Designation: F 1667 – 02~~a~~3

Standard Specification for Driven Fasteners: Nails, Spikes, and Staples[1]

This standard is issued under the fixed designation F 1667; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense. The Commercial and Government Entity (Cage) Code for ASTM: 81346.

1. Scope*

1.1 This specification covers nails, spikes, staples, and other driven fasteners, as listed in Table 1.

NOTE 1—Fastener ductility information is presented in Table 2 and dimensional information in Tables 3-63.

1.2 Fasteners described in this specification are driven by hand tool, power tool, or mechanical device in single or multiple strikes and are positioned by hand, tool, or machine.

1.3 The values stated in inch-pound units are to be regarded as the standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

A 153/A 153M Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware[2]

[1] This specification is under the jurisdiction of ASTM Committee F16 on Fasteners and is the direct responsibility of Subcommittee F16.05 on Driven and Other Fasteners.
Current edition approved ~~Dec.~~ May 10, 200~~2~~3. Published ~~February~~ June 2003. Originally approved in 1995. Last previous edition approved in 2002 as F 1667–02~~a~~.

***A Summary of Changes section appears at the end of this standard.**

A 510M Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel [Metric][3]
A 641/A 641M Specification for Zinc-Coated (Galvanized) Carbon Steel Wire[2]
B 695 Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel[4]
F 547 Terminology of Nails for Use with Wood and Wood-Base Materials[5]
F 592 Terminology of Collated and Cohered Fasteners and Their Application Tools[5]
F 680 Test Methods for Nails[5]
F 1575 Test Method for Determining Bending Yield Moment of Nails[5]

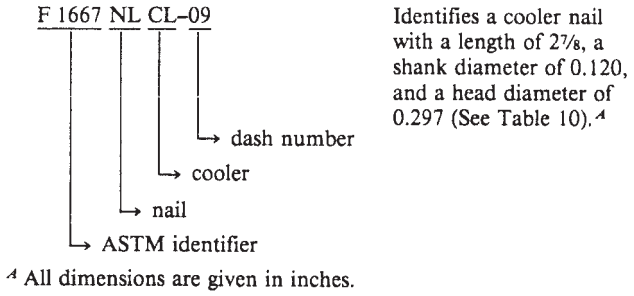
3. Terminology

3.1 *Definitions*—The definitions used in this specification are those of common commercial acceptance and usage and also appear in Terminologies F 547 and F 592.

4. Classification

4.1 The fasteners and their Table 1 classification are identified as follows:

NOTE 2—The identification of fasteners, classified by style and type (alpha indicators) followed by a dash number (numerical code) based on Tables 3-63, identifies dimensions specifically and establishes a PIN (part identifying number) system when preceded by the F 1667 ASTM designator of this specification. For example:



4.2 The trade designation, *S*, pennyweight, used in commercial practice is referenced in Tables 3-63 wherever it applies.

5. Ordering Information

5.1 Orders for driven fasteners under this specification shall include the following information:
5.1.1 Quantity or weight;
5.1.2 Part identifying number (PIN) or product description (see 4.1 and appropriate table);
5.1.3 Special material requirements, if specified, including coatings or finishes;
5.1.4 ASTM designation;
5.1.5 Packaging requirements;
5.1.6 A producer's or supplier's certification that the material and the finished fastener are in compliance with this specification, furnished only when specified in the purchase order;
5.1.7 Supplementary requirements, if any; and
5.1.8 Any additions agreed upon between the purchaser and the supplier.

6. Material Requirements

6.1 Steel wire used in the manufacture of driven fasteners shall be of low carbon, medium-low carbon, or medium-high carbon.
6.2 Stainless steel wire used in the manufacture of driven fasteners shall be of Types 302, 304, 305, or 316.
6.3 Carbon steel wire for the manufacture of hardened steel nails shall be suitable for heat treatment to a minimum hardness of 37 HRC.
6.4 Sheet steel used in the manufacture of cut nails (Type II) and cut spikes (Type III) shall be a medium-carbon sheet steel.
6.5 Copper used in the manufacture of driven fasteners shall contain a minimum of 98 % pure copper.
6.6 Copper-clad steel wire used in the manufacture of driven fasteners shall contain not less than 20 % copper by weight. The average thickness of copper on the steel wire shall be not less than 10 % of the radius of the clad wire; the minimum thickness of copper on the steel wire shall be not less than 8 % of the radius of the clad wire.

[2] *Annual Book of ASTM Standards*, Vol 01.06.
[3] *Annual Book of ASTM Standards*, Vol 01.03.
[4] *Annual Book of ASTM Standards*, Vol 02.05.
[5] *Annual Book of ASTM Standards*, Vol 01.08.

TABLE 1 Classification and Identification Index

Type		Style	Style Identification	Table
I—Nails (NL)	1.	Brads	BR	3
	2.	Barrel	BL	4
	3.	Boat	BTH/BTL	5
	4.	Box A	BXA	6
		Box B	BXB	7
	5.	Broom	BM	8
	6.	Casing	CN	9
	7.	Cooler	CL	10
	8.	Sinker	SK	11
	9.	Corker	CK	12
	10.	Common	CMA	13
		Common	CMC	14
		Common	CMS	15
		Common	CMM	16
	11.	Concrete	CTS/CTM	17
	12.	Double-headed	DH	18
	13.	Fine	FN	19
	14.	Finishing	FH	20
	15.	Flooring	FL	21
	16.	Lath	LHF	22
		Lath	LHH	23
	17.	Masonry	MR/MRH	24
	18.	Pallet	PL	25
	19.	Gypsum wallboard	GWS	26
		Gypsum wallboard	GWM	27
	20.	Roofing	RFA	28
		Roofing	RFS	29
		Roofing	RFC	30
		Roofing	RFL	31
		Roofing	RFR	32
		Roofing	RFD	33
		Roofing	RFNS/RFND	34
	21.	Shingle	SHAD/SHAS	35
		Shingle	SHSS/SHNSB	36
	22.	Siding	SDF/SDC/SDK	37
	23.	Slating	SLA/SLC/SLS	38
	24.	Rubber heel	RH	39
	25.	Underlayment	UL	40
	26.	Square-barbed	SB	41
	27.	Masonry drive	MD	42
	28.	Escutcheon	ES	43
	29.	Glulam rivet	GR	44
II—Cut nails (CN)	1.	Common	CM	45
	2.	Basket	BK	46
	3.	Clout	CL	47
	4.	Trunk	TR	48
	5.	Cobblers	CB	49
	6.	Extra-iron clinching	EC	50
	7.	Hob	HB	51
III—Spikes (SP)	1.	Common	CM	52
	2.	Gutter	GRF/GRO	53
	3.	Round	RDC/RDF	54
	4.	Barge and boat	BB	55
IV—Staples (ST)	1.	Fence	FN	56
	2.	Poultry netting	PN	57
	3.	Flat top crown	FC	58
		Flat top crown	FCC	59
	4.	Round or V crown	RC	60
	5.	Preformed	PC	61
	6.	Electrical	RE	62
	7.	Preformed hoop	PH	63

6.7 Aluminum alloy wire used in the manufacture of fasteners shall conform to Alloy 2024, 5056, 6061, or 6110 and have a minimum ultimate tensile strength of 60 000 psi.

NOTE 3—Smooth shank nails are sometimes chemically treated to remove grease, oil, and foreign matter and to roughen the surface microscopically. Mechanically deformed nails are sometimes cleaned to remove grease and foreign matter.

6.8 Brass wire used in the manufacture of fasteners shall be of good commercial quality suitable for the purpose.

7. Physical Properties

7.1 *Ductility*—The fasteners shall be sufficiently ductile to withstand cold bending without fracture, as specified in Table 2 for various materials used in the manufacture of fasteners utilizing the conventional bend test described in Test Methods F 680.

TABLE 2 Bend Angles for Fasteners Using the Test Methods F 680 Bend Test

	Fastener Material	Bend Angle, °
1.	Steel wire: (low-carbon, medium-low carbon, medium-carbon) (unhardened)	180
2.	Stainless steel wire	180
3.	Hardened steel fasteners	20
4.	Sheet steel for cut nails, Type II, and cut spikes, Type III	90
5.	Copper (min 98 %)	180
6.	Copper clad wire (min 20 %)	180
7.	Aluminum alloy wire	90
8.	Brass wire	180

Mandrel diameter used in this test shall not exceed nail/wire diameter. The cold bend test shall not apply to unhardened nails with deformed shanks.

7.2 *Tensile Strength*—Finished driven fasteners are not normally subject to tension testing. However, the wire or sheet used to manufacture the fastener is tested as required for control in the production process during manufacture.

8. Dimensions and Tolerances

8.1 Nominal dimensions of nails and spikes shall be as shown in Tables 3-55. The following dimensional designations shall apply:

S = trade designation (reference in penny weight),
L = length, in.,
H = head diameter or width, in.,
D = shank diameter, in.,
B = head separation, in. (Table 18), and
No./lb = approximate count per pound.

8.1.1 The lengths, *L*, of nails and spikes with flat heads or parallel shoulders under the head shall be measured from under the head or shoulder to the tip of the point. All other nails and spikes shall be measured overall.

8.1.2 The diameter, *D*, of smooth shank nails and spikes shall be measured away from the gripper marks. The diameter, *D*, of formed or deformed shanks shall be measured before deformation, or, if specified, the thread crest diameter after deformation, or both. All diameter dimensions shall be taken prior to the application of or after the removal of any coatings or finish.

8.2 *Tolerances on Nominal Dimensions for Nails and Spikes*:

8.2.1 Length tolerances shall be ±1⁄32 in. for lengths up to and including 1 in.; ±1⁄16 in. for lengths over 1 in., up to and including 2½ in.; ±3⁄32 for lengths over 2½ in., up to and including 7 in.; and ±⅛ in. for all lengths over 7 in.

8.2.2 Shank diameter tolerances shall be ±0.002 in. for diameters smaller than 0.076 in. and ±0.004 in. for diameters 0.076 in. and larger.

8.2.3 *Head Diameter Tolerances*:

8.2.3.1 *Hand Driven*—Tolerances on head diameters of roofing nails shall be +0, −10 % of the nominal head diameter (the mean of two readings 90° apart). For other brads, nails, and spikes, the tolerance shall be ±10 % of the nominal head diameter (individual measurement). The difference in diameter across the long axis of a roofing nail shall not exceed that across the short axis by more than 20 %. For other brads, nails, and spikes, the difference in diameter across the long axis shall not exceed that across the short axis by more than 10 %. A fillet shall be provided under the head if not otherwise specified.

8.2.3.2 *Power Driven*—Tolerances on head diameters of power-driven nails shall comply with the manufacturer's specifications and shall be suitable for use in the make and model of the tool specified.

8.3 Nominal dimensions of staples shall be as shown in Tables 56-63, and the following dimensional designations shall apply:

8.3.1 *Hand Tool–Driven Nominal Dimensions*:

L = leg length, inside, in.,
D = round leg diameter, in.,
C = crown width, inside, in., and
No./lb = approximate count per pound.

8.3.2 *Power Tool–Driven Nominal Dimensions*:

D = round leg diameter, in.,

L = leg length, outside, in.,
T = leg thickness, in. (see Tables 57~~8~~ and 59),
W = leg width, in. (see Tables 57~~8~~ and 59),
C = crown width, outside, in., and
G = steel wire gage.

8.4 *Tolerances on Nominal Dimensions for Staples*:

8.4.1 Leg length, *L*, tolerances shall be +1⁄32 , −1⁄64 in. for both hand tool–driven and power tool–driven staples.

8.4.2 Diameter tolerances for hand tool–driven round staples shall be ±0.002 in. for diameters smaller than 0.076 in. and ±0.004 in. for diameters 0.076 in. and larger.

8.4.3 Thickness and width tolerances on power-driven staples shall comply with the manufacturer's specification and shall be suitable for use in the make and model tool specified (see Tables ~~55-62).~~ 58 and 59).

8.4.4 Crown width tolerances are ±1⁄32 in. unless otherwise specified.

8.5 *Nominal Dimensions for Cut Nails, Type II*—Unless otherwise specified, cut nails shall be sheared from medium carbon sheet steel and shall have a wedge-shaped shank with a sheared square point end narrower than the upset head end. The designation *T* in Tables 45-50 refers to sheet thickness in finished product. Other designations shall be the same as those for nails in 8.1.

8.6 When gage is used for a nominal diameter dimension in the application of this specification, it shall be in accordance with the decimal equivalents as shown in Specification A 510, unless otherwise specified.

9. Workmanship

9.1 Fasteners covered by this specification shall be true to shape, well-finished, free from imperfections, clean, and free of corrosion. Mechanically driven collated items shall be uniform and aligned properly in their assembled form for use in power tools.

10. Protective Coatings and Finishes

10.1 *Zinc Coating*:

10.1.1 Driven fasteners required to be zinc coated shall be cut and formed from hot-dip, hard-wiped, galvanized steel wire, electrogalvanized steel wire, or zinc flake/chromate dispersion-coated steel wire; or they shall be cut from uncoated (bright) steel wire and shall be hot-dip galvanized, electrodeposited zinc coated, mechanically deposited zinc coated, or zinc flake/chromate dispersion coated after forming. Power-driven staples are not normally zinc coated after forming.

10.1.2 Hot-dip galvanized or electrogalvanized steel wire for the manufacture of fasteners shall have a coating weight in accordance with Specification A 641, Supplementary Requirements, Class 1.

10.1.3 Hot-dip galvanized steel fasteners coated after forming shall have a coating weight in accordance with Specification A 153, Class D, when a heavier coating for exterior use is specified. If not otherwise specified, the coating weight shall be in accordance with Specification A 641, Supplementary Requirements, Class 1.

10.1.4 Mechanically deposited zinc coatings applied to fasteners after forming shall have a thickness in accordance with Specification B 695, Class 40, unless otherwise specified.

10.2 *Other Coatings and Finishes (When Specified)*:

10.2.1 Cement coating shall be applied by tumbling, mechanical dispensing device, or immersion in resin or other similar material and shall not be tacky or gummy. Cement coatings on power-driven fasteners shall be uniform and applied before, during, or after the fasteners are cohered into strips, clips, or coils.

NOTE 4—Cement coatings increase the holding strength in withdrawal of a driven fastener, depending on the fastener size, amount of cement coating applied, and method of driving.

10.2.2 Chemical etching shall remove the polish of fabrication and roughen the surface microscopically.

10.2.3 Blued nails shall be heated to form a thin, colored oxide on the surface.

10.2.4 Miscellaneous finishes, such as tin plating, liquor, brass plating, copper plating, phosphate coating, or oil coating shall be applied.

10.3 *Altered Shapes and Deformations* :

10.3.1 Mechanically formed or deformed nail shanks shall have barbs, flutes, threads, or angular serrations formed onto the wire from which the nail is manufactured. Mechanically deformed shanks shall have vertical or helical flutes or screw-type or annular (ring)-type deformations rolled onto the shank. Symmetrical helical shank deformations shall be obtained by twisting square wire. The deformations shall pass entirely around the shank body, resulting in expanded ridges and depressions.

10.3.2 Mechanically formed or deformed nail heads shall be round or T-headed; or they shall be altered round for suitable use in a given make and model of a power-driving fastening system.

