



DM62

Diamond Core Drilling Motor

For Dry Drilling of Reinforced Concrete

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Internal & Confidential

AGP | DM62 Dry Drilling Motor

AGP TAIWAN

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Introduction, Target groups & Applications

DM62 Introduction

- **Dry Drilling of Reinforced Concrete up to 162 mm**

While dry drilling of brick is very common, dry drilling of RC is a relatively new technology made possible by special core bits now available. This machine is purpose-built to take full advantage of these new bits. It can also be used in soft materials such as brick up to 250 mm.

- **Soft Percussion**

The special heavy-duty percussion mechanism is optimized for dry drilling of reinforced concrete.

- **2200 W Motor**

The high-efficiency motor features thermal and overload protection, as well as a useful LED load warning system.

- **2-Speed Gearbox**

The robust oil-bath gearbox with mechanical clutch ensures long service life and a wide range of drilling diameters.

- **All-Metal Construction**

The aluminum motor housing ensures effective cooling and durability under intensive use conditions.

- **Pistol-Handle**

The pistol grip type main handle gives the operator better leverage and a superior holding position, allowing the operator to push with the shoulder to add downforce.

Target Groups and Applications

- **Hollow-Core Slabs**

This tool is the ultimate solution for drilling prestressed hollow-core slabs, where wet drilling would cause problems, and where traditional dry drilling motors, which are made for drilling brick, are not effective.

- **Avoiding the Problems of Wet Drilling**

This tool is an excellent choice for drilling in any situations where water cannot be used, such as in occupied buildings or in constructions where there is a combination of wood and stone. Dry drilling allows faster setup and less cleanup, saving valuable time.

- **Overhead Drilling**

Overhead drilling with this machine is much lighter, less messy, more convenient, and just as precise when compared to wet drilling.

- **Target Groups**

This tool is a useful addition to the equipment of specialist drilling companies, general construction companies, HVAC installers, industrial electricians or anyone who needs an intensive-use dry drill motor for both reinforced concrete and brick.



Sales Arguments



Switchable Soft Percussion

Keeps diamond segments sharp and assists the general efficiency of the dry drilling process.



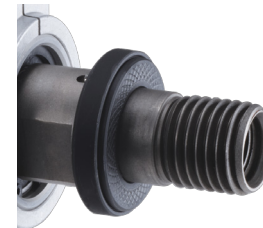
Heavy-Duty Gearbox

Oil bath, 2-speed gearbox with mechanical clutch for heavy-duty use.



LED Load Indicator

LED load indicator to give the operator reliable guidance on load conditions.



Anti-Seize Ring

Standard equipment anti-seize ring prevents the bit from becoming stuck on the spindle.



Special Dustproof Switch

Hall Effect Switch is completely dustproof, and is even waterproof. Includes anti-restart function.



Spirit Levels

Vertical and horizontal Spirit Levels allow operators to create precisely aligned holes

Technical Specification

Technical Specification

Model	DM62
Power Input	230 - 240 V: 2200 W
	220 V : 2000 W
	110 - 120 V: 1700 W
Voltage, Frequency	110-120 V~ 50-60 Hz _{or} 230-240 V~ 50-60 Hz
No Load Speeds	1250 / 1900 min ⁻¹
Rated Load Speeds	750 / 1140 min ⁻¹
Percussion Frequency, No Load	25 000 / 38 000 b/min
Percussion Frequency, Rated Load	16 250 / 24 700 b/min
Capacity-Dry (Reinforced Concrete)	162 mm (6-1/2")
Capacity-Dry (Brick)	250 mm (10")
Gear Oil Type	80W-90
Gear Oil Capacity	200 ml
Arbor Thread	1 1/4" UNC & 1/2" BSP
Neck Diameter	60 mm
Dimensions (LxWxH)	430 x 122 x 290 mm
Weight	6.3 kg (13.6 lb)

