

PART NUMBER	NOM DIA.	$\Delta 13$ A THEO DIA.	$\Delta 13$ A DIA. MIN.	C MAX.	D DIA.	ΔE DIA. MAX.	F DRIVING FLATS	ΔH REF.	J DIA. MAX.	K MAX.	M GAGE PROT.	R RAD.	S MAX.	W GAGE DIA.	$\Delta 8$ HOLE SIZE	$\Delta 2$ BREAK-OFF LIMITS	$\Delta 2$ PREVAILING TORQUE IN. LBS. MIN	DOUBLE SHEAR STRENGTH LBS. MIN	TENSILE STRENGTH LBS. MIN
PLT1058GS-05(-)	.1635	.2612 .2564	.241	.285	.1645 .1640	.1605	.086 .081	.040	.244	.257	.0265 .0237	.030 .010	.010	.1992 .1990	.168 .165	+.088 -.000	1.0	3150	750
PLT1058GS-06(-)	.1980	.3016 .2966	.270	.320	.1990 .1985	.1950	.104 .099	.047	.300	.288	.0246 .0218	.030 .015	.015	.2440 .2438	.202 .199	+.088 -.000	1.5	4600	1250
PLT1058GS-08(-)	.2590	.3948 .3898	.363	.355	.2600 .2595	.2560	.135 .130	.061	.384	.320	.0271 .0242	.030 .015	.015	.3314 .3312	.263 .260	+.098 -.000	2.5	7900	1900
PLT1058GS-10(-)	.3105	.4739 .4689	.442	.440	.3115 .3010	.3075	.152 .147	.068	.427	.396	.0296 .0266	.040 .020	.015	.4047 .4045	.315 .312	+.103 -.000	3.5	11350	3250
PLT1058GS-12(-)	.3735	.5604 .5554	.529	.525	.3745 .3740	.3705	.185 .180	.078	.516	.473	.0321 .0290	.040 .020	.015	.4854 .4852	.378 .375	+.103 -.000	4.0	16450	5050

SECOND DASH NUMBER	G GRIP	$\Delta 13$ GRIP RANGE		L REF.				
		MIN	MAX	PLT1058GS				
				-05(-)	-06(-)	-08(-)	-10(-)	-12(-)
-	-	-	-	-	-	-	-	-
-02	.156	.094	.156	.733	.853	-	-	-
-03	.219	.157	.219	.795	.916	.944	1.096	1.180
-04	.281	.220	.281	.858	.978	1.006	1.158	1.242
-05	.344	.282	.344	.920	1.041	1.069	1.221	1.304
-06	.406	.345	.406	.983	1.103	1.131	1.283	1.367
-07	.469	.407	.469	1.045	1.166	1.194	1.346	1.429
-08	.531	.470	.531	1.108	1.228	1.256	1.408	1.492
-09	.594	.532	.594	1.170	1.291	1.319	1.471	1.554
-10	.656	.595	.656	1.233	1.353	1.381	1.533	1.617
-11	.719	.657	.719	1.295	1.416	1.444	1.596	1.679
-12	.781	.720	.781	1.358	1.478	1.506	1.658	1.742
-13	.844	.782	.844	1.420	1.541	1.569	1.721	1.804
-14	.906	.845	.906	1.483	1.603	1.631	1.783	1.867
-15	.969	.907	.969	1.545	1.666	1.694	1.846	1.929
-16	1.031	.970	1.031	1.608	1.728	1.756	1.908	1.992

SECOND DASH NUMBER	G GRIP	$\Delta 13$ GRIP RANGE		L REF.				
		MIN	MAX	PLT1058GS				
				-05(-)	-06(-)	-08(-)	-10(-)	-12(-)
-17	1.094	1.032	1.094					
-18	1.156	1.095	1.156	1.791	1.819	1.971	2.054	
-19	1.219	1.157	1.219	1.853	1.881	2.033	2.117	
-20	1.281	1.220	1.281	1.916	1.944	2.096	2.179	
-21	1.344	1.282	1.344	1.978	2.006	2.158	2.242	
-22	1.406	1.345	1.406	2.041	2.069	2.221	2.304	
-23	1.469	1.407	1.469	2.103	2.131	2.283	2.367	
-24	1.531	1.470	1.531	2.166	2.194	2.346	2.429	
-25	1.594	1.532	1.594	2.228	2.256	2.408	2.492	
-26	1.656	1.595	1.656	2.291	2.319	2.471	2.554	
-27	1.719	1.657	1.719	2.353	2.381	2.533	2.617	
-28	1.781	1.720	1.781	2.416	2.444	2.596	2.679	
-29	1.844	1.782	1.844	2.478	2.506	2.658	2.742	
-30	1.906	1.845	1.906	2.541	2.569	2.721	2.804	
-31	1.969	1.907	1.969	2.603	2.631	2.783	2.867	
-32	2.031	1.970	2.031	2.666	2.694	2.846	2.929	
				2.728	2.756	2.908	2.992	

▲ "G" TOLERANCES: FOR -05 & -06 SIZES +.030"/-.010"; FOR -08 & -10 SIZES +.040"/-.010"; FOR -12 SIZES +.050"/-.010".



