

**MIL-STD-111A**  
 NOTICE 3  
 17 SEPTEMBER 1962

**MILITARY STANDARD**

**GAGES, PLUG, PLAIN CYLINDRICAL, NOT GO**

To All Activities:

1. The following pages of MIL-STD-111A have been revised and supersede the pages listed:

<i>New page</i>	<i>Date</i>	<i>Superseded page</i>	<i>Date</i>
1	17 September 1962	1	19 August 1960
2	17 September 1962	2	19 August 1960
3	17 September 1962	3	19 August 1960
4	17 September 1962	4	19 August 1960
5	17 September 1962	5	6 February 1957
6	17 September 1962	6	6 February 1957
7	17 September 1962	7	6 February 1957

2. The following is a cumulative list of earlier changes:

<i>New page</i>	<i>Date</i>	<i>Superseded page</i>	<i>Date</i>
iii	19 August 1960	iii	8 December 1955

3. Retain this notice and insert before Table of Contents.

4. Holder of MIL-STD-111A will verify that page changes indicated above have been entered and will destroy the previous notice. Activities which stock these notices for issue are warned that each notice, together with its appended revised pages, is in effect a separate publication to be retained until the Military Standard is completely revised or canceled.

## **1. SCOPE**

1.1 This standard covers pertinent design data and Mil-Std Part Numbers for American Gage Design Standard (AGD), single end, not go plain cylindrical plug gages for the inspection of the maximum limits of internal diameters that range in size from .031 to 2.510 inches inclusive in increments of .001 inch. Part numbers are also provided in increments of .0005 inch in sizes ranging from .031 to .8255 inches inclusive for components which have .0005 inch total component tolerance. The class of gage required is listed in accordance with the total component tolerance.

## **2. REFERENCED DOCUMENTS**

2.1 The issues of the following documents in effect on the date of invitation for bids form a part of this standard.

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**SPECIFICATION**

**Mil-G-45653—Gages, Cylindrical Plug  
and Ring, Plain**

(Copies of specifications should be obtained from the procuring activity or as directed by the contracting officer.)

**OTHER PUBLICATIONS**

**U.S. Department of Commerce, Commer-  
cial Standard CS8—Gage Blanks.**

(Application for copies should be addressed to the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D. C.)

### **3. DEFINITIONS**

3.1 The heading of column B in table I should be "Mil-Std Part Number."

### **4. GENERAL REQUIREMENTS**

4.1 Table I. Tabulation of design and identification data.

4.1.1 Part numbers are listed in ascending numerical sequence in column B.

4.1.2 Column A lists the proper reference to the applicable figure for each part number.

4.1.3 Column C lists the maximum component dimension and when applied to the total component tolerance in column D provides the data required for selecting the applicable part number in column B.

