



DM2 Wet Drilling Motor for Small Diameters

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Internal & Confidential

AGP | DM2 Wet Drilling Motor

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Introduction

Target group & Applications

DM2 Introduction

This is an 1800 W high-speed core drilling motor with single-speed gearbox with clutch which is primarily for wet drilling from 10 mm up to 50 mm in reinforced concrete. It is specially designed for small diameters, having extremely high rotational speed. It includes a spirit level for accurate horizontal drilling. It can be used either hand-held or mounted to a drill stand.

Target Groups and Applications

This tool is optimized for core drilling in small diameters, such as for construction companies, specialists, or anyone who needs to drill very deep, small diameters in reinforced concrete. It will be most suited for a specific task, which is to drill holes for chemical anchors and dowels in reinforced concrete. Being a diamond core drill, it performs much better than a rotary hammer in this role, handling rebar much better, and creating cleaner, more accurate holes. It also is significantly more quiet than a rotary hammer.

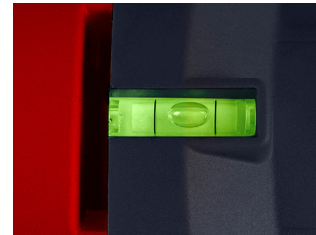


Sales Arguments



Heavy-Duty Gearbox

High-speed gearbox with mechanical clutch for heavy-duty use.



Spirit Level

Horizontal Spirit Level allows operators to create precisely aligned holes



Ergonomic Main Handle

The handle makes it easy to hold the tool straight and the flat tail cover enables the operator's shoulder to give additional downforce.



Inline Side Handle

The side handle is inline with the spindle centerline for best control

Technical Specifications

Technical Specification

Model	DM2
Power Input	1800 W
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load (Rated Load) Speed	6500 (4225) min ⁻¹
Capacity-Wet	50 mm (2")
Spindle Thread	1/2" BSP Female
Soft Start & Overload Protection	With
Mechanical Safety Clutch	With
Neck Diameter	60 mm
Insulation Class	Class II with PRCD / GFCI
Dimensions (LxWxH)	360 x 90 x 280 mm
Weight	4.5 kg (9.9 lb)

- ① Motor
- ② 2 Horizontal Spirit Level
- ③ Gearbox
- ④ Side Handle
- ⑤ Spindle, 1/2" BSP female
- ⑥ Water Supply Kit
- ⑦ Lock-On Trigger Switch
- ⑧ Main Handle

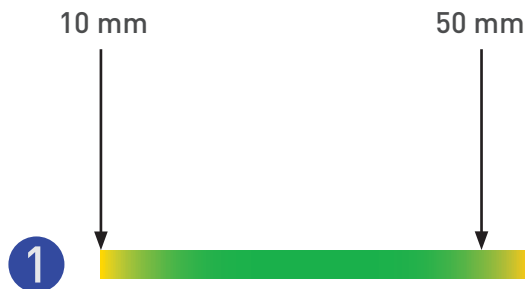


Ideal Operating Window



Wet Drilling in Reinforced Concrete

Drill Ø



Offer Content

Standard Accessories















- ① DM2 Wet Drilling Motor
- ② Side Handle
- ③ Water Supply Kit
- ④ Inline PRCD Interrupter
- ⑤ Blow Molded Case

Optional Accessory

- ⑥ Soft-Grip Side Handle



Comparison Table

Brand						
Small Ø Wet Drilling						
Model	DM2	DK11	END 1550 P	BDB 803	T1800 20-MU-EL	DD 30-W
Power Input	230 V: 1800 W	230 V: 1600 W	230 V: 1500 W	230 V: 2000 W	230 V: 1800 W	230 V: 1450 W
No Load (Rated Load) Speed	6500 (4225) /min	10 000 (6500) /min	(1800-4400) /min	7000 (4550) /min	5130 (3600) /min	8700 (5655) /min
Capacity-Wet	10-50 mm 	15-30 mm	6 - 68 mm	10 - 50 mm	10 - 20 mm	8-35 mm
Spindle	1/2" BSP	M33 / 3	1/2" BSP	1/2" BSP	1-1/4" & 1/2" BSP	C+
Spirit Level	yes 	yes	no	yes	no	
Centering Aid	no	optional	optional	no	optional	Integrated centering aid
Weight	4.5 kg	5.5 kg	3.6 kg	4.6 kg	5 kg	7.6 kg
Street Price, w/o Tax		975.50 €	380.95 €	824.99 €	679.00 €	3,675.02 €
Remarks				LED load indicator		Integrated centering aid
Conclusion	These tools are a special category of coring motor which has somewhat of an overlap with tools like a rotary hammer. The main advantage of using a diamond core drill for small holes is that they have no trouble coping with rebar, while a rotary hammer performs poorly in such scenarios (and they are also very noisy). These tools are most often applied for installing chemical anchors in reinforced concrete, which require very deep, small diameter holes. The AGP is light, develops excellent power, and works well in diameters up to 50 mm.					

Tool Dimensions (mm)

