



**AGP**

**2022  
TAIWAN  
PRODUCT  
CATALOG**



### **Our History**

In 1989, AGP started as a 2-person family company producing small power tools for the Taiwanese market. With years of dedication and the constant expansion to new markets, we have grown to be an international organization with over 180 skilled employees which is currently distributing products on 6 continents. AGP Taiwan serves as the design and manufacturing center for global markets. We export over 60% of our products to European market. Since 2017, the sales and distribution of AGP products in the European market are organized by AGP Europe, located in Erpe Mere, Belgium.

### **Interesting Fact**

AGP comes from All Get Profit, as simple as it sounds, it symbolizes the values the founders of AGP keep, which are to be always mindful of all stakeholders within the entire business, including our suppliers and our customers.

### **BRAND VISION**

We Harness The Power of Technology, Enabling You to Achieve.

### **BRAND MISSION**

We Focus on Concrete Matters and Real Needs,  
Innovating Power Tools for The Toughest Demands.



### **R&D Capabilities**

With designers and engineers of unique backgrounds and a strategic R&D decision process, we transform new concepts into working power tools faster than most, providing advantages to our customers by greatly shortening the time frame to bring a new tool to market.

### **Consistent High Quality and Flexibility**

From in-house design and certified testing capabilities, to sourcing and production, we control each stage of the production process. This integration is key to maintaining consistent quality and maximum flexibility.

### **Responsive and Problem Solving**

Industry experience, creativity, and a dynamic team means we can be responsive to market needs. We listen to user suggestions to create products which are most suitable to their given market. We constantly seek out feedback from end users to find the best solutions to fit their needs.

### **Global Service**

AGP customers can receive their products quickly, safely and smoothly, thanks to the close collaboration with our distribution network in various countries. Find high quality power tools and receive any necessary service or repairs from our official distributors.



# Product Index

## Concrete Saws



Concrete Saws	C14, C16, C406, C18	
Ring Saws	R13, R16	
Chainsaws	CS11, CS18	P.06 - P.25
Circular Saws	SCS7	
Tile Saw	TS9	

## Core Drilling Motors



Dry Drilling Motors	DM51P, DM51D, DME51D, DME52D, DM62	
Wet+Dry Drilling Motors	DMC160, DM52D, DM52P, DMC6P, DMC6D	
Wet Drilling Motors	DM2, DM5D, DM5P, DM6P, DM6D, DM8P	P.26 - P.55
Rig Mounted Motors	DM9, DM10, DM12, DM14	
Rigs	AS200, S170, S350, S500, S800	
Tile Core Drills	TC20, TC40, TC402	

## Concrete Grinders



Concrete Grinders	G5, G7, G125, G180, BG125, BG5	P.56 - P.69
Long-Reach Concrete Grinder	LG125	

## Wall Chasers



Wall Chasers	CS125N, CS180, CG125, CG150	P.70 - P.74
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## Drywall Sanders



Drywall Sanders	SB9, GS9FE, GS9FSE, HS225	P.75 - P.79
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## Concrete Vibrators



Concrete Vibrators	H35, H35S, H42, H42S	P.80 - P.82
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## Mixers



Mixers	EV21, EV42, EV52, EV160, EV10ELM	P.83 - P.85
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### Key to symbols used this catalog:

Overload Protection	Soft Start	Double Insulation (Class II)	Number of Gears
Variable Speed	Forward & Reverse	Constant Speed	Plastic Carry Case
			Blow Molded Case



## Magnetic Core Drills

Auto-Reverse Tapping Magnetic Core Drill	TP2000	
Low Profile Magnetic Core Drill	PMD3530	
Semi Auto Feed Magnetic Core Drill	MD300N	
1-Speed Magnetic Core Drills	SMD351L/H	P.88 - P.111
2-Speed Magnetic Core Drills	SMD352, SMD502, ST50, MD500/2	
4-Speed Magnetic Core Drills	MD750/4, MDS750/4, MD120/4	



## Metal Saws

Metal Saws	CS200/CS230N, CS320, DRC355	P.112 - P.116
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## Tapper

Tapper	T14	P.117
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## Electric Bevelers

Electric Bevelers	EB6T, EB12, EB24R, HP1400	P.118 - P.122
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## Straight Grinder

Straight Grinder	SG6	P.123
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## Metal Sander/ Polishers

Metal Sander/ Polishers	DP100, WS760	P.124 - P.126
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## Plumbing/HVAC

Digital Bending Machine	DB32	
Hole Cutting Drill	HC127	P.127 - P.132
Reciprocating Saw	RS26, RS130B	



## Paint Sprayers

Electric Piston Pump Airless Sprayers	EC021, PM021, PM025, PM021LF, PM025LF, PM031, PM039	
Air-Assisted Paint Sprayer	AC023	
Engine Airless Paint Sprayer	PE048	P.133 - P.145
HVLP Turbine Paint Sprayer	T328	



## Wood Working Tools

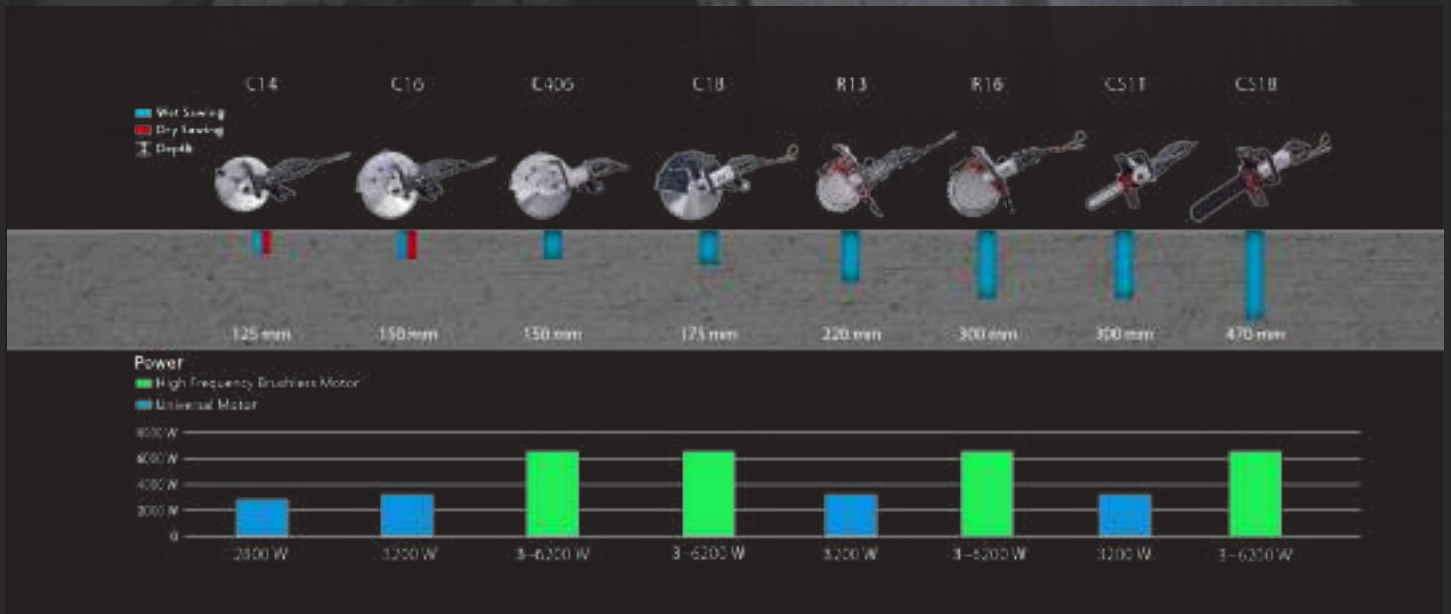
Compound Miter Saw	GP255	
Slide Compound Miter Saw	GP255S	P.146 - P.149
Plunge Cut Circular Saw	DS1600	



