

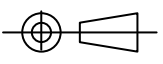
FED. SUPPLY CLASS

5320

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FORM 09-01	THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
	PROCUREMENT SPECIFICATION NONE	TITLE FASTENER CODE METRIC	CLASSIFICATION STANDARD PRACTICE
			DA0100 SHEET 1 OF 9

2.0 **GENERAL DESCRIPTION OF FASTENER CODE**

2.1 SCOPE

- 2.1.1 This STANDARD PRACTICE identifies the fastener code for all types of metric fasteners in which the installation thereof imparts a permanent deformation which would force the destruction of the fastener to remove it.

2.2 LIMITATIONS

- 2.2.1 Metric fasteners which would be included in the above "Types of Fasteners" such as staples or wire stitching are not covered by the code.

3.0 **FEATURES COVERED AND METHOD OF SHOWING**

The symbol includes a single cross whose intersection is at the location of the fastener. When space does not permit, the symbol may be located off to the side and the location of the fastener indicated by an arrow. Fastener identity, size, installation requirements etc. shall be indicated by an alphanumeric coding within the quadrants of the cross as defined herein. Quadrant orientation of the symbol is determined by the direction of the alphanumeric coding as written within the symbol. When the symbol is viewed in a position such that the letters are upright, the upper left hand quadrant is NW. The following examples illustrate the basic symbol-and quadrant identity.



Figure 1 – Quadrant Identity

3.1 NORTHWEST QUADRANT

Fastener Identity – The identity of the fastener is shown in the NW quadrant by a three letter code as listed herein (see section 4.0 APPLICATION). The code is made up of three non-significant letters beginning with MAA and ending with WZZ. The code defines all features of the fasteners except diameter and grip. The code letters are assigned in sequence with the exception of the letters G, I, Q and U. These letters shall not be used in the fastener symbol. See Paragraph 5.3 RESERVED CODES.

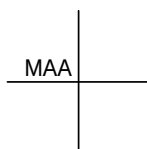


Figure 2 – Fastener Identity

3.2 NORTHEAST QUADRANT

Fastener Diameter and Location of the Manufactured Head – The fastener diameter and location of the manufactured head is shown in the NE quadrant by an alphanumeric code as defined below. The fastener diameter is indicated by the digits of the dash number that represent the diameter in the full part number. If the diameter is designated by digits of the basic part number, then the significant digits shall be shown. The location of the manufactured (preformed) head of the fastener is defined by the code letter "F" for "Far Side" and "N" for "Near Side". When the location of the manufactured head is insignificant or otherwise determined by the drawing itself, the code letter may be omitted.

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Documents
SHEET 2



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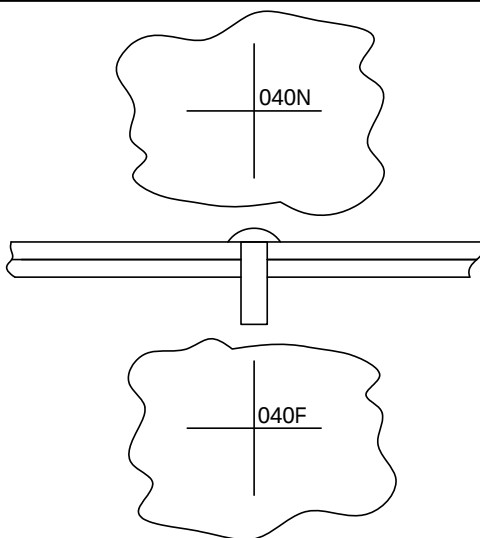


Figure 3 – Fastener Diameter and Location of the Manufactured Head

3.3 SOUTHEAST QUADRANT

3.3.1 Length and Spot Weld Alternate – The length and permission to spot weld as an alternative assembly method is shown in the SE quadrant by an alphanumeric code as defined below.

3.3.1.1 The length is indicated by the digits of the dash number that represent the length in the full part number.

3.3.1.2 Engineering permission to spot weld in lieu of using the fastener is denoted by the letter "W".

3.3.1.3 The preceding data is an optional feature of the code, but the use of any alternate method of designating the preceding data within the symbol is not optional.

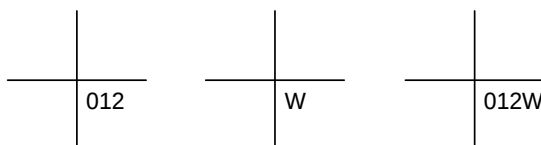


Figure 4 – Length and Spot Weld Alternate

3.4 SOUTHWEST QUADRANT

3.4.1 Dimple and Countersink Data – The sheets to be dimpled or countersunk are shown in the SW quadrant by an alphanumeric code as defined below, not to exceed three digits per line. Unless otherwise noted, the nominal angle for the dimple or countersink shall be the same as the angle of the manufactured rivet head.

3.4.1.1 The letter "D" is used to show a "dimpling" (form countersinking) operation and when more than one sheet is dimpled a number follows the "D" to show how many sheets are dimpled.

3.4.1.2 The letter "C" is used to show a countersinking (machine countersinking) operation. No number is used after the countersinking designation because it is the responsibility of the individual designer to see that the thickness of materials to be countersunk for a flush condition will not violate applicable company requirements.

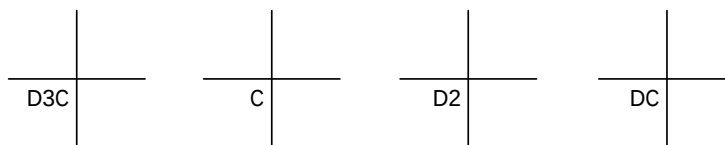


Figure 5 – Dimple and Countersink Data

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