

Voi-Shan • Tridair • Screwcorp

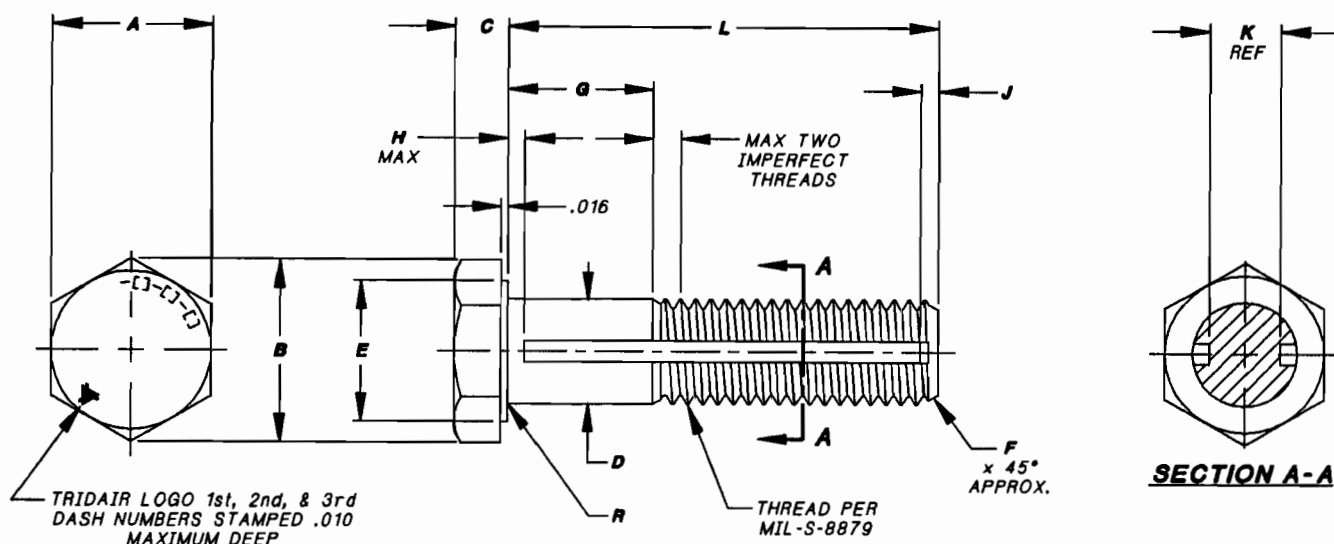


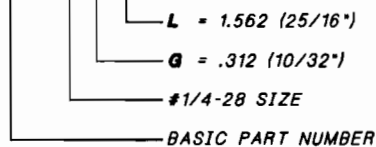
TABLE 1

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	.1380-32UNJC-3A	.251 .243	.277	.093 .080	.1375 .1365	.210	.030	.050	.040	.070	.010 .005	920 LBS	620 LBS
-08	.1640-32UNJC-3A	.251 .243	.277	.110 .096	.1635 .1625	.210	.030	.050	.040	.090	.020 .010	1,450 LBS	980 LBS
-10	.1900-32UNJF-3A	.314 .305	.348	.120 .105	.1895 .1885	.272	.030	.050	.040	.110	.020 .010	2,120 LBS	1,430 LBS
-4	.2500-28UNJF-3A	.376 .367	.410	.140 .125	.2495 .2485	.335	.035	.050	.040	.165	.020 .010	4,040 LBS	2,740 LBS
-5	.3125-24UNJF-3A	.500 .489	.545	.230 .208	.3120 .3115	.450	.040	.065	.050	.210	.020 .010	6,470 LBS	4,390 LBS
-6	.3750-24UNJF-3A	.562 .551	.614	.295 .270	.3745 .3740	.506	.040	.065	.050	.270	.025 .015	9,950 LBS	6,750 LBS

NOTES:

- MATERIAL: A286 CRES PER AMS5731, AMS5737.
- HEAT TREAT: 140,000 PSI MINIMUM TENSILE PER AMS5737.
- FINISH:
 - STANDARD - PASSIVATED PER QQ-P-35.
 - OPTIONAL - BLACK OXIDE COATING PER MIL-C-13924 DESIGNATED BY LETTER "B" AFTER BASIC PART NUMBER (SEE EXAMPLE, NOTE 7).
- SCREW TO BE USED WITH CA2210-() IR RETAINING RING TO CAPTIVATE TO PANEL.
- PANEL PREPARATION: REFER TO CAL-STD-0260 DRAWING.
- INSTALLATION: REFER TO CA2210T-() DRAWING.
- PART NUMBER EXAMPLES:

CA22024-4-10-25



CA22024B-4-10-25

OPTIONAL BLACK OXIDE FINISH

INTERIM DOCUMENT REVISION	Rev.	DAF #
	Date	94301
	10/21/00	
	N/A	

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

S43698 PROJECT NUMBER: 95-062

APPROVED DATE 16 NOV 94	Fairchild AEROSPACE FASTENER DIVISION ENGINEERING CENTER 3010 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE 92215 TRIDAIR PRODUCT
REV. LETTER AND DATE 10 NOV 94		SCREW, CAPTIVE, HEX HEAD, CRES, 140 KSI
ECN NUMBER ECN 36107		SHEET 1 OF 4

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TABLE 2

	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
.138-32 SIZE FIRST DASH NO.-06	-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 LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
.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	11/21/10
DAF #	94301

S4389A PROJECT NUMBER: 95-062

APPROVED DATE 16 NOV 94	 AEROSPACE FASTENER DIVISION ENGINEERING CENTER 3010 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE 92215 TRIDAIR PRODUCT
REV. LETTER AND DATE 10 NOV 94		SCREW, CAPTIVE, HEX HEAD, CRES, 140 KSI
ECN NUMBER EON 98187		

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TABLE 4

	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
.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 LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
.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		
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543698 PROJECT NUMBER: 95-062

APPROVED DATE 16 NOV 94	 Fairchild AEROSPACE FASTENER DIVISION ENGINEERING CENTER 3010 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE 92215 TRIDAIR PRODUCT
REV. LETTER AND DATE 16 NOV 94		SCREW, CAPTIVE, HEX HEAD, CRES, 140 KSI
ECN NUMBER EON 00167		SHEET 3 OF 4

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TABLE 6

.3125-24 SIZE FIRST DASH NO.-5	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
	-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

.375-24 SIZE FIRST DASH NO.-6	G GRIP									L
	.062	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
	-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/A	10/24/10	94 361

64369A PROJECT NUMBER: 95-062

APPROVED DATE 16 NOV 94	 AEROSPACE FASTENER DIVISION ENGINEERING CENTER 3010 WEST LOMITA BOULEVARD TORRANCE, CA 90505	CAGE CODE 92215 TRIDAIR PRODUCT
REV. LETTER AND DATE 16 NOV 94		SCREW, CAPTIVE, HEX HEAD, CRES, 140 KSI
ECN NUMBER ECN 30187		