

INCH-POUND

MIL-DTL-17376/2A

22 March 2007

SUPERSEDING

MIL-C-17376/2

14 September 1973

## DETAIL SPECIFICATION SHEET

### CAPS AND FLANGES COMPRESSED-GAS CYLINDER: FLANGES, LOW PRESSURE

Reactivated after 22 March 2007 and may be used  
for new and existing designs and acquisitions.

This detail specification sheet is approved for use by all departments and agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this detail specification sheet and MIL-DTL-17376, "Caps and Flanges, Compressed-Gas Cylinder, General Specification for".

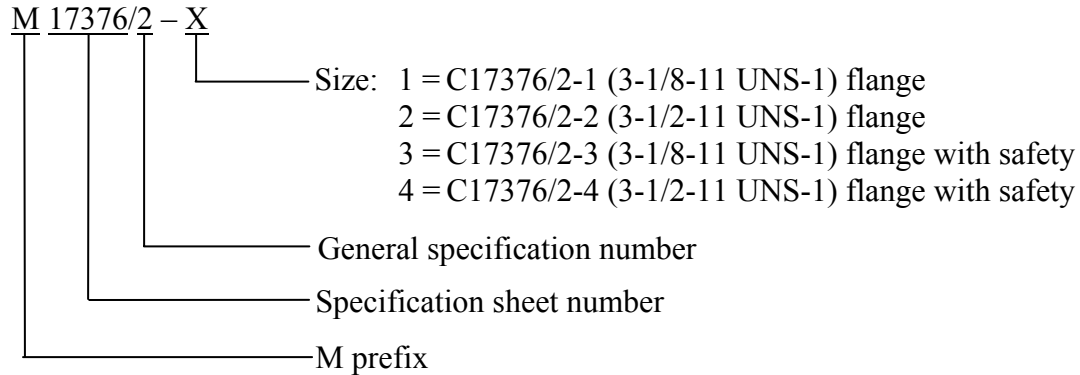
**REQUIREMENTS:** The compressed-gas cylinder low pressure flange shall be as specified herein and in accordance with figures 1 and 2. Figures 1 and 2 are a representative configuration and method of attaching flanges to cylinders and may be varied provided dimensions of threaded portions are as shown.

1. Material. The steel used shall have a carbon content not greater than 0.25 percent, or shall be composition AISI 5130 of SAE-AMS-STD-66, "Steel: Chemical Composition and Hardenability".

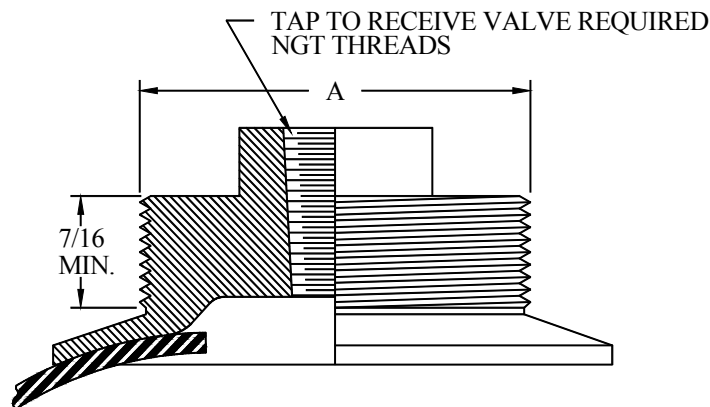
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## GENERAL INFORMATION:

1. Part or identification number (PIN). The PINs to be used for low pressure flanges acquired to this detail specification are created as follows:



INTENDED USE: The flanges covered by this specification sheet are intended to provide anchorage for a cylinder protective cap to the shoulder of a cylinder. The flanges are attached to the cylinder by welding of similar metals and are for low pressure application. The flange provides inlet valve threads for cylinder valves and when required, threaded holes for cylinder safety devices for acetylene.

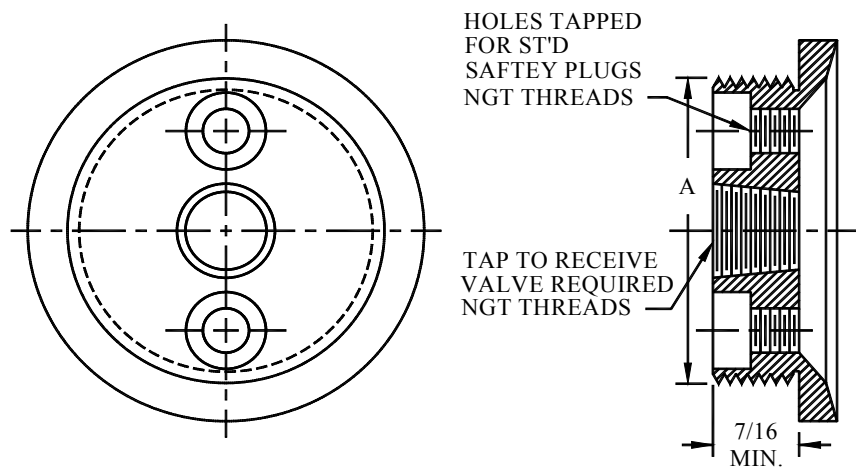


Size	Part number	Dimension A
1	C17376/2-1	3-1/8-11 UNS-1
2	C17376/2-2	3-1/2-11 UNS-1

Dimensions are in inches.

FIGURE 1. Flange.

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Size	Part number	Dimension A
3	C17376/2-3	3-1/8-11 UNS-1
4	C17376/2-4	3-1/2-11 UNS-1

Dimensions are in inches.

FIGURE 2. Flange with safety.

CHANGES FROM PREVIOUS ISSUE: Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:  
 Army - CR4  
 Navy - YD  
 Air Force - 68

Preparing Activity:  
 DLA - GS7

(Project 8120-2006-003)

Review Activities:  
 Army - MD  
 Navy - MC

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <http://assist.daps.dla.mil>.