

MIL-STD-112A
Change Notice 4
28 August 1964

MILITARY STANDARD

GAGES, RING, PLAIN, GO

TO ALL HOLDERS OF Mil-Std-112A:

1. The following pages of Mil-Std-112A have been revised and supersede the pages listed:

<i>New page</i>	<i>Date</i>	<i>Superseded page</i>	<i>Date</i>
ii 28 August 1964.....		ii 8 December 1955.	
iii 28 August 1964.....		iii 19 August 1960.	
2 28 August 1964.....		2 17 September 1962.	
3 28 August 1964.....		3 17 September 1962.	
375 28 August 1964.....		375 8 December 1955.	

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

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Superseded page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

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

4. Holders of Mil-Std-112A will verify that page changes and additions indicated above have been entered and will destroy the previous notice (notice page only). The latest notice (notice page) will be retained as a check sheet. This issuance, together with appended pages is a separate publication. Each notice is to be retained by stocking points until the Military Standard is completely revised or cancelled.

MIL-STD-112A

28 August 1964

**DEPARTMENT OF DEFENSE
WASHINGTON, D.C.**

Gages, Ring, Plain, Go

Mil-Std-112A

1. This Military Standard has been approved by the Department of Defense and is mandatory for use by all departments and agencies of the Department of Defense.

2. Recommended corrections, additions, or deletions should be addressed to Commanding Officer, U.S. Army Frankford Arsenal, ATTN: SMUFA-5500, Philadelphia, Pa., 19137.

Supersedes page ii of 8 December 1955.

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Supersedes page iii of 19 August 1960.

MIL-STD-112A**17 September 1962****1. SCOPE**

1.1 This standard covers pertinent design data and Mil-Std Part numbers for American Gage Design Standard, go plain ring gages for the inspection of the maximum limits of external diameters that range in size from .059 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.

1.1.1 This standard also covers pertinent design data and Mil-Std Part Numbers for the applicable American Gage Design Standard plain plug acceptance check gages for go plain ring gages up to and including .250 inch in size, except that acceptance check part numbers are not provided above .125 inch in size for total component tolerance of .008 and above.

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.

STANDARD

Mil-Std-110, Gages, Plug, Plain Cylindrical, Go.

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

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, D.C.)

MIL-STD-112A**28 August 1964****3. DEFINITIONS**

3.1 The heading of columns B and C 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 for each go plain ring gage and related acceptance check plug gage are listed in ascending numerical sequence in columns B and C respectively.

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

4.1.3 Column D lists the maximum 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.

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 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.

4.1.5 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 markings 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.

4.1.7 Wear limit check plug part numbers for go plain ring gages are provided in Mil-Std-110. (Apply the part number in column B as listed for the master as shown in column E corresponding to the applicable component dimension in column D.)

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5. PROCUREMENT

5.1 The general requirements and tabulated design data contained in this standard are applicable for procurement purposes, as are the referenced manufacturing and inspection specifications.

5.2 ORDERING DATA. Procurement documents should specify the following:

- (a) Title, number, and date of this standard.
- (b) Number of gages required and MIL-STD Part Number.
- (c) Place of delivery for acceptance inspection.

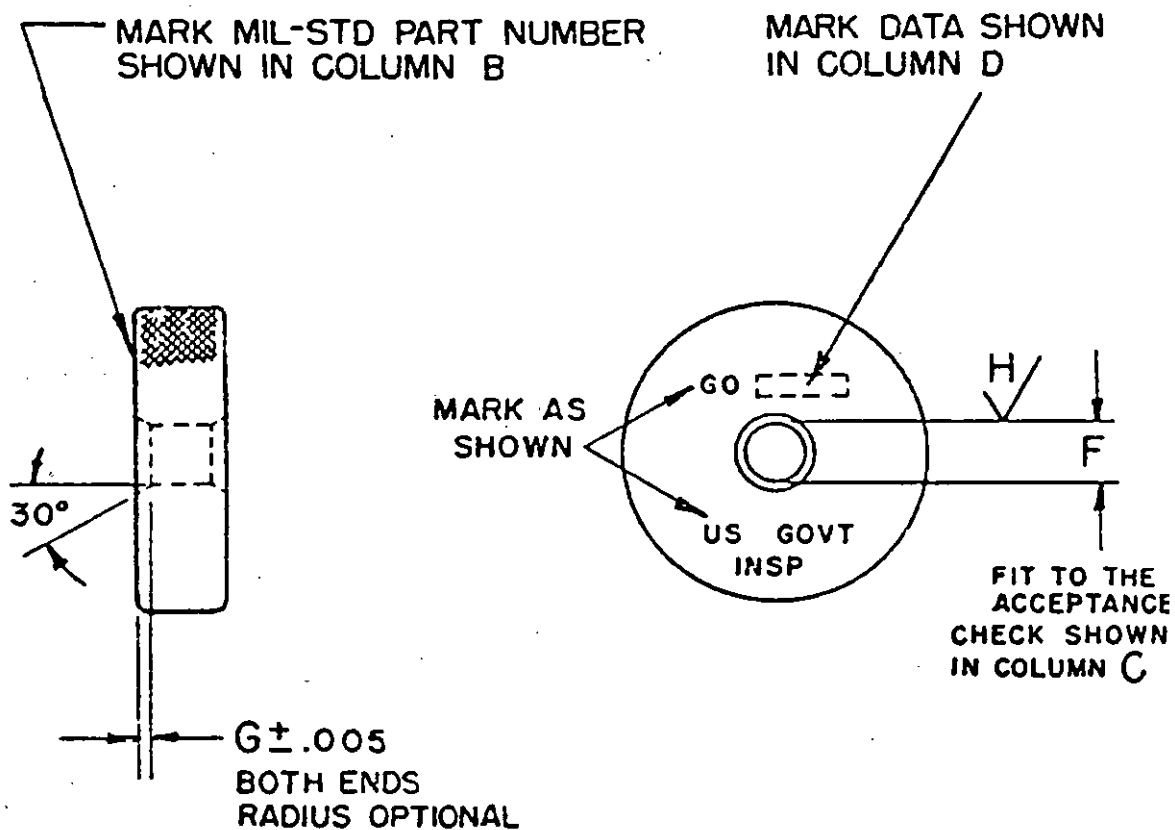
6. SPECIAL REQUIREMENTS (U.S. Air Force)

6.1 U.S. Air Force procurement and supply shall be limited to gage diameters 0.059 inch to 1.510 inches inclusive, having X tolerances (Column E) in accordance with the table below. Exception to the foregoing may be made only when justifiable requirements exist.

Size range		X tolerances
Above	To and including	
Inch	Inches	Inch
0.059	0.825	0.00004
.825	1.510	.00006

Supersedes page 3 of 17 September 1962.

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HARDNESS: ROCKWELL OR EQUIVALENT
C63 TO C66

FIGURE 1. Go plain ring gage.

Supersedes page 4 of 6 February 1957.

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Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.

Custodians:

Army—MU

Navy—WP

Air Force—11

Review activities:

Army—GL

Navy—SH

Air Force—67, 11

User activities:

Army—MI

Navy—YD

Air Force—85

Preparing activity:

Army—MU

Project No. 5220-0088

Supersedes page 375 of 8 December 1955.