

HEAD MARKINGS DEPRESSED .010" MAX.  
\* DRIVE NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.

**TABLE I**

PART NUMBER	NOM. DIA.	A DIA. THEO.	B DIA. REF.	C MAX.	D DIA.	F FLATS	H REF.	J DIA. MAX.	K MAX.	R	T RFF. (DRIVE-NUT)	Z REF.	$\theta \pm 1^\circ$	MINIMUM AVAILABLE GRIP DASH NUMBER	BREAK-OFF LIMITS	PREVAILING TORQUE IN. - LBS. MIN.	DOUBLE SHEAR STRENGTH LBS. MIN.	TENSILE STRENGTH LBS. MIN.
PLT 5510-5-( )	.1635	.241 .239	.228	.268	.1645 .1625	.086 .081	.043	.244	.246	.020 .010	.375	.037	9° 30'	-2	+0.020 -.068	1.0	3355	900
PLT 5510-6-( )	.1980	.292 .290	.276	.303	.1990 .1970	.104 .099	.052	.300	.281	.025 .015	.375	.045		-2	+0.015 -.073	1.5	4650	1400
PLT 5510-8-( )	.2590	.382 .380	.361	.354	.2600 .2580	.135 .130	.068	.384	.325	.030 .020	.375	.059		-3	+0.010 -.078	2.5	7770	2100
PLT 5510-10-( )	.3105	.457 .455	.432	.423	.3115 .3095	.152 .147	.082	.427	.390	.035 .025	.500	.071		-3	+0.010 -.083	3.5	12000	3600
PLT 5510-12-( )	.3735	.550 .548	.521	.510	.3745 .3725	.185 .180	.098	.516	.470	.040 .030	.500	.085		-3	+0.010 -.093	4.0	19500	5600

**PROCUREMENT SPECIFICATIONS:**

PROCUREMENT SPECIFICATIONS - HAS 1675 EXCEPT AS NOTED HEREIN.

**TABLE II**

SECOND DASH NUMBER	GRIP RANGE	
	MIN.	MAX.
-2	.094	.156
-3	.157	.219
-4	.220	.281
-5	.282	.344
-6	.345	.406
-7	.407	.469
-8	.470	.531
-9	.532	.594
-10	.595	.656
-11	.657	.719
-12	.720	.781
-13	.782	.844
-14	.845	.906
-15	.907	.969
-16	.970	1.031
-17	1.032	1.094
-18	1.095	1.156
-19	1.157	1.219
-20	1.220	1.281

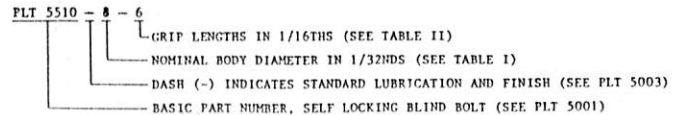
**MATERIAL:** NUT & SCREW: ALLOY STEEL: 4130 PER MIL-S-6758, 4140 PER MIL-S-5626 OR 8740 PER MIL-S-6049  
SLEEVE: CORROSION RESISTANT STEEL: 303 PER AMS 5639 OR 304 PER AMS 5641  
DRIVE NUT: MILD STEEL

**HEAT TREAT:** NUT & SCREW: HEAT TREATED PER MIL-H-6975 TO RC 39-43  
SLEEVE: AS REQUIRED FOR PERFORMANCE  
DRIVE NUT: AS REQUIRED FOR PERFORMANCE

**FINISH:** NUT & SCREW: CADMIUM PLATED PER QQ-P-416 TYPE II, CL. 2 CADMIUM PLATE PER NAS 672 IS PERMISSIBLE PROVIDED IT IS FOLLOWED BY A DICHROMATE POST TREATMENT PER QQ-P-416.  
SLEEVE: PASSIVATED PER MIL-S-5002. CADMIUM PLATED PER QQ-P-416 TYPE II, CL. 3.  
DRIVE NUT: CORROSION RESISTANT COATING. COLOR LIGHT GREEN.

**LUBRICATION:** SOLID DRY FILM LUBRICANT PER THE CHEMICAL REQUIREMENTS OF MIL-L-8937, PARAFFIN WAX, OR CETYL ALCOHOL PER MIL-L-87137 MAY BE APPLIED TO ANY OR ALL COMPONENTS AS REQUIRED FOR PERFORMANCE (SEE PLT 5003 FOR SPECIAL LUBRICANTS AND FINISHES).

**PART CODE & EXAMPLE:**



**GENERAL NOTES:**

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: PLT 5510-6-4.5 HAS A NOMINAL GRIP LENGTH OF 4 1/2 16THS (.281") AND A GRIP RANGE OF .250" THRU .312".

U.S. PATENT NO.'S 3643544 AND 4370081. OTHER PATENTS PENDING.

LONGER GRIPS ARE AVAILABLE. CONTACT FACTORY

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

**ENGINEERING CONTROL COPY**

**OCT 29 1992**

**MONOGRAM AEROSPACE FASTENERS**

**MONOGRAM**  
CODE IDENT. NO.  
**98524**

**STANDARD**

**PLT 5510**  
SHEET 1 OF

**APPROVED DATE**  
03-28-85 ECN #4058

**REV. LETTER AND DATE**  
"A" ECN #4377 01-14-86

**TITLE**  
VISU-LOCK® II FASTENER, BLIND  
160° INTERFERENCE HEAD  
NOMINAL DIAMETER  
ALLOY STEEL