ST68 threaded button bit for underground mining drilling

All drill bits are designed using 3D computer-aided design and engineering technology, and are precision-machined using CNC equipment and subjected to multiple heat treatments.

ST68 Button Bit Overview

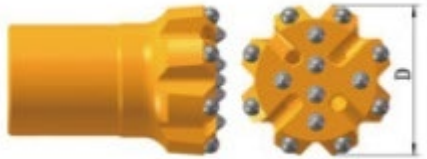
ST usually stands for “super taper” or indicates a heavy-duty thread, while 68 refers to its large-size connection. The ST68 button bit can reliably transmit the substantial impact energy and torque generated by drilling rigs to the rock.

Specifications of the ST68 Button Bit

- ST68 threaded drill flat button bit.
- ST68 threaded drill retract button bit.

Technical Parameters of the ST68 Threaded Button Bit

- **Connection thread:** ST68
- **Head material:** Tungsten carbide
- **Bit body material:** High-strength alloy steel
- **Flushing grooves:** Distributed along the bit head for chip removal and cooling
- **Head design:** Ballistic button shape
- **Diameter:** 102 mm and 115 mm
- **Gauge button angle:** 35 degrees
- **Gauge buttons:** 8 x 13 mm, 8 x 14 mm, and 10 x 12 mm
- **Front buttons:** 6 x 13 mm and 8 x 12 mm
- **Weight:** Ranges from 5.5 kg to 7.0 kg
- **Head manufacturing process:** Hot-melt inlay technology
- **Other manufacturing processes:** Full carburization 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 	102	4	8 x 13 mm	6 x 13 mm	35 degree	ST68	B173-0214-2B05	5.5
	115	4 1/2	8 x 14 mm	6 x 13 mm	35 degree	ST68	B173-1514-2B05	5.8
Button, drop center, retrac 	102	4	8 x 13 mm	6 x 13 mm	35 degree	ST68	B174-0214-2B05	5.5
	115	4 1/2	10 x 12 mm	8 x 12 mm	35 degree	ST68	B174-1518-2B05	7.0