

MIL-STD-113A
Notice 3
17 September 1962

MILITARY STANDARD

GAGES, RING, PLAIN, NOT GO

TO ALL ACTIVITIES:

1. The following pages of MIL-STD-113A have been revised and supersede the pages listed:

| <i>New page</i> | <i>Date</i> | <i>Superseded page</i> | <i>Date</i> |
|-----------------|-------------------|------------------------|-----------------|
| 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 | 6 February 1957 |
| 8 | 17 September 1962 | 8 | 6 February 1957 |

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

NONE

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

4. Holder of MIL-STD-113A 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.

MIL-STD-113A
17 September 1962

CONTENTS

| | Page |
|--|------|
| 1. SCOPE | 1 |
| 2. REFERENCED DOCUMENTS | 2 |
| 3. DEFINITIONS | 2 |
| 4. GENERAL REQUIREMENTS | 3 |
| 4.1.1 Table I—Tabulation of design and identification data | 3 |
| 4.1.2 Table II—Listing of MIL-STD Part Numbers in numerical sequence | 4 |

FIGURES

Figure

1. Not go plain ring gage
2. Plain plug acceptance check gage (wire type)
3. Not go plain ring gage
4. Not go plain ring gage (flange type)

TABLES

Table

- I. Tabulation of design and identification data
- II. Listing of MIL-STD part numbers in numerical sequence

MIL-STD-113A
17 September 1962

1. SCOPE

1.1 This standard covers pertinent design data and *MIL-STD Part Numbers for American Gage Design Standard*, not go plain ring gages for the inspection of the minimum limits of external diameters that range in size from .059 to 2.510 inches inclusive in increments of .001 inch. Part numbers are also provided in increments of .0005 inch in sizes ranging from .059 to .8255 inches inclusive for components which have a .0005

inch total component tolerance. 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 not go plain ring gages up to and including .2505 inch in size.

MIL-STD-113A
17 September 1962

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".

MIL-STD-113A
17 September 1962

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). Table I is also arranged in ascending numerical sequence according to part numbers (7499000 to 7510033 inclusive), except for 125 part numbers. Table II is a listing of the 125 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 each not go plain ring gage and related acceptance check plug

gage are listed in columns B and C respectively.

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.

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.

MIL-STD-113A
17 September 1962

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

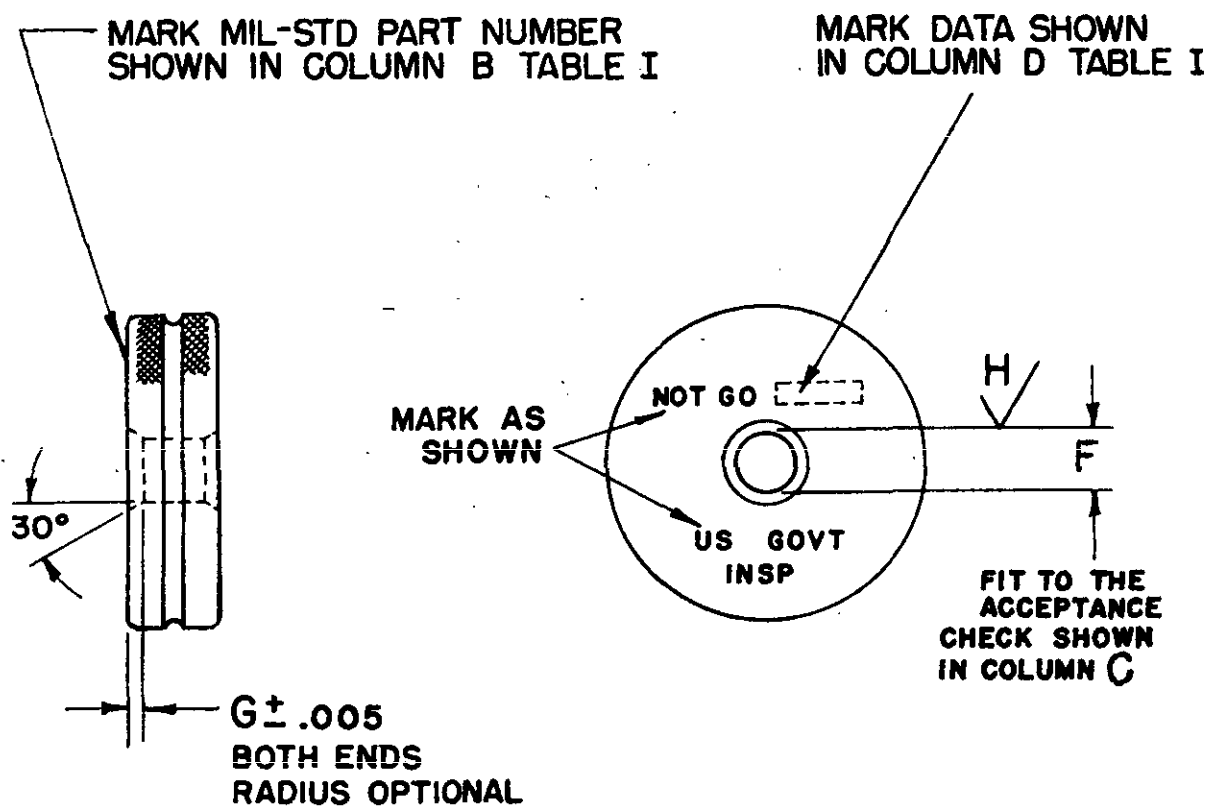
4.1.2 Table II. Listing of MIL-STD part numbers in numerical sequence.