## Accessories

Converters	P8K, P4K, P3K	P.67 / P.118
Vacuums	DE25, DEP25	P.86 - P.87

# DIAMOND CONCRETE SAWS



MODEL / FEATURES	C14	C16	C406	C18	R13	R16	CS11	CS18
MOTOR TYPE	Universal motor	Universal motor	High Frequency	High Frequency	Universal motor	High Frequency	Universal motor	High Frequency
BLADE DIAMETER	355 mm (14")	406 mm (16")	406 mm (16")	457 mm (18")	330 mm (13")	406 mm (16")	Nominal Guide Bar Length: 13"	Nominal Guide Bar Lengths available: 12"/14"/16"/19"
POWER	1700W (110V) 2800W (220 V) 3000W (230-240 V)	110V:2800W (certificate) 220V:3000W (certificate) 230V:3200W (certificate)	6200 W (3~380 -480 V) 5500 W (1~220 -240 V) 1~200 -240 V: 3600 W (16 A) w/ adaptor	6200 W (3~380 -480 V) 5500 W (1~220 -240 V) 1~200 -240 V: 3600 W (16 A) w/ adaptor	3200 W (230 -240 V) (certificate) 3000 W (220 V) (certificate) 2800 W (110 -120 V) (certificate)	6200 W (3~380 -480 V) 5500 W (1~220 -240 V) 1~200 -240 V: 3600 W (16 A) w/ adaptor	Certificate: 2800 W (220 -240 V) 2600 W (110 -120 V) Actual: 3200 W (220 -240 V) 3000 W (110 -120 V)	6200 W (3~380 -480 V) 5500 W (3~220 -240 V) 1~200 -240 V: 3600 W (16 A) w/ adaptor
CUTTING DEPTH	125 mm	150 mm	150 mm	175 mm	220 mm	300 mm	300 mm	305 / 356 / 406 / 470 mm
OVERLOAD PROTECTION	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
THERMAL PROTECTION	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PRCD	Yes	Only 220V Models	On P8k	On P8k	Only 220V Models	On P8k	Only 220V Models	On P8k
IP CLASS	Not Rated	Not Rated	IP55	IP55	Not Rated	IP55	Not Rated	IP55
FLUSH CUT SYSTEM	No	Yes	Yes	Yes	No	No	No	Yes (Near To Flush Cut Possible)
WATER FEED	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SPLASH GUARD OR SLURRY CONTROL BRUSH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DRY CUTTING (DUST SKID)	Yes	Yes	No	No	No	No	No	No
GUIDE ROLLERS	Yes	Yes	Yes	Yes	No	No	No	No
ADJUSTABLE BLADE GUARD ANGLE	Yes	Yes	Yes	Yes	No	No	No	No
SPIRIT LEVELS	No	No	No	No	No	No	Yes	Yes
WATERPROOF HALL EFFECT SWITCH	No	No	Yes	Yes	Yes	Yes	Yes	Yes

# C14 CONCRETE SAW





355 mm (14") handheld wet or dry diamond saw with 2800 W motor for up to 125 mm depth of cut. Ideal for in-door cutting.



■ **Dry Cutting With Dust Skid (Optional)**

With spring-loaded suspension for ideal dust containment when dry cutting



Model	C14
Power Input	3000 W (230-240 V), 2800 W (220 V), 1700 W (110-120 V)
Voltage	230-240 V~ 50-60Hz, 220 V~ 50-60 Hz, 110-120 V~ 50-60 Hz
No Load RPM	4500
Linear speed with 14" blade	83.6 m/s
Blade Diameter	355 mm (14")
Arbor	25.4 mm (1")
Max. Cutting Depth	125 mm (5")
Protection Class	Class I with PRCD / GFCI
Dimensions (LxWxH)	611 x 245 x 280 mm
Weight	8.0 kg (17.6 lb) 8.4 kg (18.5 lb) with guide rollers
Characteristics / Certification	   

**Features**

1. LED Indicator Indicates load conditions (electronic & thermal protection).
2. Integrated water feed system with fine adjustable flow and quick release coupling.
3. Tool-free detachable guide rollers for perpendicular cuts and reduced operator fatigue.
4. Tool-free detachable splash guard.
5. Tool-free blade guard angle adjustment. Handles designed for optimal control.
6. Vacuum port for dust or slurry collection with cap.
7. Quick removable brush for slurry.
8. Externally accessible brushes.

**Standard/Optional Accessories See P.22**



# C16 CONCRETE SAW

405 mm (16") handheld wet or dry diamond saw with 3200 W motor for up to 150 mm depth of cut. Ideal for in-door cutting.



■ **Dry Cutting With Dust Skid (Optional)**

With spring-loaded suspension for ideal dust containment when dry cutting



■ **Flush Cutting (Optional)**

Flush cutting details see P.12



Model	C16
Power Input	230 V: 3200 W (certificate), 220 V: 3000 W (certificate), 110 V: 2800 W (certificate),
Voltage	230-240 V~ 50-60Hz, 220 V~ 50-60 Hz, 110-120 V~ 50-60 Hz
No Load RPM	3900
Linear speed with 16" blade	82.9 m/s
Blade Diameter	406 mm (16")
Arbor	25.4 mm (1")
Max. Cutting Depth	150 mm (6")
Protection Class	Class I, (220 V models with PRCD / GFCI)
Dimensions (LxWxH)	660 x 259 x 280 mm
Weight	9.7 kg (21.4 lb) 10.2 kg (22.5 lb) with guide rollers
Characteristics / Certification	

**Features**

1. LED Indicator Indicates load conditions (electronic & thermal protection).
2. Integrated water feed system with fine adjustable flow and quick release coupling.
3. Tool-free detachable guide rollers for perpendicular cuts and reduced operator fatigue.
4. Tool-free detachable splash guard.
5. Tool-free blade guard angle adjustment. Handles designed for optimal control.
6. Vacuum port for dust or slurry collection with cap.
7. Quick removable brush for slurry.
8. Externally accessible brushes.

**Standard/Optional Accessories See P.22**

# C406 HIGH FREQUENCY CONCRETE SAW

406 mm (16") concrete saw with 6500 W high frequency permanent magnet synchronous motor for up to 150 mm depth of cut. Flush cut capability.



■ **Flush Cutting (Optional)**

Flush cutting details see P.12



■ **P8K**



P8K Details See P.67

**Features**

1. LED Indicator Indicates load conditions (electronic & thermal protection).
2. Constant speed is maintained regardless of load.
3. Integrated water feed system with fine adjustable flow and quick release coupling.
4. Tool-free detachable guide rollers for perpendicular cuts and reduced operator fatigue.
5. Tool-free detachable splash guard.
6. Tool-free blade guard angle adjustment.
7. Hall Effect Switch is completely waterproof and dustproof.
8. Handles designed for optimal control.
9. Quick removable brush for slurry.

Model	C406
Power Input	3Ø~380-480 V 6200 W 1Ø~200-240 V 3600 W (16 A), 5500 W (32 A)*
No Load RPM**	3900/min
Linear speed with 16" blade	82.9 m/s
Blade Diameter	406 mm (16")
Arbor	25.4 mm (1")
Max. Cutting Depth	150 mm (6")
Cable Length	6 M
Dimensions (LxWxH)	810 x 260 x 310 mm
Weight	10.5 kg (23.1 lb)
Characteristics / Certification	

\* Maximum input current with a single phase adaptor cable is 16A. If a 32A 220V breaker is available, a 32A rated cable may be used to directly supply the converter for full power.

\*\* Due to the motor design, the no load and the rated load speeds are roughly the same.

**Standard/Optional Accessories See P.22**

# C18 HIGH FREQUENCY CONCRETE SAW

457 mm (18") wet concrete saw with 6500 W high frequency permanent magnet synchronous motor for up to 175 mm depth of cut. With flush cut capability.



■ **Flush Cutting (Optional)**

Flush cutting details see P.12



■ **P8K**



P8K Details See P.67

Model	C18
Power Input	3Ø~380-480 V 6200 W 1Ø~200-240 V 3600 W (16 A), 5500 W (32 A)*
No Load RPM**	2800/min
Linear speed with 18" blade	67.0 m/s
Blade Diameter	457 mm (18")
Arbor	25.4 mm (1")
Max. Cutting Depth	175 mm (6")
Cable Length	6 M
Dimensions (LxWxH)	810 x 260 x 310 mm
Weight	11.6 kg (25.5 lb)
Characteristics / Certification	

\* Maximum input current with a single phase adaptor cable is 16A. If a 32A 220V breaker is available, a 32A rated cable may be used to directly supply the converter for full power.

\*\* Due to the motor design, the no load and the rated load speeds are roughly the same.

## Features

1. LED Indicator Indicates load conditions (electronic & thermal protection).
2. Constant speed is maintained regardless of load.
3. Integrated water feed system with fine adjustable flow and quick release coupling.
4. Tool-free detachable guide rollers for perpendicular cuts and reduced operator fatigue.
5. Tool-free detachable splash guard.
6. Tool-free blade guard angle adjustment.
7. Hall Effect Switch is completely waterproof and dustproof.
8. Handles designed for optimal control.
9. Quick removable brush for slurry.

