



PART NUMBER	NOM DIA.		A THEO DIA.		A' DIA. MIN.		C MAX.		D DIA.		F FLATS		H REF.		$\triangle 3$ J DIA. MAX.		$\triangle 5$ K REF.		L1 REF.		L3 REF.	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT5171-05-(-)	.179	4,55	.332 .325	8,43 8,25	.296	7,52	.315	8,00	.1800 .1780	4,572 4,521	.086 .081	2,18 2,06	.063	1,60	.244	6,20	.300	7,62	.385	9,78	.626	15,90
PLT5171-06-(-)	.214	5,44	.385 .378	9,78 9,60	.342	8,69	.350	8,89	.2150 .2130	5,461 5,410	.104 .099	2,64 2,52	.070	1,78	.300	7,62	.333	8,46	.431	10,95	.610	15,49
PLT5171-08-(-)	.275	6,98	.507 .499	12,88 12,67	.463	11,76	.385	9,78	.2760 .2740	7,010 6,960	.135 .130	3,43 3,30	.096	2,44	.384	9,75	.366	9,30	.477	12,12	.706	17,93
PLT5171-10-(-)	.326	8,28	.635 .626	16,13 15,90	.577	14,66	.470	11,94	.3270 .3250	8,306 8,255	.152 .147	3,86 3,73	.128	3,25	.427	10,85	.447	11,35	.595	15,11	.938	23,83
PLT5171-12-(-)	.389	9,88	.762 .752	19,35 19,10	.696	17,68	.555	14,10	.3900 .3880	9,906 9,855	.185 .180	4,70 4,57	.154	3,91	.516	13,11	.527	13,39	.704	17,88	1,013	25,73

PART NUMBER	R RAD.		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		INCH	mm	IN-LB	Nm	LBS.	N	LBS.	N
PLT5171-05-(-)	.030 .010	0,76 0,25	.012	0,30	.0276 .0238	0,701 0,604	.2671 .2667	6,784 6,774	+0,20 -0,68	+0,51 -1,73	-02	.183 .180	4,65 4,57	1.0	0,113	3150	14010	900	4000
PLT5171-06-(-)	.030 .015	0,76 0,38	.015	0,38	.0299 .0259	0,759 0,658	.3147 .3143	7,993 7,983	+0,15 -0,73	+0,38 -1,85	-02	.218 .215	5,54 5,46	1.5	0,170	4600	20460	1400	6230
PLT5171-08-(-)	.030 .015	0,76 0,38	.015	0,38	.0353 .0307	0,897 0,780	.4245 .4241	10,782 10,772	+0,10 -0,78	+0,25 -1,98	-03	.279 .276	7,09 7,01	2.5	0,282	7900	35140	2100	9340
PLT5171-10-(-)	.040 .020	1,02 0,51	.020	0,51	.0409 .0357	1,039 0,907	.5389 .5385	13,688 13,678	+0,10 -0,83	+0,25 -2,11	-04	.330 .327	8,38 8,30	3.5	0,400	11350	50480	3600	16010
PLT5171-12-(-)	.040 .020	1,02 0,51	.023	0,58	.0466 .0407	1,184 1,034	.6532 .6528	16,591 16,581	+0,10 -0,93	+0,25 -2,36	-04	.393 .390	9,98 9,90	4.0	0,452	16450	73170	5600	24910

a TriMas company

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

TITLE:

VISU-LOK® II, FASTENER, BLIND
100° FLUSH TENSION HEAD, 1/64" OVS DIAMETER
TITANIUM ALLOY

DRAWING NO:
PLT5171(-)(-)(-)

DRAWN BY: G.MARTINEZ DRAWN DATE: 08-14-13

APPROVED BY: CHECKED DATE:

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5M902

MONOGRAM
CAGE CODE:
98524

ECN NO:
14-0779
ECN DATE:
11/16/14

REV:
J
SHEET 1 OF 2



2ND DASH NO.	GRIP RANGE			
	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

2ND DASH NO.	GRIP RANGE			
	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	29,38	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 5, TYPE I
 PART NUMBER ASSIGNMENT = PLT 5001
 INSTALLATION AND REMOVAL = PLT 5002
 SPECIAL LUBE AND FINISH = PLT 5003

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

HEAT TREAT: (-) CODE: NUT & SCREW: HEAT TREAT TO 95 KSI, FSU.
 SLEEVE: AS REQUIRED FOR PERFORMANCE.
 DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

FINISH: (-) CODE: NUT & SCREW: NONE
 SLEEVE: PASSIVATE PER AMS2700.
 DRIVE NUT: CORROSION RESISTANT COATING. COLOR GRAY.

LUBRICANT: SOLID DRY FILM LUBE PER THE CHEMICAL REQUIREMENTS OF AS5272 TYPE I 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: PLT5171 () - 08 - 04

└── GRIP LENGTHS IN 1/16THS
 └── NOMINAL BODY DIAMETER AS TABULATED IN 1/32NDS
 └── DESIGNATES SPECIAL FINISH CODE, SEE PLT 5003
 └── BASIC PART NUMBER, SELF LOCKING BLIND FASTENER, SEE PLT5001

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: PLT5171-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = 0.281" (7,14mm) AND A NOMINAL 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. SECOND DASH NUMBER (GRIP RANGE) -17 THROUGH -32 NOT AVAILABLE IN -05 DIAMETER.
5. "J" AND "K" ARE FOR DESIGN PURPOSES ONLY, NOT FOR INSPECTION IN ACTUAL APPLICATION.
6. HEAD MARKINGS DEPRESSED .010" (0,254mm MAX), POSITION OPTIONAL.



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 100° FLUSH TENSION HEAD, 1/64" OVS DIAMETER
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MONOGRAM
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98524

ECN NO:
14-0779
 ECN DATE:
11/16/14

REV:
J
SHEET 2 OF 2