

INTERNATIONAL STANDARD

ISO
722

Third edition
1991-02-15

Rock drilling equipment — Hollow drill steels in bar form, hexagonal and round

iTeh STANDARD PREVIEW
*Matériel de forage des roches — Barres creuses, hexagonales et rondes
pour fleurets*
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ISO 722:1991

<https://standards.iteh.ai/catalog/standards/sist/9b61346b-505b-455b-8693-18473fbcda24/iso-722-1991>



Reference number
ISO 722:1991(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 bodies casting a vote.

International Standard ISO 722 was prepared by Technical Committee ISO/TC 82, *Mining*.

This third edition cancels and replaces the second edition (ISO 722:1985), which has been technically revised (addition of round drill steels and extension of the range of sizes).

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Rock drilling equipment — Hollow drill steels in bar form, hexagonal and round

1 Scope

This International Standard specifies the dimensions of hexagonal and round drill steels in bar form used for rock drilling.

2 Dimensions

The dimensions for hollow hexagonal and round drill steels in bar form shall comply with the dimensions given in figure 1 and table 1 and in figure 2 and table 2, respectively.

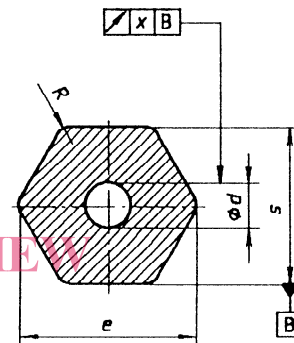


Figure 1

2.1 Hexagonal drill steels

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Table 1

Dimensions in millimetres

Nominal size	Size	s Tolerance	e approx.	d min.	R $\begin{matrix} +1 \\ 0 \end{matrix}$	x
19	19,2	$\begin{matrix} 0 \\ -0,4 \end{matrix}$	21,4	5,5	1,5	1,5
22	22,4	$\begin{matrix} 0 \\ -0,5 \end{matrix}$	24,8	6,1	2	1,5
25	25,6	$\begin{matrix} 0 \\ -0,5 \end{matrix}$	28,5	6,8	2	1,5
28	28,9	$\begin{matrix} 0 \\ -0,7 \end{matrix}$	31,9	8,3	3	1,5
32	32,3	$\begin{matrix} 0 \\ -0,9 \end{matrix}$	35,2	8,8	3,2	2,4
38	38,65	$\begin{matrix} 0 \\ -0,9 \end{matrix}$	42,6	13	3,2	2,4
45	45,4	$\begin{matrix} 0 \\ -1,4 \end{matrix}$	49,2	14,5	4,5	3,2

2.2 Round drill steels

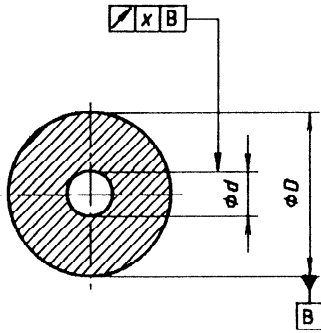


Figure 2

Table 2

Dimensions in millimetres

Nominal size	D		d min.	x
	Size	Tolerance		
32	32,4	$\begin{matrix} 0 \\ -0,7 \end{matrix}$	8,8	1,6
38	39,5	$\begin{matrix} 0 \\ -1 \end{matrix}$	13	2
45	46,5	$\begin{matrix} 0 \\ -1,4 \end{matrix}$	14,5	3
51	52,6	$\begin{matrix} 0 \\ -1,6 \end{matrix}$	16	3

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UDC 622.233.6:669.14-462

Descriptors: mining equipment, drilling equipment, rock drills, drill steels, bore bits, hollow profiles, hexagonal bars, round bars, dimensions.

Price based on 2 pages