MILITARY STANDARD

GAGES, PLUG, PLAIN CYLINDRICAL, GO

TO ALL ACTIVITIES:

1. The following pages of Mil-Std-110A have been revised and supersede the pages listed:

New page	Date	Superseded page	Date
iii	17 September 1962	iii	19 August 1960
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	19 August 1960

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

New page	Date	Superseded page	Date
111	15 January 1960	111	8 December 1955

3. Retain this notice and insert before table of contents.

4. Holder of Mil-Std-110A 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.

FSC 5220

CONTENTS

FIGURES

Figure

TABLES

Table

1. SCOPE

1.1 This standard covers pertinent design data and Mil-Std Part Numbers for American Gage Design Standard (AGD), single end, go plain cylindrical plug gages for the inspection of the minimum limits of internal diameters that range in size from .031 to 2.510 inches inclusive in increments of .001 and .03125 inches. 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.

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, Commercial 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 columns B and C in table I and column A in table II should be "Mil-Std Part Number". The title of table II should be "Listing of Mil-Std Part Numbers in Numerical Sequence".

4. GENERAL REQUIREMENTS

4.1 This standard contains table I and table II. Table I provides tabulated design data required for manufacture and inspection and is arranged in ascending size sequence (see par. 1.1 above). Table I is also arranged in ascending numerical sequence according to Part Nos. (7420000 to 7457568 incl), except for 303 part numbers. Table II is a listing of the 303 part numbers in ascending numerical sequence and is provided as a finding aid for locating the required design data contained in table I for these part numbers.

4.1.1 *Table I.* Tabulation of design and identification data.

4.1.1.1 Part numbers for gages without air groove or flat are listed in column B. Part numbers for gages with air groove or flat are listed in column C.

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

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

Note. The part number listed in column C for any given minimum component dimension is applicable for "blind" hole requirements regardless of component tolerance.

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

4.1.1.4 Columns F to H 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.

4.1.1.5 Columns B to D inclusive 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.

4.1.1.6 All part numbers listed in column C shall have an air groove or flat as indicated in figure 1.

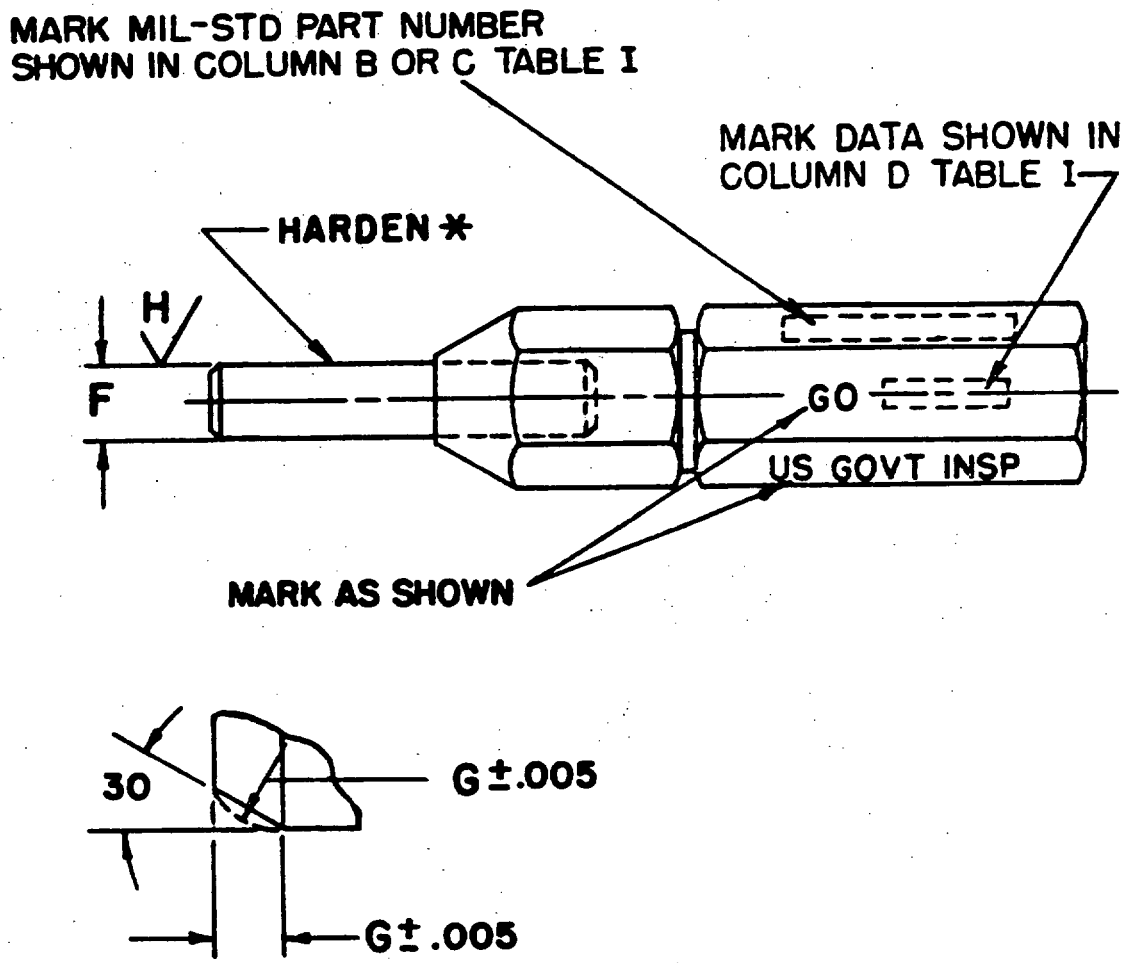
4.1.1.7 Design data, etc. not specifically covered in this standard shall conform to the latest issue of the documents referenced in paragraph 2 above.