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.

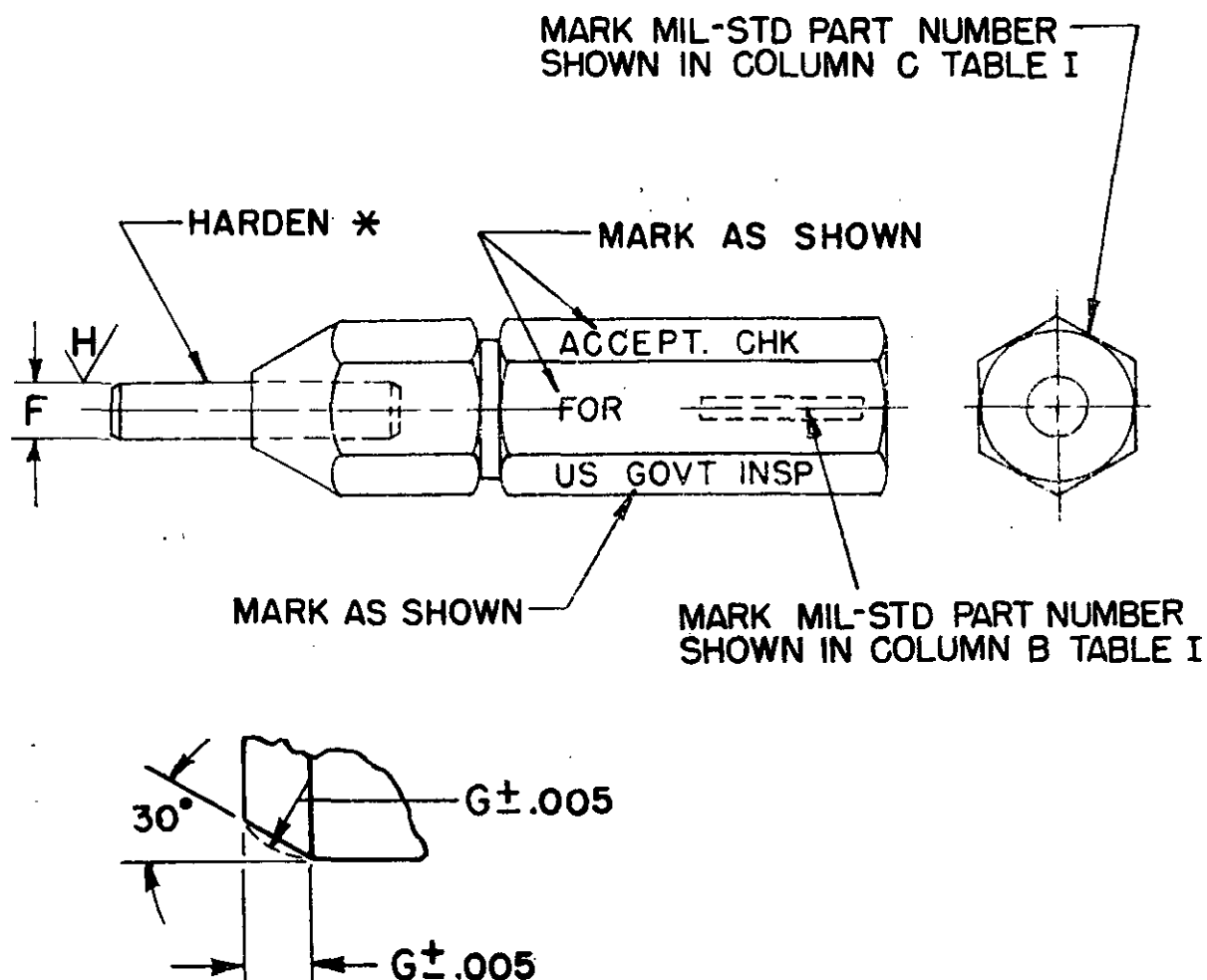
MIL-STD-113A
17 September 1962



HARDNESS: ROCKWELL OR EQUIVALENT
C63 TO C66

FIGURE 1. Not go plain ring gage.