10.3.3 Staples manufactured for intended use in power tools shall comply with the tool manufacturer's specification or Type IV, Style 3 (Table 58 or Table 59).

11. Certification

11.1 When specified in the purchase order, a producer's or supplier's certification shall be furnished to the purchaser, indicating that the fasteners are in compliance with this specification and the purchase order.

12. Packaging and Package Marking

12.1 Unless otherwise specified, fasteners shall be in substantial commercial containers of the type, size, and kind commonly used for the purpose, so constructed as to preserve the contents in good condition and to ensure acceptance and safe delivery by common or other carriers to the point of delivery. In addition, the containers shall be so made that the contents can be removed partially without destroying the container's ability to serve as a receptacle for the remainder of the contents.

12.2 When specified, individual packages and shipping containers shall be marked with the part-identifying number and type, length, diameter (or gage, as applicable) of the fastener, the name of the manufacturer or distributor, and the quantity or net weight.

13. Keywords

13.1 diameter; driven fasteners; head; length; nails; point; spikes; staples—

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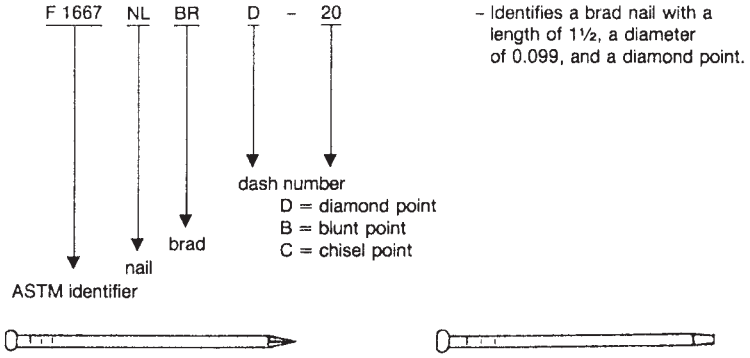
TABLE 3 Type I, Style 1—Brads[A]

NOTE—Steel wire, brad head, diamond point, round smooth shank, bright finish. When specified, brads shall have a modified brad head with a blunt or chiseled point for use with mechanical drivers.

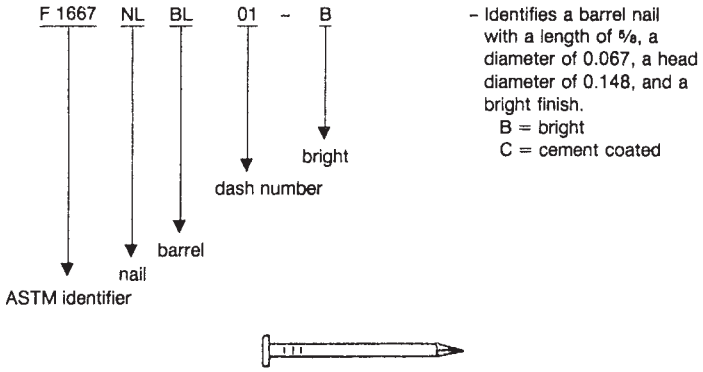


Dash No.	*L*	*D*	*S*	No./lb	Dash No.	*L*	*D*	*S*	No./lb
01	3/8	0.035	...	9520	21	1¾	0.062	...	670
02	½	0.035	...	7060	22	1¾	0.080	...	400
03	½	0.048	...	3990	23	1¾	0.099	5d	270
04	5/8	0.035	...	5680	24	2	0.062	...	580
05	5/8	0.048	...	3200	25	2	0.080	...	350
06	¾	0.035	...	4800	26	2	0.113	6d	180
07	¾	0.048	...	2620	27	2¼	0.080	...	320
08	¾	0.062	...	1550	28	2¼	0.113	7d	160
09	7/8	0.035	...	4220	29	2½	0.080	...	290
10	7/8	0.048	...	2220	30	2½	0.131	8d	110
11	7/8	0.062	...	1280	31	2¾	0.131	9d	97
12	1	0.054	...	1500	32	3	0.148	10d	70
13	1	0.062	...	1120	33	3¼	0.148	12d	65
14	1	0.072	...	904	34	3½	0.162	16d	50
15	1¼	0.054	...	1210	35	4	0.192	20d	31
16	1¼	0.062	...	940	36	4½	0.207	30d	24
17	1¼	0.080	3d	560	37	5	0.225	40d	18
18	1½	0.054	...	1040	38	5½	0.244	50d	14
19	1½	0.080	...	470	39	6	0.262	60d	11
20	1½	0.099	4d	320	...	...	...	...	...

[A] All dimensions are given in inches.

TABLE 4 Type I, Style 2—Barrel Nails[A]

NOTE—Steel wire, flat head, diamond point, round smooth shank, bright, zinc or cement coated as specified.

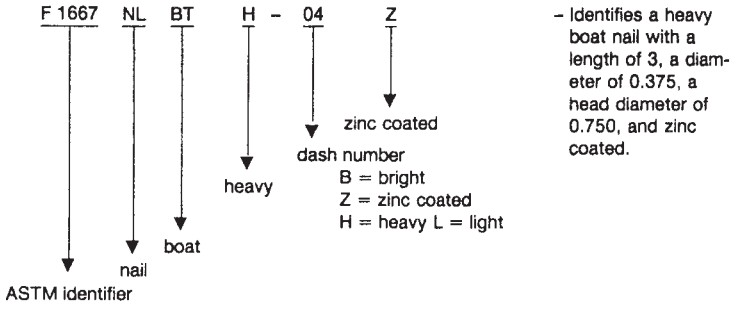


Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	5/8	0.067	0.148	1.550	05	1 1/8	0.076	0.177	670
02	3/4	0.067	0.148	1.300	06	1 1/4	0.080	0.188	540
03	7/8	0.076	0.177	850	07	1 3/8	0.092	0.219	380
04	1	0.076	0.177	750	08	1 1/2	0.092	0.219	350

[A] All dimensions are given in inches.

TABLE 5 Type I, Style 3—Boat nails[A]

NOTE—Steel wire, oval countersunk head, chisel point, round smooth shank, bright or zinc coated as specified.

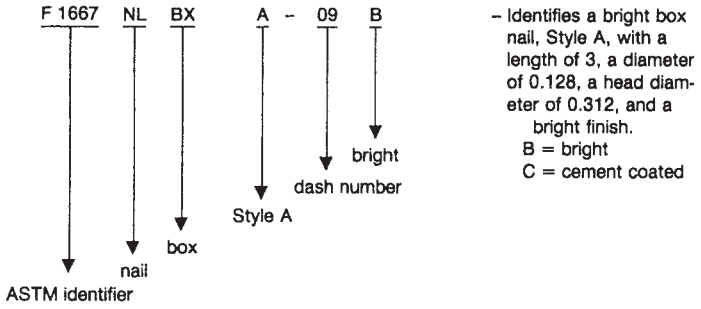


F 1667 NLBTL						F 1667 NLBTH					
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	4d	1 1/2	0.188	0.406	82	01	4d	1 1/2	0.250	0.500	47
02	6d	2	0.188	0.406	62	02	6d	2	0.250	0.500	36
03	8d	2 1/2	0.188	0.406	50	03	8d	2 1/2	0.250	0.500	29
04	10d	3	0.250	0.500	24	04	10d	3	0.375	0.750	11
05	12d	3 1/4	0.250	0.500	22	05	12d	3 1/4	0.375	0.750	10
06	16d	3 1/2	0.250	0.500	20	06	16d	3 1/2	0.375	0.750	9
07	20d	4	0.250	0.500	18	07	20d	4	0.375	0.750	8

[A] All dimensions are given in inches.

TABLE 6 Type I, Style 4A—Box Nails[A]

NOTE—Steel wire, flat head, diamond point, round, barbed or smooth shank, bright or cement coated as specified. When specified, box nails shall have an altered or T-head with a diamond, blunt, or chisel point for use with mechanical drivers.

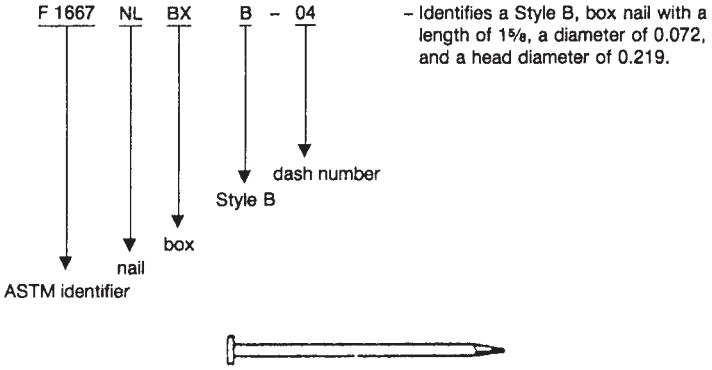


F 1667 NLBXA											
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.067	0.188	940	08	9d	2¾	0.113	0.297	120
02	3d	1¼	0.076	0.219	590	09	10d	3	0.128	0.312	90
03	4d	1½	0.080	0.219	450	10	12d	3¼	0.128	0.312	83
04	5d	1¾	0.080	0.219	390	11	16d	3½	0.135	0.344	69
05	6d	2	0.099	0.266	220	12	20d	4	0.148	0.375	50
06	7d	2¼	0.099	0.266	200	13	30d	4½	0.148	0.375	45
07	8d	2½	0.113	0.297	140	14	40d	5	0.162	0.406	34

[A] All dimensions are given in inches.

TABLE 7 Type I, Style 4B—Box Nails[A]

NOTE—Steel wire, flat head, diamond point, round smooth shank, cement coated.



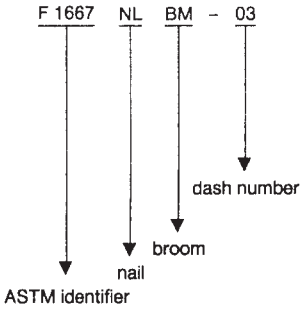
F 1667 NLBXB											
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.058	0.172	1250	06	7d	2⅛	0.086	0.250	280
02	3d	1⅛	0.062	0.188	980	07	8d	2⅜	0.099	0.266	190
03	4d	1⅜	0.067	0.203	680	08	9d	2⅝	0.099	0.266	170
04	5d	1⅝	0.072	0.219	510	09	10d	2⅞	0.113	0.297	120
05	6d	1⅞	0.086	0.250	315	...	...	...	...	...	...

[A] All dimensions are given in inches.

here

TABLE 8 Type I, Style 5—Broom Nails[A]

NOTE—Steel wire, flat or star head, diamond point, round smooth shank, bright finish, as specified.

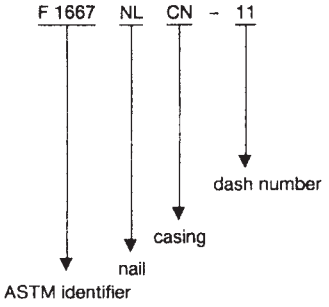


Dash No.	*L*	*D*	*H*	No./lb
01	5/8	0.072	0.203	1480
02	5/8	0.080	0.219	990
03	3/4	0.072	0.203	1170
04	3/4	0.080	0.219	840

[A] All dimensions are given in inches.

TABLE 9 Type I, Style 6—Casing Nails[A]

NOTE—Steel wire, flat countersunk cupped head, diamond point, round smooth shank, bright finish.

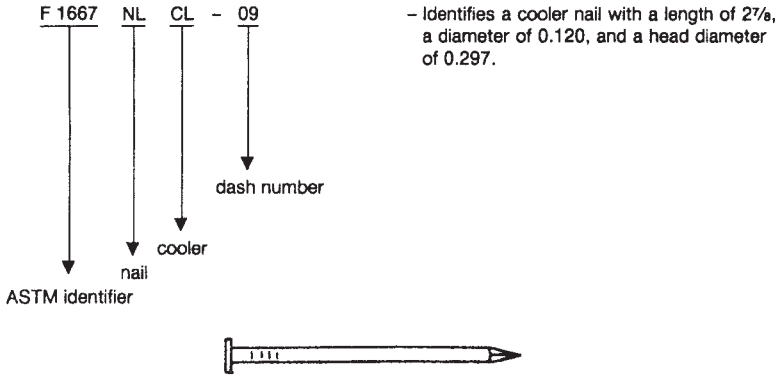


Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.067	0.099	1090	07	8d	2½	0.113	0.155	150
02	3d	1¼	0.076	0.113	650	08	9d	2¾	0.113	0.155	135
03	4d	1½	0.080	0.120	490	09	10d	3	0.128	0.170	95
04	5d	1¾	0.080	0.120	415	10	12d	3¼	0.128	0.170	90
05	6d	2	0.099	0.142	245	11	16d	3½	0.135	0.177	75
06	7d	2¼	0.099	0.142	215	...	...	...	...	...	...

[A] All dimensions are given in inches.

TABLE 10 Type I, Style 7—Cooler Nails[A]

NOTE—Steel wire, flat head, diamond point, round smooth shank, cement coated. When specified, coolers shall have an altered or T-head for use with mechanical drivers.

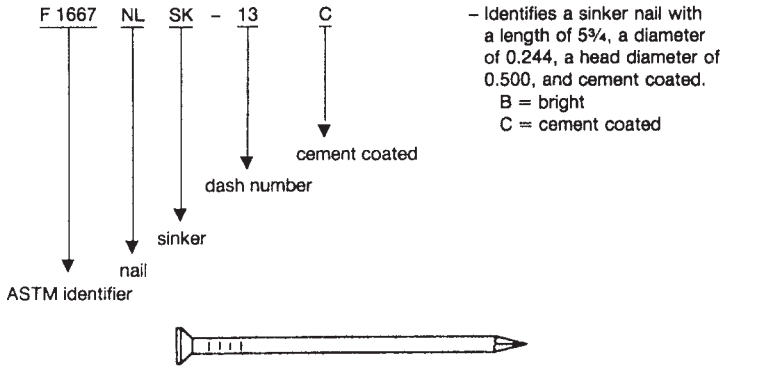


Dash No.	S	L	D	H	No./lb	Dash No.	S	L	D	H	No./lb
01	2d	1	0.062	0.172	1110	06	7d	2⅛	0.099	0.266	210
02	3d	1⅛	0.067	0.188	840	07	8d	2⅜	0.113	0.281	140
03	4d	1⅜	0.080	0.219	490	08	9d	2⅝	0.113	0.281	130
04	5d	1⅝	0.086	0.234	370	09	10d	2⅞	0.120	0.297	100
05	6d	1⅞	0.092	0.250	280	...	...	...	...	...	...

[A] All dimensions are given in inches.

TABLE 11 Type I, Style 8—Sinker Nails[A]

NOTE—Steel wire, flat countersunk head, diamond point, round smooth shank, bright or cement coated. When specified, sinkers shall have an altered or T-head for use with mechanical drivers.

