

PART NUMBER	NOM DIA.		A HEX.		C MAX.		D DIA.		F FLATS		H HEAD HEIGHT		J DIA. MAX.		K MAX.		N MIN.	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT5275-05-(-)	.1635	4,153	.250 .244	6,35 6,20	.285	7,24	.1645 .1625	4,178 4,128	.086 .081	2,18 2,06	.096	2,44	.244	6,20	.257	6,53	.272	6,91
PLT5275-06-(-)	.1890	4,800	.312 .305	7,92 7,75	.320	8,13	.1900 .1880	4,826 4,775	.104 .099	2,64 2,52	.113	2,88	.300	7,62	.288	7,31	.340	8,64
PLT5275-08-(-)	2480	6,299	.375 .367	9,52 9,32	.365	9,27	.2490 .2470	6,325 6,274	.135 .130	3,43 3,30	.135	3,43	.384	9,75	.320	8,13	.409	10,39
PLT5275-10-(-)	.3105	7,887	.437 .429	11,10 10,90	.440	11,18	.3115 .3095	7,912 7,861	.152 .147	3,86 3,73	.160	4,07	.427	10,85	.396	10,06	.479	12,17
PLT5275-12-(-)	.3735	9,487	.500 .491	12,70 12,47	.525	13,34	.3745 .3735	9,512 9,462	.185 .180	4,70 4,57	.190	4,83	.516	13,11	.473	12,01	.548	13,92

PART NUMBER	R RAD.		W REF. DRIVE NUT		△6 BREAK-OFF LIMITS		MINIMUM AVAILABLE GRIP LENGTH	HOLE SIZE		△6 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
PLT5275-05-(-)	.020 .010	0,51 0,25	.375	9,52	+0,088 +0,000	+2,24 +0,00	-01	.168 .165	4,27 4,19	1.0	0,113	3150	14010	900	4000
PLT5275-06-(-)	.025 .015	0,63 0,38	.375	9,52	+0,098 +0,010	+2,49 +0,25	-01	.193 .190	4,90 4,82	1.5	0,170	4200	18680	1400	6230
PLT5275-08-(-)	.025 .015	0,63 0,38	.375	9,52	+1,135 +0,047	+3,43 +1,19	-02	.252 .249	6,40 6,32	2.5	0,282	7200	32020	2100	9340
PLT5275-10-(-)	.030 .015	0,76 0,38	.500	12,70	+1,146 +0,043	+3,71 +1,09	-02	.315 .312	8,00 7,92	3.5	0,400	11350	50480	3600	16010
PLT5275-12-(-)	.030 .015	0,76 0,38	.500	12,70	+1,152 +0,049	+3,86 +1,24	-03	.378 .375	9,60 9,52	4.0	0,452	16450	73170	5600	24910



TITLE:  
VISU-LOK® II, FASTENER, BLIND  
HEXAGONAL PROTRUDING HEAD SELF-LOCKING  
75 KSI SHEAR, TITANIUM ALLOY

DRAWING NO:  
PLT5275(-)(-)(-)

DRAWN BY: G.MARTINEZ  
DRAWN DATE: 08-20-13

APPROVED BY: \_\_\_\_\_  
CHECKED DATE: \_\_\_\_\_

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CAGE CODE:  
98524

ECN NO:  
14-0805  
ECN DATE:  
11/20/14

REV:  
F  
SHEET 1 OF 2



PROCUREMENT SPEC: PLT5000, CLASS 5, TYPE V, EXCEPT AS SPECIFIED HEREIN.

MATERIAL:  
NUT & SCREW: 6AL-4V TITANIUM PER AMS4928 OR AMS4967.  
SLEEVE: 303 OR 304 CORROSION RESISTANT STEEL PER AMS5639 OR AMS5641 OR A286 PER AMS5731, AMS5732 OR AMS5737.  
DRIVE NUT: MILD STEEL.

HEAT TREAT:  
NUT & SCREW: HEAT TREAT PER AMS-H-81200 TO 95 KSI FSU MIN. MAX. HYDROGEN 125 PPM.  
SLEEVE & DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

FINISH:   
"-" NUT & SCREW: NONE.  
SLEEVE: PASSIVATE PER AMS2700.  
DRIVE NUT: CORROSION RESISTANT COATING, COLOR GRAY.

