

# INTERNATIONAL STANDARD

ISO  
2284

Third edition  
1987-12-15



---

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION  
ORGANISATION INTERNATIONALE DE NORMALISATION  
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

---

## **Hand taps for parallel and taper pipe threads — General dimensions and marking**

*Tarauds à main pour filetages cylindrique et conique de tuyauterie — Dimensions générales et marquage*

Reference number  
ISO 2284:1987 (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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 2284 was prepared by Technical Committee ISO/TC 29, *Small tools*.

This third edition cancels and replaces the second edition (ISO 2284 : 1976), of which it constitutes a minor revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

# Hand taps for parallel and taper pipe threads — General dimensions and marking

## 1 Scope and field of application

This International Standard specifies the general dimensions and marking of hand taps for pipe threads.

It is applicable to the two following types of tap :

- taps for parallel threads (see table 1),
- taps for taper threads (see table 2),

having threads in accordance with ISO 7-1 and ISO 228-1.

Furthermore, it gives in an annex the bases used for calculation of the dimensions.

## 2 References

ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1 : Designation, dimensions and tolerances.*

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

ISO 237, *Rotating tools with parallel shanks — Diameters of shanks and sizes of driving squares.*

ISO 529, *Short machine taps and hand taps.*

ISO 5969, *Ground thread taps for pipe threads G series and Rp series — Tolerances on the threaded portion.*

## 3 General dimensions

The general dimensions are given in tables 1 and 2.

Shank diameters and driving squares shall conform to the specifications given in ISO 237, the tolerances being as follows:

- on diameter  $d_1$  :
  - h9 for precision shanks
  - h11 for other shanks
- on width across flats  $a$  :
  - h11
  - h12 (including errors of form of the square and of its position in relation to the shank).

## 4 Marking

Taps in accordance with this International Standard and with the requirements of ISO 5969 shall be marked, on the shank, with the following indications :

- a) the letter designating the thread series;
- b) the designation of the thread.

*Examples :*

A G series parallel thread tap with designation 3/4 shall be marked as follows :

**G 3/4**

An Rp series parallel thread tap with designation 1/4 shall be marked as follows :

**Rp 1/4**

An Rc series taper thread tap with designation 1 shall be marked as follows :

**Rc 1**

NOTE — Where tools comply in all respects with the relevant International Standards, the symbol ISO may be appended to the mark at the discretion of the manufacturer.