

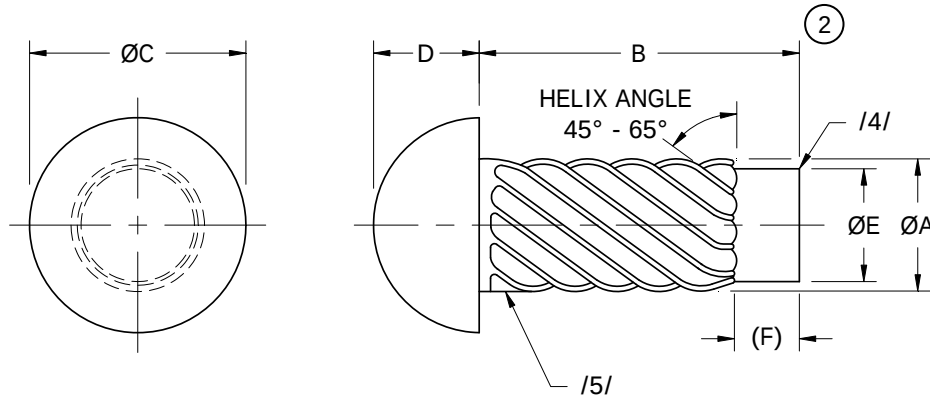


TABLE I – DIMENSIONS /5/

NOMINAL SIZE	THREADS IN CIRCUMFERENCE	TABLE 1 - DIMENSIONS (IN)								RECOMMENDED HOLE SIZE	DRILL SIZE
		ØA BODY /3/		ØC HEAD /3/		D HEAD /3/		ØE PILOT /3/			
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
#00 (.058)	6	.060	.057	.099	.090	.034	.026	.049	.046	.052	55
#0 (.073)	6	.075	.072	.127	.118	.049	.041	.063	.060	.067	51
#2 (.098)	8	.100	.097	.162	.146	.069	.059	.083	.080	.086	44
#4 (.114)	7	.116	.112	.211	.193	.086	.075	.096	.092	.104	37
#6 (.138)	7	.140	.136	.260	.240	.103	.091	.116	.112	.120	31
#7 (.152)	8	.154	.150	.285	.264	.111	.099	.126	.122	.136	29
#8 (.164)	8	.167	.162	.309	.287	.120	.107	.136	.132	.144	27
#10 (.179)	8	.182	.177	.359	.334	.137	.123	.150	.146	.161	20
#12 (.209)	8	.212	.206	.408	.382	.153	.139	.177	.173	.191	11
#14 (.239)	9	.242	.236	.457	.429	.170	.155	.202	.198	.221	2

MATERIAL:

STEEL SHALL BE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

FINISH:

CADMIUM PLATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

CODE:

THE MS PART NUMBER CONSISTS OF THE MS NUMBER, PLUS A DASH NUMBER FROM TABLE II.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21318, REVISION A. PART NUMBERS REMAIN MS21318.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-S-107	TITLE SCREW, DRIVE, ROUND HEAD, TYPE U, STEEL, CARBON, CADMIUM PLATED	CLASSIFICATION PART STANDARD
		MSM21318 SHEET 1 OF 3

EXAMPLE OF PART NUMBER:

MS21318-1

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /3/ SYMBOLS THAT HAVE BEEN CHANGED TO AGREE WITH ASME B18.6.3.
- /4/ THE BLUNT END OF THE PILOT, AS ILLUSTRATED ABOVE, MAY HAVE A SLIGHT ANGLE, DUE TO THE NATURAL FLOW OF MATERIAL IN THE CUT-OFF PROCESS.
- /5/ METALLIC SCREW DRIVES SHALL HAVE FULLY FORMED THREADS EXTENDING FROM BASE OF PILOT TO THE HEAD EXCEPT THAT THREADS AT THE STARTING END AND UNDER THE HEAD MAY BE INCOMPLETE FOR A LENGTH EQUAL TO ONE-HALF OF THE MAXIMUM SCREW DIAMETER, DUE TO THE NATURAL FLOW OF MATERIAL IN THE THREAD FORMING OPERATION.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (7) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (8) THESE DRIVE SCREWS ARE NOT RECOMMENDED FOR USE IN MATERIAL THE THICKNESS OF WHICH IS LESS THAN ONE DIAMETER OF THE SCREW.
- (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.

TABLE II – DASH NUMBERS

B LENGTH /3/	LENGTH TOL	(F) PILOT /3/	#00 (.058)	#0 (.073)	#2 (.098)	#4 (.114)	#6 (.138)	#7 (.152)	#8 (.164)	#10 (.179)	#12 (.209)	#14 (.239)
DASH NUMBERS												
1/8	±1/64	3/64	1	7	13	19	—	—	—	—	—	—
3/16		3/64	2	8	14	20	—	—	—	—	—	—
1/4		3/64	3	9	15	21	27	—	—	—	—	—
5/16		3/64	—	—	—	22	28	35	—	—	—	—
3/8		1/16	—	—	—	23	29	36	41	46	—	—
1/2	±1/32	1/16	—	—	—	—	30	37	42	47	52	57
5/8		5/64	—	—	—	—	—	—	43	48	53	58
3/4		5/64	—	—	—	—	—	—	—	—	54	59

REVISION

2

NAS Documents

SHEET 2

Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America, Inc. MS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF
Provided by IHS under license with AIA/NAS. Licensee= www.sepana.ir/5991803002, User=sam, albert
No reproduction or networking permitted without license from IHS. Not for Resale, 01/04/2016 03:56:18 MST TRADEMARKS RIGHTS.

Full document details: AIA NASM21318 2014