# INTERNATIONAL STANDARD

ISO 4205

Second edition 1991-12-15

# Countersinks, 90°, with parallel shanks and solid pilots

### iTeh S Dutils a chantreiner a 90°, a queue cylindrique et pilote fixe (standards.iteh.ai)

ISO 4205:1991 https://standards.iteh.ai/catalog/standards/sist/9bad3ced-33c6-430c-96b1-0767491abdf6/iso-4205-1991



Reference number ISO 4205:1991(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 FVIEW bodies casting a vote.

(standards.iteh.ai) International Standard ISO 4205 was prepared by Technical Committee ISO/TC 29, Small tools, Sub-Committee SC 2, Drills and reamers. ISO 4205:1991

This second edition cancelss://sandardreplacesalotheandfirstsisteditioned-33c6-430c-96b1-(ISO 4205:1977), of which it constitutes a technical revision/iso-4205-1991

Annex A of this International Standard is for information only.

© ISO 1991

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization

Case Postale 56 • CH-1211 Genève 20 • Switzerland Printed in Switzerland

#### Countersinks, 90°, with parallel shanks and solid pilots

#### 1 Scope

This International Standard specifies the dimensions, in millimetres, and the tolerances of 90° countersinks with parallel shanks and solid pilots for general use.

#### 2 Normative reference

The following standard contains provisions which through reference in this text, constitute provisions the dimen of this International Standard. At the time of public cation, the edition indicated was valid. All standards S. NOTE 1 are subject to revision, and parties to agreements based on this International Standard are encourts is diagramma

most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

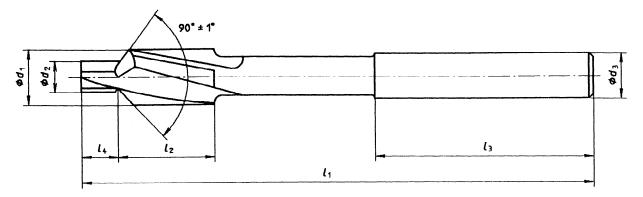
ISO 286-2:1988, ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts.

#### 3 Dimensions

The dimensions and tolerances are shown in figure 1 and given in table 1.

are subject to revision, and parties to agreements NOTE 1 Figure 1 illustrating this International Standard based on this International Standard are encourts: 1991 is diagrammatic only. It is not intended to show details of aged to investigate the possibility of applying the design design design - 33c6-430c-96b1-

0767491abdf6/iso-4205-1991



NOTE – This figure shows a countersink with cutting diameter  $d_1$  greater than 5 mm.

Figure 1

Cutting diameter d <sub>1</sub> z9 <sup>1)</sup>	Pilot diameter <b>iTeb, STANDA</b> <sup>e81)</sup> (standard	-		EW <sub>2</sub>	$\overset{l_3}{\approx}$	14
$2 \leq d_1 \leq 3,15$	ISO 420 https://standards.iteh.ai/catalog/standar 0767491abdf6/i Diameter to be specified to suit pilot hole diameter, when ordering (minimum poss- ible diameter is $d_2 = 1/3 d_1$ )		45	7		
$3,15 < d_1 \leqslant 5$		ds/sist/9bad2	1	80c-9 <b>6</b> b1-		
$5 < d_1 \leq 8$			71	14	31,5	$\approx d_2$
$8 < d_1 \leq 10$			80 18	18	35,5 40	
$10 < d_1 \le 12,5$		10				
$12,5 < d_1 \le 20$		12,5	100	22		

#### Annex A

(informative)

#### **Bibliography**

[1] ISO 4206:1991, Counterbores with parallel shanks and solid pilots.

# iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 4205:1991 https://standards.iteh.ai/catalog/standards/sist/9bad3ced-33c6-430c-96b1-0767491abdf6/iso-4205-1991

#### iTeh STANDARD PREVIEW (standards itch ai) This page intentionally left blank

ISO 4205:1991 https://standards.iteh.ai/catalog/standards/sist/9bad3ced-33c6-430c-96b1-0767491abdf6/iso-4205-1991

#### iTeh STANDARD PREVIEW (standards itch ai) This page intentionally left blank

ISO 4205:1991 https://standards.iteh.ai/catalog/standards/sist/9bad3ced-33c6-430c-96b1-0767491abdf6/iso-4205-1991

# iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 4205:1991 https://standards.iteh.ai/catalog/standards/sist/9bad3ced-33c6-430c-96b1-0767491abdf6/iso-4205-1991

\_\_\_\_\_

#### UDC 621.951.47

Descriptors: tools, cutting tools, countersinks, dimensions.

Price based on 3 pages