**Standard/Optional Accessories See P.23**

■ **Flush Cutting (Optional on C16, C406, C18)**

To perform flush cutting, one must first mount a Flush Cutting Flange Kit (choose A or B), a suitable flush cutting blade, and install the Flush Cut Cover Set. Each kit comes complete with all necessary fasteners.



**Flush Cutting Flange Kits**



**A. HY Pattern Flush Cutting Kit- 1" arbor 6-bolt (60mm bolt hole circle)**



**B. HV Pattern Flush Cutting Kit- 1" arbor Longyear 6-bolt (3-1/2" (88.9mm) bolt hole circle) & 3 bolt combined**



**Flush Cutting Blade**

88.9mm bolt hole circle (for use with the B. HV Pattern Flush Cutting Kit above)



**Flush Cut Cover Set**

For enhanced safety when flush cutting

■ **Dry Cutting With Dust Skid (Optional on C14, C16)**

With spring-loaded suspension for ideal dust containment when dry cutting.

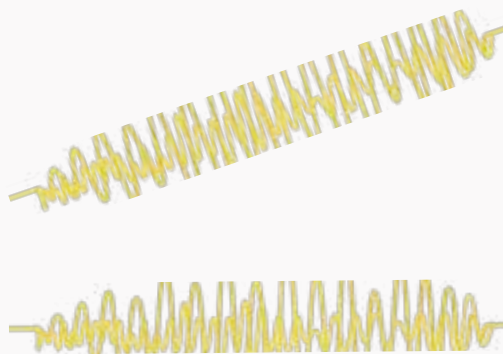


(14" for C14)



(16" for C16)

■ **Brushless Motor (On C18, C406)**



# Features

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## Toggle Latches

Blade Guard with Toggle Latches for quick conversion to Flush cutting



## LED Indicator

LED Indicator Indicates load conditions (electronic & thermal protection).



## Blade Guard

Tool-free blade guard angle adjustment. Handles designed for optimal control.



## Guide Rollers

Tool-free detachable guide rollers for perpendicular cuts and reduced operator fatigue.



## Splash Guard

Tool-free detachable splash guard.



## Vacuum Port

Vacuum port for dust or slurry collection with cap.



# R13 RING SAW

330 mm (13") wet ring saw with 3200 W universal motor for up to 220 mm depth of cut.



### Features

1. Patented One Step Drive Tensioner makes fast and easy blade adjustment and keeps tension equalized.
2. Change saw blade quickly and without disassembly of the cover.
3. High Stability Guide Roller design keeps the blade stable and centralized when beginning the cut.
4. LED Indicator Indicates load conditions (electronic & thermal protection).
5. Flexible upper and bottom splash guards prevent splashing slurry.
6. Hall Effect Switch is completely waterproof and dustproof.
7. Water feed system with fine adjustable flow and quick release coupling.
8. Externally accessible brushes.

Model	R13
Power Input	230 V : 3200 W (certificate), 220 V : 2800 W (certificate), 110 V : 2600 W (certificate), 230-240 V~ 50-60 Hz
Voltage	220 V~ 50-60 Hz 110-120 V~ 50-60 Hz
No Load RPM	3900/min
Linear speed	67.4 m/s
Blade Diameter	330 mm (13")
Max. Cutting Depth	220 mm (8.7")
Protection Class	Class I, (220 V models with PRCD / GFCI)
Dimensions (LxWxH)	730 x 280 x 450 mm
Weight	12.6 kg (27.7 lb)(Not incl. blade)
Characteristics / Certification	

**Standard/Optional Accessories See P.23**

# R16 HIGH FREQUENCY RING SAW

405 mm (16") wet ring saw with 6500 W high frequency permanent magnet synchronous motor for up to 300 mm depth of cut.



■ P8K



P8K Details See P.67

Model	R16
Power Input	3Ø~380-480 V 6200 W 1Ø~200-240 V 3600 W (16 A), 5500 W (32 A)*
No Load RPM**	2500 /min
Linear speed	53.1 m/s
Blade Diameter	406 mm (16")
Max. Cutting Depth	300 mm (11-13/16")
Cable Length	6 M
Dimensions (LxWxH)	830 x 240 x 460 mm
Weight	12.8 kg (27.5 lb)
Characteristics / Certification	

## Features

1. Patented One Step Drive Tensioner makes fast and easy blade adjustment and keeps tension equalized.
2. Change saw blade quickly and without disassembly of the cover.
3. High Stability Guide Roller design keeps the blade stable and centralized when beginning the cut.
4. LED Indicator Indicates load conditions (electronic & thermal protection).
5. Flexible upper and bottom splash guards prevent splashing slurry.
6. Hall Effect Switch is completely waterproof and dustproof.
7. Water feed system with fine adjustable flow and quick release coupling.

**Standard/Optional Accessories See P.23**

\* Maximum input current with a single phase adaptor cable is 16A. If a 32A 220V breaker is available, a 32A rated cable may be used to directly supply the converter for full power.

\*\* Due to the motor design, the no load and the rated load speeds are roughly the same.

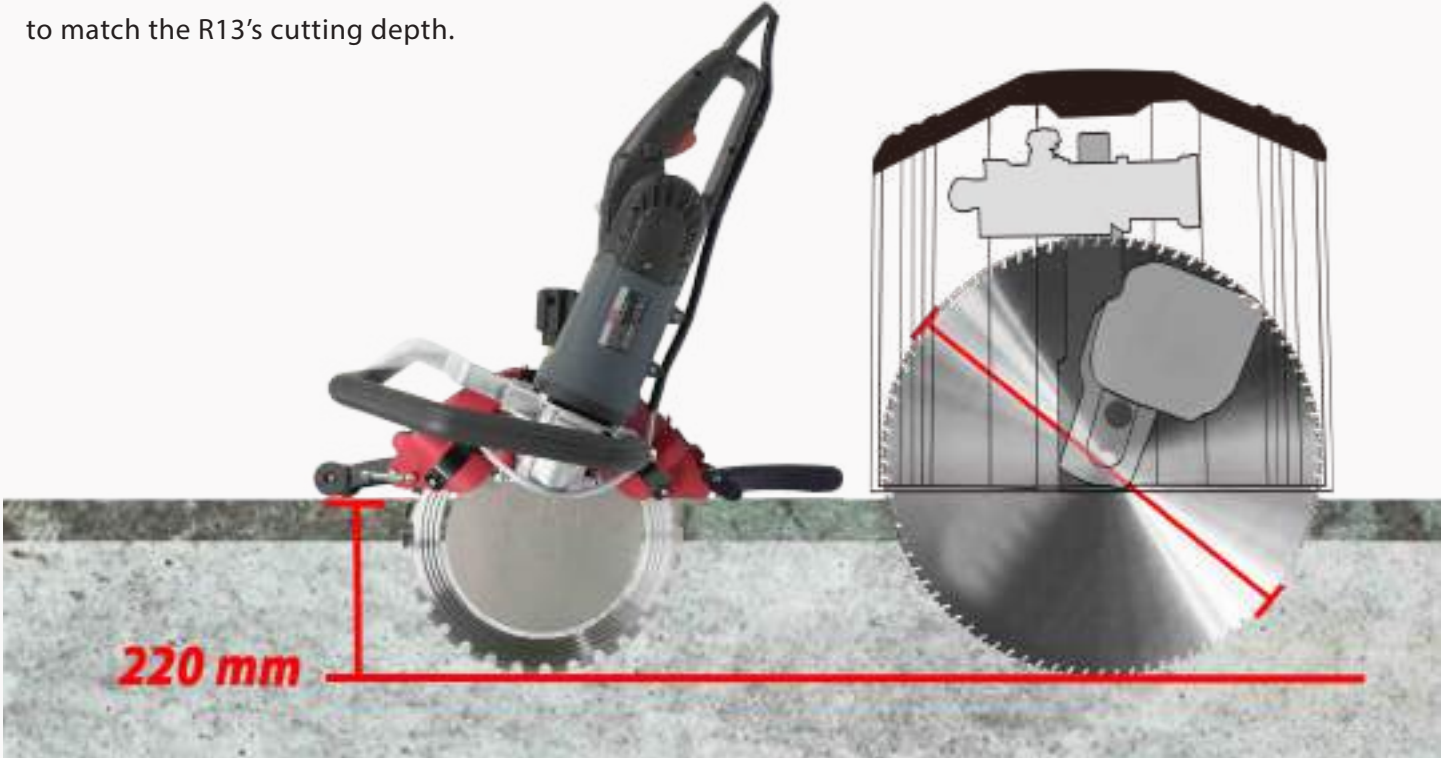
# Unparalleled Cutting Depth For A Hand-Held Saw

## R13 – 220mm Cut

With a standard wall saw, you'd need a circular blade diameter of at least 540mm to match the R13's cutting depth.

