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# INTERNATIONAL STANDARD



# 3467

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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 Morse taper shanks

*Alésoirs à machine pour trous de goupilles coniques, à queue cône Morse*

First edition – 1975-08-01

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

[ISO 3467:1975](https://standards.iteh.ai/catalog/standards/sist/f1f48672-6cfa-4fd4-af2e-b4f82fabf536/iso-3467-1975)

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UDC 621.951.7

Ref. No. ISO 3467-1975 (E)

**Descriptors** : tools, power-operated tools, reamers, Morse taper shanks, dimensions.

## 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 3467 was drawn up by Technical Committee ISO/TC 29, *Small tools*, and circulated to the Member Bodies in June 1974.

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

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

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

Sweden  
U.S.A.

# Machine taper pin reamers with Morse taper shanks

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## 1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the dimensions of machine taper pin reamers with Morse taper 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 5 to 50 mm nominal diameter.

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

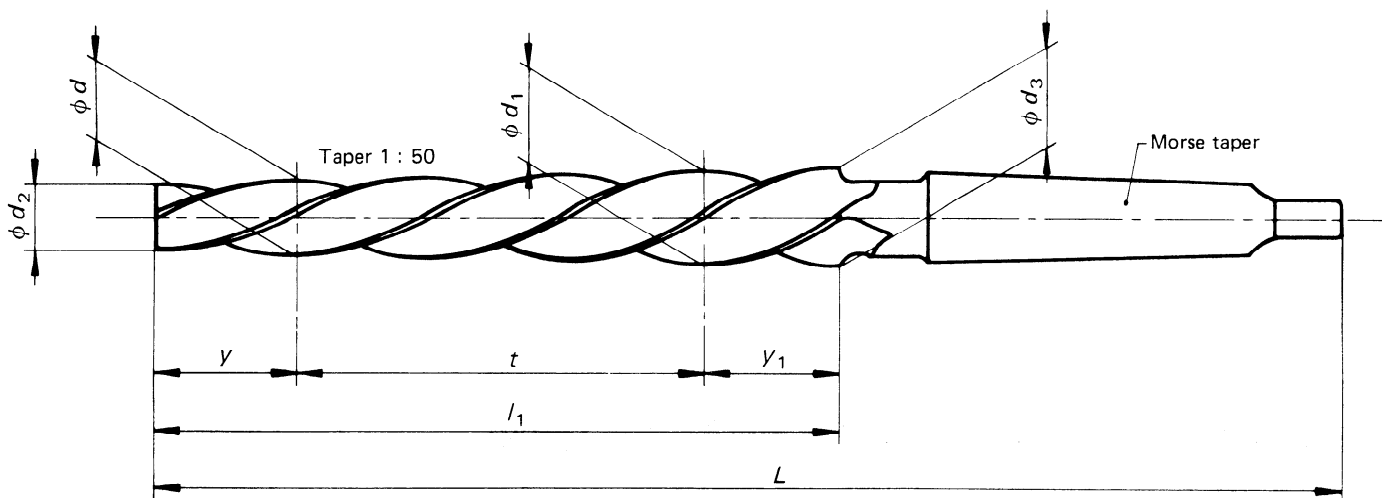
The flutes may be straight or left-hand spiral at the option of the manufacturer.

Hand taper pin reamers are dealt with in ISO 3465, and machine taper pin reamers with parallel shanks in ISO 3466.

## 2 REFERENCES

- ISO/R 286, *ISO System of limits and fits – Part 1: General, tolerances and deviations.*
- ISO 296, *Machine tools – Self-holding tapers for tool shanks.*
- ISO 2339, *Taper pins (unhardened) – Metric series.*
- ISO 3465, *Hand taper pin reamers.*
- ISO 3466, *Machine taper pin reamers with parallel shanks.*

3 DIMENSIONS



Dimensions in millimetres

$d$ nominal	$d_1$	$t$	$y$	$y_1$	$d_2$	$d_3$	$l_1$	$L$	Morse taper No.
5	6,2	60	5	8	4,9	6,36	73	155	1
6	7,8	90	5	10	5,9	8,00	105	187	1
8	10,6	130	5	10	7,9	10,80	145	227	1
10	13,2	160	5	10	9,9	13,40	175	257	1
12	15,6	180	10	20	11,8	16,00	210	315	2
16	20,0	200	10	20	15,8	20,40	230	335	2
20	24,4	220	10	20	19,8	24,80	250	377	3
25	29,8	240	15	45	24,7	30,70	300	427	3
30	35,2	260	15	45	29,7	36,10	320	475	4
40	45,6	280	15	45	39,7	46,50	340	495	4
50	56,0	300	15	45	49,7	56,90	360	550	5