



TC402 Wet and Dry Tile Core Drill

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Internal & Confidential

AGP | TC402 Tile Core Drill

AGP TAIWAN

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Introduction

Target group & Applications

TC402 Introduction

This is a 650 W tile core drill for drilling up to 40 mm in tiles of various materials. The 2-speed gearbox allows a wider range of diameters to be efficiently drilled. It comes standard with a suction centering guide which allows precise positioning of the hole and also acts as a vacuum port and a water drain.

Its water feed can be achieved either by external supply, or by the pressurized water tank. The quick release spindle system allows for easy clearing of the cores. Both 1/2" BSP (G 1/2") and M14 spindle adaptors come standard with the tool.



Target Groups and Applications

This tool is primarily intended for tile contractors, stone fabricators / installers, hard landscapers, and general contractors. A common problem with tiles is that they crack easily when drilled. This tool solves this problem. It is perfect for a range of tile materials such as ceramics, stoneware, natural stone like granite and marble, synthetic stone, mosaic glass, etc. without any cracks or breaks in the material.



Sales Arguments



Suction Centering Guide
This standard equipment device attaches to the workpiece by suction cup, and the rollers guide the core bit for accurate hole placement. It can connect to a vacuum for dry drilling, and also has a drain tube for wet drilling slurry.



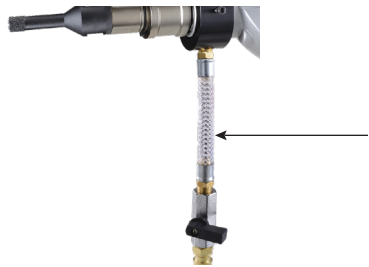
Quick-Release Coupling System
The quick-release collar and bit adapters allow quick and easy clearing of the cores which tend to stick in the bit after drilling. The tool comes standard with both G 1/2" BSP and M14 bit adapters.



Optional Pressurized Water Tank
The water tank allows autonomous water supply. The flow regulator enables control and fine tuning of the water.



Ergonomic Main Handle
The shape of the main handle allows the operator to naturally hold the tool straight, for best work results.



Optional Water Supply Kit
The water supply kit allows wet drilling when there is an external supply of water



Two-Speed Gearbox
The two mechanical gear ratios allow optimum speed and torque with a wide range of diameters.

Technical Specification

Technical Specification

Model	TC402	
Power Input	650 W	
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load (Rated Load) Speeds	Gear 1	4500 / (2700) min ⁻¹
	Gear 2	7500 / (4500) min ⁻¹
Capacity	40 mm (1-9/16")	
Adapter Thread	G 1/2" (BSP), M14-2.0	
Insulation Class	Class II with PRCD / GFCI	
Neck Diameter	43 mm	
Dimensions (LxWxH)	348 x 100 x 300 mm	
Weight	2.5 kg (5.5 lb)	



- ① Motor
- ② Main Handle
- ③ Gear Selector
- ④ Quick-Release Collar
- ⑤ Quick-Release Bit Adapter
- ⑥ Flow Regulator
- ⑦ Pressurized Water Tank
- ⑧ Hand Pump
- ⑨ Suction Centering Guide
- ⑩ Collar
- ⑪ Side Handle
- ⑫ Water Supply Kit

Offer Content

Standard Accessories

- 1 TC402 Wet and Dry Tile Core Drill
- 2 Suction Centering Guide
- 3 Water Feed Collar
- 4 Side Handle
- 5 Quick-Release Bit Adapter, G 1/2" BSP
- 6 Quick-Release Bit Adapter, M14
- 7 Inline PRCD Interrupter
- 8 M22 Wrench
- 9 M27 Wrench
- 10 Blow Molded Case




Optional Accessory

- 11 Pressurized Water Tank Kit (850 ml)
- 12 Water Supply Kit



Comparison Table

Brand				
Tile Core Drill				
Model	TC402	BDB 802B	BDB 802	END712P
Power Input	650 W	800 W	800 W	700 W
Capacity	40 mm	40 mm	40 mm	18 mm
No Load (Rated Load) Speeds	Gear 1: 4500 (2700) /min Gear 2: 7500 (4500) /min	Gear 1: 4200 (2520) /min Gear 2: 7500 (4500) /min	Gear 1: 4200 (2520) /min Gear 2: 7500 (4500) /min	0-11,000 (0-6600) /min n/a
Adapter Thread	1/2" BSP & M14	1/2" BSP	1/2" BSP	M12
Quick-Release Arbor	yes	yes	yes	no
Weight	2.5 kg 	3.5 kg	4 kg	2.6 kg
Suction Centering Guide	standard 	optional	optional	optional
Water Feed	optional	yes	optional	yes
Water Tank	optional	optional	yes	no
Vacuum Connection	yes 	no	no	optional
Carry Case	yes	yes	yes	yes
Side Handle	standard 	no	no	yes
Street Price, Europe w/o tax		799,25 €	769,36 €	301,50 €

Conclusion The **AGP** is the only drill which works equally well with dry bits, which are becoming more and more popular in the market. The **AGP** matches the performance of the Baier while being much lighter and has more complete standard options. The **AGP** suction centering guide is superior with a vacuum port. The **AGP** can also use M14 bits, which are the most popular size in the market. The Eibenstock has much too high rpm for large bits and their optional centering guide does not have rollers or vacuum attachment. The Eibenstock also does not have quick-release bits and the thread is an unpopular size (M12). The **AGP** is the lightest in weight and is the most versatile to meet a much better range of needs.

Tool Dimensions (mm)