- 1

Spindle 1-1/4"UNC & 1/2"BSP
- 2

Gear Selector
- 3

Percussion Selector
- 4

Tubular Spirit Level
- 5

Main Handle
- 6

Hall Effect Switch
- 7

Side Handle Assy
- 8

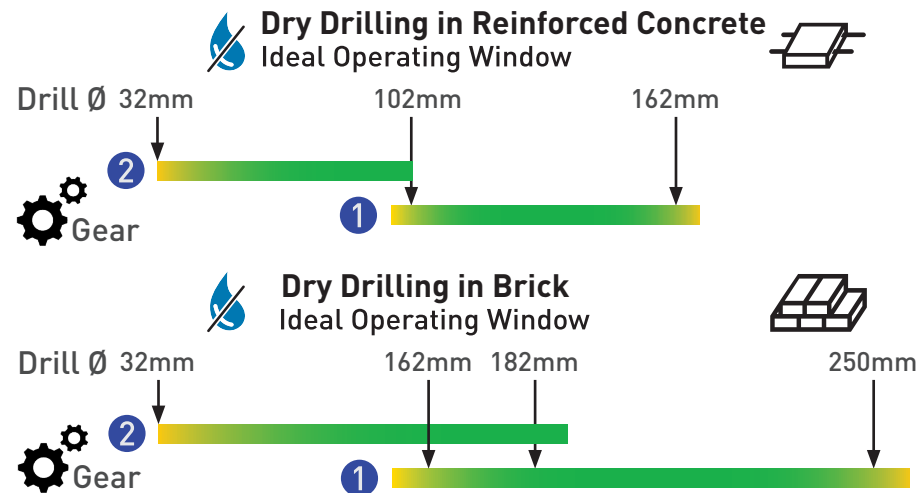
Anti-Seize Ring
- 9

LED Load Indicator
- 10

Lock Button



 Gear 1 must always use a drill stand.



Offer Content

Standard Accessories

- ① DM62 Dry Drilling Motor
- ② Soft Grip Side Handle
- ③ M32 Wrench
- ④ Blow Molded Case

Optional Accessories

- ⑤ L 300 mm Centering Pilot



Comparison Table

Brand

Special Dry Drilling of
Reinforced Concrete
with Percussion

AGP®



WEKA
ELEKTROWERKZEUGE



WEKA
ELEKTROWERKZEUGE



BAIER
Elektro-
werkzeuge



BAIER
Elektro-
werkzeuge



CARDI



EIBENSTOCK
Elektrowerkzeuge



GÖLZ
HAARANTWERTWERKZEUGE & BAUHAARTE



Model No.	DM62		DKS 15P	DKS 15L (aluminum version)	BDB 829	BDB 825	DP 2200 MA-16	ESD 162	FBS16
Power	230-240 V: 2200 W		230 V: 2000 W	230 V: 2000 W	230 V: 2150 W	230 V: 1800 W	230 V: 2200 W	230 V: 2200 W	230 V: 2200 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min		Gear 1: 700 /min Gear 2: 1700 /min	Gear 1: 540 /min Gear 2: 1200 /min	Gear 1: 725 /min Gear 2: 1500 /min	748 /min	880 /min	0-1100 /min	1100 /min
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm		Gear 1: 14 000 bpm Gear 2: 34 000 bpm	Gear 1: 10 800 bpm Gear 2: 24 000 bpm	Gear 1: 14 500 bpm Gear 2: 30 000 bpm	18 000 bpm	21 000 bpm	22 000 bpm	22 000 bpm
Insulation Class	Class 2		Class 1	Class 1	Class 2	Class 2	Class 2	Class 1	Class 1
Capacity-Dry, Reinforced Concrete	162 mm		150 mm	180 mm	200 mm	160 mm	152 mm	162 mm (202 mm max.)	162 mm
Capacity-Dry, Brick	250 mm	👍	180 mm	200 mm	250 mm	200 mm	202 mm	202 mm	202 mm
Spindle	1-1/4" UNC & 1/2" BSP		1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP
Led indicator	Yes	👍	No	No	Yes (on left side of handle)	Yes (on left side of handle)	No	Yes (on left side of handle)	Yes (on left side of handle)
Anti-Seize Ring	Yes	👍	No	No	No	No	Optional	Optional	No
Integrated Dust Collection	Yes	👍	No (external)	No (external)	No (external)	No (external)	Yes	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/ Waterproof	👍	Standard Type	Standard Type	Standard Type	Standard Type	Standard Type	Standard Type, Variable	Standard Type
Locking Gear Lever	Yes	👍	No	No	No	No	No	No	No