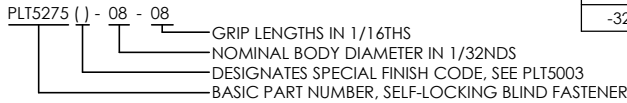
"AD" NUT: ANODIZE PER AMS2488, TYPE II.  
SCREW: NONE.  
SLEEVE: PASSIVATE PER AMS2700.  
DRIVE NUT: CORROSION RESISTANT COATING, COLOR GRAY.

"X" NUT: IVD ALUMINUM COAT PER MIL-DTL-83488, CLASS 3, TYPE II.  
SCREW: KAL-GARD ANN-R0 #1012 OPTIONAL.  
SLEEVE: PASSIVATE PER AMS2700.  
DRIVE NUT: KAL-GARD ANN-R0 #1013 OPTIONAL.  
CORROSION RESISTANT COATING, COLOR GRAY.

LUBRICANT:  
"-" & "AD" NUT, SCREW, & SLEEVE: DRY FILM LUBE AND CETYL ALCOHOL OPTIONAL AND AS REQUIRED.

"X" NUT: CARBO WAX, PARAFFIN WAX, TIOLON A-20, TIOLON X-20, OR CETYL ALCOHOL AS REQUIRED FOR PERFORMANCE (CLEAR TO WHITE).  
SCREW & SLEEVE: LUBRICANTS USED ON SLEEVES AND SCREWS MUST NOT CONTAIN SULFIDES OR GRAPHITE. EXAMPLES OR ACCEPTABLE LUBES ARE TIOLON X-20, TIOLON A-20, AND KAL-GARD FC-2, AND THOSE LUBRICANTS LISTED ABOVE FOR THE NUT COMPONENT.

PART CODE & EXAMPLE:



SECOND DASH NUMBER			GRIP RANGE						L REF.								
			MIN		MAX		-05-( )		-06-( )		-08-( )		-10-( )		-12-( )		
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	
-01	.093	2.36	.031	0.79	.093	2.36	1.165	29.591	1.255	31.877	-	-	-	-	-	-	
-02	.156	3.96	.094	2.39	.156	3.96	1.228	31.191	1.318	33.477	1.478	37.541	1.833	46.558	-	-	
-03	.219	5.56	.157	3.99	.219	5.56	1.291	32.791	1.381	35.077	1.541	39.141	1.896	48.158	2.085	52.959	
-04	.281	7.14	.220	5.59	.281	7.14	1.353	34.366	1.443	36.652	1.603	40.716	1.958	49.733	2.147	54.534	
-05	.344	8.74	.282	7.16	.344	8.74	1.416	35.966	1.506	38.252	1.666	42.316	2.021	51.333	2.210	56.134	
-06	.406	10.31	.345	8.76	.406	10.31	1.476	37.541	1.568	39.827	1.728	43.891	2.083	52.908	2.272	57.709	
-07	.469	11.91	.407	10.34	.469	11.91	1.541	39.141	1.631	41.427	1.791	45.491	2.146	54.508	2.335	59.309	
-08	.531	13.49	.470	11.94	.531	13.49	1.603	40.716	1.693	43.002	1.853	47.066	2.208	56.083	2.397	60.884	
-09	.594	15.11	.532	13.51	.595	15.11	1.666	42.316	1.756	44.602	1.916	48.666	2.271	57.683	2.460	62.484	
-10	.656	16.66	.595	15.11	.656	16.66	1.728	43.891	1.818	46.177	1.978	50.241	2.333	59.258	2.522	64.059	
-11	.719	18.26	.657	16.69	.719	18.26	1.791	45.451	1.881	47.777	2.041	51.841	2.396	60.858	2.585	65.659	
-12	.781	19.84	.720	18.29	.781	19.84	1.853	47.066	1.943	49.352	2.103	53.416	2.458	62.433	2.647	67.234	
-13	.844	21.44	.782	19.86	.844	21.44	1.916	48.666	2.006	50.952	2.166	55.016	2.521	64.033	2.710	68.834	
-14	.906	23.01	.845	21.46	.906	23.01	1.978	50.241	2.068	52.527	2.228	56.591	2.583	65.608	2.772	70.409	
-15	.969	24.61	.907	23.04	.969	24.61	2.041	51.841	2.131	54.127	2.291	58.191	2.646	67.208	2.835	72.009	
-16	1.031	26.19	.970	24.64	1.031	26.19	2.103	53.416	2.193	55.702	2.353	59.766	2.708	68.783	2.897	73.584	
-17	1.094	27.79	1.032	26.21	1.094	27.79				2.256	57.302	2.416	61.366	2.771	70.383	2.960	75.184
-18	1.156	29.36	1.095	27.81	1.156	29.36				2.318	58.877	2.478	62.941	2.833	71.958	3.022	76.759
-19	1.219	30.96	1.157	29.39	1.219	30.96				2.381	60.477	2.541	64.541	2.896	73.558	3.085	78.359
-20	1.281	32.54	1.220	30.99	1.281	32.54				2.443	62.052	2.603	66.116	2.958	75.133	3.147	79.934
-21	1.344	34.14	1.282	32.56	1.344	34.14				2.506	63.652	2.666	67.716	3.021	76.733	3.210	81.534
-22	1.406	35.71	1.345	34.16	1.406	35.71				2.568	65.227	2.728	69.291	3.083	78.308	3.272	83.109
-23	1.469	37.31	1.407	35.74	1.469	37.31				2.631	66.827	2.791	70.891	3.146	79.908	3.335	84.709
-24	1.531	38.89	1.470	37.34	1.531	38.89				2.693	68.402	2.853	72.466	3.208	81.483	3.397	86.284
-25	1.594	40.49	1.532	38.91	1.594	40.49				2.756	70.002	2.916	74.066	3.271	83.083	3.460	87.884
-26	1.656	42.06	1.595	40.51	1.656	42.06				2.818	71.577	2.978	75.641	3.333	84.658	3.522	89.459
-27	1.719	43.66	1.657	42.09	1.719	43.66				2.881	73.177	3.041	77.241	3.396	86.258	3.585	91.059
-28	1.781	45.24	1.720	43.69	1.781	45.24				2.943	74.752	3.103	78.816	3.458	87.833	3.647	92.634
-29	1.844	46.84	1.782	45.26	1.844	46.84				3.006	76.352	3.166	80.416	3.521	89.433	3.710	94.234
-30	1.906	48.41	1.845	46.86	1.906	48.41				3.068	77.927	3.228	81.991	3.583	91.008	3.772	95.809
-31	1.969	50.01	1.907	48.44	1.969	50.01				3.131	79.527	3.291	83.591	3.646	92.608	3.835	97.409
-32	2.031	51.59	1.970	50.04	2.031	51.59				3.193	81.102	3.353	85.166	3.708	94.183	3.897	98.984

