



# DM51D Dry Diamond Core Drill Motor

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Internal & Confidential

**AGP** | DM51D Dry Diamond Core Drill Motor

## AGP TAIWAN

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# Introduction

## Target group & Applications

### DM51D Introduction

The DM51D is optimized for dry core drilling on masonry materials up to 102 mm. It is a rugged and simple 1800 W, single-speed dry drilling motor featuring soft percussion and mechanical clutch. It features full electronic motor management with soft start, overload and thermal protection.

### Target Group & Applications

The DM51D is suitable for a wide range of general dry core drilling tasks in brick and other similar materials. This will be a useful addition to the equipment of general construction companies, hard landscapers, plumbers, electricians, installers, or anyone who needs a dry drill motor for masonry materials.



# Sales Arguments



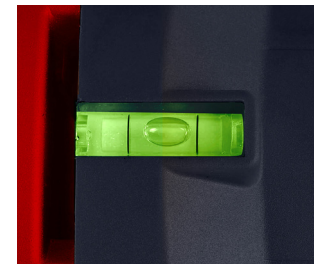
## 1 Switchable Soft Percussion

keeps the diamond segments sharp for more efficient dry drilling. Can be turned off when not needed.



## 2 Side Handle

is inline with the spindle for best control.



## 3 Tubular Spirit Level

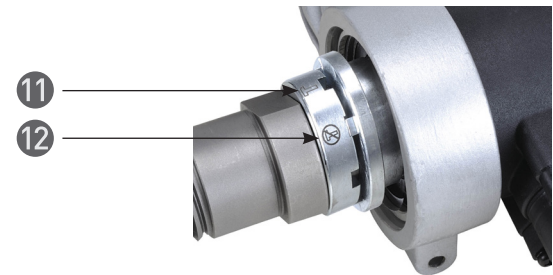
ensures accurate drilling angle.

# Technical Specification

Model	DM51D
Power Input	1800 W
Voltage	110-120 V~ 50-60 Hz or 220-240 V~ 50-60 Hz
No Load (Rated Load) Speed	3600 (2160) min <sup>-1</sup>
No Load (Rated Load) Percussion Frequency	56,000 (36,400) b/min
Arbor Thread	½" BSP female
Capacity-Dry	102 mm (4")
Dimensions (mm)	450 x 90 x 210 mm
Neck Diameter	60 mm
Net Weight	4.6 kg



- 1 Side Handle
- 2 Lock Screw (Side Handle)
- 3 Tubular Spirit Level
- 4 Trigger Switch
- 5 Lock Button
- 6 Spindle
- 7 Percussion Selector
- 8 Motor
- 9 Power Supply Cable
- 10 Main Handle
- 11 Hammer Symbol (Percussion On)
- 12 No Hammer Symbol (Percussion Off)



# Offer Content

## Standard Accessories

- ① DM51D Dry Diamond Core Drill Motor
- ② Side Handle

## Optional Accessory

- ③ Soft-Grip Side Handle
- ④ Vacuum Collector Pad Set, Small (up to 75 mm)
- ⑤ 5 Vacuum Collector Pad Set, Large (up to 130 mm)





# Comparison Table

Brand

**AGP**

**BAIER**  
Elektro-  
werkzeuge

**EIBENSTOCK**

**EIBENSTOCK**

**WEKA**  
ELEKTROWERKZEUGE

Dry Drilling up to 100 mm



Model	DM51D		BDB 822 A		ESD 1801		EHD 1500		DK116
Power	220-240 V: 1800 W		220-240 V: 1800 W		220-240 V: 1800 W		220-240 V: 1500 W		220-240 V: 1600 W
RPM (rated load)	2160 /min		1800 /min		0 - 2050 /min		0 - 2000 /min		1500 /min
Percussion Frequency	56 000 bpm		36 000 bpm		41 000 bpm		N/A		N/A
Capacity-dry	102 mm	👍	40 - 90 mm		90 mm		82 mm		82 mm
Spindle	½" BSP		M18-2.5		M18-2.5		M18-2.5		M16
LED Load Indicator	No		Yes		No		Yes		No
Switchable Percussion	Yes	👍	Yes		Yes		No		No
Variable Speed Switch	No		No		Yes		Yes		No
Side Handle	inline to spindle	👍	fixed		offset		offset		inline to spindle
Soft-Grip Side Handle	(optional)		No		No		No		No
Built-in Level	Yes	👍	Yes		No		No		Yes
Blowcase	Yes		Yes		Yes		Yes		Yes
Dust Collector	(optional) external vacuum collector pads		(optional) bell-type dust extractor		(optional) for M16 thread, short socket bits with banana slot vents only		(optional) for M16 thread, short socket bits with banana slot vents only		(standard) for M16 thread, short socket bits with banana slot vents only
Centering Aid	Masonry drill bit		spring-loaded centering pilot		Masonry drill bit		Masonry drill bit		Built-in integrated spring-loaded centering pilot
Weight	4.6 kg		5.0 kg		5.9 kg		3.9 kg		5.0 kg
Street Price,Europe w/o tax	N/A		546,21 €, bare tool in case		361,51 €, bare tool in case		276,47 €, bare tool in case		969,78 €, including, dust extractor w/ centering pilot & case
Conclusion	The <b>AGP</b> brings the power, percussion, ideal rpm, and level, to allow optimal drilling. The <b>AGP</b> external vacuum collector pads allow dust collection with any type of dry core bits.								

# Tool Dimensions (mm)

