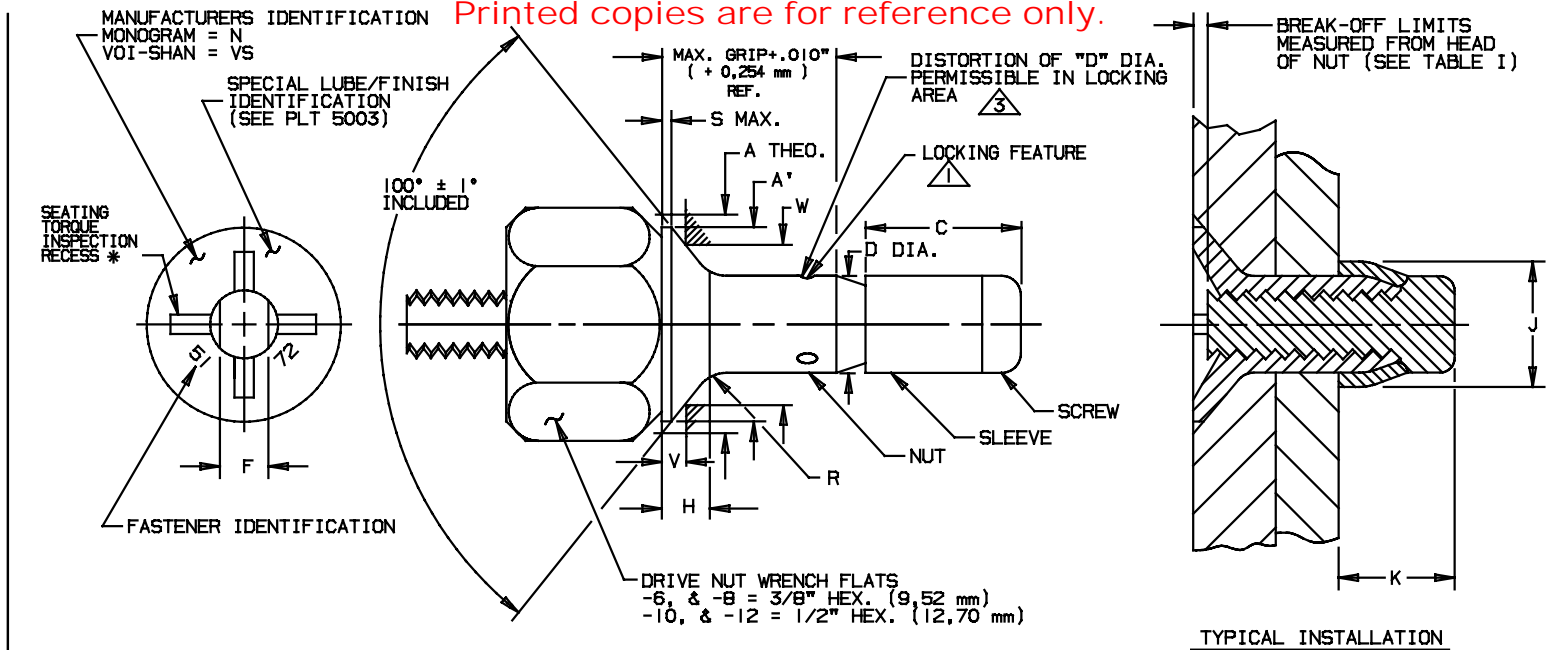


Printed copies are for reference only.



HEAD MARKINGS DEPRESSED .010 INCH ( 0,254 mm MAX. ) ( POSITION OPTIONAL )  
\* DRIVE-NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.

TABLE I

PART NUMBER	NOM. DIA.		A DIA. THEO.		A' DIA. MIN.		C MAX.		D DIA.		F FLATS		H REF.		J DIA. MAX.		K REF.		R RAD.			
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm		
PLT 5172-6-()	.2290	5,817	.385 .378	9,78 9,60	.342	8,69	.364	9,25	.2300 .2280	5,84 5,79	.104 .099	2,64 2,51	.063	1,60	.315	8,00	.355	9,02			.030 .015	0,76 0,38
PLT 5172-8-()	.2900	7,366	.507 .499	12,88 12,67	.463	11,76	.398	10,11	.2910 .2890	7,39 7,34	.135 .130	3,43 3,30	.087	2,21	.401	10,19	.390	9,91			.030 .015	0,76 0,38
PLT 5172-10-()	.3415	8,674	.635 .626	16,13 15,90	.577	14,66	.482	12,24	.3425 .3405	8,70 8,65	.152 .147	3,86 3,73	.118	3,00	.442	11,23	.481	12,22			.040 .020	1,02 0,51
PLT 5172-12-()	.4045	10,274	.762 .752	19,35 19,10	.696	17,68	.567	14,40	.4055 .4035	10,30 10,25	.185 .180	4,70 4,57	.144	3,66	.531	13,49	.575	14,61			.040 .020	1,02 0,51

TABLE I (CONT.)