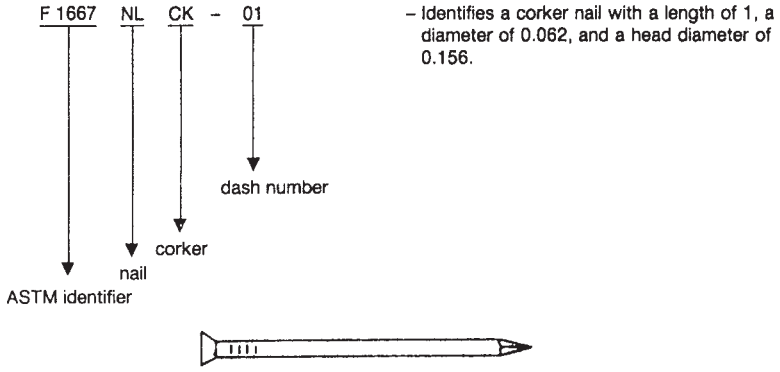


Dash No.	S	L	D	H	No./lb	Dash No.	S	L	D	H	No./lb
01	3d	1⅛	0.067	0.172	940	08	12d	3⅛	0.135	0.312	81
02	4d	1⅜	0.080	0.203	530	09	16d	3¼	0.148	0.344	64
03	5d	1⅝	0.086	0.219	390	10	20d	3¾	0.177	0.375	40
04	6d	1⅞	0.092	0.234	290	11	30d	4¼	0.192	0.406	30
05	7d	2⅛	0.099	0.250	220	12	40d	4¾	0.207	0.438	23
06	8d	2⅜	0.113	0.266	150	13	60d	5¾	0.244	0.500	14
07	10d	2⅞	0.120	0.281	110	...	...	...	...	...	...

[A] All dimensions are given in inches.

TABLE 12 Type I, Style 9—Corker Nails[A]

NOTE—Steel wire, flat countersunk head, diamond point, round smooth shank, cement coated. When specified, corkers shall have an altered or T-head for use with mechanical drivers.

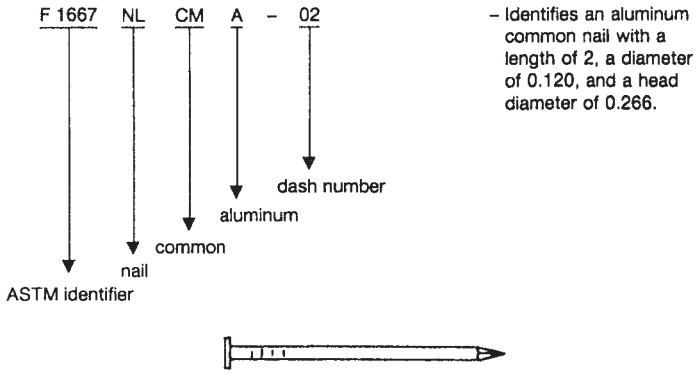


Dash No.	S	L	D	H	No./lb	Dash No.	S	L	D	H	No./lb
01	2d	1	0.062	0.156	1220	09	10d	2⅞	0.135	0.312	89
02	3d	1¼	0.072	0.188	720	10	12d	3⅛	0.135	0.312	81
03	4d	1½	0.086	0.219	420	11	16d	3⅜	0.148	0.344	62
04	5d	1⅝	0.086	0.219	320	12	20d	3⅞	0.177	0.375	38
05	6d	1⅞	0.099	0.250	250	13	30d	4⅜	0.192	0.406	29
06	7d	2⅛	0.099	0.250	220	14	40d	4⅞	0.207	0.438	22
07	8d	2⅜	0.120	0.281	130	15	50d	5⅜	0.226	0.469	17
08	9d	2⅝	0.120	0.281	120	16	60d	5⅞	0.244	0.500	13

[A] All dimensions are given in inches.

TABLE 13 Type I, Style 10—Common Nails[A]

NOTE—Aluminum alloy wire, flat head, diamond point, round smooth shank, or, when specified, square barbed shank.



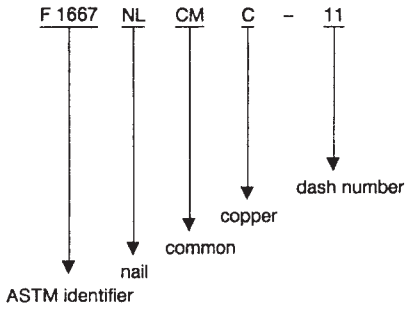
F 1667 NLCMA

Dash No.	S	L	D	H	No./lb	Dash No.	S	L	D	H	No./lb
01	4d	1½	0.099	0.250	830	04	10d	3	0.162	0.312	170
02	6d	2	0.120	0.266	430	05	16d	3½	0.177	0.344	120
03	8d	2½	0.148	0.281	220	06	20d	4	0.199	0.406	78

[A] All dimensions are given in inches.

TABLE 14 Type I, Style 10—Common Nails[A]

NOTE—Copper wire, flat head, diamond point, round smooth shank.

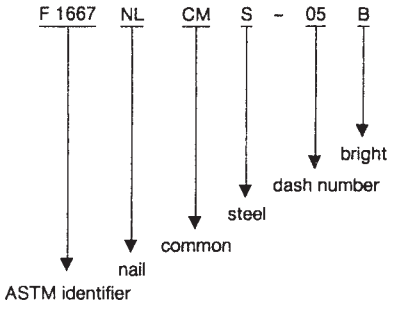


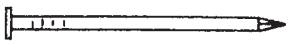
F 1667 NLCMC									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	5/8	0.065	0.156	1380	10	2	0.120	0.266	130
02	3/4	0.065	0.156	1160	11	2	0.134	0.281	. . .
03	3/4	0.072	0.172	960	12	2 1/2	0.134	0.281	86
04	7/8	0.072	0.172	810	13	3	0.148	0.312	56
05	1	0.072	0.172	700	14	3 1/2	0.165	0.344	40
06	1 1/4	0.083	0.203	420	15	4	0.203	0.406	23
07	1 1/2	0.109	0.250	210	16	4 1/2	0.220	0.438	18
08	1 3/4	0.109	0.250	180	17	5	0.238	0.469	14
09	1 3/4	0.120	0.266	140	18	6	0.284	0.531	8

[A] All dimensions are given in inches.

TABLE 15 Type I, Style 10—Common Nails[A]

NOTE—Steel wire, flat head, diamond point, round smooth shank, bright, zinc or cement coated as specified.



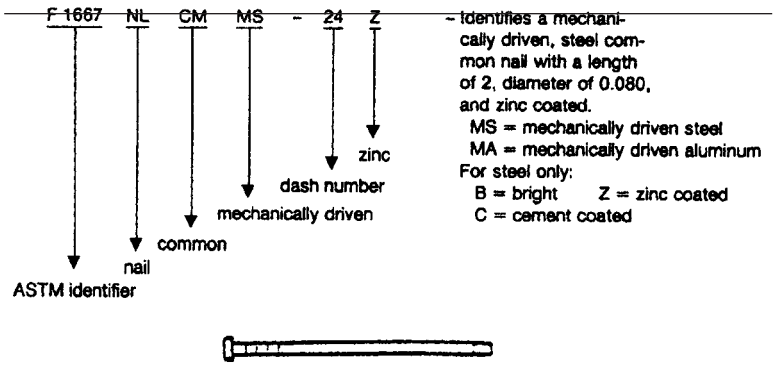


F 1667 NLCMS											
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.072	0.172	850	09	10d	3	0.148	0.312	66
02	3d	1 1/4	0.080	0.203	540	10	12d	3 1/4	0.148	0.312	61
03	4d	1 1/2	0.099	0.250	290	11	16d	3 1/2	0.162	0.344	47
04	5d	1 3/4	0.099	0.250	250	12	20d	4	0.192	0.406	30
05	6d	2	0.113	0.266	170	13	30d	4 1/2	0.207	0.438	23
06	7d	2 1/4	0.113	0.266	150	14	40d	5	0.226	0.469	17
07	8d	2 1/2	0.131	0.281	100	15	50d	5 1/2	0.244	0.500	14
08	9d	2 3/4	0.131	0.281	92	16	60d	6	0.262	0.531	11

[A] All dimensions are given in inches.

TABLE 16 Type I, Style 10—Common Nails[A]

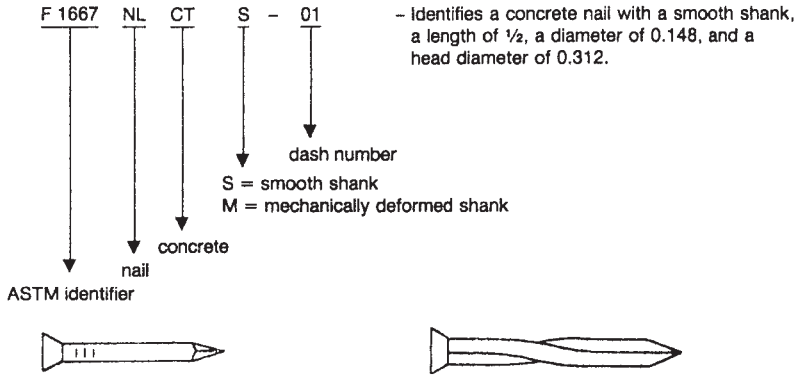
NOTE—Aluminum alloy wire, or steel wire, (bright, zinc coated or cement coated), altered or T-head, diamond or chisel point, round smooth shank, as specified. For use with mechanical drivers.



F 1667 NLCMM																	
Dash No.	*L*	*D*	Dash No.	*L*	*D*	Dash No.	*L*	*D*	Dash No.	*L*	*D*	Dash No.	*L*	*D*	Dash No.	*L*	*D*
01	1¼	0.080	15	1¾	0.086	29	2	0.148	43	1¾	0.120	57	2⅜	0.113	71	3	0.131
02	1¼	0.086	16	1¾	0.092	30	2¼	0.092	44	1⅞	0.120	58	2⅜	0.120	72	3	0.148
03	1¼	0.092	17	1¾	0.099	31	2¼	0.099	45	1⅞	0.131	59	2⅜	0.131	73	3¼	0.120
04	1¼	0.099	18	1¾	0.113	32	2¼	0.113	46	1⅞	0.148	60	2⅜	0.148	74	3¼	0.131
05	1½	0.080	19	1⅞	0.080	33	2½	0.092	47	2	0.120	61	2½	0.120	75	3¼	0.148
06	1½	0.086	20	1⅞	0.086	34	2½	0.099	48	2	0.131	62	2½	0.148	76	3½	0.135
07	1½	0.092	21	1⅞	0.092	35	2½	0.113	49	2⅛	0.099	63	2½	0.162	77	3½	0.148
08	1½	0.099	22	1⅞	0.099	36	2½	0.131	50	2⅛	0.113	64	2⅝	0.148	78	3½	0.162
09	1½	0.113	23	1⅞	0.113	37	3½	0.131	51	2⅛	0.120	65	2¾	0.120	79	4	0.148
10	1⅝	0.080	24	2	0.080	38	1½	0.120	52	2⅛	0.131	66	2¾	0.131	80	4	0.162
11	1⅝	0.086	25	2	0.086	39	1½	0.131	53	2⅛	0.148	67	2¾	0.148	81	4½	0.148
12	1⅝	0.092	26	2	0.092	40	1½	0.148	54	2¼	0.120	68	2⅞	0.120	82	4½	0.162
13	1⅝	0.099	27	2	0.099	41	1½	0.162	55	2¼	0.131	69	3	0.120	...	...	...
14	1¾	0.080	28	2	0.113	42	1⅝	0.113	56	2¼	0.148	70	3	0.128	...	...	...

TABLE 17 Type I, Style 11—Concrete Nails[A]

NOTE—Harded steel, flat countersunk head, diamond point, smooth or mechanically deformed shank formed from round or square stock, as specified, bright finish.



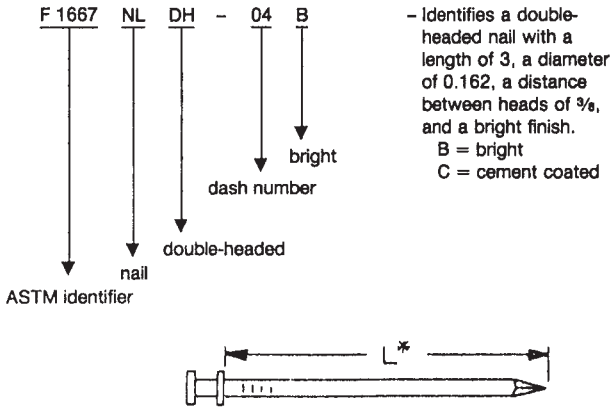
F 1667 NLCTS				
Dash No.	*L*	*D*	*H*	No./lb
01	½	0.148	0.312	450
02	⅝	0.148	0.312	350
03	¾	0.148	0.312	290
04	⅞	0.148	0.312	250
05	1	0.148	0.312	210

F 1667 NLCTM									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	¾	0.181	0.284	240	05	2	0.181	0.284	93
02	1	0.181	0.284	204	06	2½	0.181	0.284	68
03	1½	0.181	0.284	116	07	2¾	0.181	0.284	60
04	1¾	0.181	0.284	112	08	3	0.181	0.284	52

[A] All dimensions are given in inches.

TABLE 18 Type I, Style 12—Double-Headed Nails[A]

NOTE—Steel wire, flat heads, diamond point, round smooth shank, bright finish or cement coated.

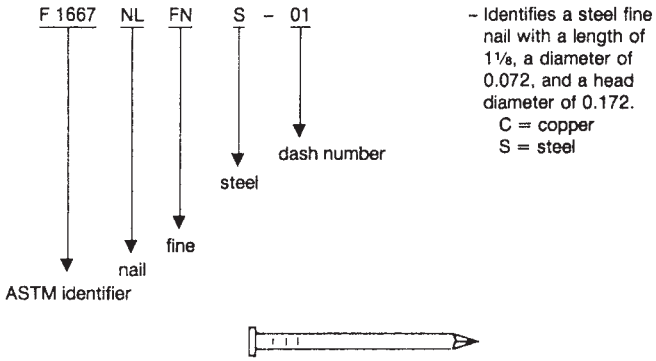


Dash No.	*S*	*L*	*D*	*B*	No./lb	Dash No.	*S*	*L*	*D*	*B*	No./lb
01	6d	1¾	0.113	¼	160	04	16d	3	0.162	⅜	45
02	8d	2¼	0.131	¼	90	05	20d	3½	0.192	⅜	28
03	10d	2¾	0.148	5⁄16	59	06	30d	4	0.207	7⁄16	22

[A] All dimensions are given in inches.

TABLE 19 Type I, Style 13—Fine Nails[A]

NOTE—Steel or copper wire, flat head, diamond point, round smooth shank, bright finish.

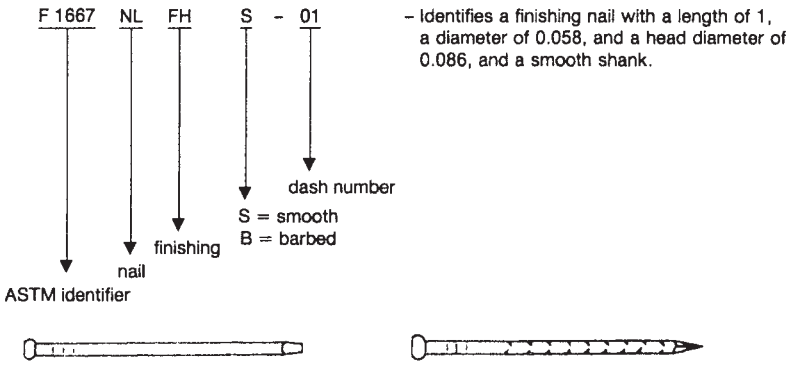


Dash No.	*S*	*L*	*D*	*H*	No./lb
01	3d	1⅛	0.072	0.172	760

[A] All dimensions are given in inches.

