R32 dome and pilot reamer bit for drifting and tunneling

Using the R32 dome and pilot reamer bit can reduce the frequency of hole cleaning, thereby improving drilling efficiency and achieving precise borehole diameter.

Application of R32 Dome and Pilot Reamer Bit

In tunneling jumbo drilling rigs, the primary purpose of the pilot reamer bit is to drill the initial hole or pilot hole.

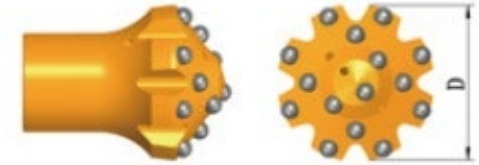
Specifications

- R32 pilot reamer bit, also named R32 pilot reaming bit
- R32 dome reamer bit, also named R32 dome reaming bit

Technical Specifications of the R32 Dome and Pilot Reamer Bit

- **Connection thread:** R32
- **Head material:** Tungsten carbide
- **Bit body material:** High-strength alloy steel
- **Flushing grooves:** Distributed along the bit for cuttings removal and cooling
- **Head design:** Spherical buttons
- **Diameter:** 64 mm, 76 mm, 89 mm, 102 mm, and 127 mm
- **Gauge button angle:** 35 degrees
- **Gauge buttons:** 9 x 10 mm, 9 x 11 mm, 12 x 12 mm, and 12 x 13 mm
- **Center buttons:** 3 x 10 mm and 3 x 13 mm
- **Weight:** ranges from 1.8 kg to 4.7 kg
- **Head manufacturing process:** Hot-mounting technique
- **Other manufacturing processes:** Full carburizing heat treatment, high-frequency treatment, and phosphating treatment

Reaming bit	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
Pilot reaming bit 	64	2 1/2	9 x 10 mm	3 x 10 mm	35 degree	R32	B100-6412-5405	1.8
	76	3	9 x 11 mm	3 x 10 mm	35 degree	R32	B100-7612-5405	2.4
Pilot reaming bit 	89	3 1/2	12 x 12 mm	3 x 10 mm	35 degree	R32	B100-8915-5405	3.1
Pilot reaming bit	102	4	12 x 13 mm	3 x 10 mm	35 degree	R32	B100-0215-5405	3.5

Reaming bit	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
								
Dome reaming bit 	127	5	12 x 13 mm	3 x 13 mm	35 degree	R32	B107-2715-5405	4.7