

## R28 piloted reamer bit with 35 angle for drifter rod

Compared to domed reamer bits, piloted reamer bits have a smaller cutting diameter and are primarily responsible for penetrating the rock and initiating the drilling process. In top hammer drilling rigs, the main function of the piloted reamer bit is to drill the initial or pilot hole.

### Piloted Reamer Bit Overview

The core function of the piloted reamer bit is to enlarge the borehole diameter while efficiently removing rock cuttings generated during the drilling process. Using this bit reduces the frequency of hole cleaning, improves operational efficiency, and ensures the accuracy of the borehole diameter.

### Technical Specifications of the R28 Piloted Reamer Bit


- **Connection thread:** R28
- **Head material:** Tungsten carbide
- **Bit body material:** High-strength alloy steel
- **Flushing grooves:** Distributed along the bit for cuttings removal and cooling



<https://www.beentools.com>

- **Head design:** Spherical buttons, piloted reamer bit
- **Diameter:** 64 mm and 76 mm
- **Gauge button angle:** 35 degrees
- **Gauge buttons:** 9 x 10 mm and 9 x 11 mm
- **Center buttons:** 3 x 10 mm
- **Weight:** Ranges from 1.7 kg to 2.3 kg
- **Head manufacturing process:** Hot-mounting technique
- **Other manufacturing processes:** Full carburizing heat treatment, high-frequency treatment, and phosphating treatment

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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	R28	B100-6412-5305	1.7
	76	3	9 x 11 mm	3 x 10 mm	35 degree	R28	B100-7612-5305	2.3