Comparison Table

Brand

AGP

WEKA
ELEKTROWERKZEUGE

WEKA
ELEKTROWERKZEUGE

BAIER
Elektro-
werkzeuge

BAIER
Elektro-
werkzeuge

CARDI

EIBENSTOCK
Elektrowerkzeuge

GÖLZ
ELEKTROWERKZEUGE & BAUMATERIAL

Special Dry Drilling of
Reinforced Concrete
with Percussion













Model No.	DM62		DKS 15P	DKS 15L (aluminum version)	BDB 829	BDB 825	DP 2200 MA-16	ESD 162	FBS16
Levels	Yes		Yes	Yes	Yes	Yes	No	Yes	Yes
Soft-Grip Rubber Handle	Yes	👍	Yes	Yes	No (hard plastic)	No (hard plastic)	No	No (hard plastic)	No (hard plastic)
In-line Side Handle	Yes	👍	Yes	Yes	No (fixed)	No (fixed)	No (offset)	No (offset)	No (offset)
Centering Aid	Optional		Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weight	6.3 kg (with anti-seize ring)		5.8 kg	6.4 kg	6.6 kg	5.2 kg	7.1 kg	6.6 kg	6.7 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum		Aluminum / Plastic	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic
Gearbox Lubrication	Oil Bath	👍	Oil Bath	Oil Bath	Grease	Grease	Grease	Grease	Grease
Street Price (Germany, w/o tax)			€ 975,00	€ 1056,00	€ 949,54	€ 725,21	€ 990,00	€ 771,76	€ 961,00
Internet sourced info									
Remarks			No LED load indicator.	No LED load indicator.	Fixed handle.	Fixed handle.	Single gear limits size versatility (only good for larger Øs)	Single gear limits size versatility (performance suffers with both larger & smaller Øs)	Single gear limits size versatility (performance suffers with both larger & smaller Øs)
Conclusion	The AGP offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.								

Comparison Table

Brand

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DM62		BDB 829	BDB 825
Power	230 - 240 V: 2200 W 		230 V: 2150 W	230 V: 1800 W
RPM (rated load)	Gear 1: 750 /min	Gear 2: 1140 /min	Gear 1: 725 /min Gear 2: 1500 /min	748 /min (only one gear)
Percussion Frequency (rated load)	Gear 1: 16 250 bpm	Gear 2: 24 700 bpm	Gear 1: 14 500 bpm Gear 2: 30 000 bpm	18 000 bpm
Insulation Class	Class 2		Class 2	Class 2
Capacity-Dry, Reinforced Concrete	162 mm		200 mm	160 mm
Capacity-Dry, Brick	250 mm 		250 mm	200 mm
Spindle	1-1/4" UNC & 1/2" BSP		1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP
Led Indicator	Yes (in most visible position)		Yes (on left side of handle)	Yes (on left side of handle)
Anti-Seize Ring	Yes 		No	No
Integrated Dust Collection	Yes 		No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof 		Standard Type	Standard Type
Locking Gear Lever	Yes 		No	No
Levels	Yes		Yes	Yes
Soft-Grip Rubber Handle	Yes 		No (hard plastic)	No (hard plastic)
In-line Side Handle	Yes 		No (fixed) (not adjustable)	No (fixed) (not adjustable)
Centering Aid	Optional		Optional	Optional
Weight	6.3 kg (with anti-seize ring) 		6.6 kg	5.2 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum		Aluminum / Plastic	Aluminum / Plastic
Gearbox Lubrication	Oil Bath 		Grease	Grease
Street Price (Germany, w/o tax) Internet sourced info			€ 949,54	€ 725,21
Remarks			Fixed handle.	Fixed handle.

Conclusion

The **AGP** offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.








