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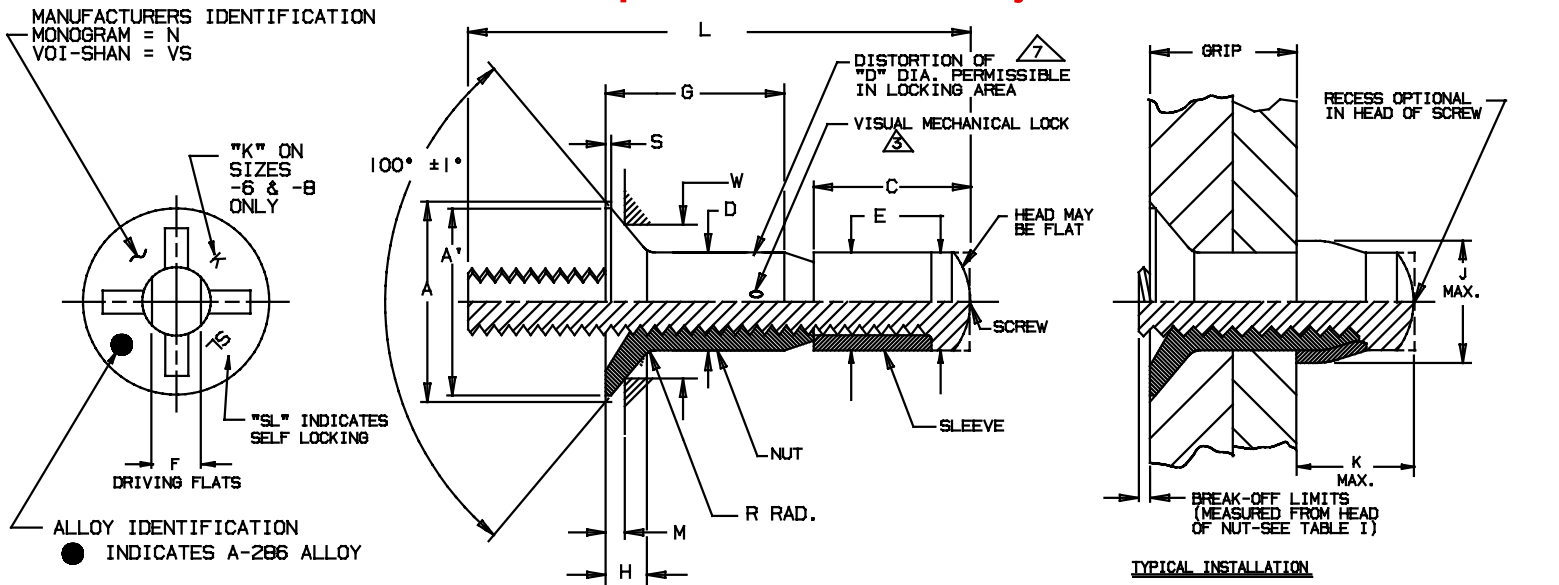


TABLE I

PART NUMBER	NOM. DIA.		A DIA. THEO.		A' DIA. MIN.		C MAX.		D DIA.		E DIA. MAX.		F FLATS		H REF.		J DIA. MAX.		K MAX.	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
PLT125(**)-5-(*)	.1635	4,15	.332 .325	8,43 8,25	.296	7,52	.268	6,81	.1645 .1625	4,178 4,128	.1620	4,12	.086 .081	2,18 2,06	.069	1,75	.244	6,20	.267	6,79
PLT125(**)-6-(*)	.1890	4,80	.385 .378	9,78 9,60	.342	8,69	.303	7,70	.1900 .1880	4,826 4,775	.1875	4,77	.104 .099	2,64 2,51	.081	2,06	.300	7,62	.302	7,68
PLT125(**)-8-(*)	.2480	6,30	.507 .499	12,88 12,67	.463	11,76	.354	9,00	.2490 .2470	6,325 6,274	.2465	6,27	.135 .130	3,43 3,30	.107	2,72	.384	9,75	.346	8,79
PLT125(**)-10-(*)	.3105	7,89	.635 .626	16,13 15,90	.577	14,66	.423	10,75	.3115 .3095	7,912 7,861	.3090	7,85	.152 .147	3,86 3,73	.134	3,40	.427	10,85	.414	10,52
PLT125(**)-12-(*)	.3735	9,49	.762 .752	19,35 19,10	.696	17,68	.510	12,96	.3745 .3725	9,512 9,462	.3720	9,45	.185 .180	4,70 4,57	.160	4,06	.516	13,11	.470	11,94

TABLE I (CONT.)

