



451/

SETS



451-PB-1

451-MB-1

- High-speed steel drill for drilling in bronze, brass, carbon steel, cast iron, alloy steel and stainless steel
- Rolled flute
- Manufactured to DIN 338
- 451-PB-1 contains 6 drills from 2.0 to 8.0 mm x 1.0 mm (excl. 7.0 mm) in a plastic cassette
- 451-PB-2 contains 13 drills from 2.0 to 8.0 mm x 0.5 mm in a plastic cassette
- 451-MB-1 contains 13 drills from 1.0 to 7.0 mm x 0.5 mm in a metal case
- 451-MB-2 contains 19 drills from 1.0 to 10.0 mm x 0.5 mm in a metal case
- 451-MB-3 contains 25 drills from 1.0 to 13.0 mm x 0.5 mm in a metal case

	 731151		 g
451-PB-1	8007034	1	100
451-PB-2	8007041	1	150
451-MB-1	8026141	1	290
451-MB-2	8026158	1	785
451-MB-3	8026165	1	1420

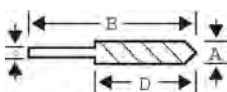
451-PB-1 2, 3, 4, 5, 6, 8 mm x 1.0 mm	
451-PB-2 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8 mm x 0.5 mm	
451-MB-1 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7 mm x 0.5 mm	
451-MB-2 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10 mm x 0.5 mm	
451-MB-3 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13 mm x 0.5 mm	

STEP DRILLS



228-SD

STEP DRILL BIT



- For making holes in thin metal sheets
- Titanium-nitride coated step drill with a surface hardness that makes the tool last 4 to 5 times longer than ordinary step drill bits. That same surface reduces friction, resulting in a tool that runs cooler and, in effect, self-lubricates whilst running dry
- Drills holes from 4 to 12 mm in 1 mm increments
- Shank 1/4" (6 mm)

	 731151		A mm	B mm	C mm	D mm	 g
228-SD	8277048	24	4-12 / 1	76	1/4"	40	70