330mm Ring Saw

540 mm Wall Saw

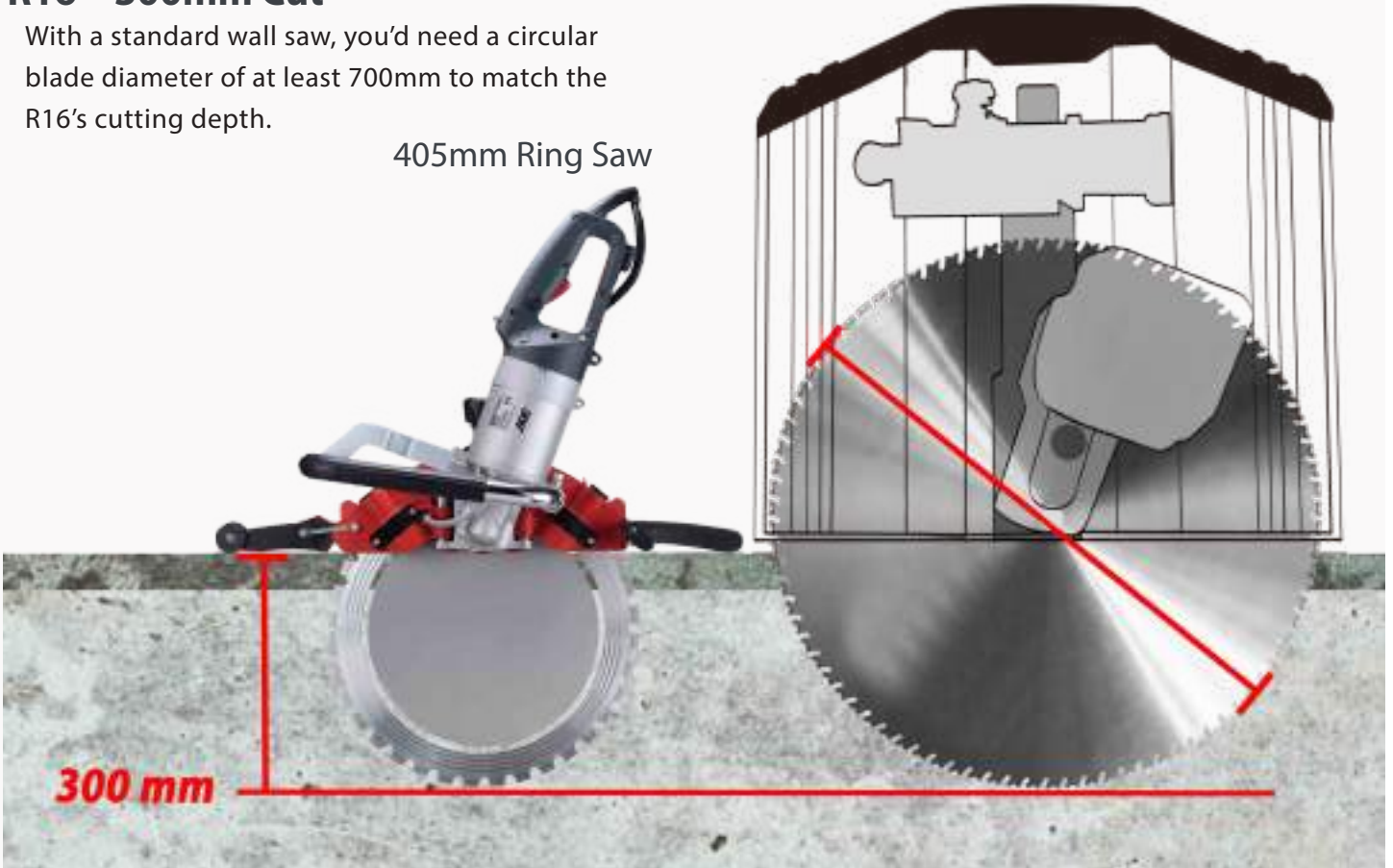


## R16 – 300mm Cut

With a standard wall saw, you'd need a circular blade diameter of at least 700mm to match the R16's cutting depth.

405mm Ring Saw

700 mm Wall Saw





# Features



## Simple Side-Thrust Tuning

Maximum-stability guide-roller design keeps the blade centralized.



## One-Step Blade Tensioning System

Patented One Step Drive Tensioner makes fast and easy blade adjustment and keeps tension equalized.



## LED Load Indicator

LED Indicator Indicates load conditions (electronic & thermal protection).



## Splash Guards

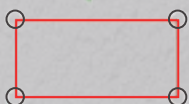
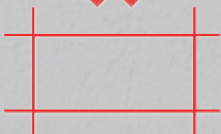
Flexible upper and bottom splash guards prevent splashing slurry.



## Ergonomic Handle Design

Optimum control and minimized fatigue.

## Minimal Overcut



RingSaw  
Action Video



## Quick & Easy Blade Changing

No need to strip the drive cover to change the blade.

# CS11 CONCRETE CHAIN SAW

Concrete chain saw with single phase 3200 W motor and up to 300 mm plunge cutting depth. Excellent for precise corner cut outs with no overcuts.



Model	CS11
Power Input	220 V: 2800 W (certificate), 3200 W (actual) 110 V: 2600 W (certificate), 3000 W (actual)
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load RPM	10000
Linear speed	21.45 m/s
Guide Bar Nominal Length	330 mm (13")
Diamond Chain	25 link
Max. Cutting Depth	300 mm (11.8")
Protection Class	Class I, (220 V models with PRCD / GFCI)
Dimensions (LxWxH)	630 mm (930 mm with guide bar) x 215 mm x 280 mm
Weight	8.1 kg (17.9 lb), 9.04 kg (19.9 lb) with guide bar & chain

Characteristics / Certification

## Features

1. LED Indicator Indicates load conditions (electronic & thermal protection).
2. Bumper Spike for increased leverage.
3. Flexible Splash Flap helps contain slurry.
4. Dual plane horizontal and vertical spirit levels for precise alignment.
5. Wide base for setting tool down and adjusting.
6. Hall Effect Switch is completely waterproof and dustproof.

**Standard/Optional Accessories See P.23**

# CS18 HIGH FREQUENCY BRUSHLESS CHAIN SAW

Concrete chainsaw with 6500 W high frequency permanent magnet synchronous motor. Excellent for deep plunge cuts and precise corner cut outs with no overcuts.



■ P8K



P8K Details See P.67

Model	CS18
Power Input	3Ø~380-480 V 6200 W 1Ø~200-240 V 3600 W (16 A), 5500 W (32 A)*
No Load RPM**	8500/min
Linear speed	20.7 m/s (3/8" ) , 25.7 m/s ( 0.444" )
Pitch	3/8" or 0.444"
Guide Bar Nominal Length	12" , 14" , 16" or 19"
Max. Cutting Depth	406 mm (w / 16" Bar)
Max. Cutting Depth	470 mm (w / 19" Bar)
Dimensions (LxWxH)	635 x 250 x 316 mm
Weight	8.9 kg ( 19.5 lb )
Characteristics / Certification	

\* Maximum input current with a single phase adaptor cable is 16A. If a 32A 220V breaker is available, a 32A rated cable may be used to directly supply the converter for full power.

\*\* Due to the motor design, the no load and the rated load speeds are roughly the same.