PART NUMBER	M GAGE PROT.		R RAD.		S MAX.		W GAGE DIA.		BREAK-OFF LIMITS		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-LBS	Nm	LBS.	N	LBS.	N
PLT125(**)-5-(*)	.0276 .0238	0,701 0,604	.030 .010	0,76 0,25	.012 0,30	.2671 .2667	6,784 6,774	+.082 -.006	+2,09 -0,16	.168 .165	4,27 4,19	1.0	0,113	3150	14000	900	4000	
PLT125(**)-6-(*)	.0299 .0259	0,760 0,658	.030 .015	0,76 0,38	.015 0,38	.3147 .3143	7,993 7,983	+.072 -.016	+1,83 -0,41	.193 .190	4,90 4,82	1.5	0,170	4200	18600	1400	6230	
PLT125(**)-8-(*)	.0353 .0307	0,897 0,780	.030 .015	0,76 0,38	.015 0,38	.4245 .4241	10,782 10,772	+.072 -.026	+1,83 -0,67	.252 .249	6,40 6,32	2.5	0,282	7200	32000	2100	9340	
PLT125(**)-10-(*)	.0409 .0357	1,039 0,907	.040 .020	1,02 0,51	.020 0,51	.5389 .5385	13,688 13,678	+.072 -.031	+1,83 -0,79	.315 .312	8,00 7,92	3.5	0,400	11350	50500	3600	16010	
PLT125(**)-12-(*)	.0466 .0407	1,184 1,034	.040 .020	1,02 0,51	.023 0,58	.6532 .6528	16,591 16,581	+.072 -.031	+1,83 -0,79	.378 .375	9,60 9,52	4.0	0,452	16450	73200	5600	24910	

(*) SEE TABLE II FOR SECOND DASH NUMBER AND APPROVED CALLOUT.
 (**) DESIGNATES FINISH; SEE PART CODE EXAMPLE AND FINISH CALLOUT.

PART CODE EXAMPLE:

PLT125 A B - 8

- GRIP LENGTH IN 16THS (SEE TABLE II).
- NOMINAL BODY DIAMETER AS TABULATED.
- FINISH (SEE FINISH CALLOUT).
- BASIC CODE, SELF-LOCKING BLIND FASTENER.

Fairchild

CODE IDENT. NO.
 92215

MONOGRAM

CODE IDENT. NO.
 98524

U.S. PATENT NO. 3643544, OTHER PATENTS PENDING.

APPROVED DATE

27 JANUARY 1972

REV. LETTER AND DATE

Ⓜ 12-12-94

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TITLE
 VISU-LOK, FASTENER, BLIND INTERNALLY THREADED, EXTERNAL SLEEVE HIGH TEMPERATURE (A-286 ALLOY) 100° FLUSH HEAD, SELF LOCKING FRACTIONAL DIAMETER

