

PART NUMBER	NOM DIA.		A THEO DIA.		A' DIA. MIN.		C MAX.		D DIA.		F FLATS		H REF.		J DIA. MAX.		K MAX.		R RAD.	
	INCH	mm	INCH	MM	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT5114-05-(-)	.1640	4,166	.332 .325	8,43 8,25	.296	7,52	.268	6,81	.1645 .1635	4,18 4,15	.086 .081	2,18 2,06	.069	1,75	.244	6,20	.246	6,25	.030 .010	0,76 0,25
PLT5114-06-(-)	.2021	5,134	.385 .378	9,78 9,60	.342	8,69	.303	7,70	.2026 .2016	5,15 5,12	.104 .099	2,64 2,52	.077	1,96	.300	7,62	.281	7,14	.030 .015	0,76 0,38
PLT5114-08-(-)	.2645	6,719	.507 .499	12,88 12,67	.463	11,76	.354	8,99	.2651 .2641	6,73 6,71	.135 .130	3,43 3,30	.102	2,59	.384	9,75	.325	8,25	.030 .015	0,76 0,38
PLT5114-10-(-)	.3115	7,913	.635 .626	16,13 15,90	.577	14,66	.423	10,74	.3120 .3110	7,93 7,90	.152 .147	3,86 3,73	.134	3,40	.427	10,85	.390	9,91	.040 .020	1,02 0,51
PLT5114-12-(-)	.3740	9,500	.762 .752	19,35 19,10	.696	17,68	.510	12,95	.3745 .3735	9,51 9,49	.185 .180	4,70 4,57	.160	4,06	.516	13,11	.470	11,94	.040 .020	1,02 0,51

PART NUMBER	S MAX.		V GAGE DIA.		W GAGE DIA.		BREAK-OFF LIMITS		MINIMUM AVAILABLE GRIP LENGTH	HOLE SIZE		PREVAILING TORQUE MIN.		DOUBLE SHEAR STRENGTH MIN.		TENSILE STRENGTH MIN.	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm		INCH	mm	IN-LB	Nm	LBS.	N	LBS.	N
PLT5114-05-(-)	.012	0,31	.0276 .0238	0,701 0,604	.2671 .2667	6,784 6,774	+0,20 -0,068	+0,51 -1,73	-02	.1680 .1650	4,27 4,19	1,0	0,113	3355	14900	900	4000
PLT5114-06-(-)	.015	0,38	.0299 .0259	0,760 0,658	.3147 .3143	7,993 7,983	+0,15 -0,073	+0,38 -1,85	-02	.2060 .2030	5,23 5,16	1,5	0,170	5240	23300	1400	6230
PLT5114-08-(-)	.015	0,38	.0353 .0307	0,897 0,780	.4245 .4241	10,782 10,772	+0,10 -0,078	+0,25 -1,98	-03	.2685 .2655	6,82 6,74	2,5	0,282	9000	40000	2100	9340
PLT5114-10-(-)	.020	0,51	.0409 .0359	1,039 0,907	.5389 .5385	13,688 13,678	+0,10 -0,083	+0,25 -2,11	-04	.3150 .3120	8,00 7,92	3,5	0,400	12000	53400	3600	16010
PLT5114-12-(-)	.023	0,58	.0466 .0407	1,184 1,033	.6532 .6528	16,591 16,581	+0,10 -0,093	+0,25 -2,36	-04	.3780 .3750	9,60 9,52	4,0	0,452	19500	86700	5600	24910



4 2ND DASH NO.	GRIP RANGE 2			
	GRIP MIN.		GRIP MAX.	
	INCH	mm	INCH	mm
-01	-	-	-	-
-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