TABLE 20 Type I, Style 14—Finish Nails[A]

NOTE—Steel wire, brad head, altered or clipped T-head for use with mechanical drivers, diamond or chisel point, smooth or barbed shank formed from round or square stock, as specified, bright finished.

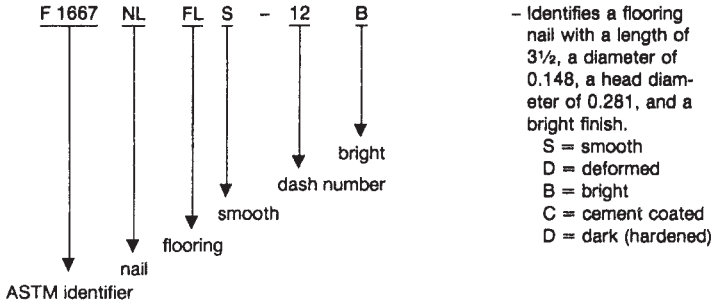


Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.058	0.086	1.470	07	8d	2½	0.099	0.142	190
02	3d	1¼	0.067	0.099	880	08	9d	2¾	0.099	0.142	180
03	4d	1½	0.072	0.106	630	09	10d	3	0.113	0.155	120
04	5d	1¾	0.072	0.106	530	10	12d	3¼	0.113	0.155	110
05	6d	2	0.092	0.135	290	11	16d	3½	0.120	0.162	93
06	7d	2¼	0.092	0.135	250	12	20d	4	0.135	0.177	65

[A] All dimensions are given in inches.

TABLE 21 Type I, Style 15—Flooring Nails[A]

NOTE—Harded steel or steel wire, casing head or flat-cupped countersunk head, diamond or blunt point, round, smooth or mechanically deformed shank, dark (hardened), bright (steel wire) or cement coated, as specified.



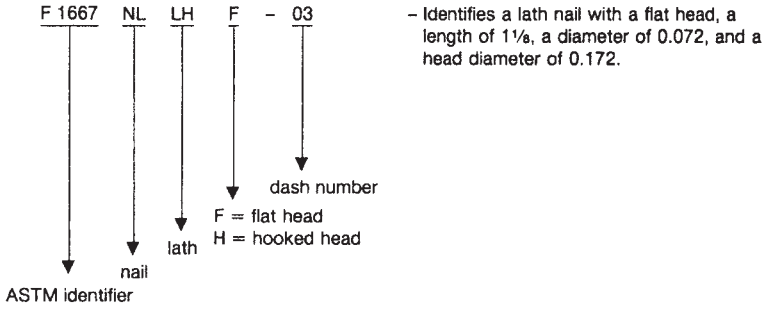
Smooth = = Deformed

Dash No.	S	L	D	H	No./lb	Dash No.	S	L	D	H	No./lb
01	2d	1	0.072	0.141	840	07	7d	2¼	0.113	0.203	160
02	3d	1¼	0.072	0.141	700	08	8d	2½	0.135	0.177	100
03	4d	1½	0.080	0.156	430	09	8d	2½	0.113	0.203	110
04	4d	1½	0.092	0.156	370	10	10d	3	0.135	0.250	82
05	5d	1¾	0.092	0.156	310	11	12d	3¼	0.135	0.250	75
06	6d	2	0.113	0.203	180	12	16d	3½	0.148	0.281	58

[A] All dimensions are given in inches.

TABLE 22 Type I, Style 16—Lath Nails[A]

NOTE—Steel wire, flat head, diamond point, round smooth shank, blued finish.

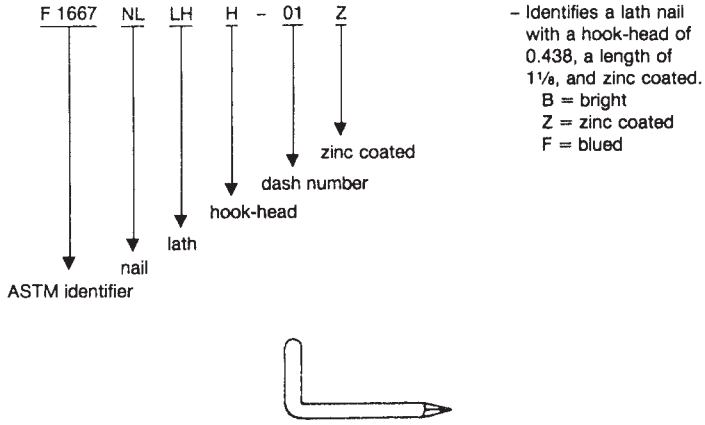


F 1667 NLLHF					
Dash No.	S	L	D	H	No./lb
01	2d	1	0.058	0.141	1.280
02	3d	1⅛	0.062	0.156	980
03	3d	1⅛	0.072	0.172	760

[A] All dimensions are given in inches.

TABLE 23 Type I, Style 16—Lath Nails[A]

NOTE—Steel wire, flat hook-head, diamond point, round smooth shank, bright, blued, or zinc coated as specified.

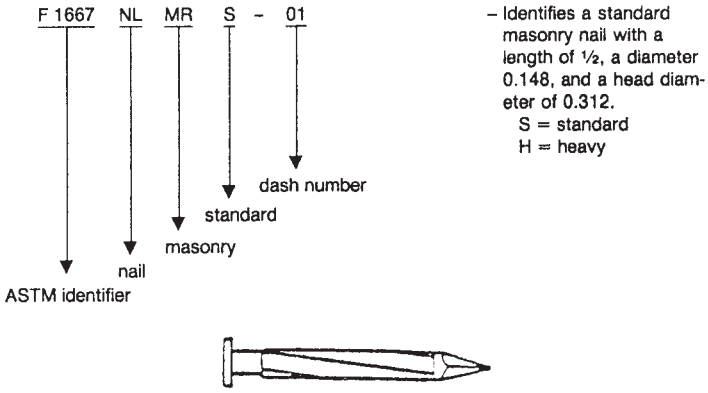


F 1667 NLLHH				
Dash No.	*L*	*D*	*H*	No./lb
01	1⅛	0.106	0.438	280

[A] All dimensions are given in inches.

TABLE 24 Type I, Style 17—Masonry Nails[A]

NOTE—Hardened steel, flat or flat countersunk head, diamond point, mechanically deformed shank, bright finish.



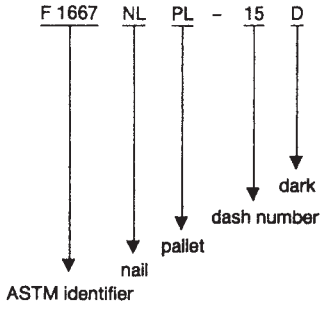
F 1667 NLMR									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	½	0.148	0.312	340	09	2½	0.148	0.312	76
02	¾	0.148	0.312	280	10	2¾	0.148	0.312	70
03	1	0.148	0.312	170	11	3	0.148	0.312	67
04	1¼	0.148	0.312	140	12	3¼	0.148	0.312	60
05	1½	0.148	0.312	130	13	3½	0.162	0.344	48
06	1¾	0.148	0.312	110	14	3¾	0.162	0.344	45
07	2	0.148	0.312	98	15	4	0.177	0.375	35
08	2¼	0.148	0.312	84	...	...	...	...	...

F 1667 NLMRH									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	1	0.250	0.562	63	05	2	0.250	0.562	34
02	1¼	0.250	0.562	47	06	2½	0.250	0.562	27
03	1½	0.250	0.562	43	07	3½	0.250	0.562	19
04	1¾	0.250	0.562	39	08	3	0.250	0.562	24

[A] All dimensions are given in inches.

TABLE 25 Type I, Style 18—Pallet Nails[A]

NOTE—Hardened steel or steel wire (for mechanical drivers), flat head, altered or T-Head (for mechanical drivers), diamond point, round, mechanically deformed shank, bright finish (steel wire), or dark (hardened), as specified.



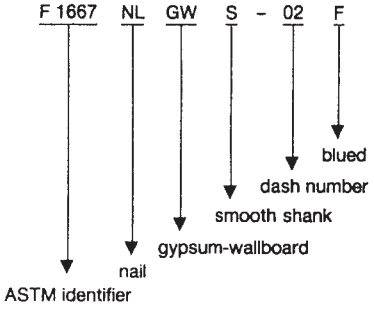
– Identifies a pallet nail with a length of 4, a diameter of 0.177, a head diameter of 0.438, and dark (hardened).
B = bright
D = dark (hardened)

Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	1½	0.120	0.281	190	11	3¼	0.148	0.312	61
02	1⅝	0.120	0.281	170	12	3½	0.148	0.312	57
03	2	0.120	0.281	140	13	3½	0.162	0.375	47
04	2¼	0.120	0.281	130	14	3½	0.177	0.438	38
05	2½	0.120	0.281	120	15	4	0.177	0.438	35
06	2½	0.135	0.312	93	16	4	0.177	0.375	35
07	3	0.120	0.281	98	17	5	0.177	0.375	27
08	3	0.135	0.312	79	18	6	0.177	0.375	23
09	3	0.148	0.312	66	19	7	0.207	0.500	15
10	3¼	0.135	0.312	73	20	8	0.207	0.500	13

[A] All dimensions are given in inches.

TABLE 26 Type I, Style 19—Gypsum-Wallboard, Gypsumboard, and Drywall Nails[A]

NOTE—Steel wire, flat head, diamond point, round smooth or deformed shank, bright or blued finish.



– Identifies a gypsum-wallboard nail with a smooth shank, a length of 1⅛, a diameter of 0.092, a head diameter of 0.375, and blued.
S = smooth shank
M = deformed shank
B = bright
F = blued

F 1667 NLGWS				
Dash No.	*L*	*D*	*H*	No./lb
01	1⅛	0.092	0.297	470
02	1⅛	0.092	0.375	450
03	1¼	0.092	0.297	420
04	1¼	0.106	0.375	310
05	1¾	0.092	0.375	290

[A] All dimensions are given in inches.

TABLE 27 Type I, Style 19—Gypsum-Wallboard, Gypsumboard, and Drywall Nails[A]

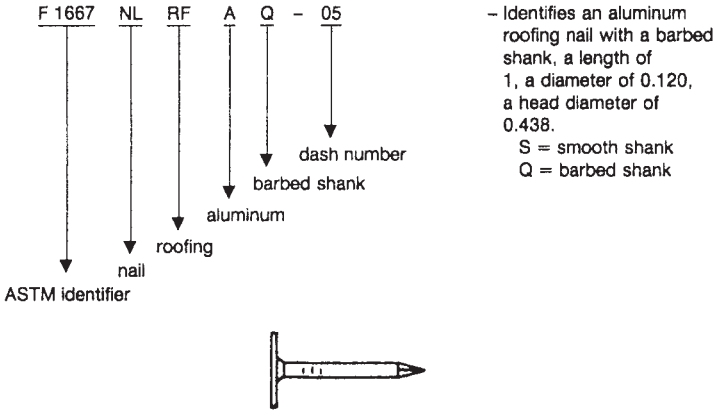
NOTE—Steel wire, flat slightly countersunk head, long diamond point, round mechanically deformed shank, bright or blued finish.

F 1667 NLGWM				
Dash No.	*L*	*D*	*H*	No./lb
01	1⅛	0.099	0.250	380
02	1¼	0.099	0.250	340
03	1⅜	0.099	0.250	320
04	1½	0.099	0.250	290
05	1⅝	0.099	0.250	270

[A] All dimensions are given in inches.

TABLE 28 Type I, Style 20—Roofing Nails[A]

NOTE—Aluminum alloy wire, flat head, diamond point, round smooth shank, or, when specified, square-barbed shank.

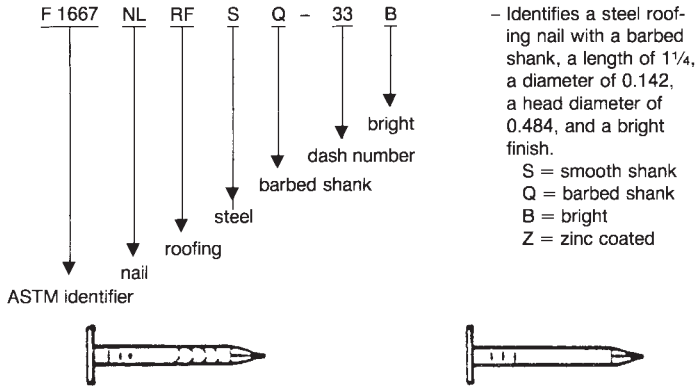


F 1667 NLRFA									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	¾	0.120	0.438	940	08	1¼	0.120	0.438	620
02	¾	0.135	0.438	750	09	1¼	0.135	0.438	490
03	⅞	0.120	0.438	830	10	1½	0.120	0.438	520
04	⅞	0.135	0.438	660	11	1½	0.135	0.438	420
05	1	0.120	0.438	700	12	1¾	0.135	0.438	370
06	1	0.135	0.438	600	13	2	0.135	0.438	340
07	1	0.135	0.438	580	14	2½	0.145	0.438	230

[A] All dimensions are given in inches.

TABLE 29 Type I, Style 20—Roofing Nails[A]

NOTE—Steel wire, flat head, diamond point, round, smooth or barbed shank, bright or zinc coated, as specified, for hand driving or for use with mechanical drivers.

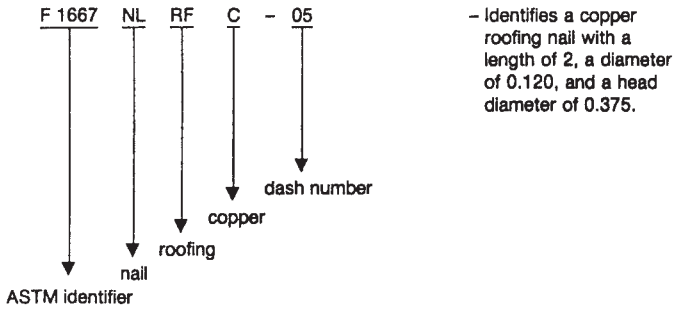


F 1667 NLRFS									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	¾	0.106	0.375	460	29	1¼	0.120	0.312	240
02	¾	0.120	0.438	340	30	1¼	0.120	0.438	220
03	¾	0.135	0.469	270	31	1¼	0.120	0.500	. . .
04	¾	0.142	0.484	240	32	1¼	0.135	0.469	180
05	¾	0.148	0.500	220	33	1¼	0.142	0.484	160
06	¾	0.162	0.500	200	34	1¼	0.148	0.500	140
07	⅞	0.106	0.375	. . .	35	1¼	0.162	0.500	120
08	⅞	0.120	0.438	300	36	1½	0.106	0.375	. . .
09	⅞	0.120	0.500	250	37	1½	0.120	0.438	180
10	⅞	0.135	0.469	240	38	1½	0.120	0.500	160
11	⅞	0.142	0.484	210	39	1½	0.135	0.469	150
12	⅞	0.148	0.500	190	40	1½	0.142	0.484	130
13	⅞	0.162	0.500	170	41	1½	0.148	0.500	120
14	1	0.106	0.281	380	42	1½	0.162	0.500	110
15	1	0.106	0.375	360	43	1¾	0.106	0.375	220
16	1	0.120	0.438	270	44	1¾	0.120	0.438	160
17	1	0.120	0.500	220	45	1¾	0.120	0.500	140
18	1	0.135	0.469	210	46	1¾	0.135	0.469	130
19	1	0.142	0.484	190	47	1¾	0.142	0.484	120
20	1	0.148	0.500	170	48	1¾	0.148	0.500	110
21	1	0.162	0.500	150	49	1¾	0.162	0.500	92
22	1⅛	0.106	0.375	320	50	¾	0.120	0.375	290
23	1⅛	0.120	0.438	240	51	⅞	0.120	0.375	259
24	1⅛	0.135	0.469	190	52	1	0.120	0.375	232
25	1⅛	0.142	0.484	170	53	1¼	0.120	0.375	209
26	1⅛	0.148	0.500	160	54	1½	0.120	0.375	179
27	1⅛	0.162	0.500	140	55	1¾	0.120	0.375	157
28	1¼	0.106	0.375	300	. . .	. . .	. . .	. . .	. . .