MIL-STD-113A
17 September 1962

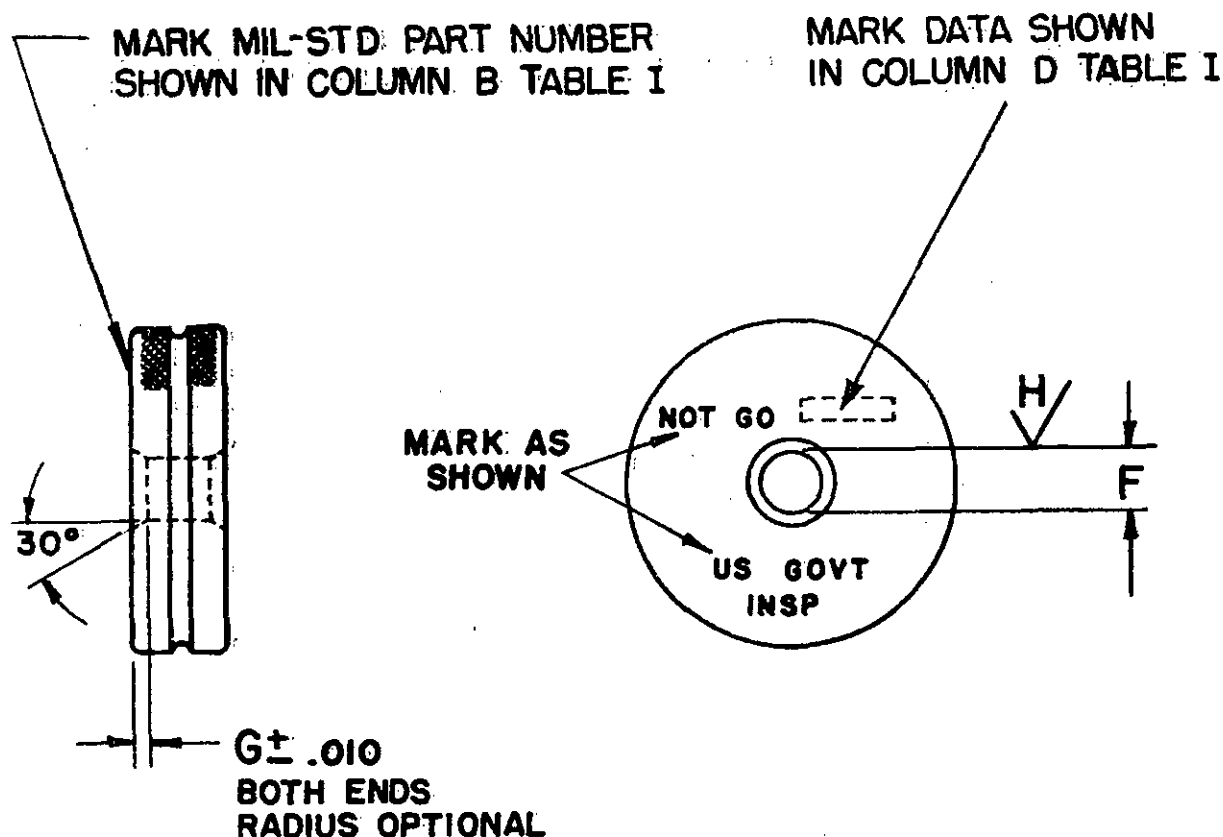


ENLARGED VIEW
CHAMFER OR RADIUS ON
BOTH ENDS OF WIRE

* 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. Plain plug acceptance check gage (wide type).

MIL-STD-113A
17 September 1962



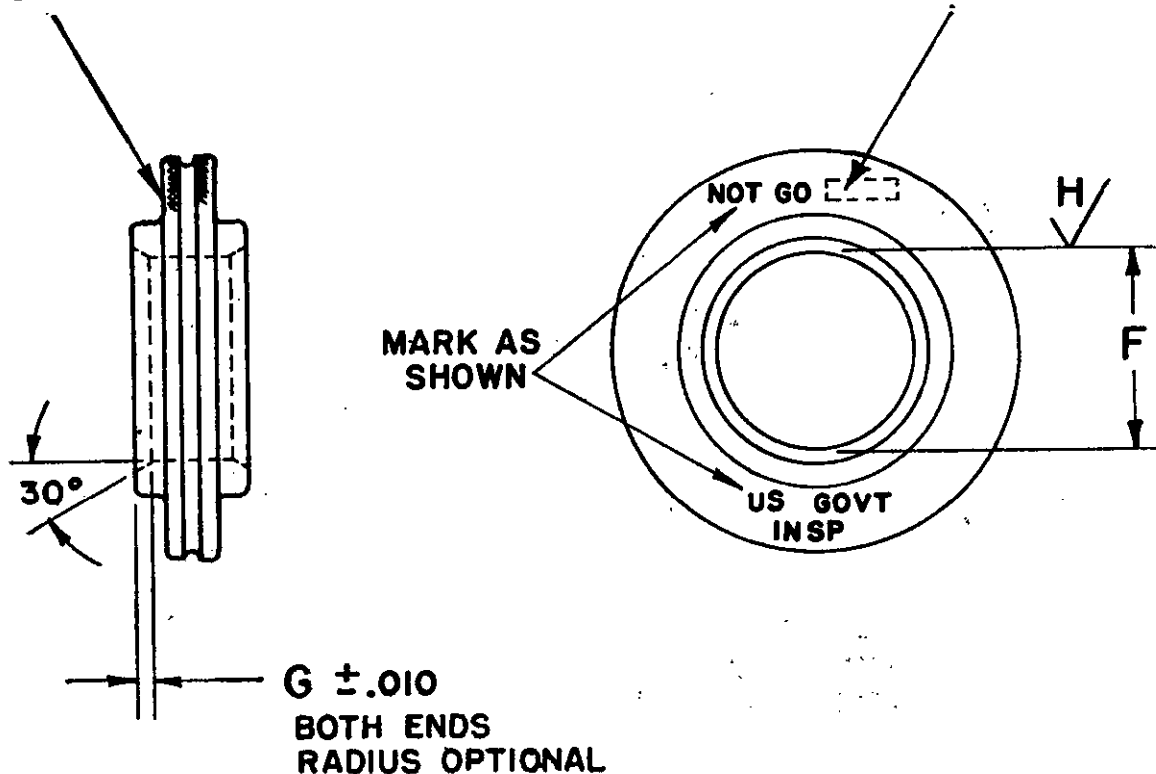
HARDNESS: ROCKWELL OR EQUIVALENT
C63 TO C66

FIGURE 3. Not go plain ring gage.

MIL-STD-113A
17 September 1962

MARK MIL-STD PART NUMBER
 SHOWN IN COLUMN B TABLE I

MARK DATA SHOWN
 IN COLUMN D TABLE I



HARDNESS: ROCKWELL OR EQUIVALENT

C63 TO C66

FIGURE 4. Not go plain ring gage (flange type).