4 2ND DASH NO.	GRIP RANGE 2			
	GRIP MIN.		GRIP MAX.	
	INCH	mm	INCH	mm
-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	30,97
-20	1,220	30,98	1,281	32,54
-21	1,282	32,55	1,344	34,14
-22	1,345	34,15	1,406	35,72
-23	1,407	35,73	1,469	37,32
-24	1,470	37,33	1,531	38,89
-25	1,532	38,90	1,594	40,49
-26	1,595	40,50	1,656	42,07
-27	1,657	42,08	1,719	43,67
-28	1,720	43,68	1,781	45,24
-29	1,782	45,25	1,844	46,84
-30	1,845	46,85	1,906	48,42
-31	1,907	48,43	1,969	50,02
-32	1,970	50,03	2,031	51,59



PROCUREMENT SPEC:

PROCUREMENT SPECIFICATION = PLT 5000, CLASS I, TYPE I
 PART NUMBER ASSIGNMENT = PLT 5001
 INSTALLATION AND REMOVAL = PLT 5002
 SPECIAL LUBE AND FINISH = PLT 5003

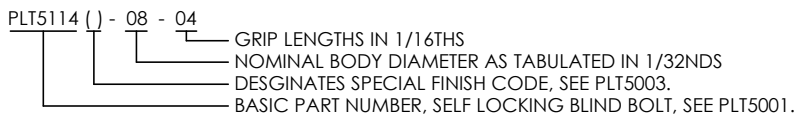
MATERIAL: NUT & SCREW: ALLOY STEEL, 4130 PER AMS-S-6758, 4140 PER AMS6382 OR AMS6349 OR 8740 PER AMS6322.
 SLEEVE: CORROSION RESISTANT STEEL, 303 PER AMS5639 OR 304 PER AMS5641.
 DRIVE NUT: MILD STEEL.

HEAT TREAT: NUT & SCREW: HEAT TREAT PER AMS2759 TO HRC 39-43.
 SLEEVE & DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

FINISH: NUT & SCREW: CADMIUM PLATE 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: PASSIVATED PER AMS2700 AND CADMIUM PLATED PER AMS-QQ-P-416 TYPE I, CLASS 3.
 DRIVE NUT: CORROSION RESISTANT COATING. COLOR GOLD.

LUBRICANT: SOLID DRY FILM LUBE PER THE CHEMICAL REQUIREMENTS OF ASS272, OR EVERLUBE 812 PER MIL-PRF-81329, PARAFFIN WAX OR CETYL ALCOHOL PER AS87132 MAY BE APPLIED TO ANY OR ALL COMPONENTS AS REQUIRED FOR PERFORMANCE. (SEE PLT 5003 FOR SPECIAL LUBRICANTS AND FINISHES).

PART CODE & EXAMPLE:



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 NUMBERS.
 EXAMPLE: PLT5114-06-4.5 HAS A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = 0.281" (7,14mm) AND A GRIP RANGE OF .250" THRU .312" (6,35mm THRU 7,92mm).
- 3 DISTORTION OF "D" DIAMETER 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 NEWTONS).
- 4 GROUND SHANK VISU-LOK II BLIND FASTENERS SHOULD NOT BE USED EXCEPT WITH CONSIDERABLE CAUTION IN APPLICATIONS WHICH EXCEED APPROXIMATELY .0005" INTERFERENCE FIT. GROUND SHANK VISU-LOK II BLIND FASTENERS WILL PERFORM SATISFACTORILY WHEN INSTALLED IN THE TABULATED HOLE SIZES.
- 5 SECOND DASH NUMBER (GRIP RANGE) -17 THROUGH -32 NOT AVAILABLE IN -05 DIAMETER.



TITLE:
 VISU-LOK® II, FASTENER, BLIND
 100° FLUSH TENSION HEAD
 NOMINAL DIAMETER - GROUND SHANK
 ALLOY STEEL

DRAWING NO: PLT5114 () - () - ()	
DRAWN BY: G.MARTINEZ	DRAWN DATE: 08-13-13
APPROVED BY:	CHECKED DATE:

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Alcoa CAGE CODE: 5M902	MONOGRAM CAGE CODE: 98524	ECN NO: 14-0766	REV: F
		ECN DATE: 11/15/14	SHEET 2 OF 2