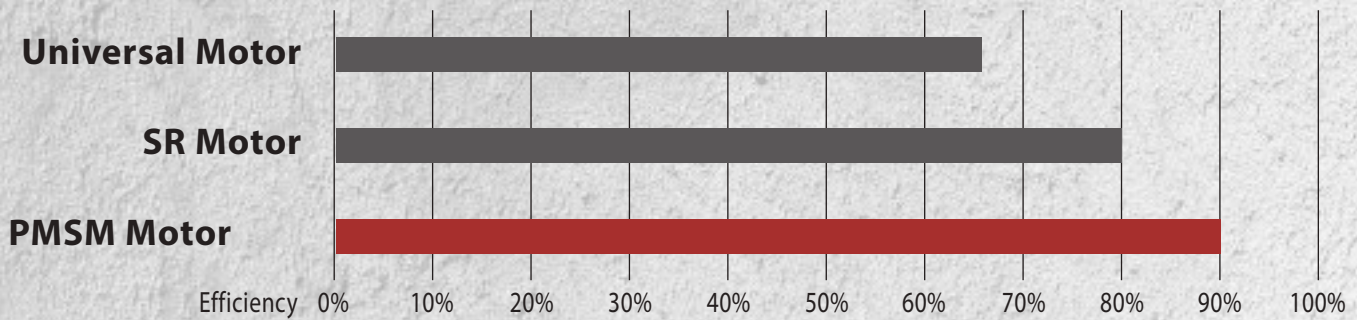
## Features

1. Constant speed is maintained regardless of load.
2. LED Indicator Indicates load conditions (electronic & thermal protection).
3. Bumper Spike for increased leverage.
4. Flexible Splash Flap helps contain slurry.
5. Dual plane horizontal and vertical spirit levels for precise alignment.
6. Wide base for setting tool down and adjusting.
7. Design allows cutting close to the wall.
8. Tool-free bar clamp lever for faster chain tension adjustment.
9. Special Motor Coupling Cable.
10. Hall Effect Switch is completely waterproof and dustproof.

**Standard/Optional Accessories See P.23**

# Features

## 6500W Permanent Magnet Synchronous Motor – A Revolution In Brushless Motors



### Higher Reliability

No carbon brush changes and longer life time.

### Slurry Resistant

Uniquely designed to prevent ingress of water, dust, and slurry.

### Higher Productivity

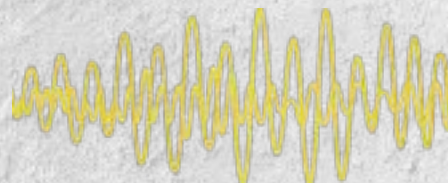
More efficient PMSM motor for faster results and less wasted energy.

### More Power

Higher raw power output for challenging cuts

### Faster Chain Adjustment

The tool-free bar clamp lever allows chain adjustments with no need for additional tools.



**Bumper Spike**

Bumper Spike for increased leverage



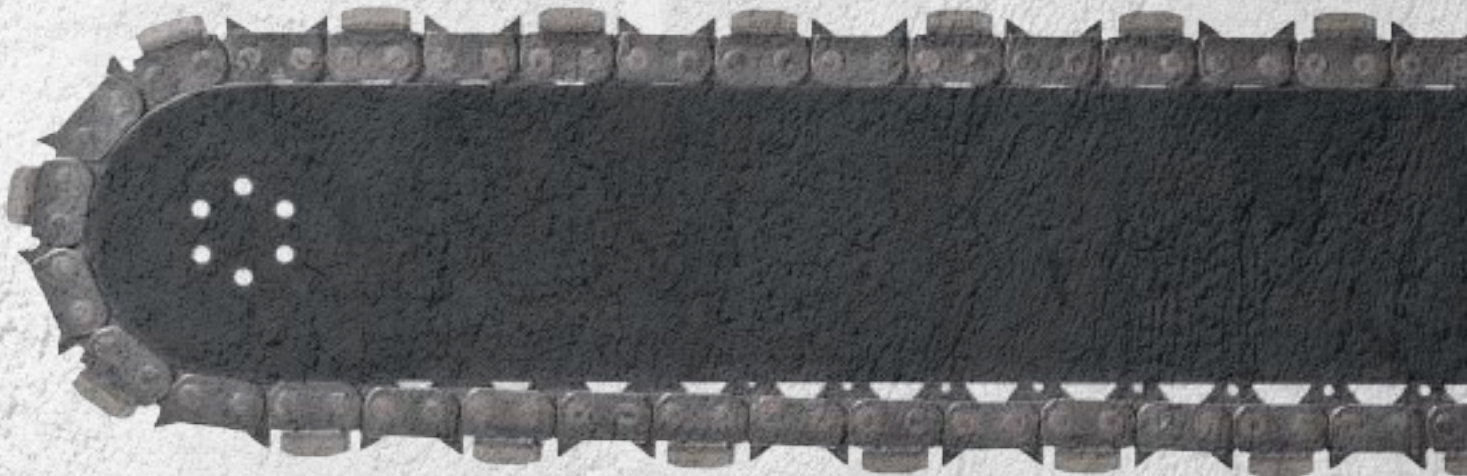
**LED Indicator**

LED Indicator  
Indicates load conditions



**Spirit Levels**

Dual plane horizontal and vertical spirit levels for precise alignment



**Splash Flap**

Flexible Splash Flap helps contain slurry



**Flush Cutting**

Special design allows very close to flush cutting



**Bar Clamp Lever**

Tool-free bar clamp lever for faster chain tension adjustment

# Sawing Accessories

## C14 Concrete Saw

Standard Accessories	
	M17 Combination Wrench
	Guide Roller Set
	Splash Guard Unit
	Blade Guard Brush
	PRCD / GFCI Interruptor
Optional Accessories	
	Diamond Blade
a	Dust Skid 14"



a Dust Skid (C14)



b Dust Skid (C16, C406)

## C16 Concrete Saw

Standard Accessories	
	M17 Combination Wrench
	M3 L-hex wrench
	Splash Guard Unit
	Blade Guard Brush
	PRCD / GFCI Interruptor (220V models only)
Optional Accessories	
b	Dust Skid 16"
c	Flush Cutting Flange Kits (60 mm & 88.9 mm)
d	Flush Cutting Blade
e	Flush Cut Cover Set



c Flush Cutting Flange Kits



d Flush Cutting Blade

## C406 High Frequency Concrete Saw

Standard Accessories	
	Hex Key (M3)
	Wrench (M17)
c	Flush Cutting Flange Kits (60 mm or 88.9 mm)
e	Flush Cut Cover Set
Optional Accessories	
d	Flush Cutting Blade



e Flush Cut Cover Set

## C18 High Frequency Concrete Saw

### Standard Accessories

- c Flush Cutting Flange Kits (60 mm or 88.9 mm)
- Flush Cutting Rim Brush

### Optional Accessories

- d Flush Cutting Blade

## R13 Ring Saw

### Standard Accessories

- T-Wrench
- Face Spanner
- f 330mm Ring Saw Blade



f Ring Saw Blade

## R16 High Frequency Ring Saw

### Standard Accessories

- f 405mm Ring Saw Blade



g Guide Bar

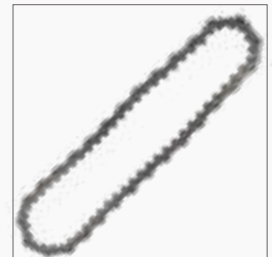
## CS11 Concrete Chain Saw

### Standard Accessories

- T-Wrench
- PRCD / GFCI Interruptor (220 V models only)

### Optional Accessories

- g Guide Bar (13")
- h Diamond Chain (general purpose)(25 link)
- i Sprocket 3/8"
- Carry Bag



h Diamond Chain

## CS18 High Frequency Concrete Chain Saw

### Standard Accessories

- Snap Ring Pliers
- T-Wrench
- Hex Key (M4)

### Optional Accessories

- g Guide Bar (12, 14, 16, or 19")
- h Diamond Chain (general purpose)
- i Sprocket 3/8" or 0.444"



i Sprocket

# SCS7 STONE CUTTING CIRCULAR SAW

A 180 mm wet stone saw with 55 mm depth of cut and 1800 W motor. Use the optional guide rail for precise control.



## Features

1. Depth Scale for control of cut.
2. Parallel Guide for straight cuts.
3. Sighting Notches for accurate cutting.
4. Optional Guide Rail for precise control of the cutting process.

Model	SCS7
Power Input	1800 W (220 V), 1680 W (110 V)
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup>	5800
Arbor	22.23 mm (7/8")
Max. Blade Diameter	180 mm
Max. Cutting Depth	55 mm
Overload Protection	With
Protection Class	Class I with PRCD / GFCI
Dimensions (LxWxH)	350 x 270 x 265 mm
Weight	6.7 kg (14.7 lb)
Characteristics / Certification	



### Standard Accessories

- Rubber Plug
- Parallel Guide
- Quick-release Water Hose Coupling
- M6 L-Hex Wrench
- PRCD / GFCI Interruptor
- Plastic Carry Case

### Optional Accessories

- 7" Diamond Blade
- a** Aluminum Guide Rails (1400mm & 800mm available)
- b** Guide Rail Connector
- c** Lever Clamp



# TS9 WET TILE SAW

A 230 mm professional grade, high precision wet tile saw with unique water recirculation design. 48 mm depth of cut. 45° bevel cut capability.



