



TABLE I. DASH NUMBERS AND DIMENSIONS.

SINKER NAIL					
DASH NUMBER	COMM. SIZE	L LENGTH	Ø D	Ø H	NUMBER PER LB (APPROX)
1	3d	1 1/8 $\pm 1/16$	.067 $\pm .002$	.172 $\pm .017$	923
2	4d	1 3/8 $\pm 1/16$	.080 $\pm .004$	.203 $\pm .020$	527
3	5d	1 5/8 $\pm 1/16$	.086 $\pm .004$	.219 $\pm .021$	387
4	6d	1 7/8 $\pm 1/16$	.092 $\pm .004$	.234 $\pm .023$	293
5	7d	2 1/8 $\pm 1/16$	.099 $\pm .004$	.250 $\pm .025$	223
6	8d	2 3/8 $\pm 1/16$	.113 $\pm .004$	.266 $\pm .026$	153
7	10d	2 7/8 $\pm 3/32$	.120 $\pm .004$	.281 $\pm .028$	111
8	12d	3 1/8 $\pm 3/32$	.135 $\pm .004$	.312 $\pm .031$	81
9	16d	3 1/4 $\pm 3/32$	.148 $\pm .004$	.344 $\pm .034$	64
10	20d	3 3/4 $\pm 3/32$	.177 $\pm .004$	.375 $\pm .037$	40
11	30d	4 1/4 $\pm 3/32$	.192 $\pm .004$	.406 $\pm .040$	30
12	40d	4 3/4 $\pm 3/32$	.207 $\pm .004$	.438 $\pm .043$	23
13	60d	5 3/4 $\pm 3/32$	.244 $\pm .004$	.500 $\pm .050$	14

REQUIREMENTS:

1. MATERIAL: NAIL TYPE II, STYLE 8 SHALL BE MANUFACTURED FROM STEEL WIRE IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.
2. CHARACTERISTICS: NAIL SHALL HAVE FLAT COUNTERSUNK HEAD, ALTERED OR T-HEAD (FOR USE WITH MECHANICAL DRIVERS) WHEN SPECIFIED, DIAMOND POINT, ROUND SMOOTH SHANK IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
3. PROTECTIVE COATING AND SURFACE TREATMENT: NAIL SHALL BE CEMENT COATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
4. SHANK DIAMETERS: TOLERANCES ON SHANK DIAMETERS SHALL BE $\pm .004$ INCH FOR DIAMETERS .076 INCH AND LARGER; AND $\pm .002$ INCH FOR DIAMETERS SMALLER THAN .076 INCH. TOLERANCE SHALL APPLY BEFORE APPLICATION OF PROTECTIVE COATINGS AND FINISHES.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

 REVIEWER ACTIVITIES: CIVIL AGENCIES COORDINATING ACTIVITIES: USER ACTIVITIES:
 ARMY - AV, MI
 NAVY - AS, SH
 ARMY - CE, GL, ME
 GSA - FSS
 NAVY - MC, SA

P. A. ARMY-AR Other Cost NAVY-YD AIR FORCE-99	INTERNATIONAL INTEREST	TITLE NAIL, SINKER	MILITARY STANDARD MS 51541
PROCUREMENT SPECIFICATION FF-N-105	SUPERSEDES:	PAGE 1 OF 2	

FED. SUP CLASS
5315

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 AND INCLUDING 2 1/2 INCHES; $\pm 3/32$ 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. HEAD DIAMETERS.
- A. HAND DRIVEN. THE DIFFERENCE IN DIAMETERS ACROSS THE LONG AXIS SHALL NOT EXCEED THAT ACROSS THE SHORT AXIS BY MORE THAN 10 PERCENT. HEADS WILL BE WELL CENTERED.
- B. MECHANICALLY DRIVEN. TOLERANCES ON HEAD DIAMETERS OF MECHANICALLY DRIVEN NAILS SHALL COMPLY WITH MANUFACTURER'S SPECIFICATIONS AND SHALL BE SUITABLE FOR USE IN THE MAKE AND MODEL OF GUN SPECIFIED.
7. PART NUMBER. THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER, PLUS THE DASH NUMBER FROM TABLE I.

EXAMPLE: MS51541-7

DASH NUMBER

BASIC MS SHEET NUMBER

MS51541-7 INDICATES - NAIL, SINKER, 10d COMMERCIAL SIZE, .120 SHANK DIAMETER, .281 HEAD DIAMETER, 2 7/8 LONG

NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- 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.
- 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.

REVIEWER ACTIVITIES: CIVIL AGENCIES COORDINATING ACTIVITIES: USER ACTIVITIES:
ARMY-CE, GL, ME GSA - FSS ARMY-AV, MI
NAVY-MC, SA NAVY-AS, SH

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P. A. ARMY-AR Other Code NAVY-YD AIR FORCE-99	INTERNATIONAL INTEREST	TITLE NAIL, SINKER	MILITARY STANDARD MS.51541
PROCUREMENT SPECIFICATION FF-N-105	SUPERSEDES:	PAGE 2 OF 2	