[A] All dimensions are given in inches.

TABLE 30 Type I, Style 20—Roofing Nails[A]

NOTE—Copper-clad wire, flat head, diamond point, round smooth shank.

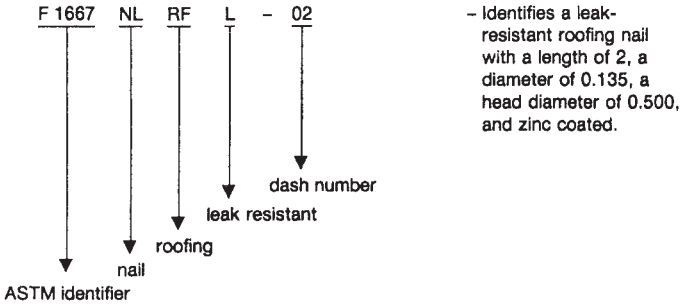


F 1667 NLRFC											
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.120	0.375	280	04	5d	1¾	0.120	0.375	160
02	3d	1¼	0.120	0.375	220	05	6d	2	0.120	0.375	140
03	4d	1½	0.120	0.375	190	06	7d	2¼	0.120	0.375	130

[A] All dimensions are given in inches.

TABLE 31 Type I, Style 20—Roofing Nails[A]

NOTE—Steel wire, leak-resistant convex head, diamond point, round smooth shank, zinc coated.

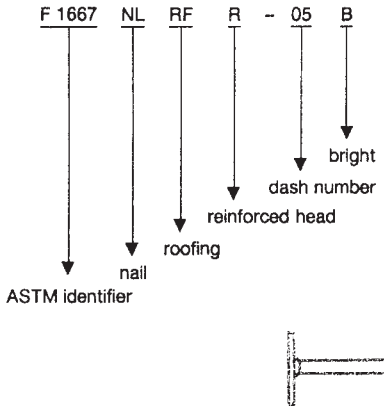


F 1667 NLRFL				
Dash No.	*L*	*D*	*H*	No./lb
01	1¾	0.135	0.500	110
02	2	0.135	0.500	98

[A] All dimensions are given in inches.

TABLE 32 Type I, Style 20—Roofing Nails[A]

NOTE—Steel wire, flat reinforced head, needle or diamond point, round smooth shank, bright or zinc coated, as specified. (For prepared felt roofing.)

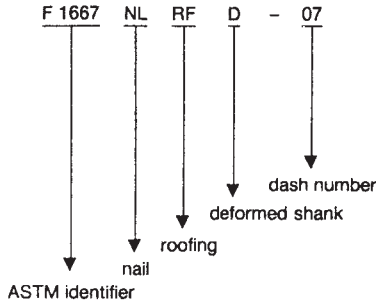


F 1667 NLRFR									
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	3/4	0.106	0.625	190	06	1	0.120	0.625	150
02	3/4	0.120	0.625	170	07	1 1/8	0.106	0.625	170
03	7/8	0.106	0.625	180	08	1 1/8	0.120	0.625	140
04	7/8	0.120	0.625	160	09	1 1/4	0.106	0.625	160
05	1	0.106	0.625	170	10	1 1/4	0.106	0.625	140

[A] All dimensions are given in inches.

TABLE 33 Type I, Style 20—Roofing Nails[A]

NOTE—Steel wire, 1–in. flat integral steel cap, diamond point, round mechanically deformed shank, bright finish for roofing felts.

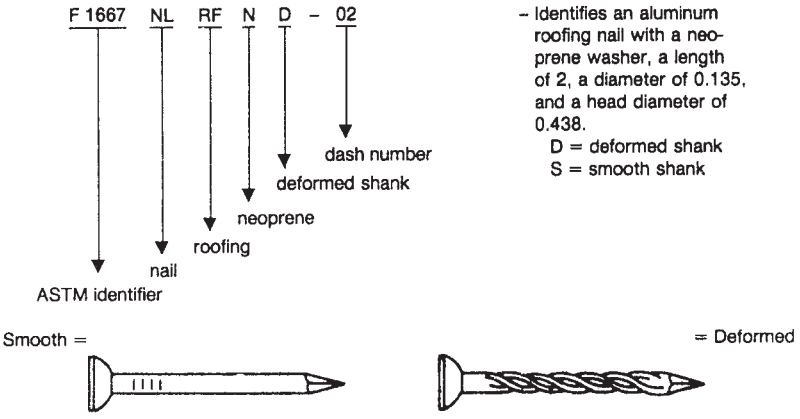


F 1667 NLRFD							
Dash No.	*L*	*D*	No./lb	Dash No.	*L*	*D*	No./lb
01	1/2	0.106	130	07	1 1/4	106	100
02	5/8	0.106	120	08	1 1/2	106–120	96–84
03	3/4	0.106	115	09	1 3/4	106–120	94–85
04	7/8	0.106	110	10	2	106–120	90–74
05	1	0.106	110	11	2 1/2	106–120	80–61
06	1 1/8	0.106	110	12	3	106	70

[A] All dimensions are given in inches.

TABLE 34 Type I, Style 20—Roofing Nails[A]

NOTE—Aluminum alloy wire, flat head with neoprene washer (for aluminum roofing sheet), diamond point, round, smooth, or mechanically deformed shank, as specified.

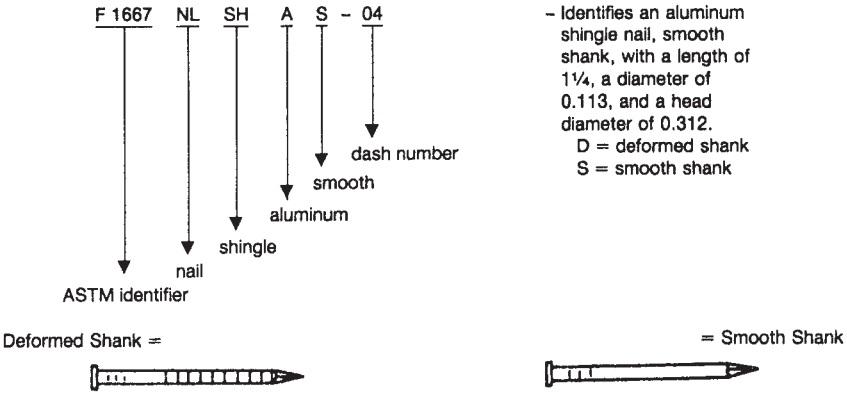


F 1667 NLRFNS					F 1667 NLRFND				
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	1¾	0.135	0.438	320	01	1¾	0.145	0.438	290
02	2	0.135	0.438	280	02	2	0.145	0.438	260
03	2¼	0.135	0.438	240	03	2¼	0.145	0.438	230
04	2½	0.135	0.438	210	04	2½	0.145	0.438	210

[A] All dimensions are given in inches.

TABLE 35 Type I, Style 21—Shingle Nails[A]

NOTE—Aluminum Alloy wire, flat head, diamond point, round, smooth or mechanically deformed shank, as specified.

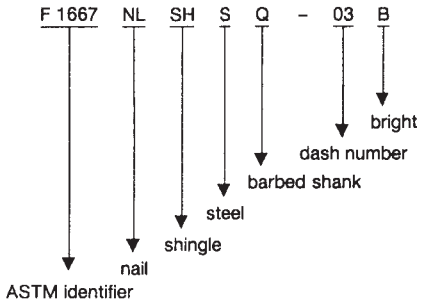


F 1667 NLSHAD					F 1667 NLSHAS				
Dash No.	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	1¼	0.101	0.191	1060	01	⅞	0.099	0.281	1310
02	1½	0.101	0.191	860	02	1¼	0.080	0.219	1480
03	1¾	0.105	0.191	720	03	1¼	0.099	0.281	1010
04	2	0.105	0.191	610	04	1¼	0.113	0.312	780
05	2¼	0.113	0.200	180	05	1½	0.113	0.312	660
06	2½	0.113	0.200	130	06	1¾	0.113	0.312	610

[A] All dimensions are given in inches.

TABLE 36 Type I, Style 21—Shingle Nails[A]

NOTE—Steel wire, flat head, diamond point, round, smooth (standard) or barbed (for special shingles) shank, bright or zinc coated, as specified.



Smooth =

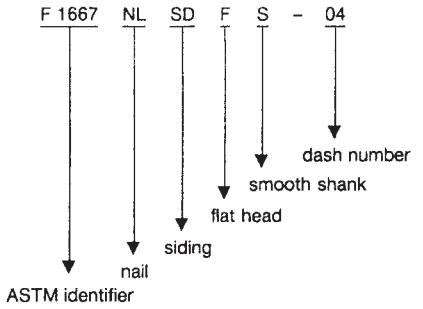
= Barbed

F 1667 NLSHSS						F 1667 NLSHNSB				
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*L*	*D*	*H*	No./lb
01	3d	1¼	0.092	0.250	410	01	1¼	0.113	0.406	250
02	3.5d	1⅜	0.099	0.281	310	02	1½	0.113	0.406	210
03	4d	1½	0.106	0.281	260	03	1¾	0.113	0.406	180
. . .	. . .	. . .	. . .	. . .	. . .	04	2	0.113	0.406	162

[A] All dimensions are given in inches.

TABLE 37 Type I, Style 22—Siding Nails[A]

NOTE—Aluminum alloy wire, flat head (insulated), casing or countersunk head (wood), as specified, diamond point, round smooth shank or, when specified, square-barbed shank.



Flat Head =

= Countersunk Head

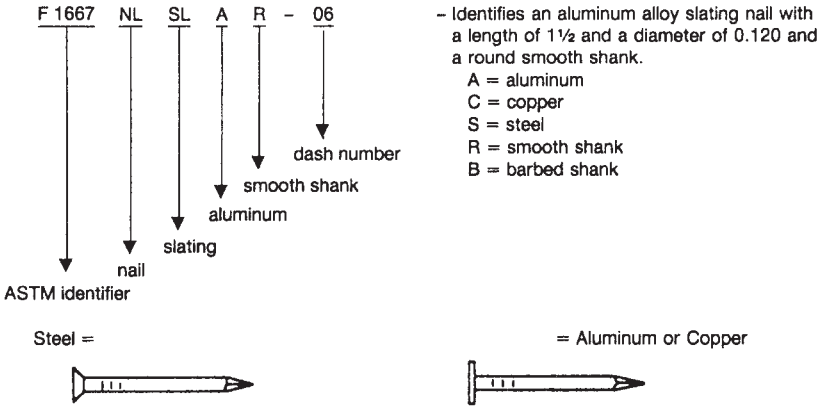
F 1667 NLSDF				
Dash No.	*L*	*D*	*H*	No./lb
01	1½	0.113	0.219	700
02	1½	0.113	0.312	660
03	2	0.113	0.219	490
04	2½	0.135	0.219	290

F 1667 NLSDC						F 1667 NLSDK					
Dash No.	*S*	*L*	*D*	*H*	No./lb	Dash No.	*S*	*L*	*D*	*H*	No./lb
01	6d	1⅞	0.106	0.141	600	01	6d	1⅞	0.106	0.266	600
02	7d	2⅛	0.113	0.141	470	02	7d	2⅛	0.113	0.266	470
03	8d	2⅜	0.128	0.156	320	03	8d	2⅜	0.128	0.297	320
04	9d	2⅝	0.148	0.189	200	04	9d	2⅝	0.148	0.312	200

[A] All dimensions are given in inches.

TABLE 38 Type I, Style 23—Slating Nails[A]

NOTE—Aluminum alloy, copper or steel wire as specified. Aluminum and copper nails shall have a flat head (0.312 to 0.375–in. diameter), diamond point, and round smooth shank or, when specified, square-barbed shank. Steel nails shall have a flat, slightly countersunk head, diamond point, round smooth shank, zinc coated.



F 1667 NLSLA			
Dash No.	*L*	*D*	No./lb
01	7/8	0.106	1170
02	1	0.106	1150
03	1¼	0.106	670
04	1¼	0.120	620
05	1¼	0.135	520
06	1½	0.120	530
07	1½	0.135	430

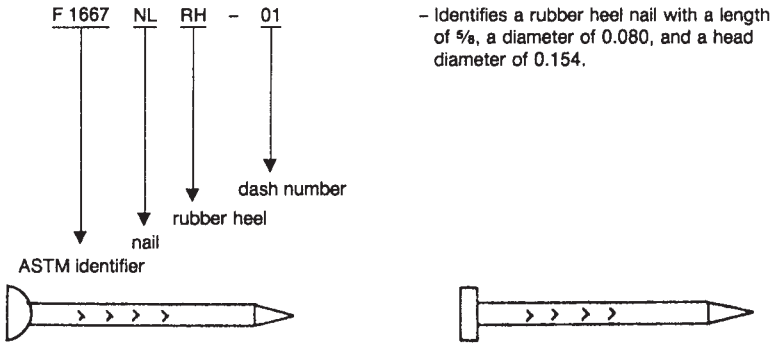
F 1667 NLSLC			
01	1	0.109	290
02	1¼	0.109	240
03	1¼	0.120	210
04	1¼	0.135	160
05	1½	0.109	200
06	1½	0.120	160
07	1½	0.135	130
08	1¾	0.135	120
09	2	0.135	110

F 1667 NLSLS					
Dash No.	*S*	*L*	*D*	*H*	No./lb
01	2d	1	0.106	0.312	420
02	3d	1¼	0.128	0.375	220
03	4d	1½	0.128	0.375	190
04	5d	1¾	0.135	0.406	140
05	6d	2	0.148	0.438	100

[A] All dimensions are given in inches.

TABLE 39 Type I, Style 24—Rubber Heel Nails[A]

NOTE—Steel wire, flat or countersunk head, as specified, needle point, round smooth shank, bright finish.

