

Voi-Shan • Tridair • Screwcorp

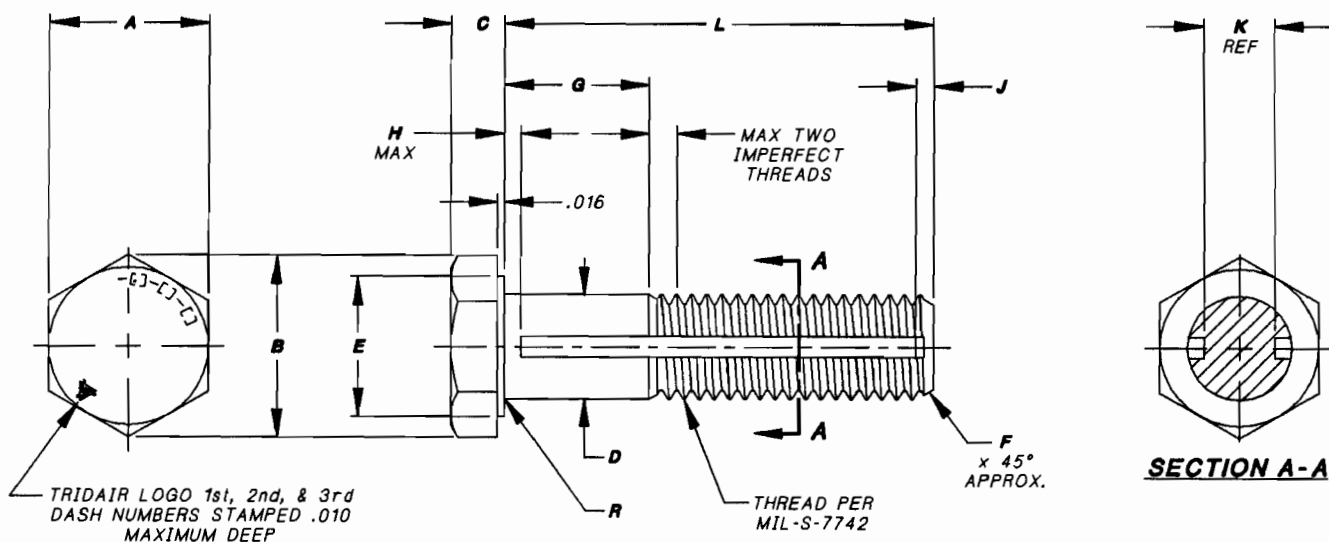


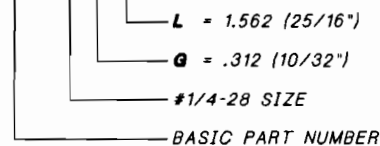
TABLE 1

FIRST DASH NUMBER	THREAD SIZE	A HEX	B REF	C	D DIA	E DIA MIN	F	H MAX	J	K REF	R RAD	ULTIMATE TENSILE STRENGTH MIN. (CALCULATED)	ULTIMATE SINGLE SHEAR STRENGTH MIN. (CALCULATED)
-06	.138-32UNC-3A	.251 .243	.277	.093 .080	.1375 .1365	.210	.030	.050	.040	.070	.010 .005	1,060 LBS	750 LBS
-08	.164-32UNC-3A	.251 .243	.277	.110 .096	.1635 .1625	.210	.030	.050	.040	.090	.020 .010	1,650 LBS	990 LBS
-10	.190-32UNF-3A	.314 .305	.348	.120 .105	.1895 .1885	.272	.030	.050	.040	.110	.020 .010	2,425 LBS	1,450 LBS
-4	.250-28UNF-3A	.376 .367	.410	.140 .125	.2495 .2485	.335	.035	.050	.040	.165	.020 .010	4,625 LBS	2,775 LBS
-5	.3125-24UNF-3A	.500 .489	.545	.230 .208	.3120 .3115	.450	.040	.065	.050	.210	.020 .010	7,400 LBS	4,425 LBS
-6	.375-24UNF-3A	.562 .551	.614	.295 .270	.3745 .3740	.506	.040	.065	.050	.270	.025 .015	11,300 LBS	7,300 LBS

NOTES:

