

# INTERNATIONAL STANDARD

# ISO 3253

Second edition  
1998-09-01

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## Gas welding equipment — Hose connections for equipment for welding, cutting and allied processes

*Matériel de soudage aux gaz — Raccords pour tuyaux souples pour  
appareils de soudage, coupage et techniques connexes*



Reference number  
ISO 3253:1998(E)

## 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.

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 3253 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 8, *Equipment for gas welding, cutting and allied processes*.

This second edition cancels and replaces the first edition (ISO 3253:1975), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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# Gas welding equipment — Hose connections for equipment for welding, cutting and allied processes

## 1 Scope

This International Standard lays down the dimensions and specifies the characteristics of the constituent parts of hose connections for equipment for welding, cutting and allied processes.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 228-1:1994, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation.*

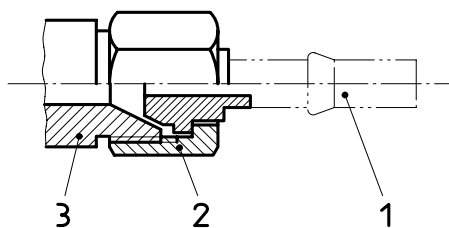
ISO 261:1998, *ISO general-purpose metric screw threads — General plan.*

ISO 9539:1988, *Materials for equipment used in gas welding, cutting and allied processes.*

## 3 General

The gas pipe threads shall be in accordance with the requirements of ISO 228-1. All other dimensions are given in millimetres.

The joint is made with a under cone and cone seal (see figure 1).



### Key

- 1 Hose coupling nipple
- 2 Union nut
- 3 Threaded union

Figure 1 — Hose connection