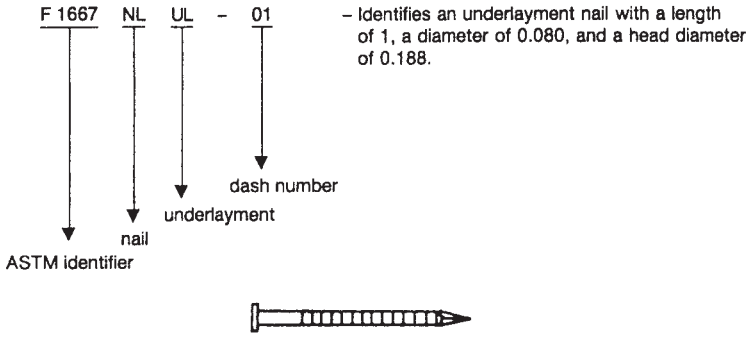


Dash No.	L	D	H	Dash No.	L	D	H
01	5/8	0.080	0.154	04	1	0.080	0.154
02	3/4	0.080	0.154	05	1 1/8	0.080	0.154
03	7/8	0.080	0.154	06	1 1/4	0.080	0.154

[A] All dimensions are given in inches.

TABLE 40 Type I, Style 25—Underlayment Nails[A]

NOTE—Steel wire, flat or flat, slightly countersunk head, diamond point, round, mechanically deformed shank, bright finish.

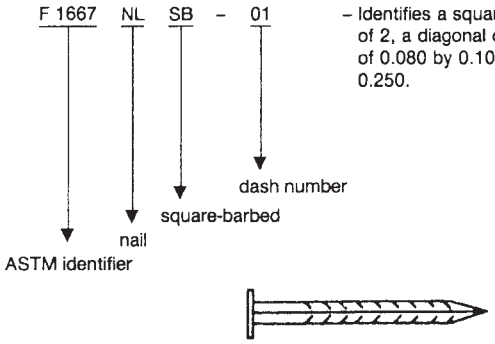


Dash No.	L	D	H	No./lb	Dash No.	L	D	H	S	No./lb
01	1	0.080	0.188	. . .	07	1 1/2	0.099	0.250	. . .	330
02	1 1/4	0.080	0.188	600	08	1 5/8	0.099	0.250	. . .	300
03	1 1/4	0.099	0.250	400	09	1 3/4	0.099	0.250	. . .	280
04	1 3/8	0.080	0.188	540	10	1 7/8	0.106	0.266	6d	170
05	1 3/8	0.099	0.250	360	11	2 1/8	0.109	0.266	7d	170
06	1 1/2	0.080	0.188	500	12	2 3/8	0.113	0.297	8d	140

[A] All dimensions are given in inches.

TABLE 41 Type I, Style 26—Barbed Nails[A]

NOTE—Steel wire, flat head, diamond point, square barbed shank, bright finish.

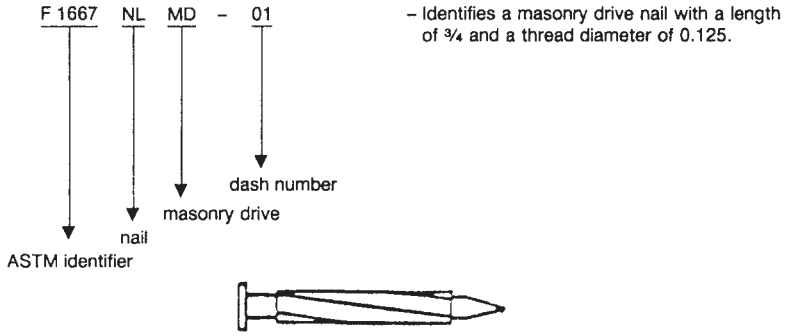


Dash No.	S	Style	L	Diagonal	Square Dimension	H	No./lb
01	6d	common	2	0.113	0.080 × 0.102	0.250	200
02	8d	common	2½	0.131	0.092 × 0.120	0.266	120
03	10d	common	3	0.148	0.105 × 0.135	0.281	84
04	16d	common	3½	0.162	0.113 × 0.149	0.312	59
05	20d	common	4	0.192	0.135 × 0.170	0.375	39
06	6d	box	2	0.099	0.072 × 0.089	0.250	260
07	8d	box	2½	0.113	0.080 × 0.102	0.266	150
08	6d	finish	2	0.092	0.062 × 0.083	0.124	320
09	8d	finish	2½	0.099	0.072 × 0.089	0.131	230
10	. . .	truss	1½	0.131	0.092 × 0.120	0.281	190

[A] All dimensions are given in inches.

TABLE 42 Type I, Style 27—Masonry Drive Nails[A]

NOTE—Hardened steel, flat head, cone pilot point, round, high pitch, multiple-start threaded shank, bright finish. When specified, masonry drive nails shall be proof lead tested.

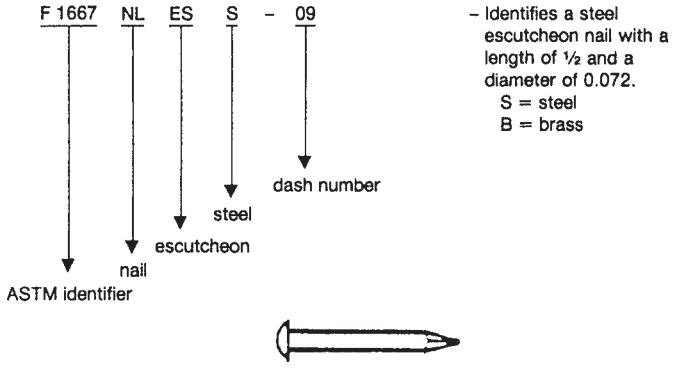


Dash No.	S	L	Thread Diameter	Dash No.	S	L	Thread Diameter
01	3/32	¾	0.125	4	3/16	1¼	0.215
02	⅛	¾	0.156	5	¼	1½	0.258
03	5/32	1	0.188	6	5/16	2	0.330

[A] All dimensions are given in inches.

TABLE 43 Type I, Style 28—Escutcheon Nails[A]

NOTE—Steel or brass wire, as specified, oval head, diamond point, round smooth shank.

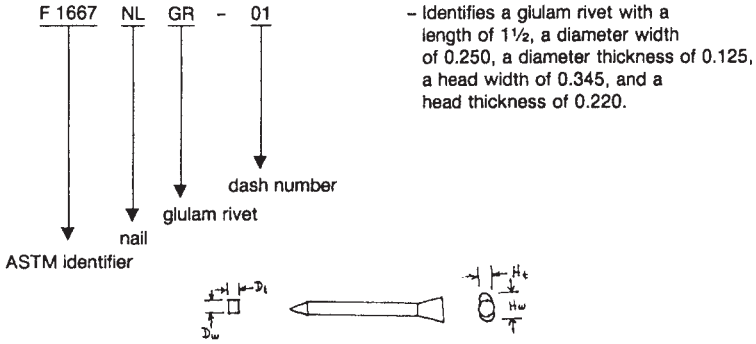


Dash No.	L	D	Dash No.	L	D	Dash No.	L	D
01	¼	0.035	14	¾	0.072	27	2	0.080
02	¼	0.048	15	¾	0.080	28	2	0.092
03	¼	0.062	16	¾	0.092	...	...	...
04	¼	0.072	17	1	0.048	...	...	...
05	¼	0.080	18	1	0.062	...	...	...
06	½	0.035	19	1	0.072	...	...	...
07	½	0.048	20	1	0.080	...	...	...
08	½	0.062	21	1	0.092	...	...	...
09	½	0.072	22	1¼	0.062	...	...	...
10	½	0.080	23	1¼	0.080	...	...	...
11	½	0.092	24	1¼	0.092	...	...	...
12	¾	0.048	25	1½	0.080	...	...	...
13	¾	0.062	26	1½	0.092	...	...	...

[A] All dimensions are given in inches.

TABLE 44 Type I, Style 29—Glulam Rivet[A]

NOTE—Hardened steel, flat countersunk head, diamond point, smooth shank, zinc coated, as specified.

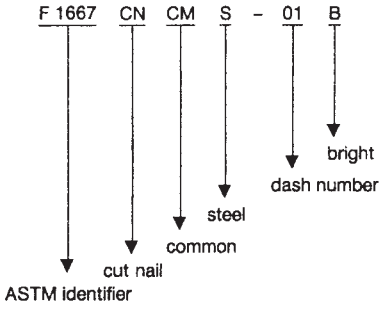


Dash No.	L	D_{width}[B]	$D_{thickness}$[B]	H_{width}[B]	$H_{thickness}$[B]	No./lb
01	1½	0.250	0.125	0.345	0.220	59
02	2½	0.250	0.125	0.345	0.220	34
03	3½	0.250	0.125	0.345	0.220	24

[A] All dimensions are given in inches.
[B] Tolerances: D_w – ±0.010, D_t – ±0.005, H_w – ±0.010, and H_t – ±0.010.

TABLE 45 Type II, Style 1—Common Cut Nails[A]

NOTE—Steel or copper, flat head, bright finish.

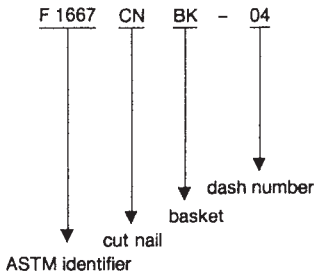


Dash No.	S	L	Dash No.	S	L	Dash No.	S	L
01	2d	1	07	7d	2¼	13	20d	4
02	3d	1¼	08	8d	2½	14	30d	4½
03	3½d	1⅜	09	9d	2¾	15	40d	5
04	4d	1½	10	10d	3	16	50d	5½
05	5d	1¾	11	12d	3¼	17	60d	6
06	6d	2	12	16d	3½	...	...	...

[A] All dimensions are given in inches.

TABLE 46 Type II, Style 2—Basket Cut Nails[A]

NOTE—Steel, flat head, bright finish.

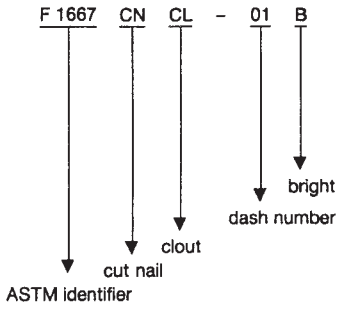


Dash No.	L	T	H	No./lb
01	⅝	0.049	0.180	2080
02	¾	0.049	0.180	1500
03	⅞	0.058	0.203	1060
04	1	0.058	0.220	930

[A] All dimensions are given in inches.

TABLE 47 Type II, Style 3—Clout Cut Nails[A]

NOTE—Steel, flat head, bright finish, blued or zinc coated, as specified (see 5).



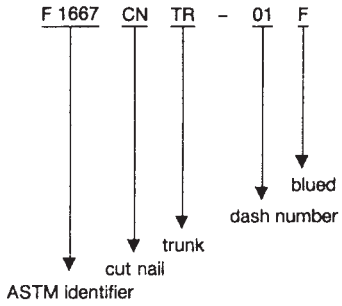
– Identifies a clout, cut nail with a length of 3/4, a thickness of 0.065, and a head diameter of 0.220, bright finish.
B = bright
F = blued
Z = zinc coated

Dash No.	*L*	*T*	*H*	No./lb
01	3/4	0.065	0.220	960
02	7/8	0.0685	0.238	770
03	1	0.072	0.259	580
04	1 1/4	0.0775	0.284	380

[A] All dimensions are given in inches.

TABLE 48 Type II, Style 4—Common Cut Nails[A]

NOTE—Steel, oval head, bright finish, blued, brass or copper plated, as specified.



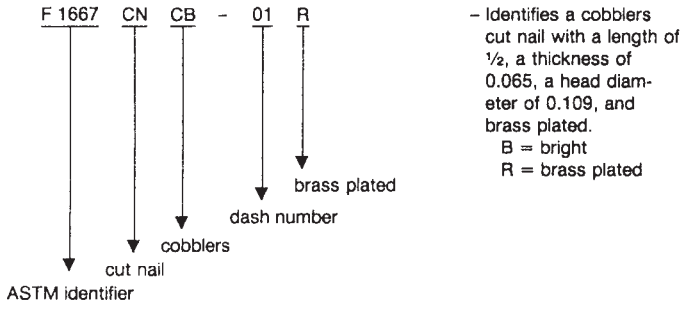
– Identifies a trunk cut nail with a length of 3/4, a thickness of 0.072, a head diameter of 0.2485, and blued finish.
B = bright
F = blued
R = brass plated
P = copper plated

Dash No.	*L*	*T*	*H*	No./lb
01	3/4	0.072	0.2485	670
02	7/8	0.072	0.2485	610
03	1	0.083	0.2715	450
04	1 1/4	0.083	0.2715	350

[A] All dimensions are given in inches.

TABLE 49 Type II, Style 5—Cobblers Cut Nails[A]

NOTE—Steel casing head, clinch point, bright finish or brass plated, as specified.

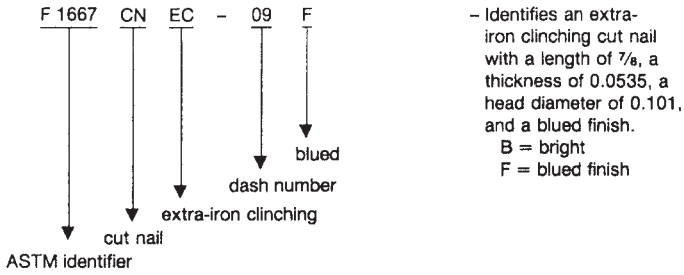


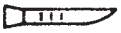
Dash No.	*L*	*T*	*H*	No./lb
01	½	0.065	0.109	1950
02	⅝	0.065	0.109	1500
03	¾	0.065	0.109	1340

[A] All dimensions are given in inches.

TABLE 50 Type II, Style 6—Extra-Iron Clinching Cut Nails[A]

NOTE—Steel, casing head, clinch point, bright finish or blued, as specified.



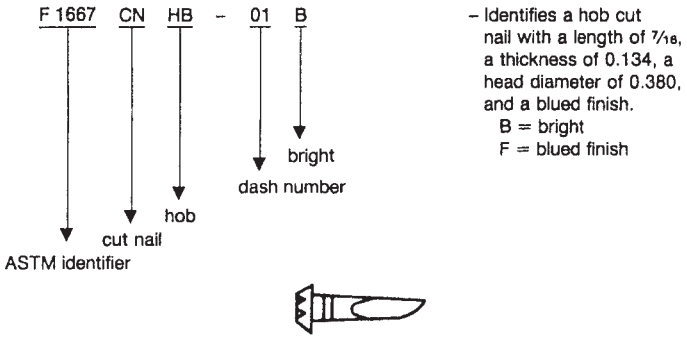


Dash No.	*L*	*T*	*H*	No./lb	Dash No.	*L*	*T*	*H*	No./lb
01	⅜	0.049	0.093	4.130	06	11/16	0.049	0.093	2000
02	7/16	0.049	0.093	3.400	07	¾	0.0535	0.101	1640
03	½	0.049	0.093	3.040	08	13/16	0.0535	0.101	1600
04	9/16	0.049	0.093	2.864	09	⅞	0.0535	0.101	1520
05	⅝	0.049	0.093	2.260	...	...	...	...	...

[A] All dimensions are given in inches.

TABLE 51 Type II, Style 7—Hob Cut Nails[A]

NOTE—Steel, square grooved head, clinch point, bright finish, or blued, as specified.