1. MATERIAL: A286 CRES PER AMS5731, AMS5737.
2. HEAT TREAT: PER AMS5737, AGE ONLY TO ACHIEVE 160,000 PSI MINIMUM TENSILE.
3. FINISH:
 - 3.1 STANDARD - PASSIVATED PER QQ-P-35.
 - 3.2 OPTIONAL - BLACK OXIDE COATING PER MIL-C-13924 DESIGNATED BY LETTER "B" AFTER BASIC PART NUMBER (SEE EXAMPLE, NOTE 7).
4. SCREW TO BE USED WITH CA2210-() RETAINING RING TO CAPTIVATE TO PANEL.
5. PANEL PREPARATION REFER TO CAL-STD-0260 DRAWING.
6. INSTALLATION: REFER TO CA2210T-() DRAWING.
7. PART NUMBER EXAMPLES:

CA22014-4-10-25



CA22014B-4-10-25

OPTIONAL BLACK OXIDE FINISH

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

9. TOLERANCES; UNLESS OTHERWISE SPECIFIED: DECIMALS .XX ±.02, .XXX ±.010, ANGLES ±2°.

S13512 PROJECT NUMBER: 94-093

APPROVED DATE	2 MAR 94
REV. LETTER AND DATE	2 MAR 94
ECN NUMBER	ECN 05000

Fairchild AEROSPACE FASTENER DIVISION
 ENGINEERING CENTER
 3010 WEST LOMITA BOULEVARD
 TORRANCE, CA 90505

CAGE CODE **92215**
 TRIDAIR PRODUCT

SCREW, CAPTIVE,
 HEX HEAD, CRES

CA22014-()-()-()

SHEET 1 OF 4

SCANNED

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TABLE 2

	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
.138-32 SIZE FIRST DASH NO.-08	-2 -7	-3 -7	-4 -7	-5 -7	-6 -7	-7 -7	-8 -7	-9 -7	-10 -7	.437
	-2 -8	-3 -8	-4 -8	-5 -8	-6 -8	-7 -8	-8 -8	-9 -8	-10 -8	.500
	-2 -9	-3 -9	-4 -9	-5 -9	-6 -9	-7 -9	-8 -9	-9 -9	-10 -9	.562
	-2 -10	-3 -10	-4 -10	-5 -10	-6 -10	-7 -10	-8 -10	-9 -10	-10 -10	.625
	-2 -11	-3 -11	-4 -11	-5 -11	-6 -11	-7 -11	-8 -11	-9 -11	-10 -11	.687
	-2 -12	-3 -12	-4 -12	-5 -12	-6 -12	-7 -12	-8 -12	-9 -12	-10 -12	.750
	-2 -13	-3 -13	-4 -13	-5 -13	-6 -13	-7 -13	-8 -13	-9 -13	-10 -13	.812
	-2 -14	-3 -14	-4 -14	-5 -14	-6 -14	-7 -14	-8 -14	-9 -14	-10 -14	.875
	-2 -15	-3 -15	-4 -15	-5 -15	-6 -15	-7 -15	-8 -15	-9 -15	-10 -15	.937
	-2 -16	-3 -16	-4 -16	-5 -16	-6 -16	-7 -16	-8 -16	-9 -16	-10 -16	1.000
	-2 -17	-3 -17	-4 -17	-5 -17	-6 -17	-7 -17	-8 -17	-9 -17	-10 -17	1.062
	-2 -18	-3 -18	-4 -18	-5 -18	-6 -18	-7 -18	-8 -18	-9 -18	-10 -18	1.125
	-2 -19	-3 -19	-4 -19	-5 -19	-6 -19	-7 -19	-8 -19	-9 -19	-10 -19	1.187
	-2 -20	-3 -20	-4 -20	-5 -20	-6 -20	-7 -20	-8 -20	-9 -20	-10 -20	1.250
	-2 -21	-3 -21	-4 -21	-5 -21	-6 -21	-7 -21	-8 -21	-9 -21	-10 -21	1.312
	-2 -22	-3 -22	-4 -22	-5 -22	-6 -22	-7 -22	-8 -22	-9 -22	-10 -22	1.375
	-2 -23	-3 -23	-4 -23	-5 -23	-6 -23	-7 -23	-8 -23	-9 -23	-10 -23	1.437
	-2 -24	-3 -24	-4 -24	-5 -24	-6 -24	-7 -24	-8 -24	-9 -24	-10 -24	1.500
	-2 -25	-3 -25	-4 -25	-5 -25	-6 -25	-7 -25	-8 -25	-9 -25	-10 -25	1.562
	-2 -26	-3 -26	-4 -26	-5 -26	-6 -26	-7 -26	-8 -26	-9 -26	-10 -26	1.625
	-2 -27	-3 -27	-4 -27	-5 -27	-6 -27	-7 -27	-8 -27	-9 -27	-10 -27	1.687
	-2 -28	-3 -28	-4 -28	-5 -28	-6 -28	-7 -28	-8 -28	-9 -28	-10 -28	1.750

