

TABLE I

PART NUMBER	Ø NOM		Ø A THEO		Ø A' MIN		C MAX		Ø D		F WRENCH FLATS		(H)		Ø J MAX		(K)		R. R		S MAX	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT5131-05-(-)	.179	4.55	.278	7.06	.259	6.58	.293	7.44	.180 .178	4.57 4.52	.086 .081	2.18 2.06	.043	1.09	.244	6.20	.272	6.91	.030 .010	0.76 0.25	.010	0.25
PLT5131-06-(-)	.214	5.44	.333	8.46	.310	7.87	.328	8.33	.215 .213	5.46 5.41	.104 .099	2.64 2.51	.055	1.40	.300	7.62	.312	7.92	.030 .015	0.76 0.38	.012	0.31
PLT5131-08-(-)	.275	6.99	.458	11.63	.430	10.92	.379	9.63	.276 .274	7.01 6.96	.135 .130	3.43 3.30	.082	2.08	.384	9.75	.351	8.92	.030 .015	0.76 0.38	.015	0.38

TABLE I (CONTINUED)

PART NUMBER	V (GAGE PROTRUSION)		Ø W (GAGE)		BREAK-OFF LIMITS		MINIMUM AVAILABLE GRIP LENGTH (TABLE II)	HOLE SIZE		PREVAILING TORQUE MIN		DOUBLE SHEAR STRENGTH MIN		TENSILE STRENGTH MIN	
	INCH	mm	INCH	mm	INCH	mm		INCH	mm	IN-LBS	Nm	LBS	N	LBS	N
PLT5131-05-(-)	.0257 .0235	0.653 0.597	.2195 .2193	5.575 5.570	+.088 +.000	+2.24 +0.00	-.02	.183 .180	4.65 4.57	0.75	0.085	1920	8540	750	3336
PLT5131-06-(-)	.0289 .0265	0.734 0.673	.2671 .2669	6.784 6.779	+.098 +.010	+2.49 +0.25	-.02	.218 .215	5.54 5.46	1.00	0.113	3100	13780	950	4230
PLT5131-08-(-)	.0550 .0514	1.397 1.306	.3314 .3312	8.418 8.413	+.098 +.010	+2.49 +0.25	-.02	.279 .276	7.09 7.01	1.50	0.170	5300	23570	1500	6670

MONOGRAM AEROSPACE FASTENERS
a TriMas company
3423 SOUTH GARFIELD AVENUE
COMMERCE, CALIFORNIA 90040
(323) 722-4760 FAX (323) 727-1029

TITLE:
**VISU-LOK® II, FASTENER, BLIND,
100° FLUSH SHEAR HEAD,
1/64" OVERSIZE DIAMETER,
ALUMINUM NUT WITH ALLOY STEEL SCREW**

DRAWING NO:
PLT5131(-)(-)(-)

DRAWN BY: **A PEREZ** DRAWN DATE: **01/07/2014**

APPROVED BY: *[Signature]* CHECKED DATE: **12/10/17**

MONOGRAM CAGE CODE: **17-0365** REV: **C**

ECN DATE: **12/15/17** SHEET 1 OF 2

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Alcoa
CAGE CODE: **5M902**

MONOGRAM
CAGE CODE: **98524**



APPLICABLE SPECIFICATIONS:
 PROCUREMENT SPECIFICATION: PLT5000, CLASS 3, TYPE I
 PART NUMBER ASSIGNMENT: PLT5001
 INSTALLATION AND REMOVAL: PLT5002
 SPECIAL LUBE AND FINISH: PLT5003



MATERIAL:

NUT: ALUMINUM ALLOY 7075-T6 OR -T651 PER AMS-QQ-A-225/9.
 SCREW: ALLOY STEEL 4130 PER AMS-S-6758, ALLOY STEEL 4140 PER AMS6382 OR AMS6349 OR ALLOY STEEL 8740 PER AMS6322.
 SLEEVE: CRES 303 PER AMS5639 OR CRES 304 PER AMS5641.
 DRIVE NUT: MILD STEEL.

