

INTERNATIONAL STANDARD

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

*Matériel de forage des roches — Barres creuses, hexagonales et rondes
pour fleurets*

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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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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.

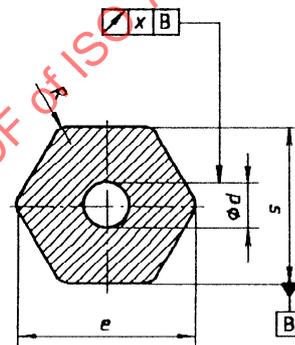


Figure 1

2.1 Hexagonal drill steels

Table 1

Dimensions in millimetres

| Nominal size | Size | 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 | $\begin{matrix} 0 \\ -0,4 \end{matrix}$ | 24,8 | 6,1 | 2 | 1,5 |
| 25 | 25,6 | $\begin{matrix} 0 \\ -0,6 \end{matrix}$ | 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 |