STANDARD

PLT 125

SHEET 1 OF 2



TABLE II

SECOND DASH NUMBER	GRIP RANGE				G GRIP (a)		L REF.									
	MIN.		MAX.		INCH	mm	-5		-6		-8		-10		-12	
	INCH	mm	INCH	mm			INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
-2	.094	2,39	.156	3,96	.156	3,96	.795	20,19	.916	23,27						
-3	.157	3,99	.219	5,56	.219	5,56	.858	21,80	.978	24,84	1.006	25,557				
-4	.220	5,59	.281	7,14	.281	7,14	.920	23,37	1.041	26,44	1.069	27,153	1.221	31,013	1.304	33,122
-5	.282	7,16	.344	8,74	.344	8,74	.983	24,97	1.103	28,016	1.131	28,727	1.283	32,588	1.367	34,722
-6	.345	8,76	.406	10,31	.406	10,31	1.045	26,543	1.166	29,616	1.194	30,328	1.346	34,188	1.429	36,230
-7	.407	10,34	.469	11,91	.469	11,91	1.108	28,143	1.228	31,191	1.256	31,902	1.408	35,763	1.492	36,897
-8	.470	11,94	.531	13,49	.531	13,49	1.170	29,718	1.291	32,791	1.319	33,503	1.471	37,363	1.554	39,472
-9	.532	13,51	.594	15,11	.594	15,11	1.233	31,318	1.353	34,366	1.381	35,077	1.533	38,938	1.617	41,072
-10	.595	15,11	.656	16,66	.656	16,66	1.295	32,893	1.416	35,966	1.444	36,678	1.596	40,538	1.679	42,647
-11	.657	16,69	.719	18,26	.719	18,26	1.358	34,493	1.478	37,541	1.506	38,252	1.658	42,113	1.742	44,247
-12	.720	18,29	.781	19,84	.781	19,84	1.420	36,068	1.541	39,141	1.569	39,853	1.721	43,713	1.804	45,822
-13	.782	19,86	.844	21,44	.844	21,44	1.483	37,668	1.603	40,716	1.631	41,427	1.783	45,288	1.867	47,422
-14	.845	21,46	.906	23,01	.906	23,01	1.545	39,243	1.666	42,316	1.694	43,028	1.846	46,888	1.929	48,997
-15	.907	23,04	.969	24,61	.969	24,61	1.608	40,843	1.728	43,891	1.756	44,602	1.908	48,463	1.992	50,597
-16	.970	24,64	1.031	26,19	1.031	26,19	1.670	42,418	1.791	45,491	1.819	46,203	1.971	50,063	2.054	52,172
-17	1.032	26,21	1.094	27,79	1.094	27,79			1.853	47,066	1.881	47,777	2.033	51,638	2.117	53,772
-18	1.095	27,81	1.156	29,36	1.156	29,36			1.916	50,241	1.944	49,378	2.096	53,238	2.179	55,347
-19	1.157	29,39	1.219	30,96	1.219	30,96			1.978	51,816	2.006	50,952	2.158	54,813	2.242	56,947
-20	1.220	30,99	1.281	32,54	1.281	32,54			2.041	53,414	2.069	52,553	2.221	56,413	2.304	58,522
-21	1.282	32,56	1.344	34,14	1.344	34,14			2.103	55,016	2.131	54,127	2.283	57,988	2.367	60,122
-22	1.345	34,16	1.406	35,71	1.406	35,71			2.166	56,591	2.194	55,728	2.346	59,588	2.429	61,697
-23	1.407	35,74	1.469	37,31	1.469	37,31			2.228	58,191	2.256	57,302	2.408	61,163	2.492	63,297
-24	1.470	37,34	1.531	38,89	1.531	38,89			2.291	58,191	2.319	58,903	2.471	62,763	2.554	64,872
-25	1.532	38,91	1.594	40,49	1.594	40,49			2.353	59,766	2.381	60,477	2.533	64,338	2.617	66,472
-26	1.595	40,51	1.656	42,06	1.656	42,06			2.416	61,366	2.444	62,078	2.596	65,938	2.679	68,047
-27	1.657	42,09	1.719	43,66	1.719	43,66			2.478	62,941	2.506	63,652	2.658	67,513	2.742	69,647
-28	1.720	43,69	1.781	45,24	1.781	45,24			2.541	64,541	2.569	65,253	2.721	69,113	2.804	71,222
-29	1.782	45,26	1.844	46,84	1.844	46,84			2.603	66,116	2.631	66,827	2.783	70,688	2.867	72,822
-30	1.845	46,86	1.906	48,41	1.906	48,41			2.666	67,716	2.694	68,428	2.846	72,288	2.929	74,397
-31	1.907	48,44	1.969	50,01	1.969	50,01			2.728	69,291	2.756	70,002	2.908	73,863	2.992	75,997
-32	1.970	50,04	2.031	51,59	2.031	51,59			2.791	70,891	2.819	71,603	2.971	75,463	3.054	77,572

(a) "G" TOLERANCES: FOR -5 & -6 SIZES $+0.030$ ($+0.77$); FOR -8 & -10 SIZES $+0.040$ ($+1.02$); FOR -12 SIZE $+0.050$ ($+1.27$)
 -0.010 (-0.25); -0.010 (-0.25); -0.010 (-0.25)

