

T45 threaded retract button bit for open pit mining

The T45 threaded drill bit is suitable for medium-hard to hard rock formations. It features a standardized T45 threaded connection, ensuring compatibility with various drilling rigs and drill rods, thus enabling reliable and efficient power transmission.

T45 Threaded Drill Bit Overview


The core value of the T45 threaded drill bit lies in its balanced performance in penetration speed, durability, and cost-effectiveness. It is widely used in bench drilling and production blasting operations. This webpage mainly introduces the T45 threaded button bit, T45 retract button bit, T45 drop center retract button bit, T45 threaded X drill bit, and coupling sleeve.

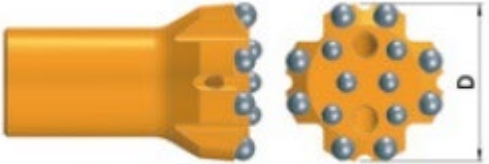
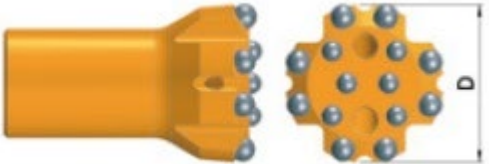


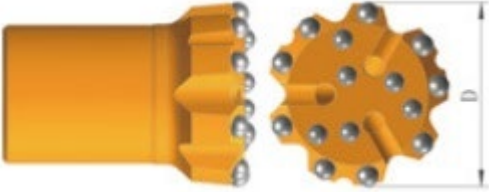
Technical Information

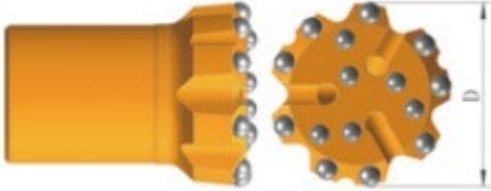
T45 Threaded Button Bit


- **Connection Thread:** T45
- **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
- **Diameter:** 76 mm, 89 mm, and 102 mm
- **Gauge Button Angle:** 30 degree, 35 degree, and 40 degree
- **Gauge Buttons:** 7×12 mm, 8×11 mm, etc.
- **Center Buttons:** 4×11 mm, 4×12 mm, 6×13 mm, etc.
- **Weight:** 2.4 kg and 6.4 kg
- **Head Manufacturing Process:** Hot-pressing inlay technology
- **Other Manufacturing Processes:** Full carburizing heat treatment, high-frequency treatment, and phosphating treatment


Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
Button 	76	3	7 x 12 mm	4 x 12 mm	35 degree	T45	B173- 7611-7705	2.4
	76	3	7 x 12 mm	4 x 11 mm	35 degree	T45	B173- 7611-7765	2.4
Button	76	3	8 x 11 mm	6 x 10 mm	35 degree	T45	B173- 7614-7705	2.6


Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	76	3	8 x 11 mm	6 x 10 mm	40 degree	T45	B173- 7614-7764	2.6
	89	3 1/2	8 x 13 mm	5 x 13 mm	35 degree	T45	B173- 8913-7705	3.8
	89	3 1/2	8 x 13 mm	6 x 13 mm	35 degree	T45	B173- 8914-7765	3.8

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
Button 	89	3 1/2	9 x 11 mm	5 x 11 mm	40 degree	T45	B173- 8914-7704	4.7
	102	4	9 x 12 mm	6 x 12 mm	35 degree	T45	B173- 0215-7705	6.7
Button	76	3	8 x 11 mm	6 x 10 mm	30 degree	T45	B175- 7614-7703	2.6

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	89	3 1/2	8 x 12 mm	6 x 11 mm	35 degree	T45	B175- 8914-7705	4.4
	102	4	8 x 13 mm	7 x 12 mm	40 degree	T45	B175- 0215-7704	6.4
	76	3	8 x 11 mm	6 x 10 mm	35 degree	T45	B175- 7614-7765	2.5