HEAT TREAT:

NUT: NONE.
 SCREW: HEAT TREAT TO 39-43 HRC PER AMS2759.
 SLEEVE: AS REQUIRED FOR PERFORMANCE.
 DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

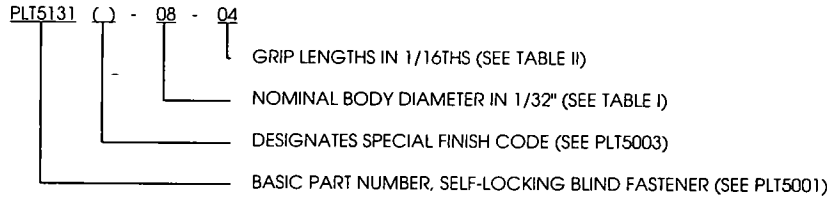
FINISH:

NUT: ANODIZE PER MIL-A-8625, TYPE II (GREEN)
 SCREW: CADMIUM PLATED PER AMS-QQ-P-416 TYPE II, CLASS 2. CADMIUM PLATE PER NAS672 IS PERMISSIBLE PROVIDED IT IS FOLLOWED BY A DICHROMATE POST TREATMENT PER AMS-QQ-P-416.
 SLEEVE: PASSIVATE PER AMS2700. CADMIUM PLATED PER AMS-QQ-P-416, TYPE I, CLASS 3.
 DRIVE NUT: CORROSION RESISTANT COATING, COLOR BLUE.

LUBRICATION:

NO CODE () : SOLID DRY FILM LUBRICANT PER THE CHEMICAL REQUIREMENTS OF AS5272 TYPE I OR EVERLUBE 812 PER MIL-PRF-81329, WWM CARBO-WAX, PARAFFIN WAX AND/OR CETYL ALCOHOL PER AS87132 MAY BE APPLIED TO ANY OR ALL COMPONENTS AS REQUIRED FOR PERFORMANCE. (SEE PLT5003 FOR SPECIAL LUBRICANTS AND FINISHES).

EXAMPLE PART NUMBER:



2ND DASH NO.	TABLE II			
	GRIP RANGE			
	GRIP MIN		GRIP MAX	
2	INCH	mm	INCH	mm
-02	.094	2.39	.156	3.96
-03	.157	3.99	.219	5.56
-04	.220	5.59	.281	7.14
-05	.282	7.16	.344	8.74
-06	.345	8.76	.406	10.31
-07	.407	10.34	.469	11.91
-08	.470	11.94	.531	13.49
-09	.532	13.51	.594	15.09
-10	.595	15.11	.656	16.66
-11	.657	16.69	.719	18.26
-12	.720	18.29	.781	19.84
-13	.782	19.86	.844	21.44
-14	.845	21.46	.906	23.01
-15	.907	23.04	.969	24.61
-16	.970	24.64	1.031	26.19
-17	1.032	26.21	1.094	27.79
-18	1.095	27.81	1.156	29.36
-19	1.157	29.39	1.219	30.96
-20	1.220	30.99	1.281	32.54
-21	1.282	32.56	1.344	34.14
-22	1.345	34.16	1.406	35.71
-23	1.407	35.74	1.469	37.31
-24	1.470	37.34	1.531	38.89
-25	1.532	38.91	1.594	40.49
-26	1.595	40.51	1.656	42.06
-27	1.657	42.09	1.719	43.66
-28	1.720	43.69	1.781	45.24
-29	1.782	45.26	1.844	46.84
-30	1.845	46.86	1.906	48.41
-31	1.907	48.44	1.969	50.01
-32	1.970	50.04	2.031	51.59

GENERAL NOTES:

1. LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT.
2. HALF GRIP SIZES MAY BE ORDERED BY ADDING ".5" TO THE GRIP DASH NUMBER. EXAMPLE: PLT5131-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = .281" (7.14 mm) AND A GRIP RANGE OF .250" (6.35 mm) THRU .312" (7.92 mm).
3. DISTORTION OF "ØD" PERMISSIBLE IN LOCKING AREA. DISTORTION OF "ØD" SHALL NOT PREVENT INSERTION OF THE FASTENER INTO A RING GAUGE OF LENGTH EQUAL TO ONE DIAMETER AND DIAMETER EQUAL TO MINIMUM RECOMMENDED HOLE SIZE. FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS (22.23 N).
4. PLT5131-05-() GRIP LENGTH AVAILABILITY LIMITED TO -02 THRU -16.
5. THESE FASTENERS SHALL NOT BE SUBJECT TO SEATING TORQUE VALUE REQUIREMENTS SINCE ABSENCE OF ANY RECESS OR HEX ON TOP OF THE NUT MAKES IT UNABLE TO PERFORM THE TORQUE TEST AFTER INSTALLATION.

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