TABLE 3

	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
.164-32 SIZE FIRST DASH NO.-08	-2 -8	-3 -8	-4 -8	-5 -8	-6 -8	-7 -8	-8 -8	-9 -8	-10 -8	.500
	-2 -9	-3 -9	-4 -9	-5 -9	-6 -9	-7 -9	-8 -9	-9 -9	-10 -9	.562
	-2 -10	-3 -10	-4 -10	-5 -10	-6 -10	-7 -10	-8 -10	-9 -10	-10 -10	.625
	-2 -11	-3 -11	-4 -11	-5 -11	-6 -11	-7 -11	-8 -11	-9 -11	-10 -11	.687
	-2 -12	-3 -12	-4 -12	-5 -12	-6 -12	-7 -12	-8 -12	-9 -12	-10 -12	.750
	-2 -13	-3 -13	-4 -13	-5 -13	-6 -13	-7 -13	-8 -13	-9 -13	-10 -13	.812
	-2 -14	-3 -14	-4 -14	-5 -14	-6 -14	-7 -14	-8 -14	-9 -14	-10 -14	.875
	-2 -15	-3 -15	-4 -15	-5 -15	-6 -15	-7 -15	-8 -15	-9 -15	-10 -15	.937
	-2 -16	-3 -16	-4 -16	-5 -16	-6 -16	-7 -16	-8 -16	-9 -16	-10 -16	1.000
	-2 -17	-3 -17	-4 -17	-5 -17	-6 -17	-7 -17	-8 -17	-9 -17	-10 -17	1.062
	-2 -18	-3 -18	-4 -18	-5 -18	-6 -18	-7 -18	-8 -18	-9 -18	-10 -18	1.125
	-2 -19	-3 -19	-4 -19	-5 -19	-6 -19	-7 -19	-8 -19	-9 -19	-10 -19	1.187
	-2 -20	-3 -20	-4 -20	-5 -20	-6 -20	-7 -20	-8 -20	-9 -20	-10 -20	1.250
	-2 -21	-3 -21	-4 -21	-5 -21	-6 -21	-7 -21	-8 -21	-9 -21	-10 -21	1.312
	-2 -22	-3 -22	-4 -22	-5 -22	-6 -22	-7 -22	-8 -22	-9 -22	-10 -22	1.375
	-2 -23	-3 -23	-4 -23	-5 -23	-6 -23	-7 -23	-8 -23	-9 -23	-10 -23	1.437
	-2 -24	-3 -24	-4 -24	-5 -24	-6 -24	-7 -24	-8 -24	-9 -24	-10 -24	1.500
	-2 -25	-3 -25	-4 -25	-5 -25	-6 -25	-7 -25	-8 -25	-9 -25	-10 -25	1.562
	-2 -26	-3 -26	-4 -26	-5 -26	-6 -26	-7 -26	-8 -26	-9 -26	-10 -26	1.625
	-2 -27	-3 -27	-4 -27	-5 -27	-6 -27	-7 -27	-8 -27	-9 -27	-10 -27	1.687
	-2 -28	-3 -28	-4 -28	-5 -28	-6 -28	-7 -28	-8 -28	-9 -28	-10 -28	1.750

INTERIM DOCUMENT REVISION	
Rev	Date
N/A1	10/24/10
DAF #	9430J

S43547 PROJECT NUMBER: 94-093

APPROVED DATE	2 MAR 94
REV. LETTER AND DATE	2 MAR 94
ECN NUMBER	ECN 05000

Fairchild AEROSPACE FASTENER DIVISION
 ENGINEERING CENTER
 3010 WEST LOMITA BOULEVARD
 TORRANCE, CA 90505

CAGE CODE **92215**
 TRIDAIR PRODUCT

**SCREW, CAPTIVE,
 HEX HEAD, CRES**

CA22014-()-()-()

