

Designation: F906 - 85 (Reapproved2007)

An American National Standard

# Standard Specification for Letters and Numerals for Ships<sup>1</sup>

This standard is issued under the fixed designation F906; 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 ( $\varepsilon$ ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

#### 1. Scope

- 1.1 This specification specifies shape, size, spacing, and shading of letters and numerals to be used aboard ship.
  - 1.2 Characters are of Five Types:
  - 1.2.1 Type 1—Plain letters and numerals (16 units).
  - 1.2.2 Type 2—Block letters and numerals (12 units).
- 1.2.3 Type 3—Type 2 characters with shading (shading—1 unit).
- 1.2.4 Type 4—Block letters (10 units) and numerals (12 units).
- 1.2.5 Type 5—Type 4 characters with shading (shading—1 unit).
- 1.3 This specification does not give location or size of various shipboard markings incorporating letters and numerals.

#### 2. Ordering Information

2.1 When ordering letters and numerals in accordance with this specification, it is necessary to state the ASTM designation and the type and height of the character.

#### 3. General Requirements

- 3.1 Characters are designed using the grid method which allows the size of the character to be changed proportionately as required.
  - 3.1.1 *Character Stroke* (thickness —2 units).
  - 3.1.2 Character Width:
- 3.1.2.1 Type 1, Plain Characters—12 in accordance with Fig. 1 unless otherwise noted.
- <sup>1</sup> This specification is under the jurisdiction of ASTM Committee F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.07 on General Requirements.
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- 3.1.2.2 Type 2, Block Characters—8 units in accordance with Fig. 2 unless otherwise noted.
- 3.1.2.3 Type 3, Block Characters with Shading—same as Type 2 plus 1 unit for shading in accordance with Fig. 3.
- 3.1.2.4 Type 4, Block Characters, Letters—width varies. Numerals—8 units.
- 3.1.2.5 Type 5, Block Characters with Shading—same as Type 4 plus 1 unit for shading.
  - 3.2 Sizing of the Character:
  - 3.2.1 *Type 1*—space characters in accordance with Table 1.
  - 3.2.2 *Type* 2—space characters in accordance with Table 1.
- 3.2.3 *Type 3*—space characters in accordance with Table 1 with 1 unit added to each value for shading.
- 3.2.4 *Type 4*—space letters in accordance with Fig. 4; spacing shall be equal to the space following the letter. Numerals shall be spaced in accordance with Table 1.
- 3.2.5 *Type 5*—space letters in accordance with Fig. 5; spacing shall be equal to the space following the letter. Numerals shall be spaced in accordance with Table 1 with 1 unit added to each value for shading.
- 3.3 Spacing Between Words, After Punctuation, or Between Sentences:
- 3.3.1 The space between words, after a comma, and after a period (as after initials) shall be in accordance with Table 1.
- 3.3.2 The space between sentences shall be in accordance with Table 1.
- 3.3.3 The space between a letter and a comma or period (for any use) shall be 2 units.
- 3.3.4 The space between lines shall be equal to one half the height of the tallest letter.

#### 4. Keywords

4.1 block characters; block letters; block numerals; letters; marine; numerals; plain letters; plain numerals; shading; ship; ship letters; ship markings; ship numerals

#### TABLE 1 Spacing Between Letters and Numerals<sup>A</sup>

				1715	,		Units		, and i							
Letters		<u> </u>	1	Ι			I	, 	1				ı —			
and Numerals	4	33⁄4	3½	3	2½	2	13⁄4	1½	1	1/2	1/4	Δ1/4	Δ½	Δ1	Δ11/4	Δ1½
Α					*	+		Z 7	A,X	J	4	V,W,Y	Т			
B,D,O,Q,S 3,5,8			*	+		A,V,W, X,Z 7		J,T,Y 4								
C,E,R				*	+			A,V,W, X,Z 7	J,T,Y 4							
F						*		+	X,Z 7	T,W,Y	A 4	J				
G 6		*	+		A,V,W, X,Z 7	J,T,Y 4										
H,I,M,N,U 1,9	*		+		A,V,W, X,Z 7	J,T,Y 4										
J		*	+			A,V,W, X,Z 7	J,T,Y 4									
K					*	+			A,V,W, X,Z 7	J,T,Y 4						
L						*		+	Z 7	A,X	4			V,W		T,Y
Р				*	+			V,W, X,Z 7	T,Y 4		А	J				
Т				i	Гeh	S	tan	da	rds	V,W, X,Z 7	T,Y 4	А	J			
V,W		(h	tt	) S	//s	tai	ıda	rds	V,W, X,Z 7	T,Y		J				
X				)00	eur	ne	nt l	Pre	A,V,W, X,Z 7	J,T,Y 4						
Y 7						*		+		V,W, X,Z 7	T,Y 4		А	J		
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					Spacin	g Betwe	en Words	and After	Punctua	ation						
Type 1 Types 2–5	18 14	17¾ 13¾	17½ 13½	17¼ 13¼	17 13	16¾ 12¾										
							ng Betwee	n Senten	ces							
Type 1 Types 2–5	22 18	21¾ 17¾	21½ 17½	21¼ 17¼	21 17	20¾ 16¾										

## AKey:

Select a character from the vertical column, read across locating the next character, read up to find the correct spacing.

### Example:

Locate in column of table the last character of word, read across locating (\*), drop vertically down to the appropriate row and read spacing.

#### Example

If the first word was "vessel," the spacing to the first letter of the next word is 12% units.

<sup>\*—</sup>means space for: B,D,E,F,H,I,K,L,M,N,P,R,U 1,3,8 (also used for punctuation and sentence spacing).

<sup>+--</sup>means space for: C,G,O,Q,S 0,2,5,6,9.

 $<sup>\</sup>Delta$ —indicates that a portion of a letter enters the area of the next letter.

Character Spacing:

If the letter "K" is followed by the letter "A" the spacing is 1 unit.

If the letter "F" is followed by the letter "H" the spacing is 2 units.

Punctuation and Sentence Spacing: