

FED. SUP CLASS  
5315USER ACTIVITIES:  
ARMY - AV, CE  
NAVY - AS, MC, SHREVIEWER ACTIVITIES: CIVIL AGENCY COORDINATING ACTIVITIES:  
ARMY - GL, ME, MI GSA - FSS  
NAVY - SA  
DLA - IS

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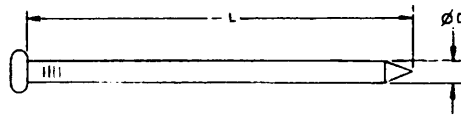
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Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

TABLE I. DASH NUMBERS AND DIMENSIONS

BRAD			
DASH NUMBER	L LENGTH	ØD	NUMBER PER LB (APPROX)
-1	3/8	.035	9520
-2	1/2	.035	7060
-3	5/8	.035	5680
-4	3/4	.035	4800
-5	7/8	.035	4220
-6	1	.054	1502
-7	1	.062	1120
-8	1 1/4	.062	940
-9	1 1/2	.080	470
-10	1 3/4	.062	672
-11	1 3/4	.080	400
-12	2	.080	350
-13	2 1/4	.080	320
-14	2 1/2	.080	290

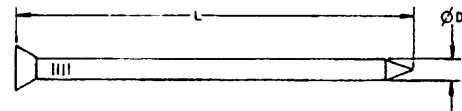


TABLE II. DASH NUMBERS AND DIMENSIONS

NAIL, CASING				
DASH NUMBER	COMMERCIAL SIZE	L LENGTH	ØD	NUMBER PER LB (APPROX)
-33	2d	1	.067	1090
-15	4d	1 1/2	.080	489
-16	6d	2	.099	244
-17	8d	2 1/2	.113	147
-18	10d	3	.128	96
-19	12d	3 1/4	.128	88
-20	16d	3 1/2	.135	74

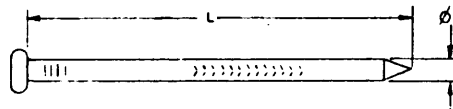


TABLE III. DASH NUMBERS AND DIMENSIONS

NAIL, FINISHING				
DASH NUMBER	COMMERCIAL SIZE	L LENGTH	ØD	NUMBER PER LB (APPROX)
-32	2d	1	.058	1473
-21	3d	1 1/4	.067	880
-22	4d	1 1/2	.072	630
-23	5d	1 3/4	.072	535
-24	6d	2	.092	288
-25	7d	2 1/4	.092	254
-26	8d	2 1/2	.099	190
-27	9d	2 3/4	.099	178
-28	10d	3	.113	124
-29	12d	3 1/4	.113	113
-30	16d	3 1/2	.120	93
-31	20d	4	.135	65

Ⓐ ENTIRE STANDARD REVISED

P. A.  
ARMY - AR  
Other Cust  
NAVY - YD  
AIR FORCE - 99INTERNATIONAL  
INTEREST

TITLE

NAIL, BRAD TYPE (BRAD; NAIL,  
CASING; NAIL, FINISHING)

MILITARY STANDARD

MS 90710

PROCUREMENT SPECIFICATION  
FF - N - 105

SUPERSEDES:

PAGE 1 OF 2

FED. SUP CLASS  
5315

## REQUIREMENTS:

1. **MATERIAL:** BRAD TYPE NAILS SHALL BE MANUFACTURED FROM STEEL WIRE, BRIGHT FINISH (SEE NOTE 2) WITH SCREW (MECHANICALLY DEFORMED) SHANK, DIAMOND POINT, IN ACCORDANCE WITH TYPE I, TYPE II, STYLE 6 AND TYPE II, STYLE 14 OF PROCUREMENT SPECIFICATION.
2. **BRAD AND FINISHING NAIL:** BRAD AND FINISHING NAILS SHALL HAVE A BRAD HEAD.
3. **CASING NAIL:** CASING NAIL SHALL HAVE A COUNTERSUNK CUPPED HEAD.
4. **SHANK DIAMETERS:** TOLERANCES ON SHANK DIAMETERS SHALL BE  $\pm .004$  INCH FOR DIAMETERS  $\geq .076$  INCH AND LARGER AND  $\pm .002$  INCH FOR DIAMETERS SMALLER THAN  $\geq .076$  INCH. TOLERANCES SHALL APPLY BEFORE APPLICATION OF PROTECTIVE COATINGS AND FINISHES.
5. **LENGTHS:** TOLERANCES ON LENGTHS SHALL BE  $\pm 1/32$  INCH FOR LENGTHS UP TO AND INCLUDING 1 INCH;  $\pm 1/16$  INCH FOR LENGTHS OVER 1 INCH UP TO INCLUDING 2 1/2 INCHES;  $3/32$  INCH FOR LENGTHS OVER 2 1/2 INCHES UP TO AND INCLUDING 7 INCHES; AND  $\pm 1/8$  INCH FOR LENGTHS OVER 7 INCHES.
6. **PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLES I, II OR III.

EXAMPLE: MS90710-30

DASH NUMBER

BASIC MS NUMBER

MS90710-30 INDICATES - NAIL, FINISHING, BRAD TYPE, 16d COMMERCIAL SIZE,  
3 1/2 INCH LENGTH, .120 DIAMETER.

## NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. BRIGHT FINISH - TERM APPLIED TO NAILS WITH NATURAL BARE FINISH RESULTING FROM CLEANING OF NAILS WHICH HAVE NOT UNDERGONE TREATMENTS AFFECTING FINISH, SUCH AS HARDENING, BLUING, COATING, PLATING, ETCHING, PAINTING.
3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
4. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

USER ACTIVITIES:  
ARMY - AV,CE  
NAVY - AS,MC,SHREVIEWER ACTIVITIES: CIVIL AGENCY COORDINATING ACTIVITIES:  
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APPROVED 18 DEC 82 REVISED (A) FOR CHANGES SEE PAGES I AND 2

P. A. ARMY-AR Other Cost NAVY-YD AIR FORCE-9S	INTERNATIONAL INTEREST	TITLE NAIL, BRAD TYPE (BRAD; NAIL, CASING; NAIL, FINISHING)	MILITARY STANDARD MS 90710
PROCUREMENT SPECIFICATION FF-N-105	SUPERSEDES:	PAGE 2 OF 2	