SHEET 2 OF 4

SCANNED

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TABLE 4

	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
.190-32 SIZE FIRST DASH NO.-10	-2 -9	-3 -9	-4 -9	-5 -9	-6 -9	-7 -9	-8 -9	-9 -9	-10 -9	.562
	-2 -10	-3 -10	-4 -10	-5 -10	-6 -10	-7 -10	-8 -10	-9 -10	-10 -10	.625
	-2 -11	-3 -11	-4 -11	-5 -11	-6 -11	-7 -11	-8 -11	-9 -11	-10 -11	.687
	-2 -12	-3 -12	-4 -12	-5 -12	-6 -12	-7 -12	-8 -12	-9 -12	-10 -12	.750
	-2 -13	-3 -13	-4 -13	-5 -13	-6 -13	-7 -13	-8 -13	-9 -13	-10 -13	.812
	-2 -14	-3 -14	-4 -14	-5 -14	-6 -14	-7 -14	-8 -14	-9 -14	-10 -14	.875
	-2 -15	-3 -15	-4 -15	-5 -15	-6 -15	-7 -15	-8 -15	-9 -15	-10 -15	.937
	-2 -16	-3 -16	-4 -16	-5 -16	-6 -16	-7 -16	-8 -16	-9 -16	-10 -16	1.000
	-2 -17	-3 -17	-4 -17	-5 -17	-6 -17	-7 -17	-8 -17	-9 -17	-10 -17	1.062
	-2 -18	-3 -18	-4 -18	-5 -18	-6 -18	-7 -18	-8 -18	-9 -18	-10 -18	1.125
	-2 -19	-3 -19	-4 -19	-5 -19	-6 -19	-7 -19	-8 -19	-9 -19	-10 -19	1.187
	-2 -20	-3 -20	-4 -20	-5 -20	-6 -20	-7 -20	-8 -20	-9 -20	-10 -20	1.250
	-2 -21	-3 -21	-4 -21	-5 -21	-6 -21	-7 -21	-8 -21	-9 -21	-10 -21	1.312
	-2 -22	-3 -22	-4 -22	-5 -22	-6 -22	-7 -22	-8 -22	-9 -22	-10 -22	1.375
	-2 -23	-3 -23	-4 -23	-5 -23	-6 -23	-7 -23	-8 -23	-9 -23	-10 -23	1.437
	-2 -24	-3 -24	-4 -24	-5 -24	-6 -24	-7 -24	-8 -24	-9 -24	-10 -24	1.500
	-2 -25	-3 -25	-4 -25	-5 -25	-6 -25	-7 -25	-8 -25	-9 -25	-10 -25	1.562
	-2 -26	-3 -26	-4 -26	-5 -26	-6 -26	-7 -26	-8 -26	-9 -26	-10 -26	1.625
-2 -27	-3 -27	-4 -27	-5 -27	-6 -27	-7 -27	-8 -27	-9 -27	-10 -27	1.687	
-2 -28	-3 -28	-4 -28	-5 -28	-6 -28	-7 -28	-8 -28	-9 -28	-10 -28	1.750	