Quick-release table mountings.



Easy mounting  
1.5L water tray



Angle Guide Plate &  
Micro-adjustable cutting guide

Model	TS9
Motor Type	Single Phase AC Induction
Power Output	550 W (certificate), 800 W (actual)
Voltage	220-240 V~ 50-60 Hz 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup>	3000 (50 Hz), 3600 (60 Hz)
Max. Blade Diameter	230 mm (9")
Blade Bore	25.4 mm (1")
Bevel Capability	0-45°
Max. Cutting Depth-straight	48 mm (1-7/8")
Max. Cutting Depth- at 45 deg.	37 mm (1-7/16")
Rip Cut - Left	305 mm (12")
Rip Cut - Left at 45° Bevel	295 mm (11-39/64")
Rip Cut - Right	147 mm (5-25/32")
Diagonal (Miter) Cut - Left	285 mm (11-7/32")
Diagonal Cut - Left at 45° Bevel	275 mm (10-13/16")
Front of Blade to Table Edge	200 mm (7-7/8")
Protection	IPX4
Dimensions (LxWxH)	660 x 595 x 320 mm
Weight	14.7 kg (32.4 lb)
Characteristics / Certification	<b>CE CB</b>

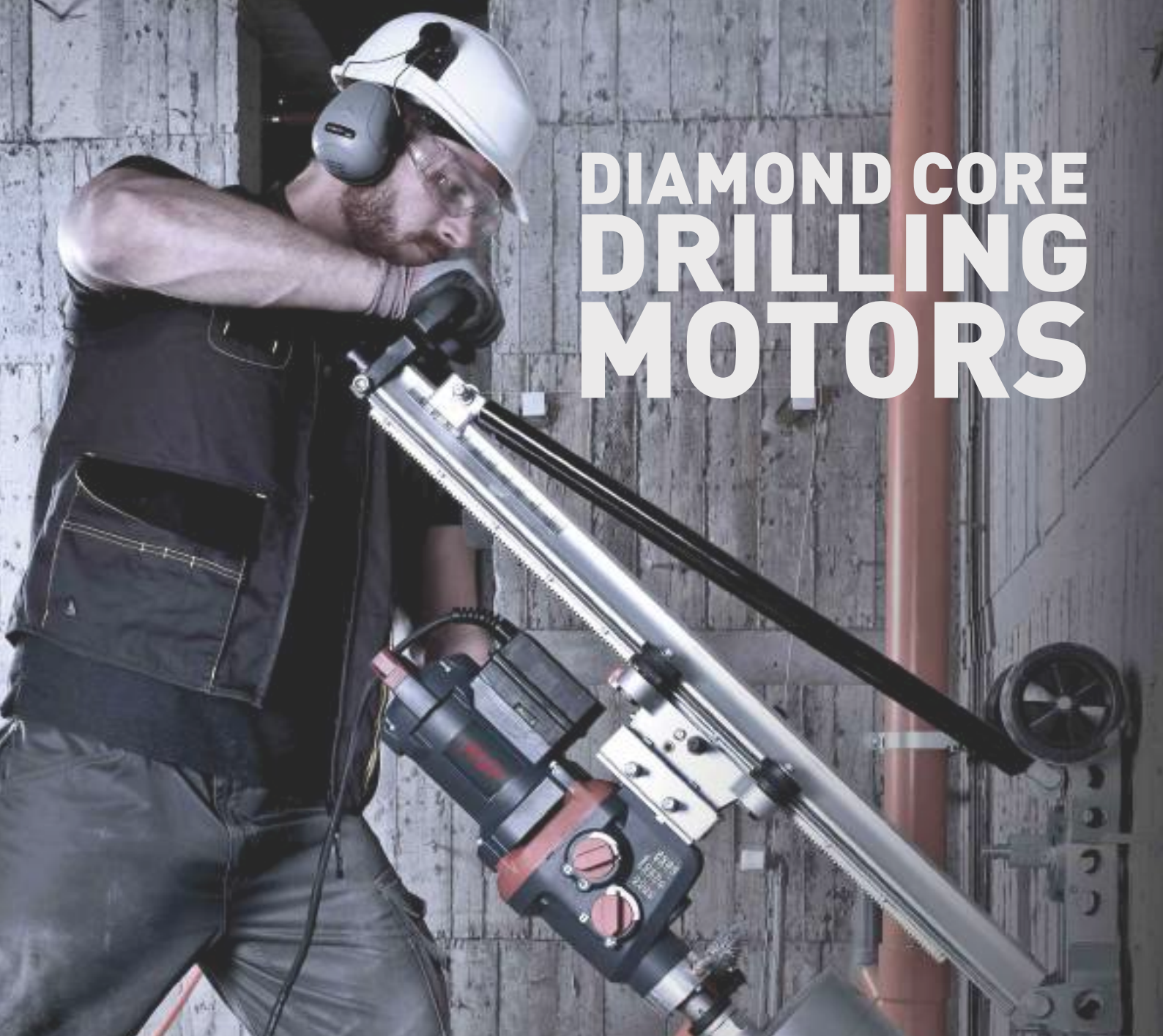
## Features

1. Easy Miter adjustment miters up to 45 degrees.
2. Easy mounting 1.5 L water tray.
3. Quick-release table mountings. Quick tool-free removal of the table for easy cleaning and blade replacement.
4. Rugged, stable, and easy-to-clean table with cutting scale.
5. Micro-adjustable cutting guide always remains parallel.
6. Angle Guide Plate holds work pieces at various angles.

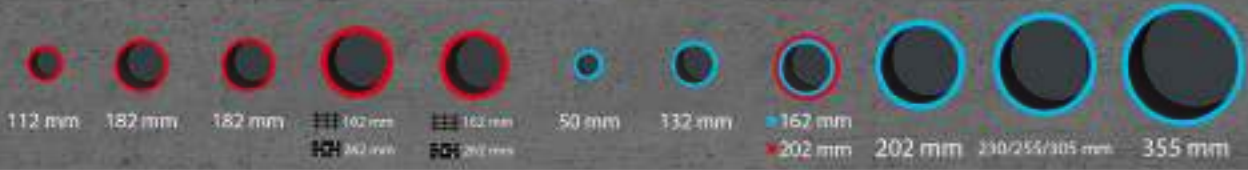
## Standard Accessories

- Diamond Blade
- Parallel Cutting Guide
- Angle Guide Plate
- M8 Combination Wrench
- M19 Combination Wrench

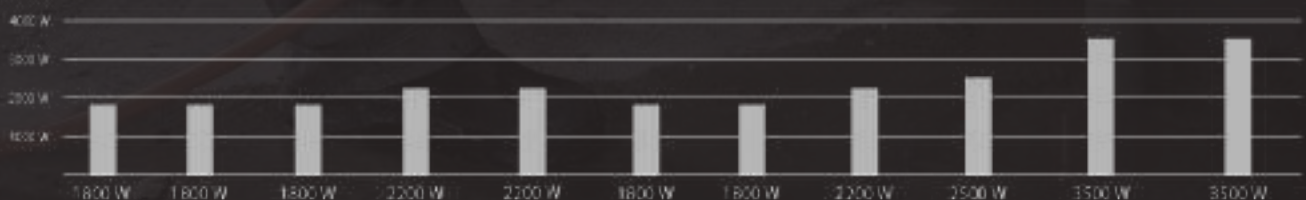
# DIAMOND CORE DRILLING MOTORS



■ Wet drilling  
■ Dry drilling



Power



- Wet Drilling
- Dry Drilling
- Wet+Dry Drilling

MODEL / FEATURES	DM51D/P	DM52P/D	DME51D	DME52D	DM62	DM2	DM5P/ DM5D	DMC160	DMC6P/ DMC6D	DM6P/ DM6D	DM8P	DM9/10/12	DM14
<b>POWER</b>	1800 W	1800 W	1800 W	1800 W	2200 W	1800 W	1800 W	2200 W	2200 W	2200 W	2500 W	3500 W	3500 W
<b>GEARS</b>	1	2	1	2	2	1	2	3	3	3	3	3	4
<b>DRILLING TYPE</b>	Dry	Dry (+Wet)	Dry	Dry	Dry	Wet	Wet	Wet (+Dry)	Wet (+Dry)	Wet	Wet	Wet	Wet
<b>CAPACITY (WET) RC</b>	—	82 mm	—	—	—	50 mm	132 mm	162 mm	162 mm	162 mm	202 mm	250/300/350 mm	350 mm
<b>CAPACITY (DRY) BRICK</b>	112 mm	182 mm	112 mm	182 mm	262 mm	—	—	202 mm	202 mm	—	—	—	—
<b>CAPACITY (DRY) RC</b>	—	—	—	—	162 mm	—	—	—	—	—	—	—	—
<b>CONSTANT SPEED</b>	No	No	No	No	No	No	No	No	No	No	Yes	No	No
<b>SWITCHABLE PERCUSSION</b>	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
<b>SLOW-START</b>	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes
<b>OVERLOAD PROTECTION</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>THERMAL PROTECTION</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>LED LOAD INDICATOR</b>	No	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>DUST COLLECTION</b>	No	Integrated	External	External	Integrated	No	No	Integrated	Integrated	No	No	No	No
<b>SPIRIT LEVELS</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>ANTI-SEIZE RING</b>	No	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes

# TC20 / TC40 / TC402 TILE CORE DRILLS

Wet or dry tile core drills specially designed for core drilling small holes in tiles, ceramics, porcelain, stone, concrete, masonry, glass, and similar materials. Quick-release spindle for easy clearing of cores.



