

## R28 cross and button drill bit for drifting and tunneling

Both the R28 button bit and cross bit are made of high-quality alloy steel and carbide, manufactured through a full carburizing heat treatment process, offering excellent wear resistance, corrosion resistance, and a long service life.

### R28 Threaded Button Bits and Cross Bits Overview

This series of R28 threaded button bits and cross bits is specially designed for drift excavation blasting and anchor hole drilling in large underground metal mines.

The threaded coupling sleeve is manufactured with CNC machining.


### Technical Information of R28 Threaded Button Bit

- **Thread connection:** R28
- **Head material:** Tungsten carbide
- **Bit body material:** High-strength alloy steel
- **Flushing grooves:** Distributed along the bit for chip removal and cooling
- **Head design:** Button shape



<https://www.beentools.com>

- **Diameter:** 38mm, 41mm, and 43mm
- **Gauge angles:** 30 degree and 35 degree
- **Gauge buttons:** 5×9 mm and 5×10 mm
- **Center buttons:** 2×7 mm and 2×8 mm
- **Weight:** 0.6kg and 0.7kg
- **Head manufacturing process:** Hot-inlay technology
- **Other manufacturing processes:** Full carburizing heat treatment, high-frequency treatment, and phosphating process

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge (No x Size, mm)	Buttons Centre (No x Size, mm)	Gauge button angle	Thread	Order number	Weight (kg)
Button 	38	1 1/2	5 x 9 mm	2 x 7 mm	30 degree	R28	B173- 3807-5363	0.6
	41	1 5/8	5 x 9 mm	2 x 8 mm	30 degree	R28	B173- 4107-5365	0.6


Thread bit, Button	D (mm)	D (inch)	Buttons Gauge (No x Size, mm)	Buttons Centre (No x Size, mm)	Gauge button angle	Thread	Order number	Weight (kg)
	43	1 11/16	5 x 10 mm	2 x 8 mm	30 degree	R28	B173- 4307-5365	0.7
	38	1 1/2	5 x 9 mm	2 x 8 mm	35 degree	R28	B173- 3807-5345	0.6

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge (No x Size, mm)	Buttons Centre (No x Size, mm)	Gauge button angle	Thread	Order number	Weight (kg)
	41	1 5/8	5 x 9 mm	2 x 8 mm	35 degree	R28	B173- 4107-5345	0.6
	43	1 11/16	5 x 10 mm	2 x 8 mm	35 degree	R28	B173- 4307-5345	0.7

### Technical Parameters of R28 Threaded Cross Drill Bit

- **Thread connection:** R28
- **Head material:** Inlaid tungsten carbide teeth
- **Bit body material:** High-strength alloy steel
- **Flushing grooves:** Distributed along the bit for discharging waste residue and coolant
- **Head design:** Cross shape
- **HxT:** 12x8mm
- **Diameter:** 38mm and 42mm
- **Weight:** 0.5kg and 0.6kg

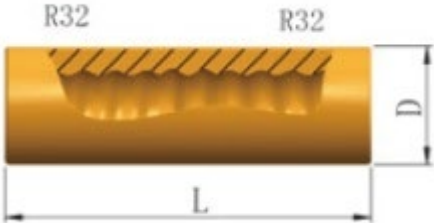
**R28 Threaded Cross Drill Bit**

Thread bit, Insert	D (mm)	D (inch)	Insert H x T	Thread	Order number	Weight (kg)
<b>Cross</b> 	38	1 1/2	12 x 8 mm	R28	B158-3812-5310	0.5
	42	1 5/8	12 x 8 mm	R28	B158-4212-5310	0.6

### Technical Specifications of the threaded Coupling Sleeve

- **Type:** Middle stop
- **Thread connection:** R32 and R38
- **Length:** 160 mm and 170 mm
- **Diameter:** 45 mm and 55 mm
- **Material:** Forged high-strength alloy steel
- **Manufacturing process:** Full carburizing heat treatment
- **Weight:** 1.0 kg and 1.7 kg

threaded Coupling Sleeve

Coupling sleeve	L (mm)	L (inch)	D (mm)	D (inch)	Thread	Order number	Weight (kg)
Middle stop	160	6 5/16	45	1 3/4	R32	B302-4516-5454	1.0
	170	6 3/4	55	2 5/32	R38	B302-5517-5656	1.7