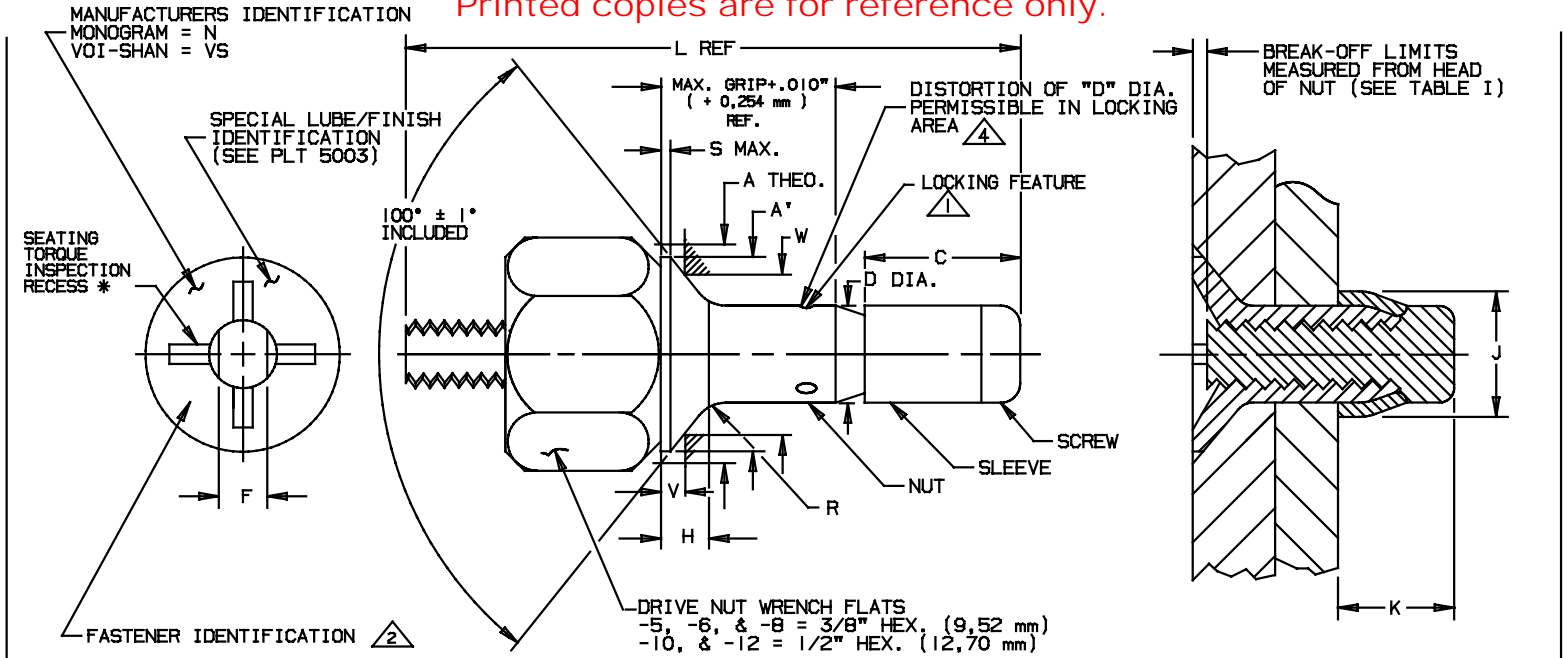


Printed copies are for reference only.



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 5175-5-()	.1635	4,153	.332 .325	8,43 8,25	.296	7,52	.285	7,24	.1645 .1625	4,178 4,128	.086 .081	2,18 2,06	.069	1,75	.244	6,20	.257	6,53	.030 .010	0,77 0,25
PLT 5175-6-()	.1890	4,800	.385 .378	9,78 9,60	.342	8,69	.320	8,13	.1900 .1880	4,826 4,775	.104 .099	2,64 2,52	.081	2,06	.300	7,62	.288	7,31	.030 .015	0,77 0,38
PLT 5175-8-()	.2480	6,299	.507 .499	12,88 12,67	.463	11,76	.365	9,27	.2490 .2470	6,325 6,274	.135 .130	3,43 3,30	.107	2,72	.384	9,76	.320	8,13	.030 .015	0,77 0,38
PLT 5175-10-()	.3105	7,887	.635 .626	16,13 15,90	.577	14,66	.440	11,18	.3115 .3095	7,912 7,861	.152 .147	3,86 3,73	.134	3,40	.427	10,85	.396	10,06	.040 .020	1,02 0,51
PLT 5175-12-()	.3735	9,487	.762 .752	19,35 19,10	.696	17,68	.525	13,34	.3745 .3725	9,512 9,462	.185 .180	4,70 4,57	.160	4,06	.516	13,11	.473	12,01	.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 5175-5-()	.012	0,30	.0276 .0238	0,701 0,605	.2671 .2667	6,784 6,774	+0,020 -0,068	+0,51 -1,73	-2	.168 .165	4,27 4,19	1.0	0,113	3150	14010	900	4000
PLT 5175-6-()	.015	0,38	.0299 .0259	0,759 0,658	.3147 .3143	7,993 7,983	+0,015 -0,073	+0,38 -1,85	-2	.193 .190	4,90 4,82	1.5	0,170	4200	18680	1400	6200
PLT 5175-8-()	.015	0,38	.0353 .0307	0,897 0,800	.4245 .4241	10,782 10,772	+0,010 -0,078	+0,25 -1,98	-3	.252 .249	6,40 6,32	2.5	0,282	7200	32020	2100	9300
PLT 5175-10-()	.020	0,51	.0409 .0357	1,039 0,907	.5389 .5385	13,688 13,678	+0,010 -0,083	+0,25 -2,11	-4	.315 .312	8,00 7,92	3.5	0,400	11350	50480	3600	16000
PLT 5175-12-()	.023	0,58	.0466 .0407	1,184 1,033	.6532 .6528	16,591 16,581	+0,010 -0,093	+0,25 -2,36	-4	.378 .375	9,60 9,52	4.0	0,452	16450	73170	5600	24900