TC20, TC40



TC402



2-speed gear change lever

## Features

1. Quick-release collar for easy clearing of cores.
2. Suction Centering Guide for precise hole positioning and control of slurry and/or dust.
3. Pressurized Water Tank with Flow Regulator (optional).
4. 2-speed motor for a wide range of diameters. (TC402 only).

Model		TC20	TC40	TC402
Power Input		650 W		
Voltage		220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz		
No Load / Rated Load Speeds, min <sup>-1</sup>	Speed 1	7500 / 4500	4500 / 2700	4500 / 2700
	Speed 2	N/A	N/A	7500 / 4500
Capacity		20 mm (13/16")	40 mm (1-9/16")	40 mm (1-9/16")
Adapter Thread		G 1/2" (BSPP), M14-2.0		
Protection Class		Class II with PRCD / GFCI		
Neck Diameter		43 mm		
Dimensions (LxWxH)		317 x 100 x 300 mm		348 x 100 x 300 mm
Weight		2.3 kg (5.1 lb)		2.5 kg (5.5 lb)
Characteristics / Certification				

■ **Suction Centering Guide ②**

(Standard)



**Standard Accessories**

- PRCD / GFCI Interrupter
- Suction Centering Guide
- Quick-Release Bit Adapter (1/2" BSP)
- Quick-Release Bit Adapter (M14)
- M22 Wrench
- M27 Wrench
- Side handle
- Collar

**Optional Accessories**

- Pressurized Water Tank Kit (0.85 Liter)
- Water Supply Kit

**Tile Diamond Core Bits (For models-TC20, TC40, TC402)**

Diameter (mm)	Part Number M14-2.0 Thread	Part Number G 1/2" BSP Thread
6	305-03356-004-084	305-03356-004-096
8	305-03356-004-085	305-03356-004-097
10	305-03356-004-086	305-03356-004-098
12	305-03356-004-087	305-03356-004-099
14	305-03356-004-088	305-03356-004-100
16	305-03356-004-089	305-03356-004-101
18	305-03356-004-090	305-03356-004-102
20	305-03356-004-091	305-03356-004-103
25	305-03356-004-092	305-03356-004-104
30	305-03356-004-093	305-03356-004-105
35	305-03356-004-094	305-03356-004-106
40	305-03356-004-095	305-03356-004-107

■ **Water Supply Kit (Optional)**



**Tile Diamond Core Bits**

# DM51D / DM51P DRY DIAMOND CORE DRILL MOTORS

Light, compact, high efficiency 1800 W coring motors for dry drilling up to 112 mm.



**DM51D**



**DM51P**



Model	DM51D	DM51P
Power Input	1800 W	
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load / Rated Load Speeds, min <sup>-1</sup>	3600 / 2300	
Percussion Frequency (No Load / Rated)	72,000 / 46,000 bpm	
Spindle Thread	1/2" BSP female (also available M18-2.5 male) (Specify when ordering)	
Capacity-Dry	112 mm (4-3/8")	
Soft Start & Overload Protection	With	
Mechanical Safety Clutch	With	
Protection Class	Class II	
Neck Diameter	60 mm	60 mm
Dimensions (LxWxH)	450 x 90 x 210 mm	390 x 90 x 280 mm
Weight	4.7 kg (10.4 lb)	4.5 kg (9.9 lb)
Characteristics / Certification		

## Features

1. Single speed gearbox with clutch.
2. Electronic motor management with soft start, over load and thermal protection.
3. Horizontal spirit level for precise alignment.
4. Switchable soft percussion for optimized dry drilling.
5. Side handle in-line with spindle centerline for best control.

**Standard/Optional Accessories See P.46**

# DM52D / DM52P DRY/WET DIAMOND CORE DRILL MOTORS

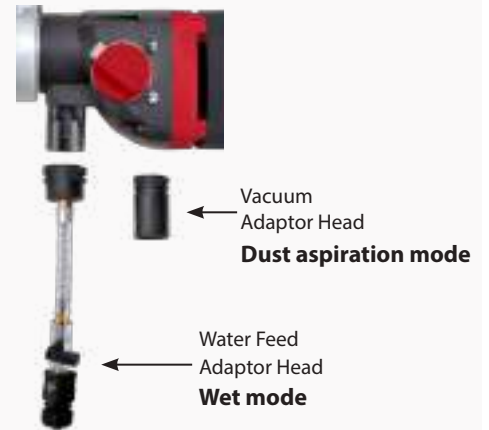
Light, high efficiency 1800 W, 2-speed coring motors for dry drilling up to 222 mm and occasional wet drilling up to 82 mm.



**DM52D**



**DM52P**



Model	DM52D	DM52P
Power Input	1800 W	
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load / Rated Load Speeds, min <sup>-1</sup>	Speed 1 1800 / 1150 Speed 2 3600 / 2160	
Percussion Frequency (No Load / Rated)	Speed 1 36,000 bpm / 23,000 bpm Speed 2 72,000 bpm / 46,000 bpm	
Spindle Thread	1-1/4" UNC male & 1/2" BSP female (also available: 1/2" BSP female or M18-2.5 male) (Specify when ordering)	
Capacity-Dry	182 mm (7-1/6")	
Capacity-Wet	82 mm (3-1/4")	
Soft Start & Overload Protection	With	
Mechanical Safety Clutch	With	
Protection Class	Class II with PRCD / GFCI	
Neck Diameter	60 mm	60 mm
Dimensions (LxWxH)	505 x 105 x 210 mm	450 x 105 x 280 mm
Weight	5 kg (11.0 lb)	4.9 kg (10.8 lb)
Characteristics / Certification		

## Features

1. 2 speed gearbox with clutch for a wide range of sizes.
2. Electronic motor management with soft start, overload and thermal protection.
3. Horizontal spirit level for precise alignment.
4. Switchable soft percussion for optimized dry drilling.
5. Side handle in-line with spindle centerline for best control.

**Standard/Optional Accessories See P.46**

## DME51D DRY DIAMOND CORE DRILL MOTOR

A compact, high efficiency 1 speed 1800 W dry drilling motor for drilling up to 112 mm. Suitable for drilling of highly abrasive materials. Switchable soft percussion allows optimal dry drilling performance.



