SLOVENSKI STANDARD
SIST ISO 721:1997

01-avgust-1997

Oprema za vrtanje kamnin - Enovito (monoblok) drogovje

Rock drilling equipment -- Integral stems

Matériel de forage des roches -- Fleurets monoblocs

Ta slovenski standard je istoveten z: **ISO 721:1991**

ICS:

73.100.30	Oprema za vrtanje in izkopavanje	Equipment for drilling and mine excavation

SIST ISO 721:1997 **en**

INTERNATIONAL STANDARD

ISO 721

Second edition
1991-01-15

Rock drilling equipment — Integral stems

Matériel de forage des roches — Fleurets monoblocs

Reference number
ISO 721:1991(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 721 was prepared by Technical Committee ISO/TC 82, *Mining*.

This second edition cancels and replaces the first edition (ISO 721:1974), which has been technically revised.

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

Printed in Switzerland

Rock drilling equipment — Integral stems

1 Scope

This International Standard specifies the dimensions of integral stems used for rock drilling.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were 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 editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 722:1990, *Rock drilling equipment — Hollow drill steels in bar form, hexagonal and round.*

ISO 723:1990, *Rock drilling equipment — Forged collared shanks and corresponding chuck bushings for hollow hexagonal drill steels.*

3 Integral stems, 19 mm hexagon, with forged collared shank

The 19 mm hexagonal integral stems with forged collared shank shall comply with the dimensions shown in figure 1 and given in table 1.

NOTE 1 Where it is impossible to use the recommended combinations of bit gauges D and lengths L, the bit gauges and lengths from table 1 should nevertheless be used in different combinations.

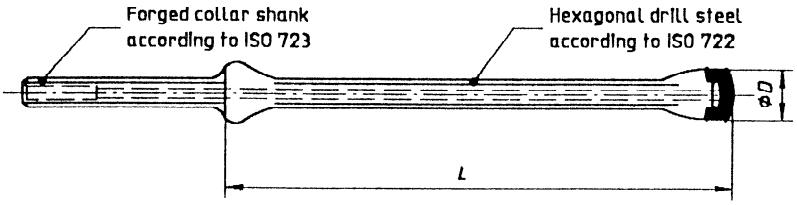

Figure 1

Table 1

L min.	*D* $^{+0,5}_{-0,1}$ mm										
m	35	34	33	32	30	29	28	27	26	25	24
0,4	x					X					
0,6								x			
0,8		x					X				
1,2					x				x		
1,6			x					X			
1,8										x	
2,4				x		x			X		
3,2										X	
3,6							x				
4											x
4,8								x			
6									x		
7,2										x	
9,6											x

NOTE — Large crosses (X) within thick-lined frames indicate series of preferred combinations of bit gauge *D* and length *L*. Small crosses indicate further standardized series.

4 Integral stems, 22 mm hexagon, with forged collared shank

The 22 mm hexagonal integral stems with forged collared shank shall comply with the dimensions shown in figure 2 and given in table 2.

NOTE 2 Where it is impossible to use the recommended combinations of bit gauges D and lengths L, the bit gauges and lengths from table 2 should nevertheless be used in different combinations.

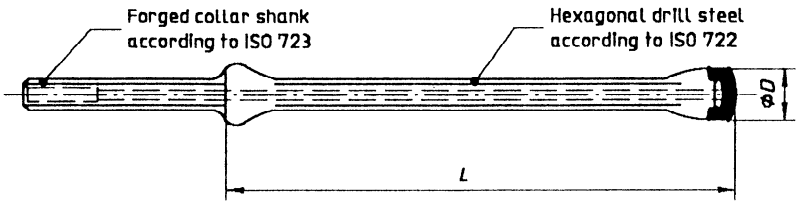

Figure 2

Table 2

L min. m	D $^{+0,5}_{-0,1}$ mm												
	40	39	38	37	36	35	34	33	32	31	30	29	28
0,4							x						
0,5													
0,6						x							
0,8	X						X	x					
1,2							x		x				
1,6		X						X		x			
1,8								x					
2											x		
2,4			X						X				
3,2				X						X			
4					X						X		
4,8						X						X	
5,6							X						
6,4								X					

NOTE — Large crosses (X) within thick-lined frames indicate series of preferred combinations of bit gauge D and length L. Small crosses indicate further standardized series.

5 Integral stems, 25 mm hexagon, with forged collared shank

The 25 mm hexagonal integral stems with forged collared shank shall comply with the dimensions shown in figure 3 and given in table 3.

NOTE 3 Where it is impossible to use the recommended combinations of bit gauges D and lengths L, the bit gauges and lengths from table 3 should nevertheless be used in different combinations.

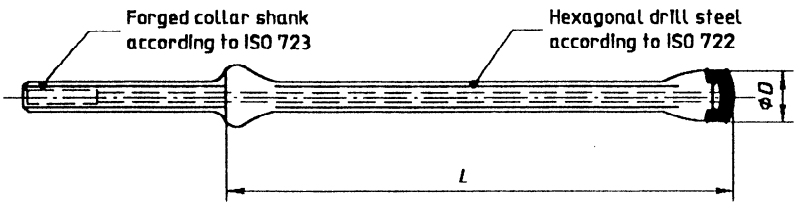

Figure 3

Table 3

L min. m	D $^{+0,5}_{-0,1}$ mm									
	42	41	40	39	38	37	36	35	34	33
0,8	X						X			
1,6		X						X		
2,4			X						X	
3,2				X						X
4					X					
4,8						X				
5,6							X			
6,4								X		

NOTE — Crosses (X) within thick-lined frames indicate series of preferred combinations of bit gauge D and length L.