Fairchild
 CODE IDENT. NO.
 92215

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

MONOGRAM
 CODE IDENT. NO.
 98524

APPROVED DATE
 5-14-87 ECN 4951
 REV. LETTER AND DATE
 "C" 12-15-92

TITLE
 VISU-LOK® II FASTENER, BLIND
 100° FLUSH TENSION HEAD, SELF-LOCKING
 75 KSI SHEAR TITANIUM ALLOY

STANDARD
 PLT 5175
 SHEET 1 OF 2



TABLE II

SECOND DASH NUMBER	GRIP RANGE				G GRIP (a)		L REF.									
	MIN.		MAX.				-5		-6		-8		-10		-12	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
-2	.094	2,39	.156	3,96	.156	3,96	1.166	29,616	1.256	31,902						
-3	.157	3,99	.219	5,56	.219	5,56	1.229	31,217	1.319	33,503	1.416	35,966				
-4	.220	5,59	.281	7,14	.281	7,14	1.291	32,791	1.381	35,077	1.478	37,541	1.833	46,558	2.022	51,359
-5	.282	7,16	.344	8,74	.344	8,74	1.354	34,392	1.444	36,678	1.541	39,141	1.896	48,158	2.085	52,959
-6	.345	8,76	.406	10,31	.406	10,31	1.416	35,966	1.506	38,252	1.603	40,716	1.958	49,733	2.147	54,534
-7	.407	10,34	.469	11,91	.469	11,91	1.479	37,567	1.569	39,853	1.666	42,316	2.021	51,333	2.210	56,134
-8	.470	11,94	.531	13,49	.531	13,49	1.541	39,141	1.631	41,427	1.728	43,891	2.083	52,908	2.272	57,709
-9	.532	13,51	.595	15,11	.595	15,11	1.604	40,742	1.694	43,028	1.791	45,491	2.146	54,508	2.335	59,309
-10	.595	15,11	.656	16,66	.656	16,66	1.666	42,316	1.756	44,602	1.853	47,066	2.208	56,083	2.397	60,884
-11	.657	16,69	.719	18,26	.719	18,26	1.729	43,917	1.819	46,203	1.916	48,666	2.271	57,683	2.460	62,484
-12	.720	18,29	.781	19,84	.781	19,84	1.791	45,491	1.881	47,777	1.978	50,241	2.333	59,258	2.522	64,059
-13	.782	19,86	.844	21,44	.844	21,44	1.854	47,092	1.944	49,378	2.041	51,841	2.396	60,858	2.585	65,659
-14	.845	21,46	.906	23,01	.906	23,01	1.916	48,666	2.006	50,952	2.103	53,416	2.458	62,433	2.647	67,234
-15	.907	23,04	.969	24,61	.969	24,61	1.979	50,267	2.069	52,553	2.166	55,016	2.521	64,033	2.710	68,834
-16	.970	24,64	1.031	26,19	1.031	26,19	2.041	51,841	2.131	54,127	2.228	56,591	2.583	65,608	2.772	70,409
-17	1.032	26,21	1.094	27,79	1.094	27,79			2.194	55,728	2.291	58,191	2.646	67,208	2.835	72,009
-18	1.095	27,81	1.156	29,36	1.156	29,36			2.256	57,302	2.353	59,766	2.708	68,783	2.897	73,584
-19	1.157	29,39	1.219	30,96	1.219	30,96			2.319	58,903	2.416	61,366	2.771	70,383	2.960	75,184
-20	1.220	30,99	1.281	32,54	1.281	32,54			2.381	60,477	2.478	62,941	2.833	71,958	3.022	76,759
-21	1.282	32,56	1.344	34,14	1.344	34,14			2.444	62,078	2.541	64,541	2.896	73,558	3.085	78,359
-22	1.345	34,16	1.406	35,71	1.406	35,71			2.506	63,652	2.603	66,116	2.958	75,133	3.147	79,934
-23	1.407	35,74	1.469	37,31	1.469	37,31			2.569	65,253	2.666	67,716	3.021	76,733	3.210	81,534
-24	1.470	37,34	1.531	38,89	1.531	38,89			2.631	66,827	2.728	69,291	3.083	78,308	3.272	83,109
-25	1.532	38,91	1.594	40,49	1.594	40,49			2.694	68,428	2.791	70,891	3.146	79,908	3.335	84,709
-26	1.595	40,51	1.656	42,06	1.656	42,06			2.756	70,002	2.853	72,466	3.208	81,483	3.397	86,284
-27	1.657	42,09	1.719	43,66	1.719	43,66			2.819	71,603	2.916	74,066	3.271	83,083	3.460	87,884
-28	1.720	43,69	1.781	45,24	1.781	45,24			2.881	73,177	2.978	75,641	3.333	84,658	3.522	89,459
-29	1.782	45,26	1.844	46,84	1.844	46,84			2.944	74,778	3.041	77,241	3.396	86,258	3.585	91,059
-30	1.845	46,86	1.906	48,41	1.906	48,41			3.006	76,352	3.103	78,816	3.458	87,833	3.647	92,634
-31	1.907	48,44	1.969	50,01	1.969	50,01			3.069	77,953	3.166	80,416	3.521	89,433	3.710	94,234
-32	1.970	50,04	2.031	51,59	2.031	51,59			3.131	79,527	3.228	81,991	3.583	91,008	3.772	95,809

