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# INTERNATIONAL STANDARD



# 3466

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

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## Machine taper pin reamers with parallel shanks

*Alésoirs à machine pour trous de goupilles coniques, à queue cylindrique*

First edition — 1975-08-01

**ITeH STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 3466:1975](https://standards.iteh.ai/catalog/standards/sist/12f831b2-5d29-4c23-8550-d65597dbac77/iso-3466-1975)

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UDC 621.951.7

Ref. No. ISO 3466-1975 (E)

**Descriptors** : tools, power-operated tools, reamers, parallel shanks, dimension.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

International Standard ISO 3466 was drawn up by Technical Committee ISO/TC 29, *Small tools*, and circulated to the Member Bodies in June 1974.

**STANDARD PREVIEW**  
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It has been approved by the Member Bodies of the following countries :

ISO 3466:1975

Australia	Hungary	Romania
Austria	Ireland	South Africa, Rep. of
Belgium	Israel	Spain
Brazil	Italy	Switzerland
Chile	Japan	Thailand
Czechoslovakia	Mexico	Turkey
Egypt, Arab Rep. of	Netherlands	United Kingdom
France	Norway	U.S.S.R.
Germany	Poland	Yugoslavia

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Sweden  
U.S.A.

# Machine taper pin reamers with parallel shanks

## iTeh STANDARD PREVIEW (standards.iteh.ai)

### 1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the dimensions of machine taper pin reamers with parallel shanks.

It covers only metric dimensions, which are the only recommended dimensions in the future for these types of reamers.

The reamers have been designed to produce holes for taper pins manufactured to ISO 2339, in the range 2 to 12 mm nominal diameter.

Unless otherwise stated these reamers will be right-hand cutting.

The flutes may be straight or left-hand spiral at the option of the manufacturer.

Hand taper pin reamers are dealt with in ISO 3465, and machine taper pin reamers with Morse taper shanks in ISO 3467.

### 2 REFERENCES

ISO/R 286, *ISO System of limits and fits – Part 1: General, tolerances and deviations.*

ISO 2339, *Taper pins (unhardened) – Metric series.*

ISO 3465, *Hand taper pin reamers.*

ISO 3466, *Machine taper pin reamers with Morse taper shanks.*

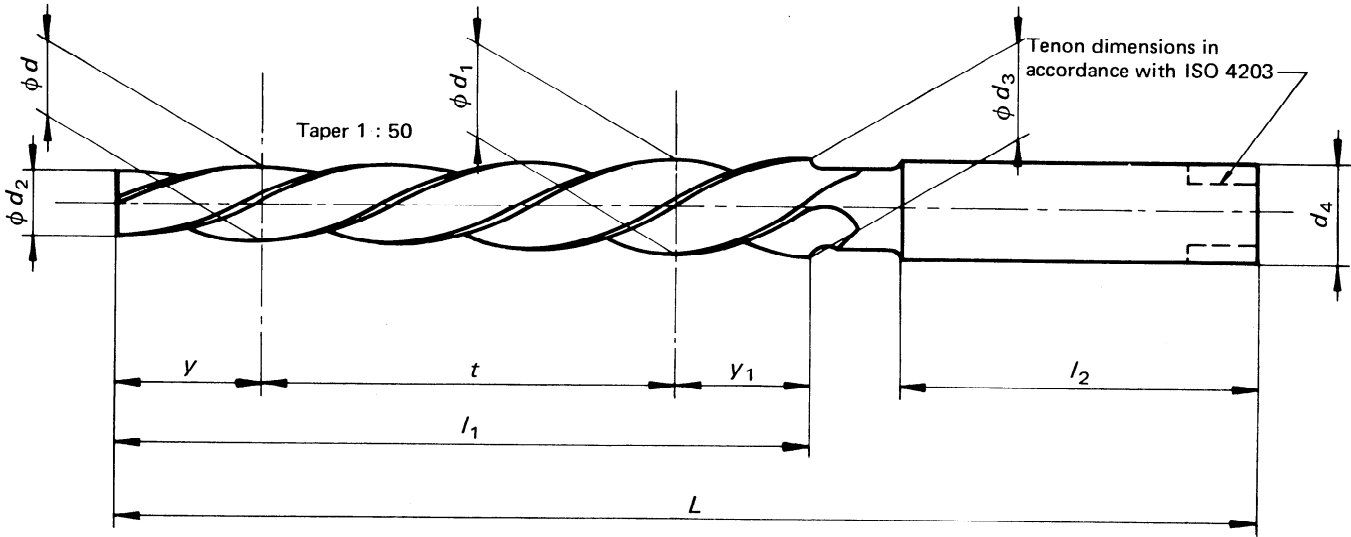
ISO 4203, *Rotating tools with parallel shanks – Sizes of driving tenons.*<sup>1)</sup>

### 3 DRIVING TENONS

The dimensions of the driving tenons for machine taper pin reamers with parallel shanks, when required, shall be in accordance with ISO 4203.

1) At present at the stage of draft proposal.

4 DIMENSIONS



Dimensions in millimetres

$d$ nominal	$d_1$	$t$	$y$	$y_1$	$d_2$	$d_3$	$l_1$	$d_4$ h9	$l_2$	$L$
2	2,7	35	5	8	1,9	2,86	48	3,15	29	86
2,5	3,2	35	5	8	2,4	3,36	48	3,15	29	86
3	3,9	45	5	8	2,9	4,06	58	4,0	32	100
4	5,1	55	5	8	3,9	5,26	68	5,0	34	112
5	6,2	60	5	8	4,9	6,36	73	6,3	38	122
6	7,8	90	5	10	5,9	8,00	105	8,0	42	160
8	10,6	130	5	10	7,9	10,80	145	10,0	46	207
10	13,2	160	5	10	9,9	13,40	175	12,5	50	245
12	15,6	180	10	20	11,8	16,00	210	16,0	58	290