

Camloc . Delron . Deutsch . Huck . K-Fast . Kaynar . Microdot . RAM . Rosan . Screwcorp . Tridair . Voi - Shan

MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT IS ABSOLUTELY PROHIBITED

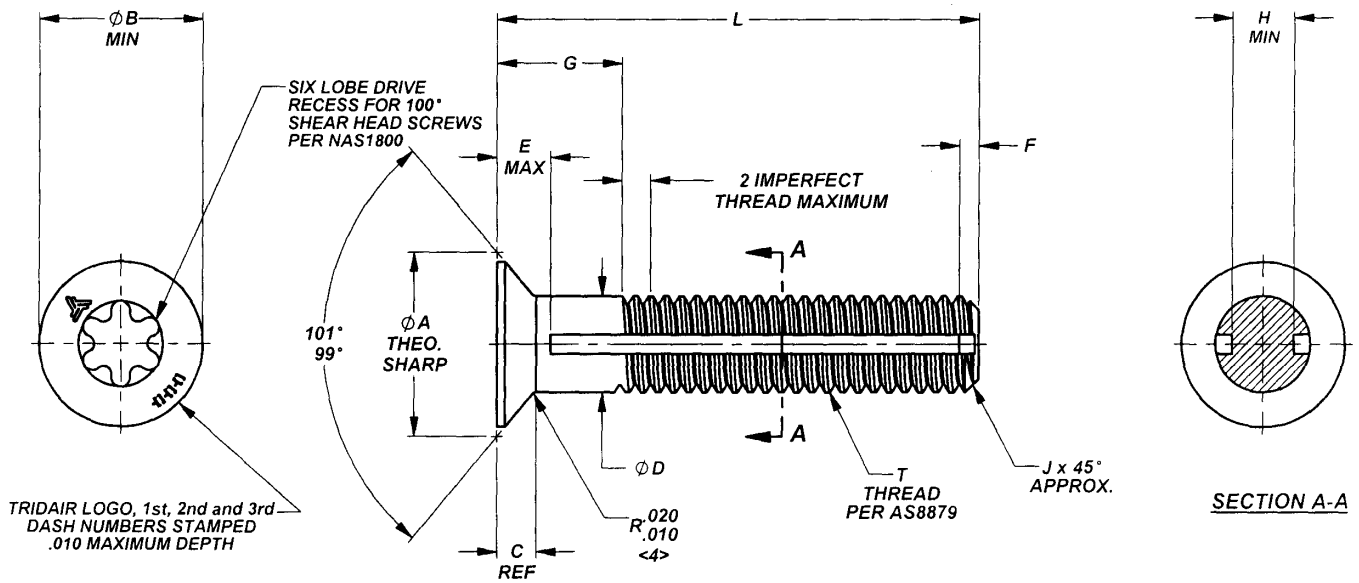


TABLE 1

FIRST DASH SIZE	T THREAD PER AS8879	ΦA THEO. SHARP	ΦB MIN	C REF	ΦD	E MAX	F	J	H MIN	ULTIMATE TENSILE STRENGTH MINIMUM (CALCULATED)	ULTIMATE SINGLE SHEAR STRENGTH MINIMUM ACROSS THRU THREAD (A-A) (CALCULATED)	ULTIMATE SINGLE SHEAR STRENGTH MINIMUM ACROSS THRU SHANK (B-B) (CALCULATED)
-06	.1380-32 UNJC-3A	.279 .267	.231	.057	.1375 .1365	.100	.040	.030	.067	1,162 LBS.	840 LBS.	1,101 LBS.
-08	.1640-32 UNJC-3A	.332 .319	.270	.068	.1635 .1625	.100	.040	.030	.086	1,836 LBS.	1,101 LBS.	1,597 LBS.
-10	.1900-32 UNJF-3A	.361 .346	.310	.070	.1895 .1885	.100	.040	.030	.108	2,692 LBS.	1,615 LBS.	2,190 LBS.
-4	.2500-28 UNJF-3A	.480 .472	.427	.095	.2495 .2485	.140	.040	.035	.162	5,140 LBS.	3,084 LBS.	4,039 LBS.
-5	.3125-24 UNJF-3A	.568 .560	.513	.106	.3120 .3110	.165	.050	.040	.205	8,325 LBS.	4,948 LBS.	6,380 LBS.
-6	.3750-24 UNJF-3A	.698 .690	.652	.134	.3745 .3735	.195	.050	.040	.268	12,700 LBS.	8,200 LBS.	9,372 LBS.

