INTERNATIONAL STANDARD 722

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Rock drilling — Hollow hexagonal drill-steels in bar form

Forage des roches — Profilé hexagonal creux en acier pour fleurets

First edition — 1974-06-01

UDC 622.233.052-42 : 669.14 **Ref. No. ISO 722-1974 (E)**

Descriptors : mining, drilling equipment, drilling stem.

Price based on 1 page

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 82 has reviewed ISO Recommendation R 722 and found it suitable for transformation. International Standard ISO 722 therefore replaces ISO Recommendation R 722-1968.

ISO Recommendation R 722 was approved by the Member Bodies of the following countries :

Australia	Germany	Poland
Belgium	Hungary	Portugal
Brazil	India	South Africa, Rep. of
Chile	Japan	Spain
Czechoslovakia	Korea, Rep. of	Sweden
Egypt, Arab Rep. of	Netherlands	Turkey
France	New Zealand	United Kingdom

The Member Bodies of the following countries expressed disapproval of the Recommendation on technical grounds :

Canada
U.S.S.R.
Yugoslavia*

The Member Body of the following country disapproved the transformation of ISO/R 722 into an International Standard :

Canada

* Subsequently, this Member Body approved the Recommendation.

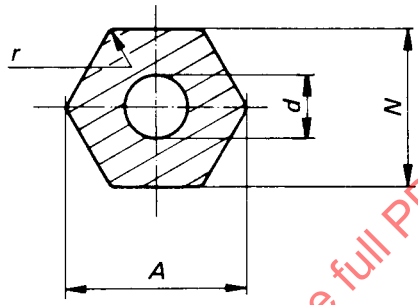
Printed in Switzerland

Rock drilling — Hollow hexagonal drill-steels in bar form

1 SCOPE AND FIELD OF APPLICATION

This International Standard fixes the dimensions of hollow hexagonal drill-steels in bar form used for rock drilling.

2 DIMENSIONS



Dimensions in millimetres

Nominal size	N Basic size	N Tolerance	A ≈	d	r	Eccentricity : distance between the centre of the hexagon and the centre of the hole max.	Section ≈ mm²	Mass[1] ≈ kg/m
19	19,2	+0,1 −0,4	21,4	6 ± 0,5	1,5 $^{+1}_{0}$	0,75	285	2,2
22	22,4		24,8	6,7 ± 0,6	2 $^{+1}_{0}$	0,75	390	3,1
25	25,6	0 −0,6	28,5	7,6 ± 0,75	2 $^{+1}_{0}$	0,75	510	4

Dimensions in inches

Nominal size	N Basic size	N Tolerance	A ≈	d	r	Eccentricity : distance between the centre of the hexagon and the centre of the hole max.	Section ≈ in²	Mass[1] ≈ lb/ft
3/4	0.756	+ 0.004 − 0.016	0.843	0.236 ± 0.020	0.059 $^{+0.039}_{0}$	0.030	0.442	1.48
7/8	0.882		0.976	0.264 ± 0.024	0.079 $^{+0.039}_{0}$	0.030	0.605	2.08
1	1.008	0 − 0.024	1.122	0.299 ± 0.030	0.079 $^{+0.039}_{0}$	0.030	0.791	2.69

1) Relative density 7,85.