

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1720

ROCK DRILLING

EXTENSION DRILL-STEEL EQUIPMENT
FOR PERCUSSIVE LONG-HOLE DRILLING

ROPE-THREADED EQUIPMENTS

$1\frac{1}{2}$ to 2 in (38 to 51 mm)

1st EDITION
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BRIEF HISTORY

The ISO Recommendation R 1720, *Rock drilling – Extension drill-steel equipment for percussive long-hole drilling – Rope-threaded equipments 1½ to 2 in (38 to 51 mm)*, was drawn up by Technical Committee ISO/TC 82, *Mining*, the Secretariat of which is held by the Deutscher Normenausschuss (DNA).

Work on this question led to the adoption of Draft ISO Recommendation No. 1720, which was circulated to all the ISO Member Bodies for enquiry in March 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Belgium	Iran	Spain
Canada	Israel	Sweden
Czechoslovakia	Italy	Thailand
France	Japan	Turkey
Germany	Netherlands	U.A.R.
Greece	New Zealand	United Kingdom
Hungary	Poland	Yugoslavia
India	South Africa, Rep. of	

The following Member Body opposed the approval of the Draft :

Austria

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

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ROPE-THREADED EQUIPMENTS
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1. SCOPE

This ISO Recommendation specifies the basic dimensions for rope-threaded extension drill-steel equipment for percussive long-hole drilling, of the following nominal sizes :

$1\frac{1}{2}$ in (38 mm)

$1\frac{3}{4}$ in (45 mm)

2 in (51 mm)

2. LIST OF COMPONENTS

Equipment	1 $\frac{1}{2}$ in (38 mm)		1 $\frac{3}{4}$ in (45 mm)		2 in (51 mm)	
Thread diameter	1 $\frac{1}{2}$ in		1 $\frac{3}{4}$ in		2 in	
Size of drill steel in bar form	1 $\frac{1}{2}$ in ϕ (38 mm)		1 $\frac{3}{4}$ in ϕ (45 mm)		2 in ϕ (51 mm)	
Lengths of extension rods (see page 5)	mm	ft	mm	ft	mm	ft
	3050	10	3050	10	3050	10
	3660	12	3660	12	—	—
	—	—	—	—	6095	20
Wrench flats for extension rods	See page 6					
Coupling sleeves	See page 7					
Bit diameter (four-wing bits) (see page 9)	mm	in	mm	in	mm	in
	64	2 $\frac{1}{2}$	—	—	—	—
	70	2 $\frac{3}{4}$	—	—	—	—
	76	3	76	3	—	—
	89	3 $\frac{1}{2}$	89	3 $\frac{1}{2}$	89	3 $\frac{1}{2}$
	—	—	102	4	102	4
	—	—	—	—	115	4 $\frac{1}{2}$
Rope threads	See pages 9 and 10					
Round drill steel in bar form	See page 11					