

**TYPICAL INSTALLATION**

**TABLE I**

PART NUMBER	Ø NOM		A HEX		C MAX		Ø D		F WRENCH FLATS		H		Ø J MAX		K MAX		R. R	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT6027-05-(-)	.179	4,55	.250 .244	6,35 6,20	.293	7,45	.1800 .1780	4,572 4,521	.086 .081	2,18 2,06	.096 .070	2,44 1,78	.244	6,20	.272	6,91	.020 .010	0,51 0,25
PLT6027-06-(-)	.214	5,44	.312 .305	7,92 7,75	.328	8,34	.2150 .2130	5,461 5,410	.104 .099	2,64 2,51	.113 .074	2,87 1,88	.300	7,62	.312	7,93	.025 .015	0,64 0,38
PLT6027-08-(-)	.275	6,98	.375 .367	9,53 9,32	.379	9,63	.2760 .2740	7,010 6,960	.135 .130	3,43 3,30	.135 .084	3,43 2,13	.384	9,75	.351	8,92	.025 .015	0,64 0,38
PLT6027-10-(-)	.326	8,28	.437 .429	11,10 10,90	.448	11,38	.3270 .3250	8,306 8,255	.152 .147	3,86 3,73	.160 .106	4,06 2,69	.427	10,85	.426	10,83	.030 .015	0,76 0,38
PLT6027-12-(-)	.389	9,88	.500 .491	12,70 12,47	.535	13,59	.3900 .3880	9,906 9,855	.185 .180	4,70 4,57	.190 .127	4,83 3,22	.516	13,11	.495	12,58	.030 .015	0,76 0,38

**TABLE I (CONTINUED)**

PART NUMBER	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	IN-LBS	Nm	LBS	N	LBS	N
PLT6027-05-(-)	+0,088 +0,000	+2,24 +0,00	-01	.183 .180	4,65 4,57	1.0	0,113	3150	14010	900	4000
PLT6027-06-(-)	+1,103 +0,105	+2,62 +0,38	-01	.218 .215	5,54 5,46	1.5	0,169	4600	20460	1400	6230
PLT6027-08-(-)	+1,130 +0,032	+3,30 +0,81	-02	.279 .276	7,09 7,01	2.5	0,282	7900	35140	2100	9340
PLT6027-10-(-)	+1,130 +0,027	+3,30 +0,69	-02	.330 .327	8,38 8,31	3.5	0,395	11350	50480	3600	16010
PLT6027-12-(-)	+1,130 +0,027	+3,30 +0,69	-03	.393 .390	9,98 9,91	4.0	0,452	16450	73170	5600	24910



APPLICABLE SPECIFICATIONS:  
 PART NUMBER ASSIGNMENT: PLT5001  
 INSTALLATION AND REMOVAL: PLT5002  
 SPECIAL LUBE AND FINISH: PLT5003

**MATERIAL:**

NUT AND SCREW: UNS N07001 PER AMS5708.  
 SLEEVE: UNS N06230 PER AMS5891.  
 DRIVE NUT: MILD STEEL.

**HEAT TREAT:**

NUT AND SCREW: HEAT TREAT PER AMS2774.  
 SLEEVE: HEAT TREAT PER AMS5891 OR AMS2774.  
 DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

**FINISH:**

NUT AND SCREW: NONE.  
 SLEEVE: NONE.  
 DRIVE NUT: CORROSION RESISTANT COATING, COLOR BLACK.

**LUBRICATION:**

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

**EXAMPLE PART NUMBER:**

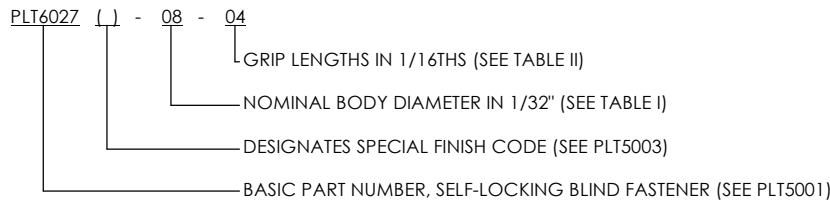


TABLE II

2ND DASH NO. △3	GRIP RANGE			
	GRIP MIN		GRIP MAX	
	INCH	mm	INCH	mm
-01	.032	0.81	.093	2.36
-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:**

- DIMENSIONS LISTED IN SI UNITS ARE REFERENCE CONVERSION VALUES ROUNDED TO ENCOMPASS THE LIMITING ENGLISH UNIT DIMENSIONS LISTED.
- LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120 ° APART ON THE PERIPHERY OF THE NUT COMPONENT.
- HALF GRIP SIZES MAY BE ORDERED BY ADDING ".5" TO THE GRIP DASH NUMBER.  
 EXAMPLE: PLT6027-06-4.5 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].
- 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].
- PLT6027-05-( ) GRIP LENGTH AVAILABILITY LIMITED TO -01 THRU -16.
- HEAD MARKINGS ON NUT DEPRESSED .010 INCH [0.254 mm] MAXIMUM. POSITION OPTIONAL.
- DRIVE NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.
- RECESS OR INDENTED HEX IN HEAD OF NUT OPTIONAL.



TITLE:  
 VISU-LOK® II, FASTENER, BLIND,  
 HEXAGONAL PROTRUDING HEAD,  
 1/64" OVERSIZE DIAMETER,  
 UNS N07001 NICKEL ALLOY

DRAWING NO: PLT6027 ( )-( )-( )	
DRAWN BY: A PEREZ	DRAWN DATE: 01/18/2014
APPROVED BY:	CHECKED DATE:

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		ECN DATE: 11/26/14	SHEET 2 OF 2