



Diamond Tile Bit Crown for NDS 68

The tile and natural stone professional
Specially-developed diamond wet bit crown for precise and chip-free drilling of anchor holes and breakthroughs in the hardest tiles and natural stones for e.g. sinks, toilets, radiators, countertops, cables, stairs, facades, window sills, built-in halogen lights etc.

Applications

Material	Suitability	
Natural stone		
Travertine	++	
Slate	++	
Sandstone	+	
Porphyry	++	
Marble	++	
Limestone	++	
Granite (soft)	++	
Granite (hard)	++	
Gneiss	++	
Basalt	++	
Terrazzo	++	
Fireproof	Fireclay bricks	+
Ceramic	Tiles	++
	Cotto plates	++
	Fine earthenware	++
	Frankfurt pantiles	++
	Pantiles, glazed	++
	Tiles, glazed	++
	Vitrified-clay pipes	+
	Clinker bricks (hard)	++
	Clinker bricks (soft)	++
	Paving clinkers	++
	Clay tiles (hard)/poroton	++
	Clay tiles (soft)/poroton	++

Product range

Dia. in mm	Segment height in mm	Drilling depth in mm	Art. No.	P. Qty.	
4 *	6	25	0651 687 040	1	
5 *		30	0651 687 050		
6		40	0651 687 060		
8			0651 687 080		
10			0651 687 100		
12			0651 687 120		
14	0651 687 140				
16	0651 687 160				
18	0651 687 180				
20	0651 687 200				
24	9		30		0651 687 240
26					0651 687 260
28					0651 687 280
32					0651 687 320
35					0651 687 350
40					0651 687 400
45					0651 687 450
51					0651 687 510
60					0651 687 600
68					0651 687 680

* Attention: Use only with drilling aid Art. No. 0702 419 002!

++ Highly suitable + Suitable

Notes on use

Speed table (general) as per drilling diameter

Dia. in mm	Speed r.p.m.	Adj. wheel NDS 68	Dia. in mm	Speed r.p.m.	Adj. wheel NDS 68
4-10	10,000	6	28-40	5,800	3
12-18	8,600	5	45-50	4,400	2
20-26	7,200	4	51-68	3,000	1

Speed table (recommended) special as per use

Dia. in mm	Adjusting wheel NDS 68			
	Ceramic	Fine earthenware	Granite	Marble
4	5	6	6	6
5	5	5	6	6
6	5	5	5	6
8	5	5	5	6
10	5	5	5	6
12	4	4	5	5
14	4	4	4	5
16	4	4	4	5
18	4	4	4	5
20	3	3	4	4
24	3	3	4	4
26	3	3	3	4
28	3	3	3	4
32	3	3	3	4
35	2	2	3	3
40	2	2	2	3
45	2	2	2	2
51	2	2	2	2
60	2	2	2	2
68	2	2	2	2

Work procedure (quick guide)

1. If possible, secure work-piece on e.g. a wood surface to prevent damage to the crown.
2. Mark drill hole.
3. Mount drill crown. Locking screw must grip in crown recess.
4. Always work with PRCD safety switch.
5. Connect water container.
6. Set speed as per speed table.
7. Open cold-water valve. A minimal water flow is sufficient.
8. When drilling with drilling aid, start straight.
- 9.1. When drilling without a drilling aid, start at an angle (max. 5°).
- 9.2. Do not exceed a 5° angle.
10. Before pulling out the drill crown, switch off the machine and close the water valve.
11. Remove drill core with screwdriver if necessary.

- Work with minimal contact pressure.
- Do not use the machine forcefully; allow the bit crown to do the work.
- **Do not drill dry!** Ensure continuous and even water supply.
- While drilling, use specified protective equipment (e.g. safety goggles etc.).