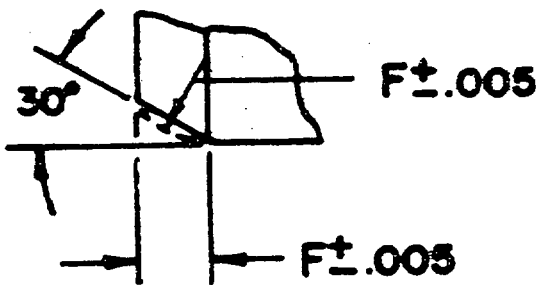
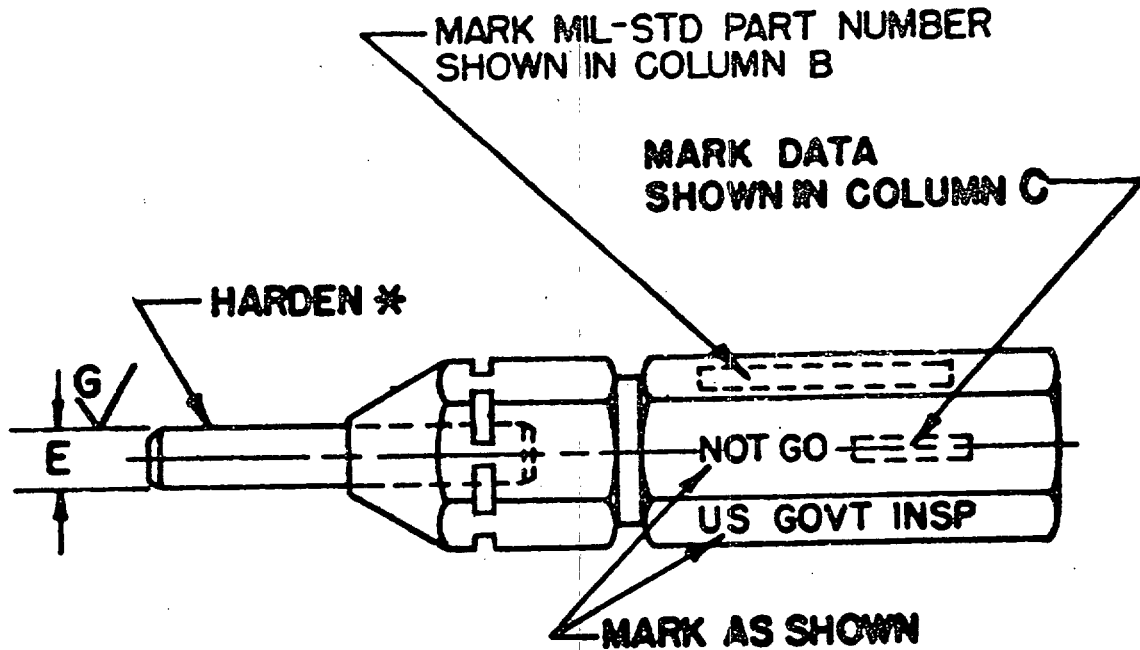
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4.1.3.1 When the total component tolerance is not listed, the part number applicable to the next smaller listed total component tolerance for the maximum component dimension shall be used.

4.1.4 Columns E to G inclusive list the design data for each part number and, when applied to the figure referenced in column A, provide data required for manufacture and inspection.

4.1.5 Columns B and C list the identification data for each part number and, when applied to the figure referenced in column A, provide information for proper marking of the gages.

4.1.6 Design data, etc. not specifically covered in this standard shall conform to the latest issue of the documents referenced in paragraph 2 above.



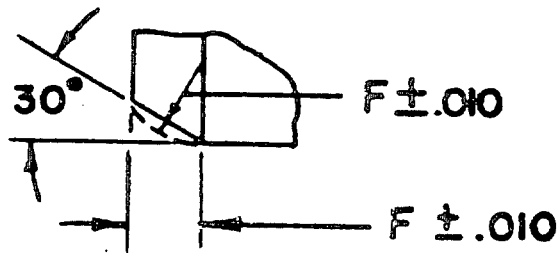
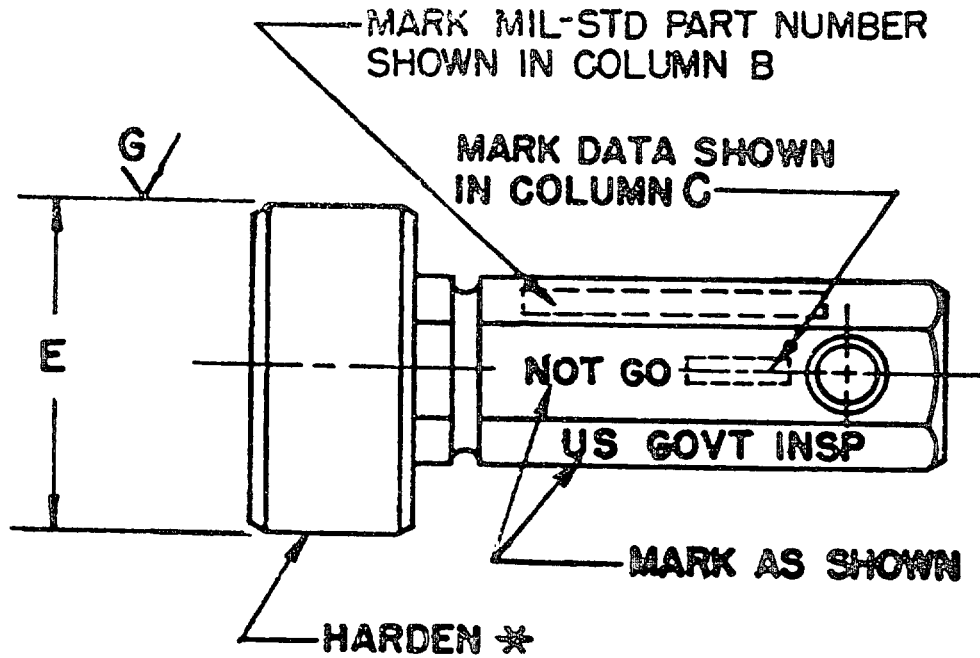
**ENLARGED VIEW  
CHAMFER OR RADIUS ON  
BOTH ENDS OF WIRE**