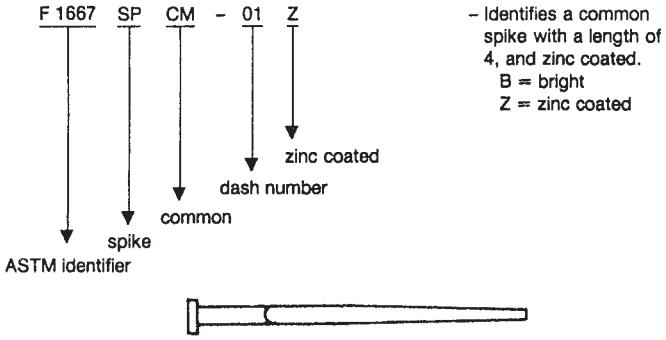


Dash No.	*L*	*T*	*H*	No./lb
01	7/16	0.134	0.380	270
02	1/2	0.134	0.380	260

[A] All dimensions are given in inches.

TABLE 52 Type III, Style 1—Common Spikes[A]

NOTE—These spikes shall be sheared from medium carbon sheet steel and shall have a wedged-shaped shank with a square point end narrower than the upset head end. They shall have a flat head, bright finish, or zinc coated, as specified.

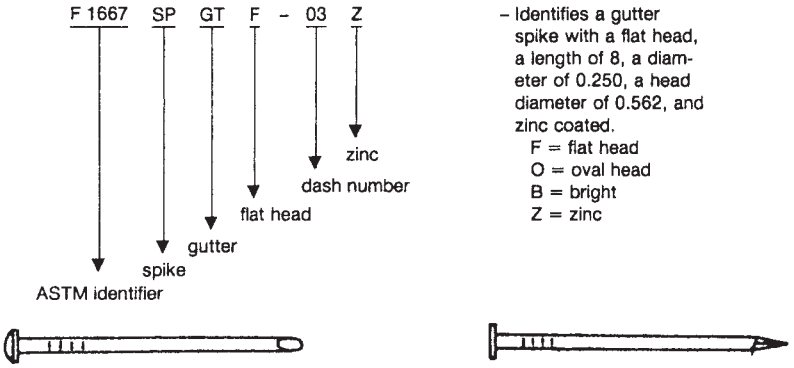


Dash No.	*S*	*L*	Dash No.	*S*	*L*
01	20d	4	05	60d	6
02	30d	4½	06	80d	7
03	40d	5	07	100d	8
04	50d	5½	...	...	...

[A] All dimensions are given in inches.

TABLE 53 Type III, Style 2—Gutter Spikes[A]

NOTE—Steel wire, oval head, chisel point, flat head, diamond point, bright finish or zinc coated, as specified.



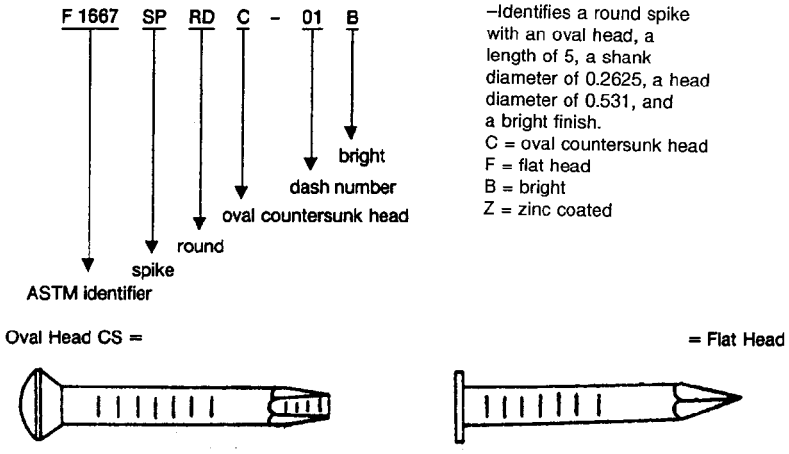
F 1667 SPGTF			
Dash No.	*L*	*D*	*H*
01	6½	0.250	0.562
02	7	0.250	0.562
03	8	0.250	0.562
04	8½	0.250	0.562
05	9	0.250	0.562
06	10	0.250	0.562
07	10½	0.250	0.562

F 1667 SPGTO			
Dash No.	*L*	*D*	*H*
01	6½	0.250	0.531
02	7	0.250	0.531
03	8	0.250	0.531
04	8½	0.250	0.531
05	9	0.250	0.531
06	10	0.250	0.531
07	10½	0.250	0.531

[A] All dimensions are given in inches.

TABLE 54 Type III, Style 3—Round Spikes[A]

NOTE—Steel wire, oval countersunk head, chisel point, flat head, diamond point, bright finish or zinc coated, as specified.

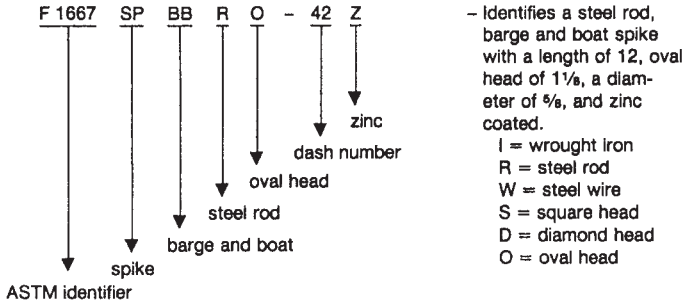


F 1667 SPRDC[A]					F 1667 SPRDF[A]			
Dash No.	*S*	*L*	*D*	*H*	Dash No.	*L*	*D*	*H*
01	40d	5	0.2625	0.531	01	8	0.312	0.625
02	50d	5½	0.283	0.562	02	8	0.312	0.750
03	60d	6	0.283	0.562	03	9	0.312	0.750
04	. . .	7	0.312	0.625	04	10	0.312	0.750
. . .	. . .	. . .	. . .	. . .	05	8	0.375	0.750

[A]All dimensions are given in inches.

TABLE 55 Type III, Style 4—Barge and Boat Spikes[A]

NOTE—Wrought iron, hot rolled steel rod or steel wire, square, diamond or oval head, chisel point, bright finish or zinc coated, as specified.

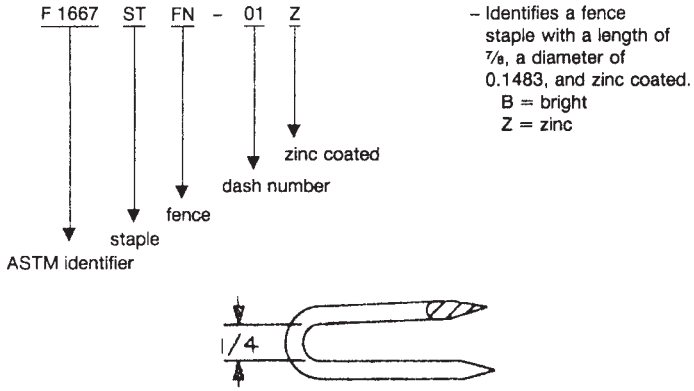


F 1667 SPBB							
Dash No.	*D*-Square	*H*	*L*	Dash No.	*D*-Square	*H*	*L*
01	¼	17/32	3	26	7/16	13/16	8
02	¼	17/32	3½	27	7/16	13/16	9
03	¼	17/32	4	28	7/16	13/16	10
04	¼	17/32	5	29	7/16	13/16	11
05	¼	17/32	6	30	7/16	13/16	12
06	¼	17/32	7	31	½	1	6
07	¼	17/32	8	32	½	1	7
08	5/16	19/32	3½	33	½	1	8
09	5/16	19/32	4	34	½	1	9
10	5/16	19/32	5	35	½	1	10
11	5/16	19/32	6	36	½	1	11
12	5/16	19/32	7	37	½	1	12
13	5/16	19/32	8	38	⅝	1⅛	8
14	⅜	11/16	3	39	⅝	1⅛	9
15	⅜	11/16	3½	40	⅝	1⅛	10
16	⅜	11/16	4	41	⅝	1⅛	11
17	⅜	11/16	5	42	⅝	1⅛	12
18	⅜	11/16	6	...	...	...	...
19	⅜	11/16	7	...	...	...	...
20	⅜	11/16	8	...	...	...	...
21	⅜	11/16	9	...	...	...	...
22	⅜	11/16	10	...	...	...	...
23	⅜	11/16	11	...	...	...	...
24	7/16	13/16	6	...	...	...	...
25	7/16	13/16	7	...	...	...	...

[A] All dimensions are given in inches.

TABLE 56 Type IV, Style 1—Fence Staples[A]

NOTE—Steel wire, bright finish or zinc coated, as specified.

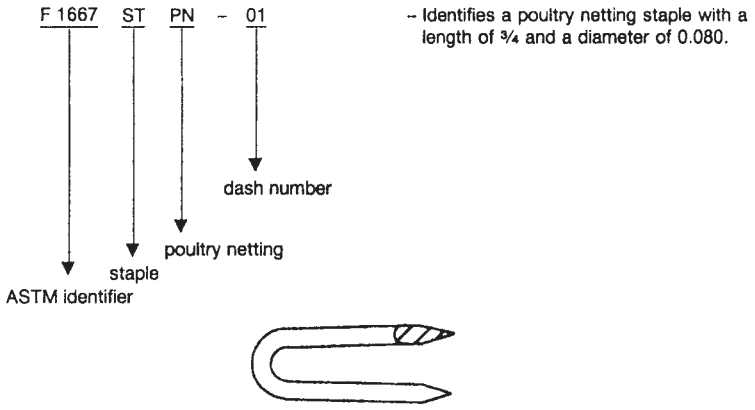


Dash No.	*L*	*D*	No./lb
01	7/8	0.1483	120
02	1	0.1483	110
03	1 1/8	0.1483	97
04	1 1/4	0.1483	87
05	1 1/2	0.1483	72
06	1 3/4	0.1483	61

[A] All dimensions are given in inches.

TABLE 57 Type IV, Style 2—Poultry Netting Staples[A]

NOTE—Steel wire, zinc coated.

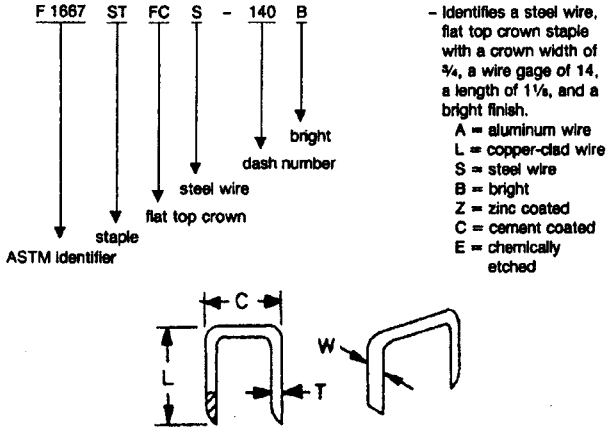


Dash No.	*L*	*D*	No./lb
01	3/4	0.080	500

[A] All dimensions are given in inches.

TABLE 58 Type IV, Style 3—Flat Top Crown Staples[A]

NOTE—Steel wire, aluminum alloy wire, bright finish, zinc coated, cement coated or chemically etched, as specified. (For use in power tools for fastening wood and other materials to wood.)



F 1667 STFC							
Dash No.	C	G[B]	L	Dash No.	C	G[B]	L
01	3/16	18	3/8	51	7/16	14	1 1/2
02	3/16	18	1/2	52	7/16	14	1 5/8
03	3/16	18	5/8	53	7/16	14	1 3/4
04	3/16	18	3/4	54	7/16	14	1 7/8
05	3/16	18	7/8	55	7/16	14	2
06	3/16	18	1	56	7/16	14	2 1/4
07	3/16	18	1 1/8	57	7/16	14	2 1/2
08	3/16	18	1 1/4	58	7/16	15	3/8
09	3/8	14	3/8	59	7/16	15	1/2
10	3/8	14	1/2	60	7/16	15	5/8
11	3/8	14	5/8	61	7/16	15	3/4
12	3/8	14	3/4	62	7/16	15	7/8
13	3/8	14	7/8	63	7/16	15	1
14	3/8	14	1 1/8	64	7/16	15	1 1/8
15	3/8	14	1 1/4	65	7/16	15	1 1/4
16	3/8	14	1 3/8	66	7/16	15	1 3/8
17	3/8	14	1 1/2	67	7/16	15	1 1/2
18	3/8	14	1 5/8	68	7/16	15	1 5/8
19	3/8	14	1 5/8	69	7/16	15	1 3/4
20	3/8	16	1 3/4	70	7/16	15	1 7/8
21	3/8	16	1/2	71	7/16	15	2
22	3/8	16	5/8	72	7/16	15	2 1/4
23	3/8	16	3/4	73	7/16	15	2 1/2
24	3/8	16	7/8	74	7/16	16	3/8
25	3/8	16	1 1/8	75	7/16	16	1/2
26	3/8	16	1 1/4	76	7/16	16	5/8
27	3/8	16	1 3/8	77	7/16	16	3/4
28	3/8	16	1 1/2	78	7/16	16	7/8
29	3/8	16	1 5/8	79	7/16	16	1
30	3/8	16	1 3/4	80	7/16	16	1 1/8
31	3/8	18	3/8	81	7/16	16	1 1/4
32	3/8	18	1/2	82	7/16	16	1 3/8
33	3/8	18	5/8	83	7/16	16	1 1/2
34	3/8	18	3/4	84	7/16	16	1 5/8
35	3/8	18	7/8	85	7/16	16	1 3/4
36	3/8	18	1 1/8	86	7/16	16	1 7/8
37	3/8	18	1 1/4	87	7/16	16	2
38	3/8	18	1 1/4	88	7/16	16	2 1/4
39	3/8	18	1 1/2	89	7/16	16	2 1/2
40	3/8	18	1 5/8	90	1/2	14	1/2
41	3/8	18	1 3/4	91	1/2	14	5/8
42	7/16	14	3/8	92	1/2	14	3/4
43	7/16	14	1/2	93	1/2	14	7/8
44	7/16	14	5/8	94	1/2	14	1
45	7/16	14	3/4	95	1/2	14	1 1/8
46	7/16	14	7/8	96	1/2	14	1 1/4
47	7/16	14	1	97	1/2	14	1 3/8
48	7/16	14	1 1/8	98	1/2	14	1 1/2
49	7/16	14	1 1/4	99	1/2	14	1 5/8
50	7/16	14	1 3/8	100	1/2	14	1 3/4

