	C DIA	D DIA	E DIA	F x 45° APPROX.	G	H ±.003	J	K MIN
-4-0938	.2500-28UNJF-3A	.656 .642	.050	.491 .486	.2500 .2435	.437 .422	.035	.313	.600	.040	.162
-4-1125	.2500-28UNJF-3A	.656 .642	.050	.491 .486	.2500 .2435	.437 .422	.035	.500	.600	.040	.162
-5-0937	.3125-24UNJF-3A	.656 .642	.065	.491 .486	.3125 .3053	.437 .422	.040	.250	.600	.050	.205
-5-1000	.3125-24UNJF-3A	.656 .642	.065	.491 .486	.3125 .3053	.437 .422	.040	.313	.600	.050	.205
-5-1187	.3125-24UNJF-3A	.656 .642	.065	.491 .486	.3125 .3053	.437 .422	.040	.500	.600	.050	.205
-5-1250	.3125-24UNJF-3A	.656 .642	.065	.491 .486	.3125 .3053	.437 .422	.040	.563	.600	.050	.205
-5-1500	.3125-24UNJF-3A	.656 .642	.065	.491 .486	.3125 .3053	.437 .422	.040	.813	.600	.050	.205
-5-2000	.3125-24UNJF-3A	.656 .642	.065	.491 .486	.3125 .3053	.437 .422	.040	1.313	.600	.050	.205

TABLE I (CONTINUED)

-()	L	M DIA ±.020	N ±.030	P MAX BREAK	R RAD	S	U REF	W
-4-0938	.938	.250	.415	.015	.023 .018	.156	.625	.439 .434
-4-1125	1.125	.250	.415	.015	.023 .018	.156	.625	.439 .434
-5-0937	.937	.250	.415	.015	.023 .018	.156	.687	.439 .434
-5-1000	1.000	.250	.415	.015	.023 .018	.156	.687	.439 .434
-5-1187	1.187	.250	.415	.015	.023 .018	.156	.687	.439 .434
-5-1250	1.250	.250	.415	.015	.023 .018	.156	.687	.439 .434
-5-1500	1.500	.250	.415	.015	.023 .018	.156	.687	.439 .434
-5-2000	2.000	.250	.415	.015	.023 .018	.156	.687	.439 .434

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

S4365 PROJECT NUMBERS: 95-006 & 95-006A

APPROVED DATE	8 SEP 94
REV. LETTER AND DATE	<del>C</del> 17 JUN 90
ECN NUMBER	
ECN 00090	

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

CAGE CODE 29372  
 TRIDAIR PRODUCT

CAPTIVE SCREW  
 12 POINT, OVERSIZE HEAD  
 A286 CRES, 200 KSI

CA22023-()

SHEET 1 OF 2

SCANNED

Voi-Shan • Tridair • Screwcorp

NOTES, UNLESS OTHERWISE SPECIFIED:

