
**Gas cylinders — 17E taper thread for
connection of valves to gas cylinders —**

Part 2:
Inspection gauges

*Bouteilles à gaz — Filetages coniques 17E pour le raccordement des
robinets sur les bouteilles à gaz —*

Partie 2: Calibres de vérification



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11116-2 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC2, *Cylinder fittings*.

ISO 11116 consists of the following parts, under the general title *Gas cylinders — 17E taper thread for connection of valves to gas cylinders*:

- *Part 1: Specification*
- *Part 2: Inspection gauges*

Annexes A and B of this part of ISO 11116 are for information only.

Introduction

This part of ISO 11116 belongs to a series of standards specifying thread dimensions and gauge requirements.

Gas cylinders — 17E taper thread for connection of valves to gas cylinders —

Part 2: Inspection gauges

1 Scope

This part of ISO 11116 specifies types, dimensions and principles of the use of gauges, to be used in conjunction with the taper thread specified in ISO 11116-2.

Annex A provides examples of calculations for thread gauge dimensions on the large end diameter.

Annex B draws attention to the limitations of the gauging system specified.

2 Terms and definitions

For the purposes of this part of ISO 11116 the following terms and definitions apply.

2.1

inspection gauge

gauge used for the routine gauging of cylinder neck and valve stem threads, but not used for checking other gauges

2.2

check gauge

gauge for checking dimensional conformity of inspection ring gauges, but not for gauging cylinder neck threads

2.3

single part gauge

gauge, plug or ring, plain or threaded of sufficient length to contact the full length of taper thread

2.4

two-part gauges

two separate inspection gauges, plug or ring, plain or threaded used in combination, where one is used to contact the large end of the taper cone and the other the small end

3 Requirements

3.1 Materials

All gauges shall be manufactured from material of suitable strength, stability and hardness.