

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION: ML-F-8975

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

Form Approved
OMB No 0704-0188

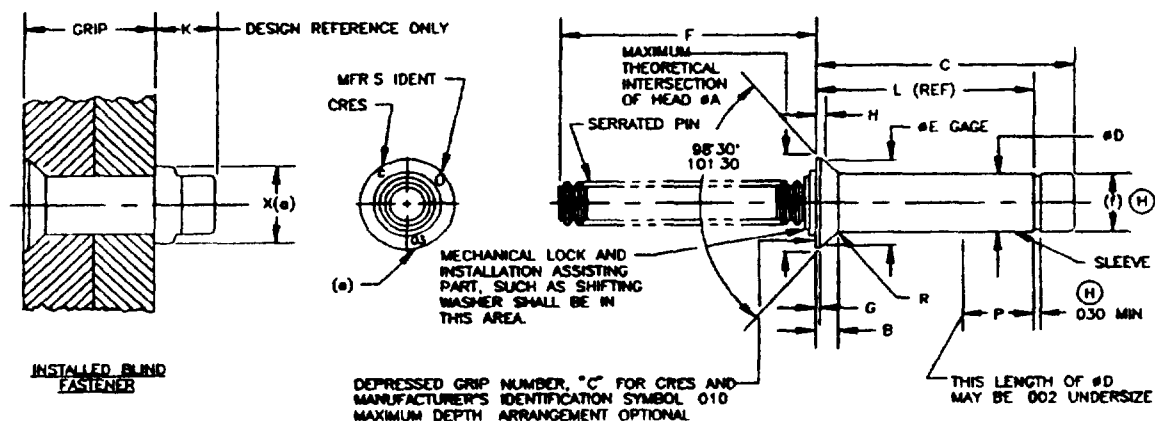


TABLE 1 FASTENER DIMENSIONS AND STRENGTHS

SIZE DASH NUMBER (b)			NOM SIZE	#A	B	#D	#E	F	G	H	K		P	R	X	INSTALLED FASTENER		(H)	
DOUBLE ACTION	SINGLE ACTION										MIN ULTIMATE SINGLE SHEAR (LBS)	MIN ULTIMATE TENSILE (LBS)							
	(c)	(c)														(d)	MAX		GAGE
X	-05	S05	U05	5/32	334	074	164 182	2832 2830	.844	011	.0208 0171	202	.120	215	010	195	1980	1150	167 164
X	-06	S06	U06	3/16	387	.082	198 187	3272 3270	875	013	.0243 0205	.231	146	250	015	238	2925	1680	202 199
-	-08	U08		1/4	508	108	260 258	4320 4318	1 000	017	.0310 0270	279	188	305	020	315	5000	2900	263 260
-	-10	U10		5/16	635	140	312 310	5451 5449	1 218	020	.0367 0325	319	224	350	.025	373	7200	4170	315 312
-	-12	U12		3/8	763	168	374 372	8582 8580	1 562	023	.0428 0380	364	264	405	030	448	10380	5970	377 374

- (a) MAXIMUM DIAMETER OF BLIND HEAD (X) SHALL NOT EXCEED MAXIMUM DIAMETER OF MANUFACTURED HEAD (A)
- (b) SIZES "05" AND "06" WITH "-" ARE INSTALLED WITH A DOUBLE ACTION TOOL. ALL OTHER SIZES ARE INSTALLED WITH A SINGLE ACTION TOOL. SIZES "U05" AND "U06" MAY BE INSTALLED WITH A DOUBLE OR SINGLE ACTION TOOL. SEE AMENDMENT 2 OF MIL-F-8975 FOR TOOL SELECTION CHART
- (c) -05 -06 S05-S06, -08, -10, AND -12 ARE INACTIVE FOR NEW DESIGN AFTER 1 JAN 91. USE U05 U06, S05 AND S06
- (d) LETTER "U" SIGNIFIES SINGLE ACTION FASTENER WITHOUT FRANGIBLE TYPE OF LOCKING COLLAR OR LOCKING COLLAR CAP. "U" AND "S" CODE FASTENERS IN SIZES "05" AND "06" ARE COLOR IDENTIFIED GREEN ON LOCKING COLLAR, SHIFTING WASHER OR SERRATED PIN. "S" CODE FASTENERS MAY BE SUPPLIED WITH A LOCKING COLLAR CAP
- (e) SINGLE DIGIT MARKING IS PERMISSIBLE FOR GRIP DASH NUMBERS LESS THAN 10
- (f) DIAMETER OF SERRATED PIN HEAD SHALL NOT EXCEED "#D" MAX AND MAY BE .002 BELOW "#D" MIN IN AREA "P" ONLY