\*HARDEN: ROCKWELL OR EQUIVALENT

C55 TO C60 FOR DIA UP TO AND INCL .10  
 C60 TO C63 FOR DIA ABOVE .10 TO AND INCL .20  
 C63 TO C66 FOR DIA ABOVE .20

FIGURE 2.—Not go plain plug gage (wire type).

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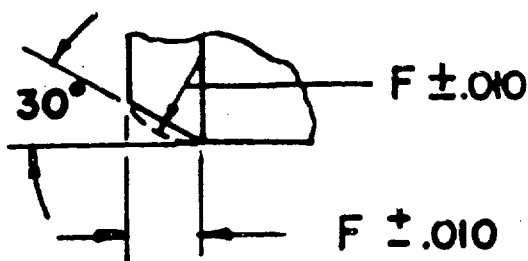
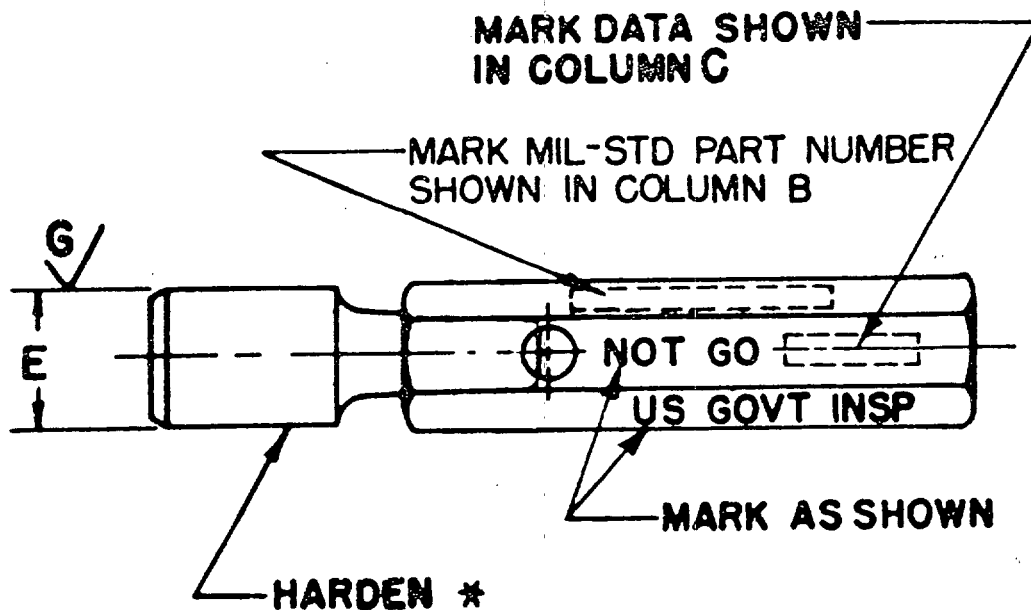


**ENLARGED VIEW**  
**CHAMFER OR RADIUS**  
**ON BOTH ENDS**

**\* HARDEN: ROCKWELL OR EQUIVALENT  
C 63 TO C68**

FIGURE 3.—Not go plain plug gage (taper lock type.)

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**ENLARGED VIEW**  
**CHAMFER OR RADIUS**

**\* HARDEN: ROCKWELL OR EQUIVALENT  
C63 TO C66**

FIGURE 1. Not go plain plug gage (tri-lock type).