



TC20 & TC40 Wet and Dry Tile Core Drills

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Internal & Confidential

AGP | TC20 & TC40 Tile Core Drill

AGP TAIWAN

Lee Yeong Industrial Co., Ltd.

No.2, Kejia Rd., Douliu City, 64057, Taiwan

Tel : 886-5-5518689 Fax : 886-5-5518635

AGP EUROPE BV

Evenbroekveld 16D, 9420 Erpe-Mere, Belgium

Tel : +32 53 21 62 22 Fax : +32 53 83 88 20

Introduction

Target group & Applications

TC20 & TC40 Introduction

These are 650 W tile core drill machines for drilling in tiles of various materials. The TC20 is optimized for small diameters up to 20 mm, while the TC40 is designed for larger diameters up to 40 mm. They come standard with a suction centering guide which allows precise positioning of the hole and also acts as a vacuum port and a water drain.

Their 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 tools.



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.



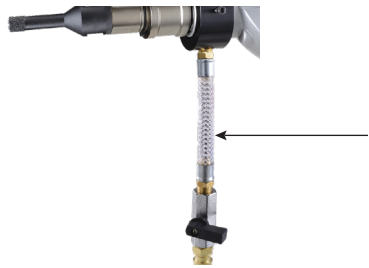
Optional Pressurized Water Tank

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

Technical Specification

Model	TC20	TC40
Power Input	650 W	
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load (Rated Load) Speeds	7500 / (4500) min ⁻¹	4500 / (2700) min ⁻¹
Capacity	20 mm (13/16")	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 Quick-Release Bit Adapter
- 2 Quick-Release Collar
- 3 Flow Regulator
- 4 Pressurized Water Tank
- 5 Hand Pump
- 6 Main Handle
- 7 Motor
- 8 Suction Centering Guide
- 9 Collar
- 10 Side Handle
- 11 Water Supply Kit



Offer Content

Standard Accessories

- 1 TC20 / TC40 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	TC20	TC40	BDB 802B	BDB 802	END712P		
Power Input	650 W	650 W	800 W	800 W	700 W		
Capacity	20 mm	40 mm	40 mm	40 mm	18 mm		
No Load (Rated Load) Speeds	7500 (4500) /min	4500 (2700) /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		
Adapter Thread	1/2" BSP & M14	1/2" BSP & M14	1/2" BSP	1/2" BSP	M12		
Quick-Release Arbor	yes	yes	yes	yes	no		
Weight	2.3 kg 	2.3 kg 	3.5 kg	4 kg	2.6 kg		
Suction Centering Guide	standard 	standard 	optional	optional	optional		
Water Feed	optional	optional	yes	optional	yes		
Water Tank	optional	optional	optional	yes	no		
Vacuum Connection	yes 	yes 	no	no	optional		
Carry Case	yes	yes	yes	yes	yes		
Side Handle	standard 	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** 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)