TABLE 5

	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
.250-28 SIZE FIRST DASH NO.-4	-2 -10	-3 -10	-4 -10	-5 -10	-6 -10	-7 -10	-8 -10	-9 -10	-10 -10	.625
	-2 -11	-3 -11	-4 -11	-5 -11	-6 -11	-7 -11	-8 -11	-9 -11	-10 -11	.687
	-2 -12	-3 -12	-4 -12	-5 -12	-6 -12	-7 -12	-8 -12	-9 -12	-10 -12	.750
	-2 -13	-3 -13	-4 -13	-5 -13	-6 -13	-7 -13	-8 -13	-9 -13	-10 -13	.812
	-2 -14	-3 -14	-4 -14	-5 -14	-6 -14	-7 -14	-8 -14	-9 -14	-10 -14	.875
	-2 -15	-3 -15	-4 -15	-5 -15	-6 -15	-7 -15	-8 -15	-9 -15	-10 -15	.937
	-2 -16	-3 -16	-4 -16	-5 -16	-6 -16	-7 -16	-8 -16	-9 -16	-10 -16	1.000
	-2 -17	-3 -17	-4 -17	-5 -17	-6 -17	-7 -17	-8 -17	-9 -17	-10 -17	1.062
	-2 -18	-3 -18	-4 -18	-5 -18	-6 -18	-7 -18	-8 -18	-9 -18	-10 -18	1.125
	-2 -19	-3 -19	-4 -19	-5 -19	-6 -19	-7 -19	-8 -19	-9 -19	-10 -19	1.187
	-2 -20	-3 -20	-4 -20	-5 -20	-6 -20	-7 -20	-8 -20	-9 -20	-10 -20	1.250
	-2 -21	-3 -21	-4 -21	-5 -21	-6 -21	-7 -21	-8 -21	-9 -21	-10 -21	1.312
	-2 -22	-3 -22	-4 -22	-5 -22	-6 -22	-7 -22	-8 -22	-9 -22	-10 -22	1.375
	-2 -23	-3 -23	-4 -23	-5 -23	-6 -23	-7 -23	-8 -23	-9 -23	-10 -23	1.437
	-2 -24	-3 -24	-4 -24	-5 -24	-6 -24	-7 -24	-8 -24	-9 -24	-10 -24	1.500
	-2 -25	-3 -25	-4 -25	-5 -25	-6 -25	-7 -25	-8 -25	-9 -25	-10 -25	1.562
	-2 -26	-3 -26	-4 -26	-5 -26	-6 -26	-7 -26	-8 -26	-9 -26	-10 -26	1.625
	-2 -27	-3 -27	-4 -27	-5 -27	-6 -27	-7 -27	-8 -27	-9 -27	-10 -27	1.687
-2 -28	-3 -28	-4 -28	-5 -28	-6 -28	-7 -28	-8 -28	-9 -28	-10 -28	1.750	

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

S13542 PROJECT NUMBER: 94-093

SCANNED

APPROVED DATE	 AEROSPACE FASTENER DIVISION ENGINEERING CENTER 3010 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE 92215		
2 MAR 94		TRIDAIR PRODUCT		
REV. LETTER AND DATE		SCREW, CAPTIVE, HEX HEAD, CRES	CA22014-()-()-()	
2 MAR 94				SHEET 3 OF 4
ECN NUMBER				
ECN 05000				

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TABLE 6

	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
.3125-24 SIZE FIRST DASH NO.-5	-2 -10	-3 -10	-4 -10	-5 -10	-6 -10	-7 -10	-8 -10	-9 -10	-10 -10	.625
	-2 -11	-3 -11	-4 -11	-5 -11	-6 -11	-7 -11	-8 -11	-9 -11	-10 -11	.687
	-2 -12	-3 -12	-4 -12	-5 -12	-6 -12	-7 -12	-8 -12	-9 -12	-10 -12	.750
	-2 -13	-3 -13	-4 -13	-5 -13	-6 -13	-7 -13	-8 -13	-9 -13	-10 -13	.812
	-2 -14	-3 -14	-4 -14	-5 -14	-6 -14	-7 -14	-8 -14	-9 -14	-10 -14	.875
	-2 -15	-3 -15	-4 -15	-5 -15	-6 -15	-7 -15	-8 -15	-9 -15	-10 -15	.937
	-2 -16	-3 -16	-4 -16	-5 -16	-6 -16	-7 -16	-8 -16	-9 -16	-10 -16	1.000
	-2 -17	-3 -17	-4 -17	-5 -17	-6 -17	-7 -17	-8 -17	-9 -17	-10 -17	1.062
	-2 -18	-3 -18	-4 -18	-5 -18	-6 -18	-7 -18	-8 -18	-9 -18	-10 -18	1.125
	-2 -19	-3 -19	-4 -19	-5 -19	-6 -19	-7 -19	-8 -19	-9 -19	-10 -19	1.187
	-2 -20	-3 -20	-4 -20	-5 -20	-6 -20	-7 -20	-8 -20	-9 -20	-10 -20	1.250
	-2 -21	-3 -21	-4 -21	-5 -21	-6 -21	-7 -21	-8 -21	-9 -21	-10 -21	1.312
	-2 -22	-3 -22	-4 -22	-5 -22	-6 -22	-7 -22	-8 -22	-9 -22	-10 -22	1.375
	-2 -23	-3 -23	-4 -23	-5 -23	-6 -23	-7 -23	-8 -23	-9 -23	-10 -23	1.437
	-2 -24	-3 -24	-4 -24	-5 -24	-6 -24	-7 -24	-8 -24	-9 -24	-10 -24	1.500
	-2 -25	-3 -25	-4 -25	-5 -25	-6 -25	-7 -25	-8 -25	-9 -25	-10 -25	1.562
-2 -26	-3 -26	-4 -26	-5 -26	-6 -26	-7 -26	-8 -26	-9 -26	-10 -26	1.625	
-2 -27	-3 -27	-4 -27	-5 -27	-6 -27	-7 -27	-8 -27	-9 -27	-10 -27	1.687	
-2 -28	-3 -28	-4 -28	-5 -28	-6 -28	-7 -28	-8 -28	-9 -28	-10 -28	1.750	

