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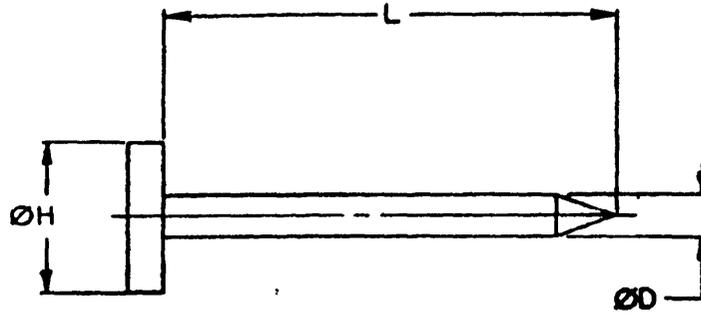


TABLE I. SMOOTH SHANK NAIL DIMENSIONS

GYPSON WALLBOARD NAIL (SMOOTH SHANK)				
NAIL NUMBER	ØD ±.004	ØH	L ±1/16	NUMBER PER LB (APPROX)
1800	.088	.297 ±.009	1 1/8	433
1820	.092	.375 ±.037	1 1/8	449
1830	.082	.307 ±.039	1 1/4	425
1840	.082	.375 ±.037	1 1/4	394
1850	.106	.375 ±.037	1 1/4	319

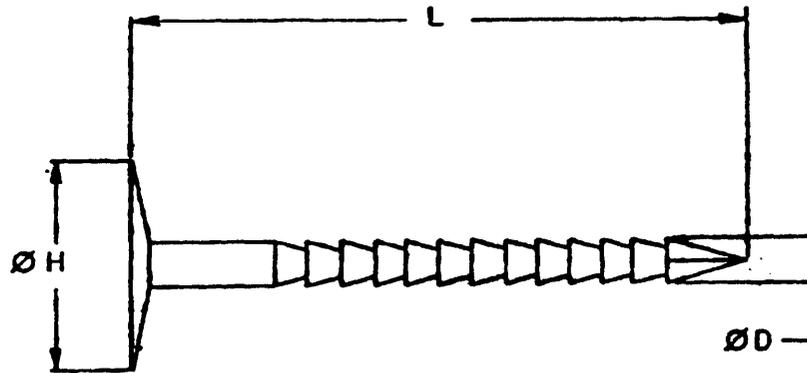


TABLE II. DOUBLE FLUTE NAIL DIMENSIONS

GYPSON WALLBOARD NAIL (PROFILESICALLY DEFORMED SHANK)					
NAIL NUMBER		ØD ±.003	ØH +.047 -.031	L ±1/16	NUMBER PER LB (APPROX)
SMOOTHED (PROFILING)	BLAND				
201	2010	.099	.250	1 1/8	388
202	2020	.099	.250	1 1/4	345
203	2030	.099	.250	1 1/8	320
204	2040	.099	.250	1 1/2	290
205	2050	.099	.250	1 5/8	270

REVISIONS ACTIVITIES: COL. ARMY-AR, ME, NE, SH, NS
 NAVY-YD, AR, ME, NE, SH, NS
 AIR FORCE-99, 88A-F33, 82

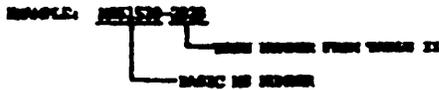
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APPROVED 20 JUL 86

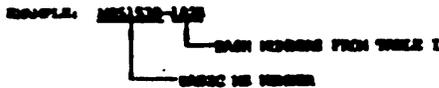
ARMY-AR	INTERNATIONAL EQUIVALENT	TITLE	MILITARY STANDARD
NAVY-YD		NAIL, GYPSUM, WALL BOARD	MS51539
AIR FORCE-99			
PROCURING SPECIFICATION	SUPERSEDES:	PAGE	OF
FF-N-105		1	2

REQUIREMENTS:

1. **GENERAL:** NAIL, TYPE 11, STYLE 19 SHALL BE MANUFACTURED FROM STEEL WIRE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
2. **CHARACTERISTICS:**
 - A. **SMOOTH SHANK:** NAIL SHALL HAVE A FLAT HEAD, DIAMOND POINT, ROUND SMOOTH SHANK AND BLUED FINISH.
 - B. **Mechanically Deformed Shank:** NAIL SHALL HAVE A FLAT SLIGHTLY CONCAVED HEAD, LONG DIAMOND POINT, ROUND MECHANICALLY DEFORMED SHANK AND BRIGHT (SEE NOTE 2) OR BLUED FINISH.
3. **WIRE DIMENSIONS:**
 - A. **SMOOTH SHANK:** THE DIFFERENCE IN DIMENSIONS ACROSS 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. EDGES WILL BE WELL CHAMFERED.
 - B. **Mechanically Deformed Shank:** THE EDGES SHALL BE THIN (APPROXIMATELY .015 INCH) AT THE PERIPHERAL EDGE. THE SHANK SHALL BE UNIFORM TO A SMALL FILLET AROUND THE HEAD, AND SHALL BE FREE FROM PROTRUSIONS UNIFORM TO A SMALL FILLET AROUND THE SHANK, AND SHALL BE FREE FROM PROTRUSIONS AND SHARP, IRREGULAR EDGES.
4. **CLEARANCE:** SHOULD A INFORMATION PREFIXES FINISHES OTHER THAN A SMOOTH-SHANK NAIL, A CLEARANCE AREA (ROUND AND BEVEL), REMOVED FROM THE TOP OF THE HEAD TO THE SHANKED SECTION, SHALL BE PROVIDED EQUAL TO THE NOMINAL THICKNESS OF SHEATHS CALLED FOR UNDER THIS TITLE AND SPECIFIED. THIS IS IN ACCORDANCE WITH AFM 9-244 "GUIDE FOR THE APPLICATION OF SHEATH CLEARANCE".
5. **FAST NUMBER:** THE FAST NUMBER SHALL CONSIST OF THE BASIC NO NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE I OR TABLE II.



MS51539-2020 DIMENSIONS - NAIL, .200 DIAMETER, 1 1/4 LONG, .200 HEAD DIAMETER MECHANICALLY DEFORMED SHANK AND BLUED FINISH



MS51539-1020 DIMENSIONS - NAIL, .200 DIAMETER, 1 1/8 LONG, .375 HEAD DIAMETER, SMOOTH SHANK, BLUED FINISH

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. BRIGHT FINISH IS A TERM APPLIED TO NAILS WITH USUAL BARE FINISH RESULTING FROM CLEANING OF NAILS, WHICH HAVE NOT UNDERGONE TREATMENTS AFFECTING FINISH, SUCH AS WAXING, BLENDING, COATING, PLATING, BECKING, AND 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. REFERENCES GOVERNMENT (OR NON-GOVERNMENT) AGENCIES OF THE ARMED FORCES IN THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DOCS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

NUMBER ACTIVITIES CIVIL AGENCIES COORDINATES ACTIVITIES UNDER ACTIVITIES
 ARMY-CE AIE
 NAVY-AS, MC, SH
 NSA-NS
 AIR FORCE-02
 GSA-788

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REVISED
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U.S. ARMY-AIR Other Code NAVY-YD AIR FORCE-99	INTERNATIONAL INTEREST	TITLE NAIL, GYPSUM, WALL BOARD	MILITARY STANDARD
			MS51539
PROCUREMENT SPECIFICATION PF-N-105	SUPPLEMENT	PAGE 2 OF 2	6315-0396