PROCUREMENT SPEC: ESCBB-9, CLASS 3, EXCEPT AS SPECIFIED HEREIN.

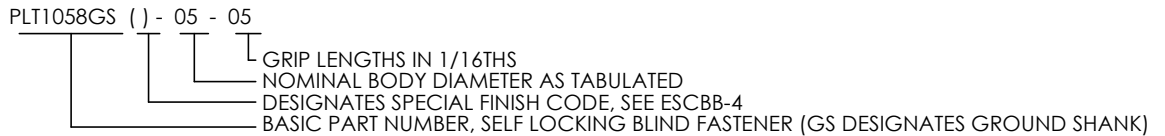
MATERIAL: NUT & SCREW: 6AL-4V TITANIUM PER AMS4928 OR AMS4967.
 SLEEVE: CORROSION RESISTANT STEEL.

HEAT TREAT: NUT & SCREW: HEAT TREAT PER AMS-H-81200 MAX. HYDROGEN 125 PPM.
 SLEEVE: AS REQUIRED FOR PERFORMANCE.

FINISH: \triangle NUT, SCREW: NONE.
 SLEEVE: PASSIVATE PER AMS2700.

LUBRICANT: \triangle LUBRICANTS LISTED BELOW MAY BE APPLIED TO ANY OR ALL COMPONENTS IF REQUIRED FOR PERFORMANCE.
 UNLESS OTHERWISE SPECIFIED BY FINISH CODE. DRY FILM LUBE PER AS5272, TYPE I, OR EVERLUBE 812 PER MIL-PRF-81329, CETYL ALCOHOL PER AS87132 OR PARAFFIN WAX.

PART CODE & EXAMPLE:



GENERAL NOTES:

1. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT EXCEED MAXIMUM "E" DIAMETER.
2. CONCENTRICITY OF NUT HEAD CONICAL SURFACE TO "D" DIAMETER SHALL BE WITHIN .005 T.I.R. (EXCEPT OVER INDENTS).
3. REMOVE ALL LOOSE OR HANGING BURRS.
4. LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT AND APPROXIMATELY .040" ABOVE THE INTERSECTION OF THE NUT NOSE ANGLE AND O.D. (MEAN GRIP OF FASTENER).
5. MANUFACTURER'S IDENTIFICATION:
 LETTER "N" DESIGNATES MONOGRAM/AEROSPACE FASTENERS.
 LETTERS "VS" DESIGNATE VOI-SHAN.
6. HEAD MARKINGS ON NUT DEPRESSED .010" MAX. LOCATION OPTIONAL.
7. HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.
 EXAMPLE: PLT1058GS-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = 0.281".
 THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP +.031"/-.030".
 THE BASIC "G" DIMENSION WILL BE NOMINAL GRIP +.031" AND THE OVERALL SCREW LENGTH "L" DIMENSION MAY VARY AT MANUFACTURER'S OPTION.
8. THESE PART NUMBERS HAVE A CLOSE TOLERANCE (.0005") GROUND SHANK AND ARE INTENDED FOR UP TO .0035" DIAMETRAL INTERFERENCE FIT APPLICATIONS. CONTACT MONOGRAM AEROSPACE FASTENER ENGINEER OR SALES REPRESENTATION IF EXPERIENCE FASTENER HEAD DISINTEGRATION DURING INTERFERENCE FIT INSTALLATION. GROUND SHANK VISU-LOKS WILL PERFORM SATISFACTORILY IN THE TABULATED HOLE SIZES.
9. DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.
10. 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 MAXIMUM "D" MAX + .001". FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS.
11. STANDARD FINISHES AND LUBRICANTS ARE SHOWN ABOVE. REFER TO SPECIFICATION ESCBB-4 FOR SPECIAL FINISHES AND/OR LUBRICANTS, IF REQUIRED.
12. STANDARD GRIP LENGTHS ARE AS TABULATED, SHORTER OR LONGER GRIPS THAN THOSE LISTED MAY BE AVAILABLE AS SPECIALS. ON GRIP LENGTHS SHORTER THAN THOSE LISTED, THE BREAKOFF LIMITS AND PREVAILING TORQUES AS TABULATED DO NOT APPLY.
13. DIMENSIONS "A", "A' ", AND "H" ARE FOR ENGINEERING REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR INSPECTION PURPOSES. THESE DIMENSIONS ARE THEORETICAL VALUES DERIVED FROM "D", "S", "V", "W" AND HEAD ANGLE DIMENSIONS.

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

TITLE:
 VISU-LOK, FASTENER, BLIND
 INTERNALLY THREADED, EXTERNAL SLEEVE
 TITANIUM, 75 KSI SHEAR
 100° REDUCED FLUSH HEAD, SELF-LOCKING
 GROUND SHANK

DRAWING NO: PLT1058GS()-()-()	
DRAWN BY: G.MARTINEZ	DRAWN DATE: 08-16-13
APPROVED BY:	CHECKED DATE:

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Alcoa CAGE CODE: 5M902	MONOGRAM CAGE CODE: 98524	ECN NO: 14-0719 ECN DATE: 11/09/14	REV: E SHEET 2 OF 2
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