INTERNATIONAL STANDARD

ISO 723

Second edition
1991-02-15

Rock drilling equipment — Forged collared shanks and corresponding chuck bushings for hollow hexagonal drill steels

Matériel de forage des roches — Emmanchements à collerette forgée et douilles porte-outils pour fleurets hexagonaux creux

Reference number
ISO 723:1991(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 723 was prepared by Technical Committee ISO/TC 82, *Mining*.

This second edition cancels and replaces the first edition (ISO 723: 1974), which has been technically revised (extension of the range of sizes and specification of the size of the internal diameter at the forged collar).

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

Printed in Switzerland

Rock drilling equipment — Forged collared shanks and corresponding chuck bushings for hollow hexagonal drill steels

1 Scope

This International Standard specifies the dimensions of forged collared shanks for hollow hexagonal drill steels in bar form for rock drilling, which comply with ISO 722. It also specifies the dimensions for the corresponding chuck bushings.

2 Normative reference

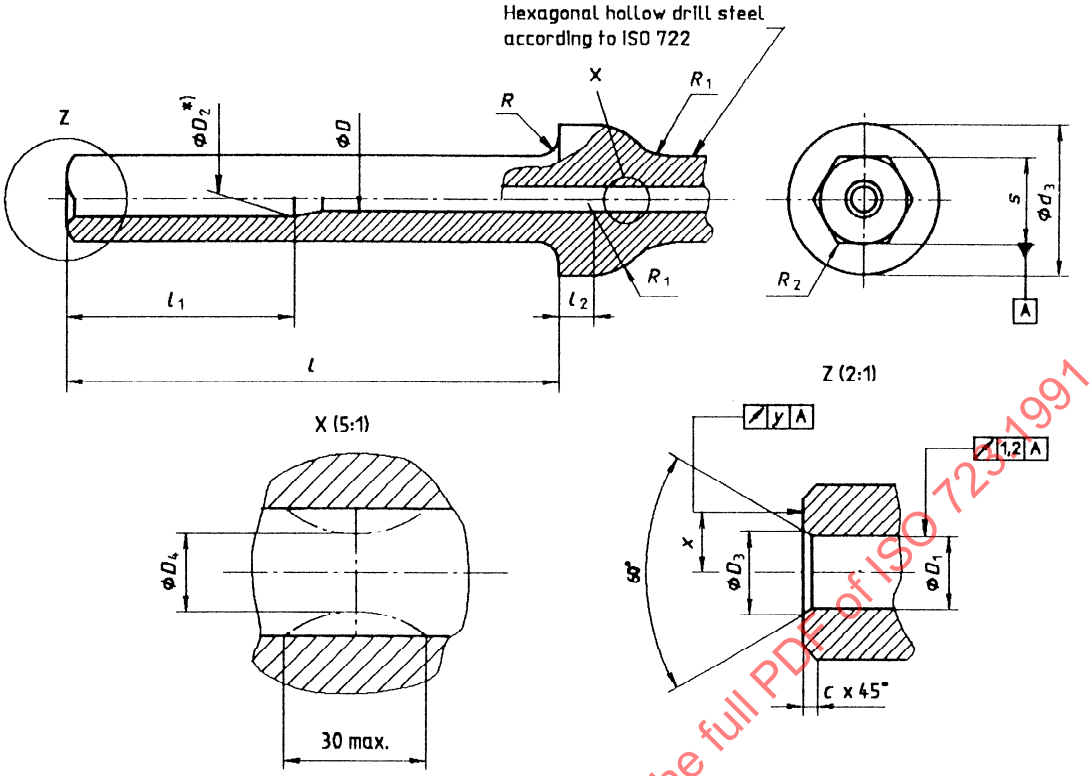
The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 722:1991, *Rock drilling equipment — Hollow drill steels in bar form, hexagonal and round.*

3 Dimensions

3.1 Forged collar shanks

The dimensions of the forged collared shanks and corresponding chuck bushings shall comply with the dimensions given in figure 1 and table 1 and in figure 2 and table 2, respectively.



*) Diameter measured at the entry point of the cone.

Figure 1

Table 1

Dimensions in millimetres

Nominal size	s	l ±1	l_1 min.	l_2	d_3 ±1	D min.	D_1 ±0,3	D_2 $^{+0,3}_{-0,6}$	D_3 ±0,4	D_4 min.	R max.	R_1	R_2 $^{+1}_{0}$	c ±0,2	x	y
19	19,2 $^{0}_{-0,4}$	108	50	6,5	33	5,5	8	8	9,4	3,5	4,5	16	1,5	1	7	0,15
22	22,4 $^{0}_{-0,4}$	108	50	6,5	35	6,1	9	9	10,4	4	4,5	16	2	1	9	0,2
25	25,6 $^{0}_{-0,6}$	108	50	6,5	38	6,8	9,5	9,5	10,9	4,5	4,5	16	2	1	9	0,2
25	25,6 $^{0}_{-0,6}$	159	70	6,5	38	6,8	9,5	9,5	10,9	4,5	4,5	16	2	1	9	0,2
28	28,9 $^{0}_{-0,6}$	159	75	6,5	43	8,3	9,5	9,5	10,9	6,5	4,5	16	3	1	11	0,2

3.2 Chuck bushings

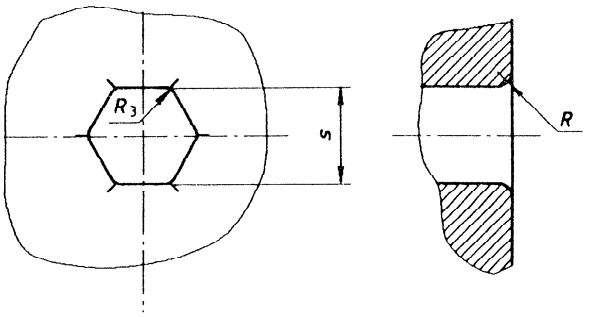


Figure 2

Table 2

Dimensions in millimetres

Nominal size	l [1]	s	R $^{+1}_{0}$	R_3 max.
19	108	19,2 $^{+0,25}_{+0,05}$	4,5	1,2
22	108	22,4 $^{+0,25}_{+0,05}$	4,5	1,2
25	108	25,6 $^{+0,25}_{+0,05}$	4,5	1,2
25	159	25,6 $^{+0,35}_{+0,05}$	4,5	1,2
28	159	28,9 $^{+0,35}_{+0,05}$	4,5	1,2

1) See table 1 and figure 1.

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