(a) "G" TOLERANCES: FOR -5 & -6 SIZES $\begin{matrix} +.030 & (+.072) \\ -.010 & (-.0254) \end{matrix}$; FOR -8 & -10 SIZES $\begin{matrix} +.040 & (+.1,016) \\ -.010 & (-.0,254) \end{matrix}$; FOR -12 SIZES $\begin{matrix} +.050 & (+.1,270) \\ -.010 & (-.0,254) \end{matrix}$

PROCUREMENT SPECIFICATIONS:

PLT 5000, CLASS 5, TYPE I

MATERIAL: NUT & SCREW: 6AL-4V TITANIUM PER AMS 4928 OR AMS 4967 303 OR 304 CORROSION RESISTANT STEEL PER AMS 5639 OR AMS 5641 OR A-286 PER AMS 5731, AMS 5732 OR AMS 5737
 SLEEVE: MILD STEEL
 DRIVE NUT: MILD STEEL

HEAT TREAT: NUT & SCREW: HEAT TREAT PER MIL-H-81200 TO 95 KSI F_{0.2} MINIMUM. MAX. HYDROGEN 125 PPM.
 SLEEVE: AS REQUIRED FOR PERFORMANCE
 DRIVE NUT: AS REQUIRED FOR PERFORMANCE

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

"AD" NUT: ANODIZE PER AMS 2488, TYPE II
 SCREW: NONE
 SLEEVE: PASSIVATE PER QQ-P-35 (MIL-S-5002)
 DRIVE NUT: CORROSION RESISTANT COATING. COLOR GRAY

"X" NUT: IVD ALUMINUM COAT PER MIL-C-83488 CLASS 3, TYPE II
 SCREW: KAL-GARD ANN-RO #1012 OPTIONAL
 SLEEVE: PASSIVATE PER QQ-P-35 (MIL-S-5002)
 DRIVE NUT: KAL-GARD ANN-RO #1013 OPTIONAL CORROSION RESISTANT COATING. COLOR GRAY

LUBRICATION:

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

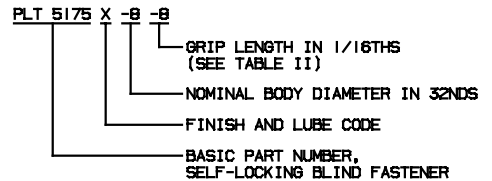
(X): NUT: CARBRO WAX, PARAFFIN WAX, TIOLON A-20, TIOLON X-20, OR CETYL ALCOHOL AS REQUIRED FOR PERFORMANCE (CLEAR TO WHITE)

SCREW & SLEEVE: LUBRICANTS USED ON SLEEVES AND SCREWS MUST NOT CONTAIN SULFIDES (e.g. MoS₂) 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

GENERAL NOTES:

- 1 LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT
- 2 FASTENER IDENTIFICATION:
 "5175" IN TWO QUADRANTS. OPTIONAL HEAD MARKING FOR -5, -10, AND -12 SIZES "5170" IN TWO QUADRANTS
- 3 HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS
 EXAMPLE: PLT 5175-5-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 16THS (.281" = 7.14 mm). THE GRIP RANGE FOR THESE HALF GRIP SIZES WILL BE NOMINAL GRIP +.031/-0.030. (+.0,79/-0,79 mm)
- 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)

PART CODE EXAMPLE:



Fairchild
CODE IDENT. NO. 92215
APPROVED DATE 5-14-87 ECN 4951
REV. LETTER AND DATE "C" 12-15-92

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

MONOGRAM
CODE IDENT. NO. 98524
STANDARD
PLT 5175
SHEET 2 OF 2

TITLE
 VISU-LOK® II FASTENER, BLIND
 100° FLUSH TENSION HEAD, SELF-LOCKING
 75 KSI SHEAR TITANIUM ALLOY