

AGP®



DM51P Dry Diamond Core Drill Motor

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Internal & Confidential

AGP | DM51P Dry Diamond Core Drill Motor

AGP TAIWAN

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Introduction

Target group & Applications

DM51P Introduction

The DM51P 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 DM51P 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



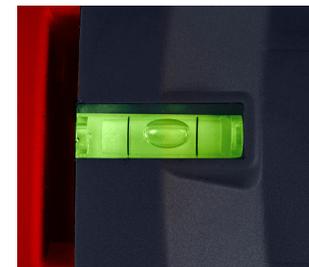
1 Switchable Soft Percussion

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

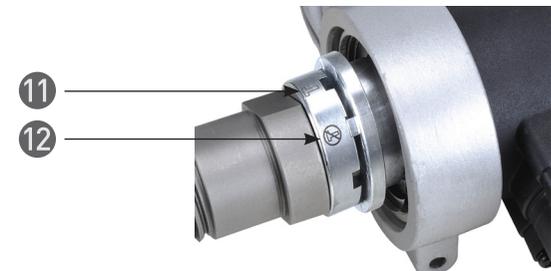
ensures accurate drilling angle.

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 ⁻¹
No Load (Rated Load) Percussion Frequency	56,000 (36,400) b/min
Arbor Thread	½" BSP female
Capacity-Dry	102 mm (4")
Dimensions (mm)	390 x 90 x 280 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 DM51P 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



Dry Drilling up to 100 mm

Model	DM51P	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 **AGP** brings the power, percussion, ideal rpm, and level, to allow optimal drilling. The **AGP** external vacuum collector pads allow dust collection with any type of dry core bits.

Tool Dimensions (mm)

