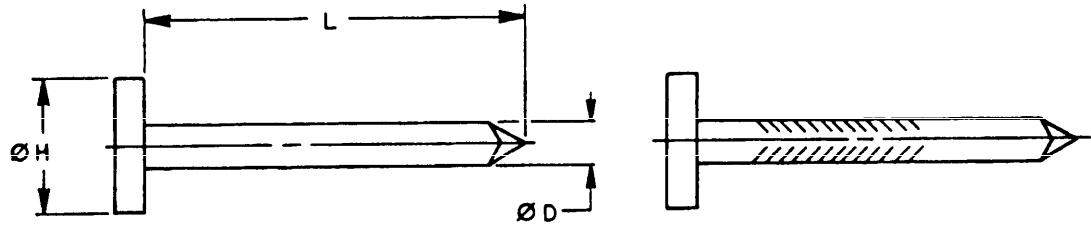


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A - ROUND SMOOTH SHANK

B - BARB SHANK

TABLE I. DASH NUMBERS AND DIMENSIONS

BOX NAIL						
DASH NUMBER		COMMERCIAL SIZE	Ø D	Ø H ± 10%	L	NUMBER PER LB (APPROX)
SMOOTH SHANK	BARBED SHANK					
-1	-21	2d	.067 ± .002	.188	1 ± 1/32	940
-2	-22	3d	.076 ± .004	.219	1 1/4 ± 1/16	588
-3	-23	4d	.080 ± .004	.219	1 1/2 ± 1/16	453
-4	-24	5d	.080 ± .004	.219	1 3/4 ± 1/16	389
-5	-25	6d	.099 ± .004	.266	2 ± 1/16	225
-6	-26	7d	.099 ± .004	.266	2 1/4 ± 1/16	200
-7	-27	8d	.113 ± .004	.297	2 1/2 ± 1/16	136
-8	-28	9d	.113 ± .004	.297	2 3/4 ± 3/32	124
-9	-29	10d	.128 ± .004	.312	3 ± 3/32	90
-10	-30	12d	.128 ± .004	.312	3 1/4 ± 3/32	83
-11	-31	16d	.135 ± .004	.344	3 1/2 ± 3/32	69
-12	-32	20d	.148 ± .004	.375	4 ± 3/32	50

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ARMY-AR
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AIR FORCE-99

INTERNATIONAL INTEREST

TITLE

NAIL, BOX

MILITARY STANDARD

MS 51549

PROCUREMENT SPECIFICATION
FF-N-105

SUPERSEDES:

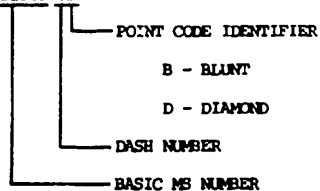
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REQUIREMENTS:

1. **MATERIAL:** NAIL, TYPE II, STYLE 4, SHALL BE MANUFACTURED FROM STEEL WIRE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
2. **CHARACTERISTICS:** NAIL SHALL HAVE FLAT HEAD, ALTERED OR T-HEAD (FOR USE WITH MECHANICAL DRIVERS), DIAMOND OR BLUNT POINT, ROUND SMOOTH OR BARBED SHANK, IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
3. **PROTECTIVE COATING AND SURFACE TREATMENT:** BOX NAILS 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. TOLERANCES SHALL APPLY BEFORE APPLICATION OF PROTECTIVE COATING OR FINISHES. DIAMETERS OF MECHANICALLY DEFORMED SHANKS SHALL BE MEASURED BEFORE DEFORMATION.
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 DIAMETER ACROSS THE LONG AXIS SHALL NOT EXCEED THAT ACROSS THE SHORT AXIS BY MORE THAN 10 PERCENT. A FILLET SHALL BE PROVIDED UNDER THE HEAD, AN ANGLE OR RADIUS WILL BE ACCEPTABLE. HEADS SHALL BE WELL CENTERED.
 - (B) **MECHANICALLY DRIVEN:** TOLERANCES ON HEAD DIAMETER 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 FOLLOWED BY A DASH NUMBER FROM TABLE I AND A POINT CODE IDENTIFIER.

EXAMPLE: MS51549-7B



MS51549-7B INDICATES: NAIL, BOX; .113 SHANK DIAMETER; .297 HEAD DIAMETER; 2 1/2 LENGTH; SMOOTH SHANK, BLUNT POINT.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. 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.
3. 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.

U.S. ARMY-AR NAVY-YD AIR FORCE-99	INTERNATIONAL INTEREST	TITLE NAIL, BOX	MILITARY STANDARD MS51549
DEFENSE SPECIFICATION N-105	SUPERSEDES:	PAGE 2 OF 2	