

INTERNATIONAL STANDARD

ISO
9449

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Tools for moulding — Centring sleeves

Outillage de moulage — Douilles de centrage
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ISO 9449:1990

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Reference number
ISO 9449:1990(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 bodies casting a vote.

International Standard ISO 9449 was prepared by Technical Committee ISO/TC 29, *Small tools*.

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Tools for moulding — Centring sleeves

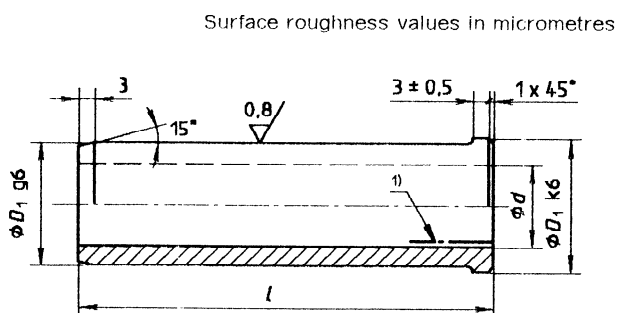
1 Scope

This International Standard specifies the dimensions and tolerances, in millimetres, for centring sleeves intended to be used for locating the spacing blocks in relation to the fixed clamp plates in moulds.

It gives examples of materials and hardness, and specifies the designation of centring sleeves which meet the requirements of this International Standard.

2 Dimensions

See figure 1 and table 1.



1) The design of the rear part, for extraction purposes, is left to the manufacturer's discretion.

NOTE - The centring sleeves are intended to fit in bores having a tolerance H7.

Figure 1

Table 1

l	d ^{11,5} _{+0,5}						
	12	16	20	25	32	40	50
⁰ ₋₁	D ₁ ¹						
	18	22	28	32	40	50	63
20	X	X					
25	X	X					
32	X	X	X				
40	X	X	X				
50	X	X	X				
(56)	X	X	X	X			
63	X	X	X	X			
(71)	X	X	X	X			
80	X	X	X	X	X		
(90)	X	X	X	X	X		
100	X	X	X	X	X		
112		X	X	X	X		
125			X	X	X	X	X
(140)			X	X	X	X	X
160			X	X	X	X	X
(180)					X	X	X
200						X	X

*) See figure 1 for tolerances.

NOTES

1 X indicates standard.

2 Values shown in parentheses are to be avoided.

3 Material and hardness

The material and hardness are left to the manufacturer's discretion.

4 Designation

Centring sleeves in accordance with this International Standard shall be designated by

a) "Centring sleeve";

b) reference to this International Standard;

c) its internal diameter, d ;

d) its length, l .

EXAMPLE

The designation for a centring sleeve of internal diameter $d = 12$ mm and length $l = 20$ mm is as follows:

Centring sleeve ISO 9449 - 12 × 20

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Descriptors: tools, moulding equipment, moulds, components, dimensions, designation.

Price based on 2 pages