1. MATERIAL:
    - 1.1 A286 CRES PER AMS5731 OR AMS5737.
  2. HEAT TREAT:
    - 2.1 200 KSI MINIMUM PER MIL-H-6875.
  3. FINISH:
    - 3.1 PASSIVATE PER QQ-P-35. AND DRY FILM LUBRICANT PER MIL-L-46010, TYPE I.
  4. THESE SCREWS ARE DESIGNED TO BE USED WITH CA2210-( ) RETAINING RING TO CAPTIVATE TO PANEL.
  5. RECOMMENDED PANEL PREPARATION PER FAIRCHILD'S CAL-STD-0260.
  6. INSTALLATION PROCEDURE PER FAIRCHILD'S SALES DRAWING NUMBER CA2210T-( ).
- [REDACTED]
8. TOLERANCES, UNLESS OTHERWISE SPECIFIED: .XX ±.02, .XXX ±.010, ANGLES ±2°.
  9. QUALITY CONFORMANCE INSPECTION SHALL BE PER FF-S-86, PARAGRAPH 4, WITH THE FOLLOWING EXCEPTIONS:
    - 9.1 HARDNESS TESTING PER PARAGRAPH 4.3.1.1 SHALL CONFIRM HRC 40-44.
    - 9.2 TENSION TESTING TO BE LIMITED TO AXIAL ONLY PER PARAGRAPH 4.3.1.2 EXCEPT TEST PER MIL-STD-1312-8. MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 5,226 LBS FOR .2500-28 SIZE AND 8,518 LBS FOR .3125-24 SIZE SCREWS.
    - 9.3 DISCONTINUITY INSPECTION TEST SHALL BE PER MIL-STD-6866 PENETRANT INSPECTION.
    - 9.4 DOUBLE SHEAR TEST REQUIREMENTS:
      - a, FASTENERS WITH GRIP LENGTH GREATER THAN OR EQUAL TO THREE NOMINAL DIAMETER. SHALL BE TESTED IN DOUBLE SHEAR PER MIL-STD-1312-13. APPLY LOAD ACROSS SLOTS. MINIMUM ULTIMATE DOUBLE SHEAR STRENGTH SHALL BE 6,794 LBS FOR .2500-28 AND 11,066 LBS FOR .3125-24 SIZE SCREWS.
      - b, FASTENERS WITH GRIP LENGTH LESS THAN THREE NOMINAL DIAMETER AND GREATER THAN OR EQUAL TO ONE NOMINAL DIAMETER. SHALL BE TESTED IN SINGLE SHEAR PER MIL-STD-1312-20. APPLY LOAD ACROSS SLOTS. MINIMUM ULTIMATE SHEAR STRENGTH SHALL BE 3,397 LBS FOR .2500-28 AND 5,533 LBS FOR .3125-24 SIZE SCREWS.
      - c, FASTENERS WITH GRIP LENGTH LESS THAN ONE NOMINAL DIAMETER, SHEAR STRENGTH SHALL BE VERIFIED BY TESTING BLANKS WHICH ARE:
        - 1, THREADED (AS NECESSARY) AND SLOTTED IDENTICAL TO THE FASTENER GRIP.
        - 2, FABRICATED FROM THE SAME HEAT OF MATERIAL AS THE FASTENERS.
        - 3, HEAT TREATED WITH THE SAME LOT AS THE FASTENERS.
        - 4, TEST THE SAME AS "a" OF NOTE 9.4
    - 9.5 FATIGUE TESTING IS REQUIRED. TENSION-TENSION FATIGUE TEST PER MIL-STD-1312-11 WITH CYCLE LIFE AND SAMPLING PER NAS4003. HIGH LOAD SHALL BE 2,350 LBS FOR .2500-28 AND 3,830 LBS FOR .3125-24 SIZE SCREWS. LOW LOAD SHALL BE 235 LBS FOR .2500-28 AND 383 LBS FOR .3125-24 SIZE SCREWS.
    - 9.6 INSPECTION SAMPLING FOR ALL TESTS EXCEPT FATIGUE SHALL BE PER FF-S-86, PARAGRAPH 4.2.3 OR 4.2.7 AS APPLICABLE.
    10. SCREW HEADS SHALL BE FORGED.
    11. THREADS SHALL BE ROLLED AFTER HEAT TREAT AND MAJOR DIA SHALL BE .001 LESS THAN MINIMUM SHANK DIA.
    12. SURFACE ROUGHNESS PER ANSI B46.1, AND SHALL NOT EXCEED 125 MICROINCHES.
    13. PACKAGING PER ASTM-D3951.
    14. CONTAINER MARKING PER FED-STD-123.

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
C1	10/21/10	94301

SCANNED

S1365 PROJECT NUMBERS: 95-006 & 95-006A

APPROVED DATE  8 SEP 94	<b>Fairchild</b> AEROSPACE FASTENER DIVISION <b>ENGINEERING CENTER</b> 3000 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE <b>29372</b> TRIDAIR PRODUCT
REV. LETTER AND DATE <b>C</b> 17 JUN 90		<b>CAPTIVE SCREW</b> <b>12 POINT, OVERSIZE HEAD</b> <b>A286 CRES, 200 KSI</b>
ECN NUMBER <del>ECN 38890</del>		SHEET 2 OF 2