

T51 drop center retract button bit for bench drilling tools

The T51 series drill bits and coupling sleeves are mainly used with crawler-type fully hydraulic drilling rigs for open-pit stone quarrying, cement raw material extraction, and large-diameter rock blasting operations.

T51 Threaded Drill Bit Overview

The T51 threaded drill bit features high drilling speed, which accelerates project completion, and offers an affordable price, providing excellent economic value.


This webpage mainly introduces the T51 threaded button bit, T51 retract button bit, T51 drop center retract button bit, and coupling sleeve.

Technical Information



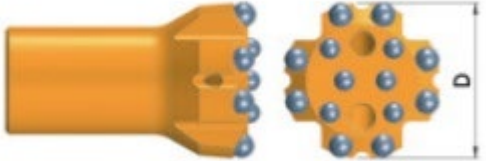
Technical Information of T51 Threaded Button Bit

- **Connection Thread:** T51
- **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:** 89 mm, 102 mm, 115 mm, and 127 mm
- **Gauge Button Angle:** 35 degree and 40 degree
- **Gauge Buttons:** 9×12 mm, 9×12 mm, etc.
- **Center Buttons:** 6×10 mm, 6×12 mm, 7×13 mm, etc.
- **Weight:** 4.0 kg and 9.5 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)
<p data-bbox="210 651 327 683">Button</p> 	89	3 1/2	9 x 11 mm	6 x 10 mm	35 degree	T51	B173- 8915- 7805	4.0
	102	4	9 x 12 mm	6 x 12 mm	35 degree	T51	B173- 0215- 7805	4.8


Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	115	4 1/2	9 x 13 mm	6 x 12 mm	35 degree	T51	B173- 1515- 7805	7.0
	127	5	9 x 14 mm	6 x 13 mm	35 degree	T51	B173- 2715- 7805	8.0

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	89	3 1/2	9 x 11 mm	6 x 10 mm	40 degree	T51	B173- 8915- 7864	4.8
Button	89	3 1/2	8 x 12 mm	6 x 11 mm	35 degree	T51	B173- 8914- 7805	4.0


Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	102	4	8 x 13 mm	7 x 12 mm	35 degree	T51	B173- 0215- 7805	6.6
	115	4 1/2	8 x 14 mm	7 x 13 mm	35 degree	T51	B173- 1515- 7805	7.0

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	127	5	8 x 14 mm	7 x 14 mm	35 degree	T51	B173- 2715- 7805	9.4
	89	3 1/2	8 x 11 mm	7 x 11 mm	40 degree	T51	B173- 8915- 7864	4.0

	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
Thread bit, Button	102	4	8 x 13 mm	7 x 12 mm	40 degree	T51	B173- 0215- 7864	6.6
Button, flat, retrac	89	3 1/2	9 x 11 mm	6 x 10 mm	35 degree	T51	B174- 8915- 7805	4.9

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	35 degree	T51	B174- 0215- 7805	7.1
	115	4 1/2	9 x 13 mm	6 x 12 mm	35 degree	T51	B174- 1515- 7805	9.5

	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
Thread bit, Button	89	3 1/2	9 x 11 mm	6 x 10 mm	40 degree	T51	B174- 8915- 7864	4.9
Button, drop center, retrac	89	3 1/2	8 x 12 mm	6 x 11 mm	35 degree	T51	B176- 8914- 7805	4.7

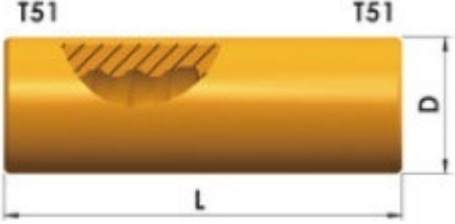
Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	102	4	8 x 13 mm	6 x 12 mm	35 degree	T51	B176- 0214- 7805	5.3
	115	4 1/2	8 x 14 mm	6 x 13 mm	35 degree	T51	B176- 1514- 7805	7.0

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	127	5	8 x 14 mm	7 x 14 mm	35 degree	T51	B176- 2715- 7805	8.0
	89	3 1/2	8 x 12 mm	5 x 11 mm	40 degree	T51	B176- 8913- 7864	4.7

Thread bit, Button	D (mm)	D (inch)	Buttons Gauge	Buttons Centre	Gauge button angle	Thread	Order number	Weight (kg)
	102	4	8 x 13 mm	6 x 12 mm	40 degree	T51	B176- 0214- 7864	5.3
	115	4 1/2	8 x 14 mm	7 x 13 mm	40 degree	T51	B176- 1515- 7864	7.0

Technical Parameters of Coupling Sleeve

- **Types:** Middle stop and reduction
- **Thread Connection Types:** T51 and T45
- **Length:** 235 mm
- **Diameter:** 72 mm and 77 mm
- **Material:** Forged high-strength alloy steel
- **Manufacturing Process:** Full carburizing heat treatment
- **Weight:** 4.0 kg, 4.2 kg, and 4.3 kg

Coupling sleeve	L (mm)	L (inch)	D (mm)	D (inch)	Thread	Order number	Weight (kg)
Middle stop	235	9 1/4	72	2 27/32	T51	320-7223-7878	4.0
	235	9 1/4	77	3 1/32	T51	320-7723-7878	4.3
Reduction	235	9 1/4	72	2 27/32	T51, T45	330-7223-7877	4.2
