

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1721

ROCK DRILLING

EXTENSION DRILL-STEEL EQUIPMENT
FOR PERCUSSIVE LONG-HOLE DRILLING
REVERSE-BUTTRESS-THREADED EQUIPMENTS

$1\frac{1}{16}$ and $1\frac{1}{4}$ in (27 and 32 mm)

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BRIEF HISTORY

The ISO Recommendation R 1721, *Rock drilling – Extension drill-steel equipment for percussive long-hole drilling – Reverse-buttress-threaded equipments $1\frac{1}{16}$ and $1\frac{1}{4}$ (27 and 32 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. 1721, 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 :

Austria	India	South Africa, Rep. of
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

No Member Body opposed the approval of the Draft.

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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1. SCOPE

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

$1\frac{1}{16}$ in light (27 mm)

$1\frac{1}{4}$ in light (32 mm)

2. LIST OF COMPONENTS

Equipment	1 $\frac{1}{16}$ in light (27 mm)		1 $\frac{1}{4}$ in light (32 mm)	
Thread diameter	1 $\frac{1}{16}$ in		1 $\frac{1}{4}$ in	
Size of drill rod in bar form	$\frac{7}{8}$ in hexagonal (22 mm)		1 in hexagonal (25 mm)	
Shank adapters hexagon type	See page 5			
Shank adapters lug-shank type	See page 6			
Lengths of extension rods. See page 7	mm	ft	mm	ft
	915	3	915	3
	1220	4	1220	4
	—	—	1525	5
	1830	6	1830	6
	2435	8	2435	8
	—	—	3050	10
Coupling sleeves	See page 8			
Bit diameters (four-wing bits) See page 9	mm	in	mm	in
	41	1 $\frac{5}{8}$	—	—
	45	1 $\frac{3}{4}$	—	—
	—	—	48	1 $\frac{7}{8}$
	51	2	51	2
	—	—	57	2 $\frac{1}{4}$
	—	—	64	2 $\frac{1}{2}$
Reverse-buttress threads	See page 10			
Rod section specification	See page 11			