(H) DENOTES CHANGE(S)

INCH - POUND

PREPARING ACTIVITY DLA - IS CUSTODIANS ARMY - AV NAVY - AS AIR FORCE - 99 DLA - REVIEW MI, 82 USER PROJECT NUMBER 5320-0807 DISTRIBUTION STATEMENT	MILITARY SPECIFICATION SHEET TITLE FASTENER, BLIND, HIGH STRENGTH, PULL TYPE, POSITIVE MECHANICAL LOCK, 100° FLUSH HEAD, CORROSION RESISTING STEEL, 95 KSI F _u	SPECIFICATION SHEET NUMBER MS21140 31 MAR 1994 REV H SUPERSEDING MS21140 G 24 DEC 90 AMSC- N/A FSC 5320
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PREVIOUS EDITIONS ARE OBSOLETE

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REQUIREMENTS

1 MATERIAL

SLEEVE CORROSION RESISTING STEEL PER CHEMICAL REQUIREMENTS OF AMS5737 (A286)
SERRATED PIN CORROSION RESISTING STEEL PER CHEMICAL REQUIREMENTS OF AMS5737 (A286)
MECHANICAL LOCK CORROSION RESISTING STEEL PER CHEMICAL REQUIREMENTS OF AMS5737 OR TYPE 316 CRES CONFORMING TO THE CHEMICAL REQUIREMENTS OF AMS5690

2 PROTECTIVE TREATMENT

SLEEVE PASSIVATION PER QQ-P-35, OR CADMIUM PLATED PER QQ-P-416 TYPE II, (CLEAR DICHROMATE), CLASS 2
SERRATED PIN PASSIVATION PER QQ-P-35
MECHANICAL LOCK PASSIVATION PER QQ-P-35

3 LUBRICATION WHEN LUBRICATED, PARTS SHALL BE LUBRICATED PER MIL-L-46010 TYPE I OR MIL-L-87132

4 HOLE PREPARATION SEE MS33522 EXCEPT FOR HOLE SIZE SHOWN IN MIL-F-8975

(H) 5 EXAMPLE OF PART NUMBER. (FOR INACTIVE CODES SEE SHEET 1 FOOTNOTE (c))

MS21140 - 0803P = 1/4 DIA. NOM SIZE, 156 MM GRIP, CADMIUM PLATED, INSTALLED WITH A SINGLE ACTION TOOL

- "P" DENOTES CADMIUM PLATING
- NO CODE DENOTES PASSIVATION TREATMENT
- GRIP RANGE (SEE TABLE II)
- SIZE DASH NUMBER (SEE TABLE I)
- DENOTES FASTENERS INSTALLED WITH A DOUBLE ACTION TOOL FOR SIZES 05 AND 06
- DENOTES FASTENERS INSTALLED WITH A SINGLE ACTION TOOL FOR SIZES 08, 10, AND 12
- 'S' DENOTES FASTENERS INSTALLED WITH A SINGLE ACTION TOOL FOR SIZES 05 AND 06
- 'U' DENOTES SINGLE ACTION TOOL FASTENERS INSTALLED WITH A SINGLE ACTION TOOL FOR ALL SIZES (SEE SHEET 1, FOOTNOTE(d))
- MS NUMBER

NOTES

- 1 DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMALS ± 0.10
- (H) 2 IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE
- (H) 3 UNLESS OTHERWISE SPECIFIED ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION

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