

## **T51 drop center retract button bit for underground mining**

The T51 button bit is used for underground long-hole drilling in mines. It is mainly installed on fully hydraulic drilling rigs and is suitable for underground mining, long-hole blasting holes, and stope support hole drilling operations.

### **T51 Threaded Button Bit Features**

The T51 threaded button bit is specially designed for high-speed drilling through hard ore rock formations while reducing bit wear.

The front end of the T51 threaded retract spherical button bit is narrower, which enhances flushing efficiency in soft rock or gravel and significantly reduces the risk of the bit becoming stuck.

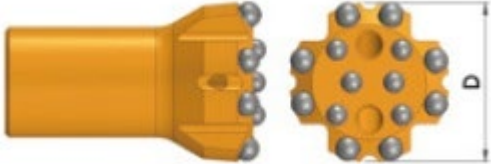
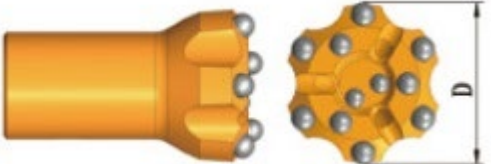

### **Specifications of the T51 Threaded Series Button Bits**



1. T51 threaded drill flat button bit.
2. T51 threaded drill drop center button bit.
3. T51 threaded drill retract button bit.
4. T51 threaded drill drop center retract button bit.



## Technical Information of the Drill Button Bit

- **Connection thread:** T51
- **Head material:** Tungsten carbide
- **Bit body material:** High-strength alloy steel
- **Chip removal grooves:** Distributed along the bit for chip removal and cooling
- **Head design:** Spherical button shape
- **Diameter:** 89 mm
- **Edge button angles:** 35 degree and 40 degree
- **Edge buttons:** 8×12 mm and 9×12 mm
- **Center buttons:** 6×11 mm and 7×11 mm
- **Weight:** Ranges from 3.8 kg to 5.3 kg
- **Head manufacturing process:** Hot-pressing inlay technology
- **Other manufacturing processes:** Full carburizing heat treatment, high-frequency treatment, and phosphating process

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 12 mm	6 x 11 mm	35 degree	T51	B173-8915-7805	5.3
Button, drop center 	89	3 1/2	8 x 12 mm	6 x 11 mm	35 degree	T51	B175-8914-7805	4.8
Button, flat, retrac 	89	3 1/2	9 x 12 mm	6 x 11 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)
								
Button, drop center, retrac 	89	3 1/2	8 x 12 mm	6 x 11 mm	35 degree	T51	B176-8914-7805	4.0
	89	3 1/2	8 x 12 mm	7 x 11 mm	40 degree	T51	B176-8915-7804	3.8