F 1667 STFC							
Dash No.	C	G[B]	L	Dash No.	C	G[B]	L
101	1/2	14	1 7/8	164	7/8	14	7/8
102	1/2	14	2	165	7/8	14	1
103	1/2	14	2 1/4	166	7/8	14	1 1/8
104	1/2	14	2 1/2	167	7/8	14	1 1/4
105	1/2	15	1/2	168	7/8	14	1 3/8
106	1/2	15	5/8	169	7/8	14	1 1/2
107	1/2	15	3/4	170	7/8	14	1 5/8
108	1/2	15	7/8	171	7/8	14	1 3/4
109	1/2	15	1	172	7/8	14	1 7/8
110	1/2	15	1 1/8	173	7/8	14	2
111	1/2	15	1 1/4	174	7/8	16	1/2
112	1/2	15	1 3/8	175	7/8	16	5/8
113	1/2	15	1 1/2	176	7/8	16	3/4
114	1/2	15	1 5/8	177	7/8	16	7/8
115	1/2	15	1 3/4	178	7/8	16	1
116	1/2	15	1 7/8	179	7/8	16	1 1/8
117	1/2	15	2	180	7/8	16	1 1/4
118	1/2	15	2 1/4	181	7/8	16	1 3/8
119	1/2	15	2 1/2	182	7/8	16	1 1/2
120	1/2	16	1/2	183	7/8	16	1 5/8
121	1/2	16	5/8	184	7/8	16	1 3/4
122	1/2	16	3/4	185	7/8	16	1 7/8
123	1/2	16	7/8	186	7/8	16	2
124	1/2	16	1	187	15/16	14	1/2
125	1/2	16	1 1/8	188	15/16	14	5/8
126	1/2	16	1 1/4	189	15/16	14	3/4
127	1/2	16	1 3/8	190	15/16	14	7/8
128	1/2	16	1 1/2	191	15/16	14	1
129	1/2	16	1 5/8	192	15/16	14	1 1/8
130	1/2	16	1 3/4	193	15/16	14	1 1/4
131	1/2	16	1 7/8	194	15/16	14	1 3/8
132	1/2	16	2	195	15/16	14	1 1/2
133	1/2	16	2 1/4	196	15/16	16	1/2
134	1/2	16	2 1/2	197	15/16	16	5/8
135	3/4	14	1/2	198	15/16	16	3/4
136	3/4	14	5/8	199	15/16	16	7/8
137	3/4	14	3/4	200	15/16	16	1
138	3/4	14	7/8	201	15/16	16	1 1/8
139	3/4	14	1	202	15/16	16	1 1/4
140	3/4	14	1 1/8	203	15/16	16	1 3/8
141	3/4	14	1 1/4	204	15/16	16	1 1/2
142	3/4	14	1 3/8	205	1	14	1/2
143	3/4	14	1 1/2	206	1	14	5/8
144	3/4	14	1 5/8	207	1	14	3/4
145	3/4	14	1 3/4	208	1	14	7/8
146	3/4	14	1 7/8	209	1	14	1
147	3/4	14	2	210	1	14	1 1/8
148	3/4	16	1/2	211	1	14	1 1/4
149	3/4	16	5/8	212	1	14	1 3/8
150	3/4	16	3/4	213	1	14	1 1/2
151	3/4	16	7/8	214	1	16	1/2
152	3/4	16	1	215	1	16	5/8
153	3/4	16	1 1/8	216	1	16	3/4
154	3/4	16	1 1/4	217	1	16	7/8
155	3/4	16	1 3/8	218	1	16	1
156	3/4	16	1 1/2	219	1	16	1 1/8
157	3/4	16	1 5/8	220	1	16	1 1/4
158	3/4	16	1 3/4	221	1	16	1 3/8
159	3/4	16	1 7/8	222	1	16	1 1/2
160	3/4	16	2	223	1 3/8	12	3/4
161	7/8	14	1/2	224	1 17/32	12	3/4
162	7/8	14	5/8	225	2 1/8	10	1
163	7/8	14	3/4	...	...	...	...

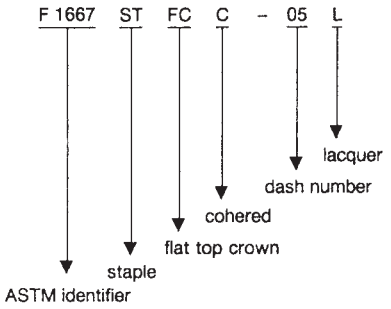
[A] All dimensions are given in inches.

[B] Dimensions and tolerances for gages of flat top crown staples:

		10 Gage		12 Gage		14 Gage				15 Gage		16 Gage		18 Gage	
		T	W	T	W	T	W			T	W	T	W	T	W
Nominal		.1250	.1400	.0935	.1120	.0735	.0855	Nominal		.0673	.073	.0563	.064	.038	.050
Maximum		.1290	.1440	.0975	.1160	.0775	.0895	Maximum		.0731	.076	.0626	.068	.0415	.0532
Minimum		.1210	.1360	.0895	.1080	.0695	.0815	Minimum		.0615	.070	.0500	.060	.0345	.0468
Tolerance	±	.0040	.0040	.0040	.0040	.0040	.0040	Tolerance	±	.0058	.003	.0063	.004	.0035	.0032

TABLE 59 Type IV, Style 3—Flat Top Crown Staples[A]

NOTE—Steel wire, chisel point, tin plated, zinc coated or lacquer finish, as specified, cohered together in strips. (For use in staple tackers or machines.) The number per strip shall be as specified and shall be suitable for use in the make and model of tool specified.

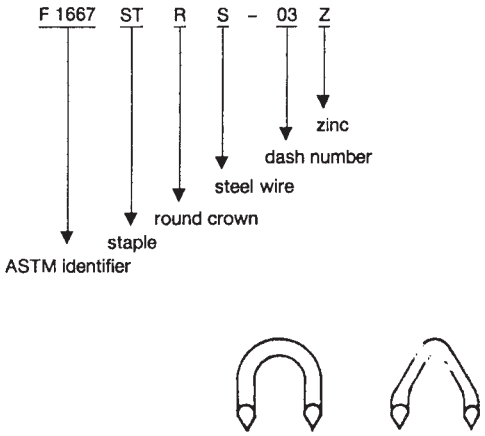


F 1667 STFCC							
Dash No.	*L*	*T* × *W*	*C*[B]	Dash No.	*L*	*T* × *W*	*C*[B]
01	3/16	0.020 × 0.030	0.500	10	9/16	0.020 × 0.050	0.437
02	1/4	0.020 × 0.030	0.500	11	3/8	0.030 × 0.050	0.164
03	5/16	0.020 × 0.030	0.500	12	1/2	0.030 × 0.050	0.164
04	1/4	0.020 × 0.050	0.500	13	5/8	0.030 × 0.050	0.164
05	5/16	0.020 × 0.050	0.500	14	3/4	0.030 × 0.050	0.164
06	3/8	0.020 × 0.050	0.500	15	7/8	0.030 × 0.050	0.164
07	1/2	0.020 × 0.050	0.500	16	1	0.030 × 0.050	0.164
08	3/8	0.020 × 0.050	0.437	17	1 1/8	0.030 × 0.050	0.164
09	1/2	0.020 × 0.050	0.437	18	1 1/4	0.030 × 0.050	0.164

[A] All dimensions are given in inches.
[B] Crown width, *C*, tolerances: 0.500 ± 0.015, 0.437 ± 0.010, and 0.164 ± 0.015.

TABLE 60 Type IV, Style 4—Round or "V" Crown Staple [A]

NOTE—Steel wire or copper-clad wire, bright finish, zinc coated, cement coated or chemically etched, as specified. (For use in power tools for fastening wood and other materials to wood.)

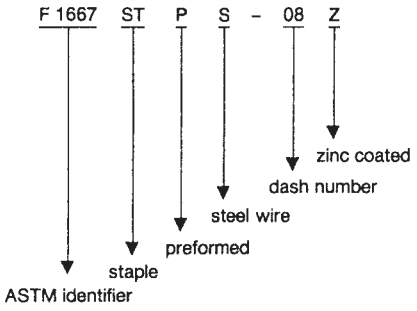


Dash No.	*C*[B]	*G*	*L*	Dash No.	*C*[B]	*G*	*L*
01	0.346	16	1/2	07	0.435	16	1/2
02	0.346	16	9/16	08	0.435	16	9/16
03	0.346	16	5/8	09	0.435	16	5/8
04	0.346	16	3/4	10	0.435	16	3/4
05	0.346	16	7/8	11	0.435	16	7/8
06	0.346	16	1	12	0.435	16	1

[A] All dimensions are given in inches.
[B] Crown width tolerances: +0.015 and −0.000.

TABLE 61 Type IV, Style 5—Preformed Staples[A]

NOTE—Steel wire, chisel point, zinc or cement coated, as specified. Copper-clad wire, chisel point, tinned or other plated finish, as specified. (Hand driven.)

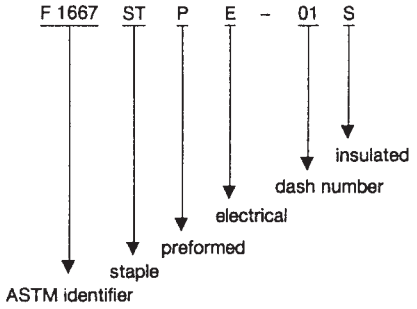


Dash No.	*L*	*C*	*D*	Flatten	Point Length	Point Angle, °	No./lb
01	3/8	7/32	0.054	0.040	3/16	13	1920
02	13/32	3/16	0.067	0.048	3/16	12	1380
03	7/16	7/32	0.067	0.048	1/4	12	1250
04	1/2	1/4	0.072	0.057	1/4	12	860
05	9/16	9/32	0.072	0.057	5/16	12	800
06	5/8	5/16	0.072	0.057	5/16	12	670
07	11/16	3/4	0.083	0.060	11/32	12	540
08	3/4	3/8	0.083	0.060	11/32	12	410

[A] All dimensions are given in inches.

TABLE 62 Type IV, Style 6—Electrical Staples[A]

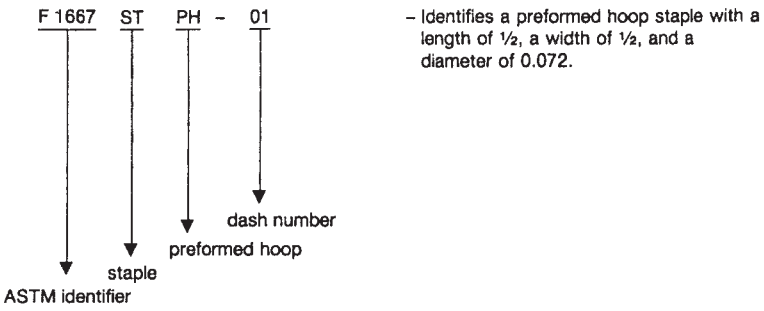
NOTE—Insulated or uninsulated, as specified.



Dash No.	*L*	*C*	*D*	Flatten	Point Length	Point Angle	No./lb
01	3/8	5/32	0.067	0.048	1/4	12	1440
02	1/2	3/16	0.072	0.057	1/4	12	990
03	5/8	1/4	0.072	0.057	5/16	12	740
04	3/4	3/16	0.083	0.060	11/32	12	480
05	3/4	1/4	0.083	0.060	11/32	12	450
06	7/8	1/4	0.083	0.060	11/32	12	400
07	7/8	7/16	0.083	0.060	11/32	12	370
08	1	1/2	0.120	0.050 × 0.215	3/8	18	. . .
09	1 1/4	5/8	0.120	0.050 × 0.215	3/8	18	. . .

[A] All dimensions are given in inches.

TABLE 63 Type IV, Style 7—Preformed Hooped Staple[A]



Dash No.	*L*	*C*	*D*	Flatten	No./lb
01	½	½	0.072	0.057	720
02	½	½	0.083	0.060	470
03	⅝	½	0.072	0.057	580
04	⅝	½	0.083	0.060	430
05	¾	½	0.072	0.057	490
06	¾	½	0.083	0.060	370
07	½	⅝	0.072	0.057	670
08	½	⅝	0.083	0.060	470
09	⅝	⅝	0.072	0.057	530
10	⅝	⅝	0.083	0.060	400
11	¾	⅝	0.072	0.057	460
12	¾	⅝	0.083	0.060	340
13	½	¾	0.072	0.057	580
14	½	¾	0.083	0.060	430
15	½	¾	0.109	0.083	260
16	⅝	¾	0.072	0.057	490
17	⅝	¾	0.083	0.060	370
18	⅝	¾	0.109	0.083	220
19	¾	¾	0.072	0.057	430
20	¾	¾	0.083	0.060	320
21	¾	¾	0.109	0.083	190
22	1	¾	0.072	0.057	350
23	1	¾	0.083	0.060	260
24	1	¾	0.109	0.083	150
25	½	⅞	0.072	0.057	530
26	½	⅞	0.083	0.060	400
27	⅝	⅞	0.072	0.057	460
28	⅝	⅞	0.083	0.060	340
29	¾	⅞	0.072	0.057	410
30	¾	⅞	0.083	0.060	300
31	⅞	⅞	0.072	0.057	360
32	⅞	⅞	0.083	0.060	270
33	⅝	1	0.083	0.060	320
34	⅝	1	0.109	0.083	200
35	¾	1	0.083	0.060	290
36	¾	1	0.109	0.083	180
37	⅞	1	0.083	0.060	260
38	⅞	1	0.109	0.083	160
39	1	1	0.083	0.060	240
40	1	1	0.109	0.083	140
41	¾	1¼	0.083	0.060	220
42	¾	1¼	0.109	0.083	130
43	. . .	1¼	0.083	0.060	180
44	1	1¼	0.109	0.083	140

[A] All dimensions are given in inches.

SUPPLEMENTARY REQUIREMENTS

The following supplementary requirements shall apply only when specified in the order or contract (5.1.7). Details of these supplementary requirements shall be agreed upon in writing between the manufacturer and the purchaser.

S1. Nail Bending Yield Strength

S1.1 When specified as a supplementary requirement for nails used for engineered construction, the nail's average bending yield

strengths shall meet, as a minimum, the yield strengths used in determining the lateral design loads tabulated in the AF&PA National Design Specification[6] for Wood Construction, NDS,[6] Part XII: Nails and Spikes.

S1.2 The minimum average bending yield strengths used by the NDS[6] as a function of the material and diameter of the nail are given in Table S1.1 and Table S1.2.

S1.3 *Test Method for Yield Strength*—In order to conform with the supplementary requirements of S1, the procedure of Test Method F 1575 shall be conducted on nail samples.

S1.4 At least five nails from each lot of 100 individual containers shall be examined and tested to determine conformance with this supplementary requirement.

S1.5 When labeled "Engineered Construction Nails, ASTM F 1667," nails must meet all requirements of F 1667 including Supplementary Requirements.

[6] Available from American Forest and Paper Association (AF&PA), 1111 19th Street, NW, Suite 800, Washington, DC 20036, *National Design Specification®, (NDS®), for Wood Construction.*

TABLE S1.1 Low to Medium Carbon Steel Nails and Spikes

Nominal Diameter, in.	Bending Yield, psi
0.099 ≤ 0.142	100 000
>0.142 ≤ 0.177	90 000
>0.177 ≤ 0.254	80 000
>0.254 ≤ 0.273	70 000
>0.273 ≤ 0.344	60 000
>0.344 ≤ 0.375	45 000

TABLE S1.2 Medium Carbon Steel Nails—Hardened

Nominal Diameter, in.	Bending Yield, psi
0.120 ≤ 0.142	130 000
>0.142 ≤ 0.192	115 000
>0.192 ≤ 0.207	100 000

SUMMARY OF CHANGES

Subcommittee F16.05 has identified the location of selected changes to this standard since the last issue (F 1667 - 02) that may impact the use of this standard (approved December 10, 2002).

(1) Wording which might be considered "permissive" was deleted from paragraphs 1.2, 10.2.1, and 10.3.1.
(2) Note B at the bottom of Table 58 was revised so that staple leg cross section dimensions would reflect industry practice.

Subcommittee F16.05 has identified the location of selected changes to this standard since the last issue (F 1667 - 02a) that may impact the use of this standard (approved May 10, 2003).

(1) Table references in Section 8.3.2 and 8.4.3 were revised.
(2) Added dash numbers 38 through 82 to Table 16.