



TYPICAL INSTALLATION

TABLE I

PART NUMBER	Ø A		Ø A' MIN		Ø D		Ø E MAX		F WRENCH FLATS		(G)		(H)		(L)		R. R MAX		S MAX	(T) HEX ACROSS FLATS		
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
MBF2134-5- ()	.2612 .2564	6.634 6.513	.241	6.12	.167 .166	4.24 4.21	.1640	4.166	.085 .080	2.16 2.03	.017	0.43	.040	1.02	.512	13.00	.030	0.76	.009	0.23	.375	9.52
MBF2134-6- ()	.3016 .2966	7.661 7.534	.270	6.86	.201 .200	5.11 5.08	.1985	5.042	.113 .108	2.87 2.74	.027	0.68	.047	1.19	.575	14.61	.030	0.76	.011	0.28	.375	9.52
MBF2134-7- ()	.3410 .3360	8.661 8.534	.309	7.84	.230 .229	5.84 5.81	.2275	5.778	.121 .116	3.07 2.95	.035	0.89	.047	1.19	.635	16.13	.030	0.76	.011	0.28	.375	9.52
MBF2134-8- ()	.3948 .3898	10.028 9.901	.363	9.22	.262 .261	6.66 6.63	.2595	6.591	.135 .130	3.43 3.30	.055	1.40	.061	1.55	.700	17.78	.030	0.76	.011	0.28	.375	9.52
MBF2134-9- ()	.4364 .4314	11.084 10.957	.405	10.28	.292 .291	7.42 7.39	.2895	7.353	.152 .147	3.86 3.73	.065	1.65	.061	1.55	.815	20.70	.030	0.76	.011	0.28	.500	12.70
MBF2134-10- ()	.4739 .4689	12.037 11.910	.442	11.23	.314 .313	7.98 7.95	.3110	7.899	.152 .147	3.86 3.73	.070	1.78	.068	1.73	.892	22.66	.040	1.02	.014	0.36	.500	12.70
MBF2134-11- ()	.5071 .5021	12.880 12.753	.466	11.83	.346 .345	8.79 8.76	.3433	8.720	.185 .180	4.70 4.57	.075	1.90	.068	1.83	.941	23.90	.040	1.02	.015	0.38	.500	12.70
MBF2134-12- ()	.5604 .5554	14.234 14.107	.529	13.44	.377 .376	9.58 9.55	.3740	9.500	.185 .180	4.70 4.57	.080	2.03	.078	1.96	1.090	27.69	.040	1.02	.016	0.41	.500	12.70

TABLE I (CONTINUED)

PART NUMBER	MINIMUM AVAILABLE GRIP DASH NO.	INSTALLED DIMENSIONS						MECHANICAL PROPERTIES						V (GAGE PROTRUSION)		Ø W (GAGE)			
		RECOM. HOLE SIZE		Ø J MIN		K MAX		BREAK-OFF LIMITS		TENSILE STRUCTURAL FAILURE MIN		DOUBLE SHEAR MIN						LOCKING TORQUE MIN	
		INCH	mm	INCH	mm	INCH	mm	INCH	mm	LBS	N	LBS	N	IN-LBS	N-m	INCH	mm	INCH	mm
MBF2134-5- ()	-150	.166 .165	4.22 4.19	.250	6.35	.300	7.62	+1.03 -0.00	+2.62 -0.00	1400	6230	3770	16770	1.0	0.113	.0265 .0237	0.673 0.602	.1992 .1990	5.060 5.055
MBF2134-6- ()	-150	.200 .199	5.08 5.05	.300	7.62	.350	8.89	+1.03 -0.00	+2.62 -0.00	1600	7120	5500	24460	1.5	0.170	.0246 .0216	0.624 0.548	.2441 .2439	6.200 6.195
MBF2134-7- ()	-150	.299 .228	5.82 5.79	.350	8.89	.400	10.16	+1.03 -0.00	+2.62 -0.00	1600	7120	7250	32250	2.0	0.226	.0247 .0217	0.627 0.551	.2832 .2830	7.193 7.188
MBF2134-8- ()	-150	.261 .260	6.63 6.60	.400	10.16	.450	11.43	+1.03 -0.00	+2.62 -0.00	3000	13350	9400	41810	2.5	0.282	.0271 .0240	0.688 0.609	.3315 .3313	8.420 8.415
MBF2134-9- ()	-150	.291 .290	7.39 7.37	.4520	11.43	.500	12.70	+1.03 -0.00	+2.62 -0.00	3000	13350	11800	52490	3.0	0.339	.0448 .0411	1.137 1.043	.3315 .3313	8.420 8.415
MBF2134-10- ()	-200	.313 .312	7.95 7.92	.475	12.06	.550	13.97	+1.03 -0.00	+2.62 -0.00	5000	22240	13600	60490	3.5	0.400	.0296 .0266	0.752 0.676	.4050 .4048	10.287 10.281
MBF2134-11- ()	-200	.345 .344	8.76 8.74	.525	13.33	.575	14.60	+1.03 -0.00	+2.62 -0.00	5000	22240	16600	73840	4.0	0.452	.0436 .0400	1.107 1.016	.4050 .4048	10.287 10.281
MBF2134-12- ()	-250	.376 .375	9.55 9.52	.575	14.60	.625	15.87	+1.03 -0.00	+2.62 -0.00	7000	31130	19700	87630	4.0	0.452	.0321 .0290	0.815 0.737	.4854 .4852	12.329 12.324