4.1.2 *Table II.* Listing of Mil-Std Part Numbers in numerical sequence.

4.1.2.1 Part numbers not listed in ascending numerical sequence in table I are listed in column A.

4.1.2.2 Column B lists the applicable minimum component dimension for each part number.

4.1.2.3 Column C references the page number in table I where the design and identification data for the applicable part number may be found.



* 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. *Go Plain Plug Gage (Wire Type).*

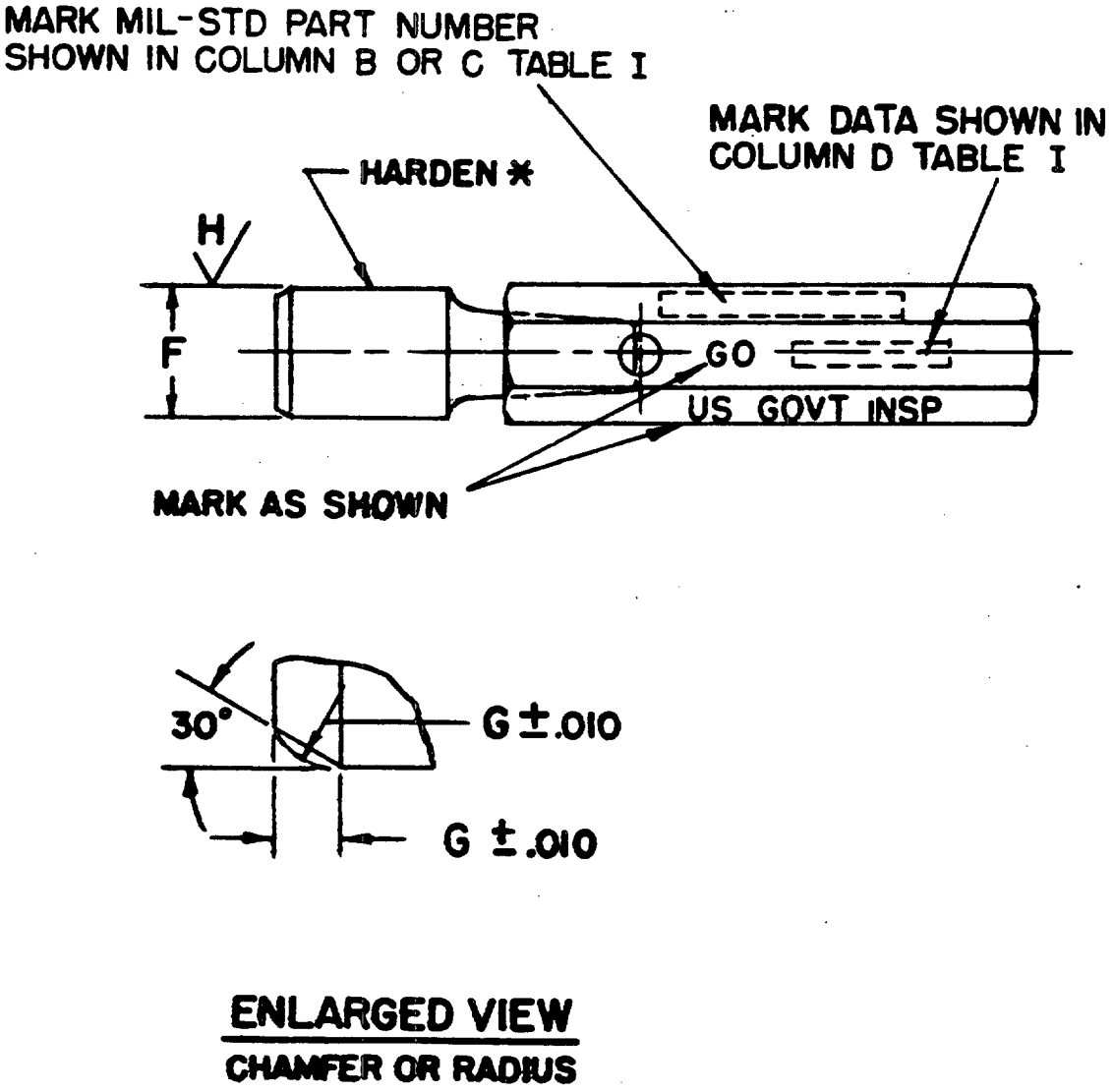
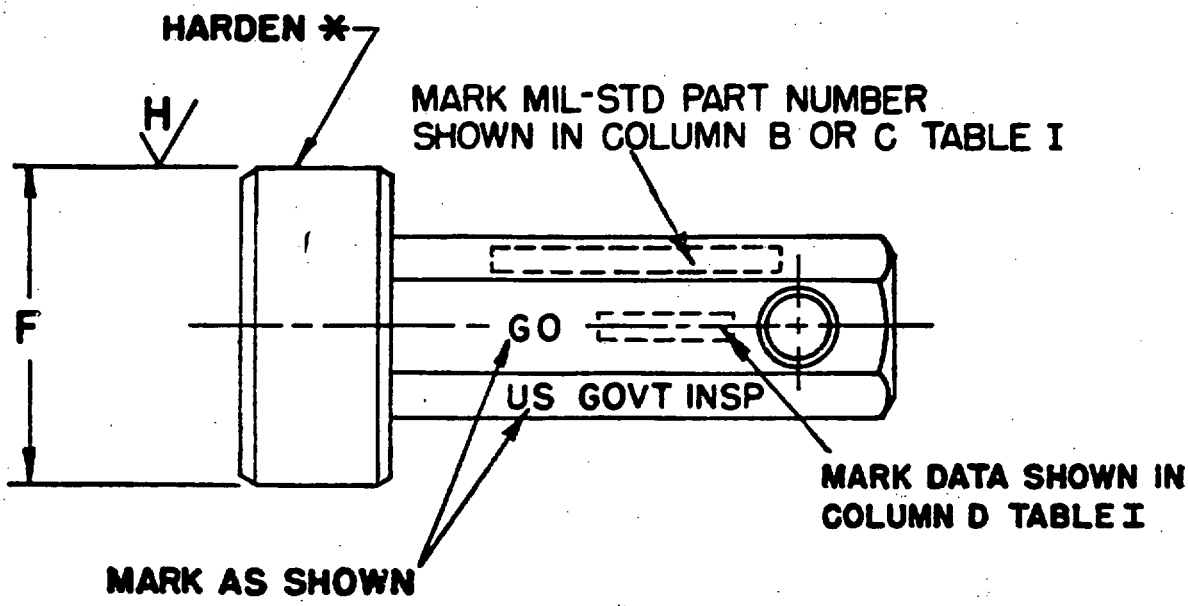
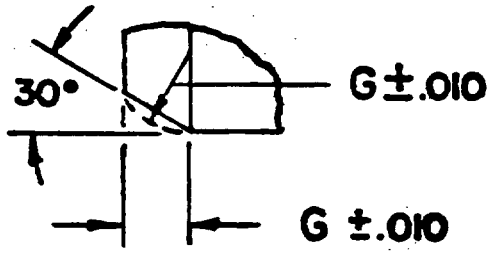


FIGURE 3. *Go Plain Plug Gage (Taper Lock Type)*





ENLARGED VIEW
CHAMFER OR RADIUS
ON BOTH ENDS

*HARDEN: ROCKWELL OR EQUIVALENT
C 63 TO C 66

FIGURE 4. *Go plain plug gage (trilock type).*

☆U.S. GOVERNMENT PRINTING OFFICE: 1981—703-023/5604

Supersedes page 7 of 19 August 1960