

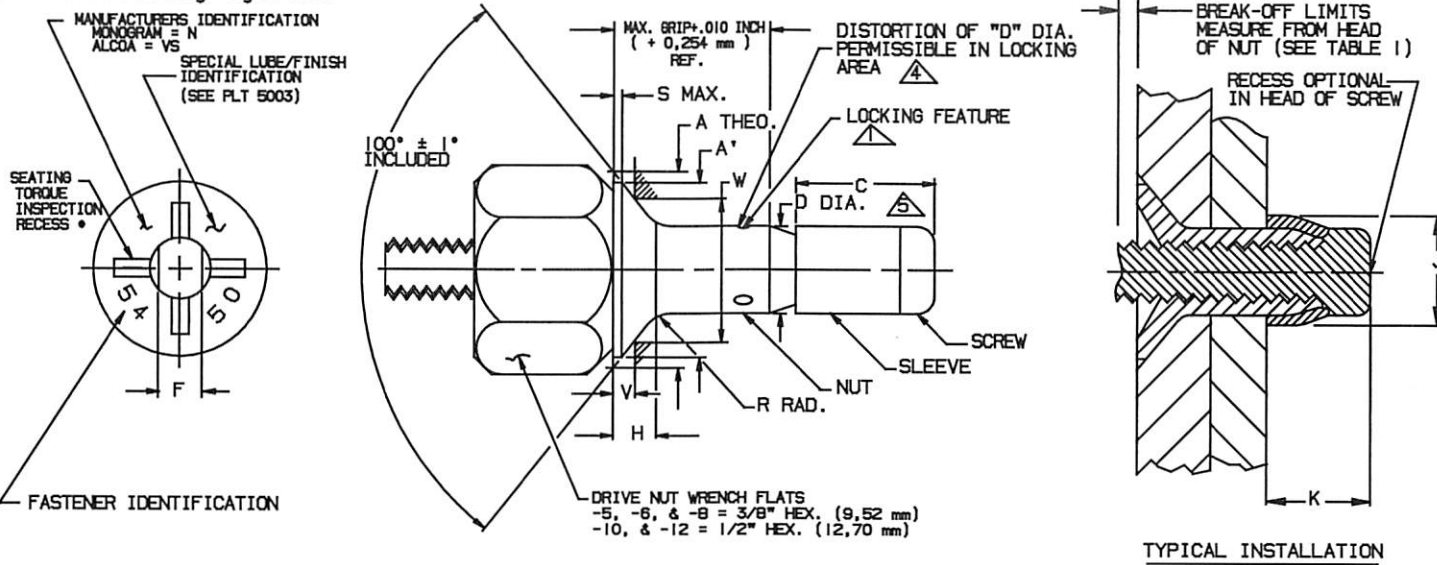


ALCOA

Alcoa Fastening Systems

CUSTODIAN: ENGINEERING STANDARD COMMITTEE FOR BLIND BOLTS
3423 SOUTH GARFIELD AVENUE
LOS ANGELES, CALIFORNIA 90040

MF® MONOGRAM
AEROSPACE
FASTENERS



HEAD MARKINGS DEPRESSED .010 INCH (0,254 mm) MAX. (SEE NOTE \triangle) (POSITION OPTIONAL)

• DRIVE-NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.

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
PLT5450-5-()	.1635	4,153	.2612	6,634	.241	6,12	.285	7,24	.1645	4,178	.086	2,18	.040	1,02	.244	6,20	.257	6,53	.030	0,76
			.2564	6,513					.1625	4,128	.081	2,06							.010	0,25
PLT5450-6-()	.1980	5,029	.3016	7,661	.270	6,86	.320	8,13	.1990	5,055	.104	2,64	.047	1,19	.300	7,62	.288	7,32	.030	0,76
			.2966	7,534					.1970	5,004	.099	2,52							.015	0,38
PLT5450-8-()	.2590	6,579	.3948	10,028	.363	9,22	.355	9,02	.2600	6,604	.135	3,43	.061	1,55	.384	9,75	.320	8,13	.030	0,76
			.3898	9,901					.2580	6,553	.130	3,30							.015	0,38
PLT5450-10-()	.3105	7,887	.4739	12,037	.442	11,23	.440	11,18	.3115	7,912	.152	3,86	.068	1,73	.427	10,85	.396	10,06	.040	1,02
			.4689	11,910					.3095	7,861	.147	3,73							.020	0,51
PLT5450-12-()	.3735	9,487	.5604	14,234	.529	13,44	.525	13,34	.3745	9,512	.185	4,70	.077	1,96	.516	13,11	.473	12,01	.040	1,02
			.5554	14,107					.3725	9,462	.180	4,57							.020	0,51

