INTERNATIONAL STANDARD

ISO 4206

Second edition 1991-12-15

Counterbores with parallel shanks and solid pilots

iTeh Soutils à lamer, à queue cylindrique et pilote fixe (standards.iteh.ai)



ISO 4206:1991(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 FV FW bodies casting a vote.

International Standard ISO 4206 was prepared by Technical Committee ISO/TC 29, Small tools, Sub-Committee SC 2, Drills and reamers.

This second edition cancels://sandardreplacesalothendardsists/edition/9e-332f-4774-a368-(ISO 4206:1977), of which it constitutes a technical/revision/iso-4206-1991

Annex A of this International Standard is for information only.

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International Organization for Standardization
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Counterbores with parallel shanks and solid pilots

1 Scope

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

2 Normative reference

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

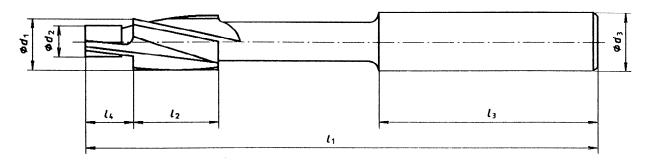
ISO 286-2:1988, ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts.

3 Dimensions

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

NOTE 1 Figure 1 illustrating this International Standard is diagrammatic only. It is not intended to show details of design.

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NOTE — This figure shows a counterbore with cutting diameter d_1 greater than 5 mm.

Figure 1

Table 1

Cutting diameter	Pilot diameter	Shank diameter				
d_1	d_2	d_3	1,	l ₂	l_3	l ₄
z9 ¹ }	iTeh STANDAR	h9 ¹⁾	RVIE	W	≈	
$2 \leqslant d_1 \leqslant 3,15$	(standard) ISO 4206 Diameter to be specified to suit pilot hole of diameter, when ordering (minimum possarible diameter is $d_2 = 1/3 \ d_1$)	s.iteh.	45 91	7		
$3,15 < d_1 \le 5$			56	10		
$5 < d_1 \leqslant 8$		<u>:1991</u>	19e-332f-47	74-a3 6 8-	31,5	$\approx d_2$
8 < d₁ ≤ 10			80	18	35,5	$\sim u_2$
$10 < d_1 \le 12,5$		10				
$12,5 < d_1 \leqslant 20$		12,5	100	22		
1) See ISO 286-2.						

Annex A (informative)

Bibliography

[1] ISO 4205:1991, Countersinks, 90 degrees, with parallel shanks and solid pilots.

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Descriptors: tools, cutting tools, counterboring cutters, dimensions.

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