TABLE 7

	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
.375-24 SIZE FIRST DASH NO.-6	-2 -10	-3 -10	-4 -10	-5 -10	-6 -10	-7 -10	-8 -10	-9 -10	-10 -10	.625
	-2 -11	-3 -11	-4 -11	-5 -11	-6 -11	-7 -11	-8 -11	-9 -11	-10 -11	.687
	-2 -12	-3 -12	-4 -12	-5 -12	-6 -12	-7 -12	-8 -12	-9 -12	-10 -12	.750
	-2 -13	-3 -13	-4 -13	-5 -13	-6 -13	-7 -13	-8 -13	-9 -13	-10 -13	.812
	-2 -14	-3 -14	-4 -14	-5 -14	-6 -14	-7 -14	-8 -14	-9 -14	-10 -14	.875
	-2 -15	-3 -15	-4 -15	-5 -15	-6 -15	-7 -15	-8 -15	-9 -15	-10 -15	.937
	-2 -16	-3 -16	-4 -16	-5 -16	-6 -16	-7 -16	-8 -16	-9 -16	-10 -16	1.000
	-2 -17	-3 -17	-4 -17	-5 -17	-6 -17	-7 -17	-8 -17	-9 -17	-10 -17	1.062
	-2 -18	-3 -18	-4 -18	-5 -18	-6 -18	-7 -18	-8 -18	-9 -18	-10 -18	1.125
	-2 -19	-3 -19	-4 -19	-5 -19	-6 -19	-7 -19	-8 -19	-9 -19	-10 -19	1.187
	-2 -20	-3 -20	-4 -20	-5 -20	-6 -20	-7 -20	-8 -20	-9 -20	-10 -20	1.250
	-2 -21	-3 -21	-4 -21	-5 -21	-6 -21	-7 -21	-8 -21	-9 -21	-10 -21	1.312
	-2 -22	-3 -22	-4 -22	-5 -22	-6 -22	-7 -22	-8 -22	-9 -22	-10 -22	1.375
	-2 -23	-3 -23	-4 -23	-5 -23	-6 -23	-7 -23	-8 -23	-9 -23	-10 -23	1.437
	-2 -24	-3 -24	-4 -24	-5 -24	-6 -24	-7 -24	-8 -24	-9 -24	-10 -24	1.500
	-2 -25	-3 -25	-4 -25	-5 -25	-6 -25	-7 -25	-8 -25	-9 -25	-10 -25	1.562
-2 -26	-3 -26	-4 -26	-5 -26	-6 -26	-7 -26	-8 -26	-9 -26	-10 -26	1.625	
-2 -27	-3 -27	-4 -27	-5 -27	-6 -27	-7 -27	-8 -27	-9 -27	-10 -27	1.687	
-2 -28	-3 -28	-4 -28	-5 -28	-6 -28	-7 -28	-8 -28	-9 -28	-10 -28	1.750	

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
N/A1	10/21/10	9430j

S43542 PROJECT NUMBER: 94-093

SCANNED

APPROVED DATE 2 MAR 94	 AEROSPACE FASTENER DIVISION ENGINEERING CENTER 3010 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE 92215 TRIDAIR PRODUCT
REV. LETTER AND DATE 2 MAR 94		SCREW, CAPTIVE, HEX HEAD, CRES
ECN NUMBER EON 35008		