NOTES; UNLESS OTHERWISE SPECIFIED:

1. MATERIAL:
  - 1.1 A286 CRES PER AMS5731 OR AMS5737.
2. HEAT TREAT:
  - 2.1 180 KSI MINIMUM PER AMS-H-6875, AMS2759.
3. FINISH:
  - 3.1 STANDARD: PASSIVATED PER AMS2700.
  - 3.2 OPTIONAL: DRY FILM LUBRICANT PER AS5272, TYPE 1.
- <4> FILLET ROLL RADIUS PER NAS4003.
5. SCREW TO BE USED WITH CA2210-( )R RETAINING RING TO CAPTIVATE TO PANEL.
6. PANEL PREPARATION REFER TO CAL-STD-0260 DRAWING.
7. INSTALLATION REFER TO CA2210T-( ) DRAWING.
8. LONGER GRIPS (IN 1/32" INCREMENTS) AND LONGER LENGTHS (IN 1/16" INCREMENTS) THAN ARE SHOWN IN TABLES 2 THRU 7 MAY BE ORDERED.
9. PART CALLOUT EXAMPLES:
  - 9.1 CA22061 - 4 - 10 - 25
    - "L" = 1.562 (25/16")
    - "G" = .312 (10/32")
    - .2500-28 THREAD SIZE
    - BASIC PART NUMBER
  - 9.2 CA22001D 4 - 10 - 25
    - OPTIONAL DRY FILM LUBRICANT

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF#
C1	10/8/2018	117431

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S44097

APPROVED DATE 30 SEP 11  REV. LETTER AND DATE C 29 SEP 11  DAF NUMBER <del>DAF 98500</del>	CURRENT DESIGN ACTIVITY:  <b>ARCONIC</b> Arconic Fastening Systems <b>TRIDAIR PRODUCTS</b> 3000 W. LOMITA BLVD. TORRANCE, CA 90505	TITLE: <b>SCREW, CAPTIVE, 100° FLUSH HEAD, 6 LOBE RECESS A286 CRES, 160 KSI</b>  UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & ASME Y14.5M TOLERANCES: ANGLES = ±2° DECIMALS .XX = ±.02 .XXX = ±.010
		CURRENT DESIGN ACTIVITY: CAGE CODE: 29372 SALES DRAWING NO.  <b>CA22061</b> SHEET 1 OF 4

MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT IS ABSOLUTELY PROHIBITED

**TABLE 2**


	G GRIP							L LENGTH
	.125	.156	.187	.218	.250	.281	.312	
.1380-32 SIZE FIRST DASH NUMBERS -06	-4-7	-5-7	-6-7	-7-7	-8-7	-----	-----	.437
	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-----	.500
	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

**TABLE 3**

	G GRIP							L LENGTH
	.125	.156	.187	.218	.250	.281	.312	
.1640-32 SIZE FIRST DASH NUMBERS -08	-4-8	-5-8	-6-8	-7-8	-8-8	-----	-----	.500
	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-----	.562
	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

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INTERIM DOCUMENT REVISION		
Rev.	Date	DAF#
C1	10/8/2018	117431

APPROVED DATE <b>30 SEP 11</b>	CURRENT DESIGN ACTIVITY:  <b>ARCONIC</b> Arconic Fastening Systems	TITLE: <b>SCREW, CAPTIVE,                  100° FLUSH HEAD                  6 LOBE RECESS                  A286 CRES, 160 KSI</b>	CURRENT DESIGN ACTIVITY: <b>CAGE CODE: 29372</b>
REV. LETTER AND DATE <b>G 29 SEP 11</b>	<b>TRIDAIR PRODUCTS</b> 3000 W. LOMITA BLVD. TORRANCE, CA 90505	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & ASME Y14.5M TOLERANCES:	<b>SALES DRAWING NO.</b>  <b>CA22061</b>
DAF NUMBER <b>DAF 90509</b>		ANGLES = ±.2° DECIMALS .XX = ±.02 .XXX = ±.010	SHEET 2 OF 4

MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT IS ABSOLUTELY PROHIBITED

**TABLE 4**

	G GRIP							L LENGTH
	.125	.156	.187	.218	.250	.281	.312	
.1900-32 SIZE FIRST DASH NUMBERS -10	-4-7	-5-7	-6-7	-7-7	-8-7	-----	-----	.437
	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-----	.500
	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

**TABLE 5**

	G GRIP						L LENGTH
	.156	.187	.218	.250	.281	.312	
.2500-28 SIZE FIRST DASH NUMBERS -4	-5-7	-6-7	-7-7	-8-7	-----	-----	.437
	-5-8	-6-8	-7-8	-8-8	-9-8	-----	.500
	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

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10/8/2018	

APPROVED DATE  
30 SEP 11

REV. LETTER AND DATE  
C 29 SEP 11

DAF NUMBER  
~~DAF 98509~~

CURRENT DESIGN ACTIVITY:



**ARCONIC**  
Arconic Fastening Systems  
**TRIDAIR PRODUCTS**  
3000 W. LOMITA BLVD.  
TORRANCE, CA 90505

TITLE:  
**SCREW, CAPTIVE,  
100° FLUSH HEAD  
6 LOBE RECESS  
A286 CRES, 160 KSI**

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES &  
ASME Y14.5M TOLERANCES:

ANGLES = ±2°  
DECIMALS .XX = ±.02  
.XXX = ±.010

CURRENT DESIGN ACTIVITY:  
CAGE CODE: 29372  
SALES DRAWING NO.

**CA22061**

SHEET 3 OF 4

MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT IS ABSOLUTELY PROHIBITED  
  
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**TABLE 6**

	G GRIP					L LENGTH
	.187	.218	.250	.281	.312	
.3125-24 SIZE FIRST DASH NUMBERS-5	-6-7	-7-7	-----	-----	-----	.437
	-6-8	-7-8	-8-8	-9-8	-----	.500
	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

**TABLE 7**

	G GRIP				L LENGTH
	.218	.250	.281	.312	
.3750-24 SIZE FIRST DASH NUMBERS-6	-7-7	-----	-----	-----	.437
	-7-8	-8-8	-9-8	-----	.500
	-7-9	-8-9	-9-9	-10-9	.562
	-7-10	-8-10	-9-10	-10-10	.625
	-7-11	-8-11	-9-11	-10-11	.687
	-7-12	-8-12	-9-12	-10-12	.750
	-7-13	-8-13	-9-13	-10-13	.812
	-7-14	-8-14	-9-14	-10-14	.875
	-7-15	-8-15	-9-15	-10-15	.937
	-7-16	-8-16	-9-16	-10-16	1.000
	-7-17	-8-17	-9-17	-10-17	1.062
	-7-18	-8-18	-9-18	-10-18	1.125
	-7-19	-8-19	-9-19	-10-19	1.187
	-7-20	-8-20	-9-20	-10-20	1.250
	-7-21	-8-21	-9-21	-10-21	1.312
	-7-22	-8-22	-9-22	-10-22	1.375
	-7-23	-8-23	-9-23	-10-23	1.437
	-7-24	-8-24	-9-24	-10-24	1.500
	-7-25	-8-25	-9-25	-10-25	1.562
	-7-26	-8-26	-9-26	-10-26	1.625
	-7-27	-8-27	-9-27	-10-27	1.687
	-7-28	-8-28	-9-28	-10-28	1.750

INTERIM DOCUMENT REVISION		
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REV. LETTER AND DATE <b>C 29 SEP 11</b>	<b>TRIDAIR PRODUCTS</b> 3000 W. LOMITA BLVD. TORRANCE, CA 90505	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & ASME Y14.5M TOLERANCES:	<b>CA22061</b> SHEET 4 OF 4

S44097

PROJECT NUMBER: 97-118 and 97-118A