



PART NUMBER	Ø NOM		Ø A THEO		Ø A' MIN		C MAX		Ø D		F WRENCH FLATS		(H)		Ø J MAX		K MAX		R RAD.		S MAX	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT5472-06-(-)	.2290	5,817	.343 .338	8,71 8,59	.311	7,90	.364	9,25	.2300 .2280	5,84 5,79	.104 .099	2,64 2,51	.047	1,19	.315	8,00	.333	8,46	.030 .015	0,76 0,38	.015	0,38
PLT5472-08-(-)	.2900	7,366	.437 .432	11,10 10,97	.405	10,29	.398	10,11	.2910 .2890	7,39 7,34	.135 .130	3,43 3,30	.061	1,55	.401	10,19	.366	9,30	.030 .015	0,76 0,38	.015	0,38
PLT5472-10-(-)	.3415	8,674	.505 .500	12,83 12,70	.473	12,01	.482	12,24	.3425 .3405	8,70 8,65	.152 .147	3,86 3,73	.068	1,73	.442	11,23	.447	11,35	.040 .020	1,02 0,51	.015	0,38
PLT5472-12-(-)	.4045	10,274	.592 .587	15,04 14,91	.560	14,22	.567	14,40	.4055 .4035	10,30 10,25	.185 .180	4,70 4,57	.078	1,98	.531	13,49	.527	13,39	.040 .020	1,02 0,51	.015	0,38

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
PLT5472-06-(-)	.0324 .0293	0,823 0,744	.2671 .2669	6,784 6,779	+0,088 -0,000	+2,24 -0,00	-02	.233 .231	5,92 5,86	1.5	0,170	6200	27600	1400	6200
PLT5472-08-(-)	.0273 .0244	0,693 0,620	.3731 .3729	9,477 9,472	+0,098 -0,000	+2,49 -0,00	-03	.294 .292	7,47 7,41	2.5	0,282	9900	44000	2100	9300
PLT5472-10-(-)	.0312 .0281	0,792 0,714	.4320 .4318	10,973 10,967	+1,103 -0,000	+2,62 -0,00	-03	.346 .343	8,79 8,71	3.5	0,400	13700	60900	3600	16000
PLT5472-12-(-)	.0456 .0420	1,158 1,067	.4854 .4852	12,329 12,324	+1,103 -0,000	+2,62 -0,00	-04	.409 .406	10,39 10,32	4.0	0,452	19300	85800	5600	24900



**APPLICABLE SPECIFICATIONS:**

PROCUREMENT SPECIFICATION: PLT5000, CLASS 5, TYPE II  
 PART NUMBER ASSIGNMENT: PLT5001  
 INSTALLATION AND REMOVAL: PLT5002  
 SPECIAL LUBE AND FINISH: PLT5003

**MATERIAL:**

NUT AND SCREW: 6Al-4V TITANIUM ALLOY PER AMS4928 OR AMS4967.  
 SLEEVE: CRES.  
 DRIVE NUT: MILD STEEL.

**HEAT TREAT:**

NUT AND SCREW: HEAT TREAT TO 95 KSI ULTIMATE SHEAR.  
 SLEEVE: AS REQUIRED FOR PERFORMANCE.  
 DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

**FINISH:**

NUT AND SCREW: NONE.  
 SLEEVE: PASSIVATE PER AMS2700.  
 DRIVE NUT: CORROSION RESISTANT COATING, COLOR GRAY.

**LUBRICATION:**

CODE ( - ): SOLID DRY FILM LUBRICANT PER THE CHEMICAL REQUIREMENTS OF AS5272 TYPE I OR EVERLUBE 812 PER MIL-PRF-81329, 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.	GRIP RANGE			
	GRIP MIN		GRIP MAX	
	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: PLT5472-06-4.5 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. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM " ØD".
5. HEAD MARKINGS ON NUT DEPRESSED .010 INCH [0.254 mm] MAXIMUM. POSITION OPTIONAL.
6. DRIVE NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.

3423 SOUTH GARFIELD AVENUE  
 COMMERCE, CALIFORNIA 90040  
 (323) 722-4760 FAX (323) 727-1029

TITLE:  
 VISU-LOK® II, FASTENER, BLIND,  
 100° FLUSH SHEAR HEAD, SELF-LOCKING  
 TITANIUM ALLOY,  
 1/32" O/S TO PLT5470, 1/64" O/S TO PLT5471

DRAWING NO: <b>PLT5472( )-( )-( )</b>	
DRAWN BY: A PEREZ	DRAWN DATE: 12/22/2013
APPROVED BY:	CHECKED DATE:

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<b>Alcoa</b> CAGE CODE: 5M902	<b>MONOGRAM</b> CAGE CODE: 98524	ECN NO: 14-0816 ECN DATE: 11/22/14	REV: K SHEET 2 OF 2
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