PROCUREMENT SPECIFICATION: ESCBB-2 CLASS 2

GENERAL NOTES: (CONTINUE)

MATERIAL: NUT, SCREW & SLEEVE: CORROSION AND HEAT RESISTANT STEEL, TYPE A-286 PER AMS 5731, AMS 5732 AND AMS 5737

HEAT TREAT: NUT & SCREW: SOLUTION HEAT TREATED AND AGED TO A CORE HARDNESS OF Rc 30 TO Rc 45 ALL CORE HARDNESS READINGS ARE TAKEN ON MOUNTED SPECIMEN, USING A BRALE PENETRATOR AND A 30 Kg LOAD (ROCKWELL 30N)

SLEEVE: SOLUTION TREATED

FINISH: NO CODE NUT, SCREW & SLEEVE: PASSIVATED PER MIL-S-5002

"A" CODE NUT, SCREW & SLEEVE: PASSIVATED PER MIL-S-5002, CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2.

LUBRICATION: LUBRICANTS LISTED BELOW MAY BE APPLIED TO ANY OR ALL COMPONENTS IF REQUIRED FOR PERFORMANCE: DRY FILM LUBE M6S2 PER MIL-L-48010 TYPE I OR MIL-L-81329, WMM CARBO-WAX, PARAFFIN WAX AND/OR CETYL ALCOHOL PER MIL-L-87132.

- 4 HEAD MARKING ON NUT DEPRESSED .010 IN. (0.26 mm) MAXIMUM.
- 5 STANDARD FINISHES AND LUBRICANTS ARE SHOWN ABOVE. SEE ESCBB-4 FOR SPECIAL FINISHES AND/OR LUBRICANTS, IF REQUIRED.
- 6 CONCENTRICITY OF NUT HEAD CONICAL SURFACE TO "D" DIAMETER SHALL BE WITHIN .005 IN. (0.13 mm) T.I.R., EXCEPT OVER INDENTATIONS.
- 7 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 MAXIMUM "D" + .001" FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS (22.23 NEWTONS)
- 8 HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS EXAMPLE: PLT125-6-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 16THS (.281" = 7.14mm) THE GRIP RANGE FOR THESE HALF GRIP SIZES WILL BE NOMINAL GRIP +.031/-0.030 (+0.79/-0.76 mm), THE BASIC "G" DIMENSION WILL BE MAXIMUM GRIP ±.031 (±0.79mm) AND THE OVERALL SCREW LENGTH "L" DIMENSION MAY VARY AT THE MANUFACTURER'S OPTION
- 9 STANDARD GRIP LENGTHS ARE SHOWN IN TABLE II, SHORTER OR LONGER GRIPS THAN THOSE LISTED MAY BE AVAILABLE AS SPECIALS. ON GRIP LENGTHS SHORTER THAN THOSE LISTED, THE BREAKOFF LIMITS AND PREVAILING TORQUE VALUES SHOWN IN TABLE I DO NOT APPLY.
- 10 DIMENSIONS "A", "A'" AND "H" ARE FOR ENGINEERING REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR INSPECTION PURPOSES. THESE DIMENSIONS ARE THEORETICAL VALUES DERIVED FROM "D", "S", "M", "W" AND HEAD ANGLE DIMENSIONS.
- 11 DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.

- 1 OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "E" DIAMETER.
- 2 FASTENERS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS.
- 3 LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT AND APPROXIMATELY .040 IN. (1.02 mm) ABOVE THE INTERSECTION OF THE NUT NOSE ANGLE AND O.D. (MEAN GRIP OF FASTENER).

Fairchild
 CODE IDENT. NO.
92215

MONOGRAM
 CODE IDENT. NO.
98524

U.S. PATENT NO. 3643544, OTHER PATENTS PENDING.

APPROVED DATE
 13 NOVEMBER 1970

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TITLE
VISU-LOK, FASTENER, BLIND INTERNALLY THREADED, EXTERNAL SLEEVE HIGH TEMPERATURE (A-286 ALLOY) 100° FLUSH HEAD, SELF LOCKING FRACTIONAL DIAMETER

STANDARD
PLT 125
SHEET 2 OF 2

REV. LETTER AND DATE
 (H) 12-12-94