NOT AVAILABLE IN -05 DIAMETER

GENERAL NOTES:

- LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT.
- FASTENER IDENTIFICATION: "5275" IN TWO QUADRANTS, OPTIONAL HEAD MARKING FOR -05, -10 AND -12 SIZES, "5275" IN TWO QUADRANTS.
- HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.  
EXAMPLE: PLT5275-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS (0.281" = 7.14 mm). THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP +.031"/-.030" (+0.79/-0.79 mm).
- MAXIMUM RECOMMENDED TEMPERATURE 750°F.
- 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 (22.23 NEWTONS).
- STANDARD GRIP LENGTHS ARE SHOWN 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 TORQUE VALUES SHOWN AS TABULATED DO NOT APPLY.
- REFER TO SPECIFICATION PLT5003 FOR SPECIAL FINISHES AND/OR LUBRICANTS, IF REQUIRED.
- "G" TOLERANCES: FOR -05 & -06 SIZES +.030"/-.010" (+0.762mm/-0.254mm); FOR -08 & -10 SIZES +.040"/-.010" (+1.016mm/-0.254mm); FOR -12 SIZES +.050"/-.010" (+1.270mm/-0.254mm).
- HEAD MARKINGS DEPRESSED .010" (0.254 mm MAX.), POSITION OPTIONAL.

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

TITLE:  
VISU-LOK® II, FASTENER, BLIND  
HEXAGONAL PROTRUDING HEAD SELF-LOCKING  
75 KSI SHEAR, TITANIUM ALLOY

DRAWING NO:  
PLT5275 ( ) - ( ) - ( )

DRAWN BY: G.MARTINEZ  
DRAWN DATE: 08-20-13

APPROVED BY: \_\_\_\_\_  
CHECKED DATE: \_\_\_\_\_

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ECN NO: 14-0805  
ECN DATE: 11/20/14  
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SHEET 2 OF 2