TITLE:

BLIND FASTENER, 100° FLUSH SHEAR HEAD
FOR INTERFERENCE FIT APPLICATIONS IN
METALLIC STRUCTURES,
CRES A286 (90 KSI ULTIMATE SHEAR STRENGTH)

DRAWING NO:

MBF2134()-()-()

DRAWN BY:

A PEREZ

DRAWN DATE:

05/23/14

APPROVED BY:

CHECKED DATE:

APPLICABLE SPECIFICATIONS:
 PROCUREMENT SPECIFICATION: MBF2000
 INSTALLATION AND INSPECTION SPECIFICATION: MBF2003
 SPECIAL LUBE AND FINISH: MBF2002
 PART NUMBER ASSIGNMENT: MBF2005

MATERIAL AND HEAT TREAT:

NUT: CRES A286 PER THE CHEMICAL REQUIREMENTS OF AMS5732. HEAT TREATED AS REQUIRED FOR PERFORMANCE.
 SCREW: INCONEL 718 PER AMS5662, HEAT TREATED TO 125 KSI ULTIMATE SHEAR STRENGTH.
 SLEEVE: CRES 304 PER AMS5639, HEAT TREATED AS REQUIRED FOR PERFORMANCE.
 INSERT: ACETAL PER ASTM D6778.
 DRIVE NUT: MILD STEEL.

FINISH:

NUT: PASSIVATE PER AMS2700. CONVERSION COATING OPTIONAL.
 SCREW: PASSIVATE PER AMS2700. CONVERSION COATING OPTIONAL.
 SLEEVE: PASSIVATE PER AMS2700. CONVERSION COATING OPTIONAL.
 INSERT: NONE
 DRIVE NUT: CORROSION RESISTANT COATING, COLOR BLACK.

LUBRICANT:

THE FOLLOWING LUBRICANTS MAY BE APPLIED TO ANY OR ALL COMPONENTS IN ANY COMBINATION AS REQUIRED FOR PERFORMANCE: SOLID FILM LUBRICANT PER THE CHEMICAL REQUIREMENTS OF AS5272 TYPE I OR EVERLUBE 812 PER MIL-PRF-81329, PARAFFIN WAX AND/OR CETYL ALCOHOL PER AS87132.

GENERAL NOTES:

1. EXAMPLE OF PART NUMBER:
 MBF2134 () - 6 - 200



- 2. LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT AND APPROXIMATELY .040 ABOVE THE INTERSECTION OF THE NUT NOSE ANGLE AND O.D.
- 3. AN "L" IN PLACE OF THE DASH (-) BETWEEN THE DIAMETER DASH NUMBER AND THE GRIP DASH NUMBER DESIGNATES MODIFIED BREAK-OFF LIMITS OF +.053 / -.050. EXAMPLE: MBF2134() - 6L200. AN "LL" DESIGNATES MODIFIED BREAK-OFF LIMITS OF +.003/-.100. EXAMPLE: MBF2134()-6LL200.
- 4. PROPOSED MINIMUM TENSILE STRUCTURAL FAILURE VALUES.
- 5. THESE PARTS ARE INTENDED FOR APPLICATIONS REQUIRING UP TO A .002" DIAMETRAL INTERFERENCE FIT BETWEEN FASTENER SHANK AND STRUCTURE HOLE.
- 6. DISTORTION OF "ØD" PERMISSIBLE IN LOCKING AREA.
- 7. DRIVE NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.
- 8. GRIP DASH NUMBER MARKING LOCATED ON TOP OR SIDE OF DRIVE NUT.

2ND DASH NO. (GRIP)	TABLE II			
	GRIP RANGE			
	MIN GRIP		MAX GRIP	
	INCH	mm	INCH	mm
100	.050	1.27	.100	2.54
150	.100	2.54	.150	3.81
200	.150	3.81	.200	5.08
250	.200	5.08	.250	6.35
300	.250	6.35	.300	7.62
350	.300	7.62	.350	8.89
400	.350	8.89	.400	10.16
450	.400	10.16	.450	11.43
500	.450	11.43	.500	12.70
550	.500	12.70	.550	13.97
600	.550	13.97	.600	15.24
650	.600	15.24	.650	16.51
700	.650	16.51	.700	17.78
750	.700	17.78	.750	19.05
800	.750	19.05	.800	20.32
850	.800	20.32	.850	21.59
900	.850	21.59	.900	22.86
950	.900	22.86	.950	24.13
1000	.950	24.13	1.000	25.40
1050	1.000	25.40	1.050	26.67
1100	1.050	26.67	1.100	27.94
1150	1.100	27.94	1.150	29.21



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TITLE:
 BLIND FASTENER, 100° FLUSH SHEAR HEAD
 FOR INTERFERENCE FIT APPLICATIONS IN
 METALLIC STRUCTURES,
 CRES A286 (90 KSI ULTIMATE SHEAR STENGTH)

DRAWING NO: MBF2134()-()-()	
DRAWN BY: A PEREZ	DRAWN DATE: 05/23/14
APPROVED BY:	CHECKED DATE:

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