

FED. SUPPLY CLASS

5320

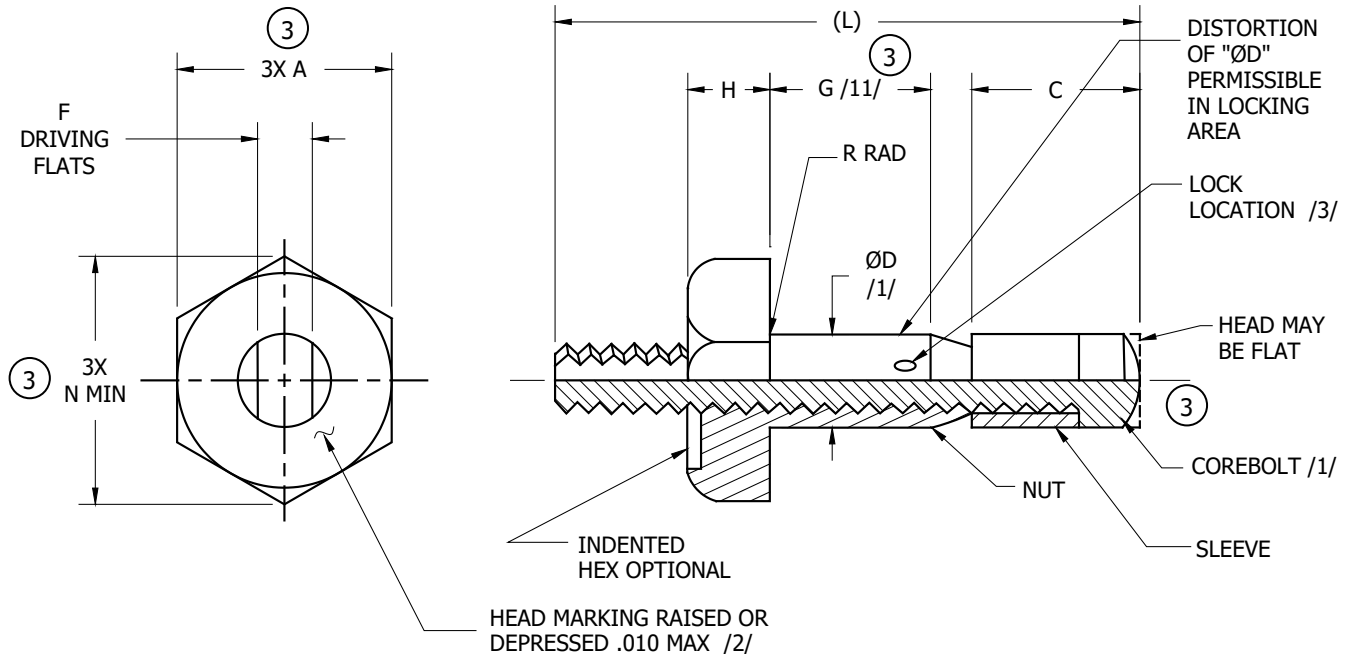


FIGURE 1 – BLIND FASTENER

TABLE I – DIMENSIONS

BODY DIA	NOM DIA	A	C MAX	ØD	F DRIVING FLATS	H MAX	ØJ MAX	K MAX	N MIN	R RAD	DOUBLE SHEAR LBF MIN	TENSILE STRENGTH LBF MIN
05	.1635	.250 .244	.287	.1645 .1625	.086 .081	.096	.244	.272	.272	.020 .010	3,960	1,150
06	.1980	.312 .305	.326	.1990 .1970	.104 .099	.113	.300	.315	.340	.025 .015	5,850	1,690
08	.2590	.375 .367	.360	.2600 .2580	.135 .130	.135	.384	.356	.409	.025 .015	10,000	2,900
10	.3105	.437 .429	.440	.3115 .3095	.152 .147	.160	.427	.420	.479	.030 .015	14,400	4,170
12	.3735	.500 .491	.539	.3745 .3725	.185 .180	.190	.516	.495	.548	.030 .015	20,760	5,970

MATERIAL:

NUT: NUT MATERIAL SHALL BE A286 CRES (UNS S66286) IN ACCORDANCE WITH AMS5735 AMS5732 OR AMS5737.

3

COREBOLT: COREBOLT MATERIAL SHALL BE A286 CRES (UNS S66286) IN ACCORDANCE WITH AMS5735 AMS5732, AMS5737, OR AMS5731; OR NICKEL ALLOY 718 (UNS N07718) IN ACCORDANCE WITH AMS5562.

SLEEVE: SLEEVE MATERIAL SHALL BE A286 CRES (UNS S66286) IN ACCORDANCE WITH AMS5735 AMS5732, AMS5737, OR AMS5731; OR NICKEL ALLOY X-750 (UNS N07750) IN ACCORDANCE WITH AMS5667 OR AMS5582.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-F-8975/4 REVISION A, AMENDMENT 1. PART NUMBERS REMAIN M8975/4.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION NASM8975	TITLE FASTENER, BLIND, HIGH STRENGTH, CORROSION RESISTANT AND HEAT RESISTANT STEEL, PROTRUDING HEAD, TYPE II, CLASS 1	CLASSIFICATION PART STANDARD NASM8975/4 SHEET 1 OF 3

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HEAT TREATMENT:

THE NUT AND COREBOLT SHALL BE HEAT TREATED TO NOT LESS THAN 30 HRC.

FINISH:

THE FASTENER SHALL BE PASSIVATED IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.

LUBRICATION:

③

LUBRICANTS MAY BE APPLIED TO ANY OR ALL COMPONENTS IF REQUIRED FOR PERFORMANCE. LUBRICANTS SHALL BE DRY FILM LUBRICANT IN ACCORDANCE WITH AS5272, TYPE I OR TYPE III, CETYL ALCOHOL, LAURIC ACID, OR NON DRY FILM LUBRICANT.

CODE:

③ M8975/4 - 05 - 16

BASIC NUMBER — SECOND DASH NUMBER (TABLE II):
GRIP LENGTH
— FIRST DASH NUMBER (TABLE I)
BODY DIAMETER

EXAMPLE OF PART NUMBER:

③

M8975/4-05-16 = FASTENER, BLIND, HIGH STRENGTH, CORROSION RESISTANT AND HEAT RESISTANT STEEL, PROTRUDING HEAD, TYPE II, CLASS 1, Ø.1635, 1.670 LONG, PASSIVATED.

NOTES:

- /1/ OUTSIDE DIAMETER OF HEAD OF COREBOLT AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "ØD".
- /2/ HEAD MARKING SHALL CONSIST OF THE MANUFACTURER'S PART NUMBER AND IDENTIFICATION SYMBOL.
- /3/ CONCENTRICITY OF NUT HEAD SURFACE TO "ØD" SHALL BE WITHIN .005 FIM EXCEPT OVER LOCKING FEATURE.
- (4) DESIGN AND USAGE LIMITATIONS: THESE BLIND FASTENERS SHALL BE USED IN ACCORDANCE WITH THE LIMITATIONS OF NASM8975/1.
- (5) FOR TOOLING INSTALLATION AND REMOVAL, SEE NASM8975 APPENDIX B.
- (6) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- ③ (9) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- ③ /11/ GRIP TOLERANCE FOR "05" & "06" +.030/-.010; FOR "08" & "10" +.040/-.010; FOR "12" +.050/-.010.

REVISION

3

NASM8975/4
SHEET 2



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