AGP | DM62 Dry Drilling Motor

Comparison Table

Brand

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DM62	DKS 15P	DKS 15L (aluminum version)
Power	230 - 240 V: 2200 W 	230 V: 2000 W	230 V: 2000 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	Gear 1: 700 /min Gear 2: 1700 /min	Gear 1: 540 /min Gear 2: 1200 /min
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	Gear 1: 14 000 bpm Gear 2: 34 000 bpm	Gear 1: 10 800 bpm Gear 2: 24 000 bpm
Insulation Class	Class 2	Class 1	Class 1
Capacity-Dry, Reinforced Concrete	162 mm	150 mm	180 mm
Capacity-Dry, Brick	250 mm 	180 mm	200 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP	1-1/4" UNC & 1/2" BSP
Led Indicator	Yes (in most visible position) 	No	No
Anti-Seize Ring	Yes 	No	No
Integrated Dust Collection	Yes 	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof 	Standard Type	Standard Type
Locking Gear Lever	Yes 	No	No
Levels	Yes	Yes	Yes
Soft-Grip Rubber Handle	Yes	Yes	Yes
In-line Side Handle	Yes	Yes	Yes
Centering Aid	Optional	Optional	Optional
Weight	6.3 kg (with anti-seize ring)	5.8 kg	6.4 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Aluminum
Gearbox Lubrication	Oil Bath	Oil Bath	Oil Bath
Street Price (Germany, w/o tax) Internet sourced info		€ 975,00	€ 1056,00
Remarks		No LED load indicator.	No LED load indicator.

Conclusion

The **AGP** offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.

Comparison Table

Brand



Special Dry Drilling of Reinforced Concrete with Percussion

Model No.	DM62	DP 2200 MA-16
Power	230 - 240 V: 2200 W	230 V: 2200 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	880 /min (Only One Gear)
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	21 000 bpm
Insulation Class	Class 2	Class 2
Capacity-Dry, Reinforced Concrete	162 mm	152 mm
Capacity-Dry, Brick	250 mm	202 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC
Led Indicator	Yes (in most visible position)	No
Anti-Seize Ring	Yes	Optional
Integrated Dust Collection	Yes	Yes
Switch Type	Hall-Effect Dustproof/Waterproof	Standard Type
Locking Gear Lever	Yes	No
Levels	Yes	No
Soft-Grip Rubber Handle	Yes	No
In-line Side Handle	Yes	No (offset)
Centering Aid	Optional	Optional
Weight	6.3 kg (with anti-seize ring)	7.1 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Aluminum
Gearbox Lubrication	Oil Bath	Grease
Street Price (Germany, w/o tax) Internet sourced info		€ 990,00
Remarks		Single gear limits size versatility (only good for larger Øs)

Conclusion

The **AGP** offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.

Comparison Table

Brand

Special Dry Drilling of Reinforced Concrete with Percussion



Model No.	DM62	ESD 162	FBS16
Power	230 - 240 V: 2200 W	230 V: 2200 W	230 V: 2200 W
RPM (rated load)	Gear 1: 750 /min Gear 2: 1140 /min	0-1100 /min (Only One Gear)	1100 /min (Only One Gear)
Percussion Frequency (rated load)	Gear 1: 16 250 bpm Gear 2: 24 700 bpm	22 000 bpm	22 000 bpm
Insulation Class	Class 2	Class 1	Class 1
Capacity-Dry, Reinforced Concrete	162 mm	162 mm (202 mm max.)	162 mm
Capacity-Dry, Brick	250 mm	202 mm	202 mm
Spindle	1-1/4" UNC & 1/2" BSP	1-1/4" UNC	1-1/4" UNC & 1/2" BSP
Led Indicator	Yes (in most visible position)	Yes (on left side of handle)	Yes (on left side of handle)
Anti-Seize Ring	Yes	Optional	No
Integrated Dust Collection	Yes	No (external)	No (external)
Switch Type	Hall-Effect Dustproof/Waterproof	Standard Type, Variable	Standard Type
Locking Gear Lever	Yes	No	No
Levels	Yes	Yes	Yes
Soft-Grip Rubber Handle	Yes	No (hard plastic)	No (hard plastic)
In-line Side Handle	Yes	No (offset)	No (offset)
Centering Aid	Optional	Optional	Optional
Weight	6.3 kg (with anti-seize ring)	6.6 kg	6.7 kg
Gearcase / Motor Housing Material	Aluminum / Aluminum	Aluminum / Plastic	Aluminum / Plastic
Gearbox Lubrication	Oil Bath	Grease	Grease
Street Price (Germany, w/o tax) Internet sourced info		€ 771,76	€ 961,00
Remarks		Single gear limits size versatility (performance suffers with both larger & smaller Øs)	Single gear limits size versatility (performance suffers with both larger & smaller Øs)
Conclusion	The AGP offers the best combination of features and performance to work in the widest range of sizes and includes useful touches, such as the LED load indicator, standard anti-seize ring, soft-grip handle and dustproof/waterproof switch. This gives the maximum value to the end user.		

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Tool Dimensions (mm)