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.	kN	LBS.	kN
PLT5450-5-()	.010	0,25	.0265	0,673	.1992	5,060	+.088	+2,24	-2	.168	4,27	1.0	0,113	4680	20.8	1060	4.7
			.0237	0,602	.1990	5,055	-.000	-0,00			.165	4,19					
PLT5450-6-()	.015	0,38	.0246	0,625	.2440	6,198	+.088	+2,24	-2	.2025	5,14	1.5	0,170	6900	30.7	1770	7.9
			.0218	0,554	.2438	6,193	-.000	-0,00			.1995	5,06					
PLT5450-8-()	.015	0,38	.0271	0,688	.3314	8,418	+.098	+2,49	-3	.2635	6,69	2.5	0,282	11800	52.5	3120	13.9
			.0242	0,615	.3312	8,413	-.000	-0,00			.2605	6,61					
PLT5450-10-()	.015	0,38	.0296	0,752	.4047	10,279	+.103	+2,62	-3	.315	8,00	3.5	0,400	17000	75.6	4440	19.7
			.0266	0,676	.4045	10,274	-.000	-0,00			.312	7,92					
PLT5450-12-()	.015	0,38	.0321	0,815	.4854	12,329	+.103	+2,62	-3	.378	9,60	4.0	0,452	24500	109.0	6390	28.4
			.0290	0,737	.4852	12,324	-.000	-0,00			.375	9,52					

ALCOA

CODE IDENT. NO.
5M902

MONOGRAM

CODE IDENT. NO.
98524

APPROVED DATE

05-28-95 ECN # 4154

REV. LETTER AND DATE

"D" 09-27-11 ECN#5848

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TITLE

VISU-LOK® II FASTENER, BLIND
100° REDUCED FLUSH SHEAR HEAD,
NOMINAL DIAMETER
5% CHROME STEEL ALLOY (H-11)

STANDARD

PLT 5450

SHEET 1 OF 2



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APPLICABLE SPECIFICATIONS:

PROCUREMENT SPECIFICATION = PLT 5000 CLASS 4, TYPE III
PART NUMBER ASSIGNMENT = PLT 5001
INSTALLATION AND REMOVAL = PLT 5002
SPECIAL LUBE AND FINISH = PLT 5003

MATERIAL: NUT & SCREW: 5% CHROME STEEL (H-11) PER AMS 6487
SLEEVE: A-286 PER AMS 5731, AMS 5732, AMS 5737, OR INCONEL X-750 PER AMS 5667 OR AMS 5592
DRIVE NUT: MILD STEEL

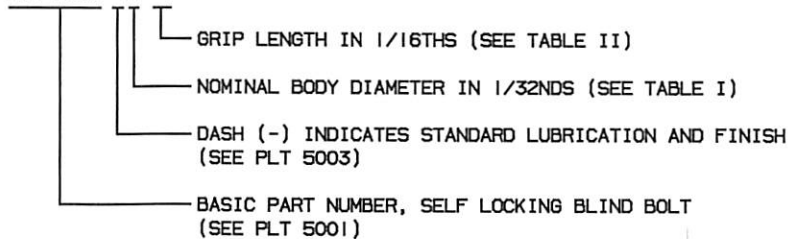
HEAT TREAT: NUT & SCREW: HEAT TREAT TO RC 48-53
SLEEVE: AS REQUIRED FOR PERFORMANCE
DRIVE NUT: AS REQUIRED FOR PERFORMANCE

FINISH: NUT & SCREW: CADMIUM PLATE PER NAS 672, .0003" MINIMUM THICKNESS (EXCEPT THERMAL INDICATOR MAY BE OMITTED) FOLLOWED BY A DICHROMATE POST TREATMENT PER QQ-P-416
SLEEVE: PASSIVATE PER AMS2700. CADMIUM PLATE PER QQ-P-416, TYPE I, CLASS 3
DRIVE NUT: CORROSION RESISTANT COATING. COLOR RED

LUBRICATION: SOLID DRY FILM LUBRICANT PER THE CHEMICAL REQUIREMENTS OF ASS272 TYPE I OR EVERLUBE 812 PER MIL-L-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:

PLT 5450 -8 -4



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 5450-6-4.5 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. SECOND DASH NUMBER (GRIP RANGE) -17 THROUGH -32 NOT AVAILABLE IN -5 DIAMETER.
4. 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)
5. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "D" DIAMETER.
6. DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.

TABLE II

Table with 4 columns: 2ND DASH NO., MIN. GRIP (INCH, mm), MAX. GRIP (INCH, mm). Rows -2 to -32.

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STANDARD
PLT 5450
SHEET 2 OF 2