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	89	3 1/2	8 x 12 mm	7 x 11 mm	40 degree	T45	B175- 8915-7764	4.4
<p data-bbox="210 826 519 863">Button, flat, retrac</p> 	76	3	8 x 12 mm	4 x 11 mm	35 degree	T45	B174- 7612-7705	3.2
	76	3	8 x 12 mm	4 x 11 mm	40 degree	T45	B174- 7612-7764	3.2

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
<p data-bbox="210 707 517 743">Button, flat, retrac</p> 	89	3 1/2	9 x 11 mm	6 x 10 mm	35 degree	T45	B174- 8915-7705	4.2
	102	4	9 x 12 mm	6 x 12 mm	35 degree	T45	B174- 0215-7705	5.8
	89	3 1/2	9 x 12 mm	6 x 10 mm	40 degree	T45	B174- 8915-7764	4.7

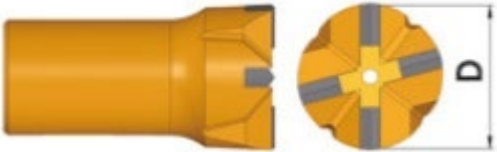
Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	102	4	9 x 12 mm	6 x 12 mm	40 degree	T45	B174- 0215-7764	6.4
Button, drop center, retrac 	70	2 3/4	6 x 11 mm	4 x 10 mm	40 degree	T45	B176- 7010-7704	2.2
	76	3	8 x 11 mm	6 x 10 mm	30 degree	T45	B176- 7614-7703	2.6

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	89	3 1/2	8 x 12 mm	6 x 11 mm	35 degree	T45	B176- 8914-7705	3.8
	102	4	8 x 13 mm	7 x 12 mm	35 degree	T45	B176- 0215-7705	5.3
	76	3	8 x 11 mm	6 x 10 mm	35 degree	T45	B176- 7614-7765	2.6

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	89	3 1/2	8 x 12 mm	7 x 11 mm	40 degree	T45	B176- 8915-7764	3.8
	102	4	8 x 13 mm	7 x 12 mm	40 degree	T45	B176- 0215-7764	5.3

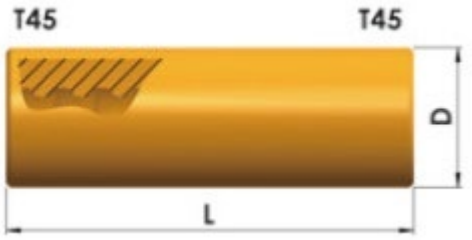
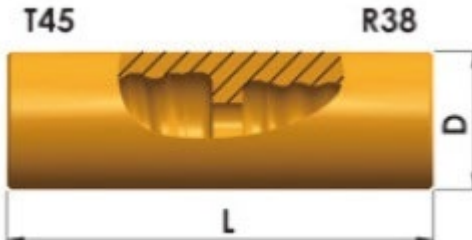
T45 Threaded X Drill Bit

- **Connection Thread:** T45
- **Head Material:** Embedded tungsten carbide teeth
- **Bit Body Material:** High-strength alloy steel
- **Flushing Grooves:** Distributed along the bit for discharging waste slag and coolant
- **Head Design:** X-shape and cross-shape
- **H x T:** 16×10 mm
- **Diameter:** 76 mm
- **Weight:** 2.5 kg

Thread bit, Insert	D (mm)	D (inch)	Insert H x T	Thread	Order number	Weight (kg)
<p>X bit</p> 	89	3 1/2	16 x 10 mm	T45	B168-8916- 7710	5.0

Coupling Sleeve

- **Types:** Middle stop and reduction
- **Thread Connection Types:** T45 and R38
- **Length:** 200 mm and 207 mm
- **Diameter:** 66 mm
- **Material:** Forged high-strength alloy steel
- **Manufacturing Process:** Full carburizing heat treatment
- **Weight:** 3.1 kg and 3.2 kg

Coupling sleeve	L (mm)	L (inch)	D (mm)	D (inch)	Thread	Order number	Weight (kg)
Middle stop 	207	8 1/16	66	2 3/8	T45	B302-6620-7777	3.1
Reduction 	200	8 1/16	66	2 3/8	T45, T38	B303-6620-7776	3.2
	207	8 1/16	66	2 3/8	T45, T51	B303-6620-7778	3.2