PART NUMBER	S MAX.		V GAGE PROT.		W GAGE DIA.		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	INCH	mm	INCH	mm		INCH	mm	IN-LB	Nm	LBS.	N	LBS.	N
PLT 5172-6-()	.015	0,38	.0299 .0259	0,759 0,658	.3147 .3143	7,993 7,983	+.015 -.073	+0,38 -1,85	-2	.233 .230	5,92 5,84	1.5	0,170	4600	20460	1400	6230
PLT 5172-8-()	.015	0,38	.0353 .0307	0,897 0,780	.4245 .4241	10,782 10,772	+.010 -.078	+0,25 -1,98	-3	.294 .291	7,47 7,39	2.5	0,282	7900	35140	2100	9340
PLT 5172-10-()	.020	0,51	.0409 .0357	1,039 0,907	.5389 .5385	13,688 13,678	+.010 -.083	+0,25 -2,11	-4	.346 .343	8,79 8,71	3.5	0,400	11350	50480	3600	16010
PLT 5172-12-()	.023	0,58	.0466 .0407	1,184 1,034	.6532 .6528	16,591 16,581	+.010 -.093	+0,25 -2,36	-4	.409 .406	10,39 10,32	4.0	0,452	16450	73170	5600	24910

**VOI-SHAN**  
CODE IDENT. NO.  
92215

U.S. PATENT NO. 3643544 AND 4747202  
EUROPEAN PATENT NO. 0216980

**MONOGRAM**  
CODE IDENT. NO.  
98524

APPROVED DATE  
04-10-85 ECN 4088  
REV. LETTER AND DATE  
"E" 01-09-92

TITLE  
VISU-LOK® II FASTENER, BLIND  
100° FLUSH TENSION HEAD 1/32" OVS DIAMETER  
TITANIUM ALLOY

**STANDARD**  
PLT 5172  
SHEET 1 OF 2

APPLICABLE SPECIFICATIONS:

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: DASH (-) CODE: NUT & SCREW: 6AL-4V TITANIUM PER AMS 4928 OR AMS 4967  
SLEEVE: CORROSION RESISTANT STEEL  
DRIVE NUT: MILD STEEL

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

FINISH: DASH (-) CODE: NUT & SCREW: NONE.  
SLEEVE: PASSIVATE PER QQ-P-35 (MIL-S-5002)  
DRIVE NUT: CORROSION RESISTANT COATING. COLOR GRAY

LUBRICATION: SOLID DRY FILM LUBRICANT PER THE CHEMICAL REQUIREMENTS OF MIL-L-46010 TYPE I OR EVERLUBE 812 PER MIL-L-81329, PARAFFIN WAX OR CETYL ALCOHOL PER MIL-L-87132 MAY BE APPLIED TO ANY OR ALL COMPONENTS AS REQUIRED FOR PERFORMANCE, (SEE PLT 5003 FOR SPECIAL LUBRICANTS AND FINISHES)

PART CODE & EXAMPLE: PLT 5172 - 8 - 4  

GRIP LENGTH IN 1/16THS (SEE TABLE II)  
NOMINAL BODY DIAMETER IN 1/32NDS (SEE TABLE I)  
DASH (-) INDICATES STANDARD LUBRICATION AND FINISH (SEE PLT 5003)  
BASIC PART NUMBER, SELF LOCKING BLIND BOLT (SEE PLT 5001)

TABLE II

2ND DASH NO. △4	GRIP RANGE △2			
	MIN. GRIP		MAX. GRIP	
	INCH	mm	INCH	mm
-2	.094	2,39	.156	3,96
-3	.157	3,99	.219	5,56
-4	.220	5,59	.281	7,14
-5	.282	7,16	.344	8,74
-6	.345	8,76	.406	10,31
-7	.407	10,34	.469	11,91
-8	.470	11,94	.531	13,49
-9	.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	29,38	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

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 NUMBER  
EXAMPLE: PLT 5172-6-4.5 HAS A NOMINAL GRIP LENGTH OF 4-1/2 16THS (.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 SECOND DASH NUMBER (GRIP RANGE) -17 THROUGH -32 NOT AVAILABLE IN -5 DIAMETER

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**STANDARD**  
PLT 5172  
SHEET 2 OF 2