## DME52D DRY DIAMOND CORE DRILL MOTOR

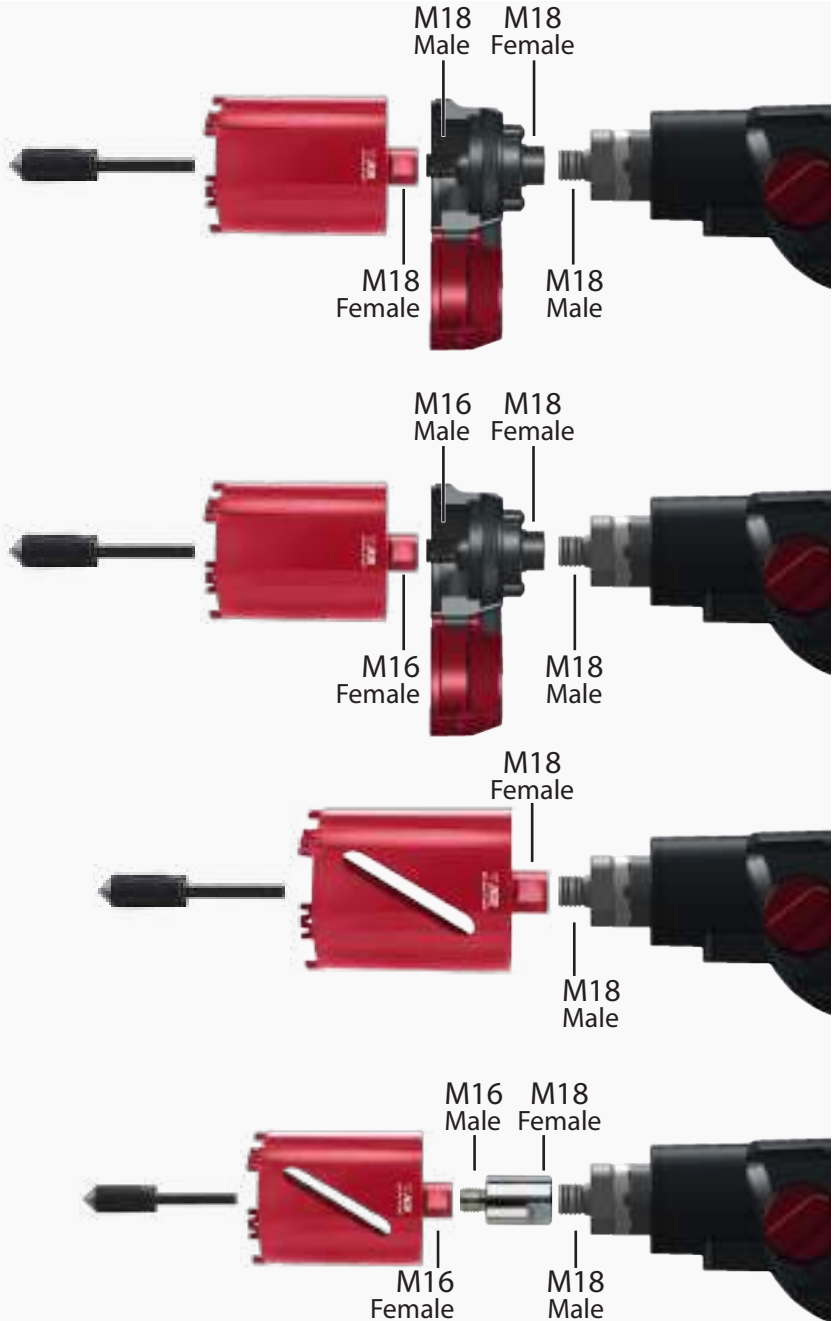
A compact, high efficiency 2 speed 1800 W drilling motor for dry drilling up to 222 mm. Suitable for drilling of highly abrasive materials. Switchable soft percussion allows optimal dry drilling performance.



Model	DME51D	DME52D	
Power Input	1800 W		
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz		
No Load / Rated Load Speeds, min <sup>-1</sup>	3600 / 2300	Speed 1	1800 / 1150
		Speed 2	3600 / 2300
Percussion Frequency (No Load / Rated)	72,000 bpm / 46,000 bpm	Speed 1	36,000 bpm / 23,000 bpm
		Speed 2	72,000 bpm / 46,000 bpm
Capacity-Dry	112 mm (4-3/8")	182 mm (7-1/6")	
Spindle Thread	M16-2.0 male or M18-2.5 male (Specify when ordering)		
Protection Class	Class II		
Dimensions (LxWxH)	450 x 90 x 210 mm	505 x 105 x 210 mm	
Weight	4.7 kg (10.4 lb)	5 kg (11.0 lb)	
Characteristics / Certification			



■ **External Dust Extractor Head (Optional)**



■ **Vacuum Collector Pad (Optional)**

This device adheres to the wall by vacuum cleaner suction and very effectively collects the dust right at the source. Various rings are available for different core sizes. (Details please see P.50)



**Features**

1. Gear box with mechanical clutch.
2. Smart Electronic Control with soft-start, thermal protection, and overload protection.
3. Switchable soft percussion for optimized dry drilling.
4. Side Handle in-line with spindle centerline for best control.
5. Built in horizontal levels for precision.
6. External Dust Extractor Head for use with 50 to 82 mm banana slot type bits (Optional).
7. Spring-loaded Centering Pilot for L 85mm bits or for L 65mm bits. (Optional).

**Standard/Optional Accessories See P.46**

## DM62 DRY DIAMOND CORE DRILL MOTOR FOR REINFORCED CONCRETE

A heavy-duty 2 speed 2200 W dry drilling motor for drilling up to 182 mm in reinforced concrete and 262 mm in brick. Excellent for overhead drilling, operation in sub-zero temperatures and any situation where water cannot be used. Through-the-spindle dust extraction and switchable soft percussion allow optimal dry drilling performance.





**DM62**



**DM62+AS200**

**Features**

1. 2 Speed Gear Box with clutch.
2. Smart Electronic Control with soft-start, thermal protection, and overload protection.
3. All metal construction for optimized cooling, durability, and maximum strength.
4. Switchable soft percussion for optimized dry drilling.
5. LED indicator for optimizing drilling efficiency with overload and overheat warning.
6. Hall Effect Switch is completely waterproof and dustproof.
7. Anti-seize ring to keep core bits from getting stuck on the spindle.
8. Side Handle in-line with spindle centerline for best control.
9. Built in vertical and horizontal levels for precision.

**Standard/Optional Accessories See P.46**

<b>Model</b>		DM62
<b>Power Input</b>		2200 W (230-240 V), 2000 W (220 V), 1700 W (110-120 V)
<b>Voltage</b>		220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
<b>No Load / Rated Load Speeds, min<sup>-1</sup></b>	Speed 1	1250 / 750
	Speed 2	1900 / 1140
<b>Percussion Frequency (No Load / Rated)</b>	Speed 1	25,000 bpm / 15,000 bpm
	Speed 2	38,000 bpm / 22,000 bpm
<b>Capacity-Dry (Reinforced Concrete)</b>		182 mm (7-1/8")
<b>Capacity-Dry (Brick)</b>		262 mm (10-5/16")
<b>Spindle Thread</b>		1-1/4" UNC male & 1/2" BSP female
<b>Protection Class</b>		Class II
<b>Dimensions (LxWxH)</b>		430 x 122 x 290 mm
<b>Weight</b>		6.2 kg (13.6 lb)

Characteristics / Certification 

# DM2 WET DIAMOND CORE DRILL MOTOR

A compact 1 speed 1800 W wet drilling motor designed for fast wet drilling of small diameters from 10 mm up to 50 mm in reinforced concrete. Handles rebar well and is ideal for chemical anchors and similar applications.



Model	DM2
Power Input	1800 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load/ Rated Load Speed, min <sup>-1</sup>	6500 / 4160
Capacity-Wet	50 mm (2")
Spindle Thread	1/2" BSP Female
Soft Start & Overload Protection	With
Mechanical Safety Clutch	With
Neck Diameter	60 mm
Protection Class	Class II with PRCD / GFCI
Dimensions (LxWxH)	360 x 90 x 280 mm
Weight	4.5 kg (9.9 lb)
Characteristics / Certification	

## Features

- 1 speed Gear Box with clutch.
- Smart Electronic Control with thermal protection and overload protection.
- Side Handle in-line with spindle centerline for best control.
- Built in horizontal levels for precision.

**Standard/Optional Accessories See P.49**

# DM5P / DM5D WET DIAMOND CORE DRILL MOTORS

A compact, high efficiency 2 speed 1800 W wet drilling motor for drilling up to 132mm.



Model	DM5P	DM5D
Power Input	1800 W	
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load/ Rated Load Speeds, min <sup>-1</sup>	Speed 1 1500 / 960 Speed 2 2500 / 1600	
Capacity-Wet	132 mm (5-1/4")	
Spindle Thread	1-1/4" UNC male & 1/2" BSP female	
Neck Diameter	60 mm	
Protection Class	Class II with PRCD / GFCI	
Dimensions (LxWxH)	450 x 105 x 280 mm	505 x 105 x 210 mm
Weight	5.4 kg (11.8 lb)	5.5 kg (12.0 lb)
Characteristics / Certification		

## Features







1. 2 speed Gear Box with clutch.
2. Smart Electronic Control with thermal protection and overload protection.
3. Side Handle in-line with spindle centerline for best control.
4. Built in horizontal levels for precision.

**Standard/Optional Accessories**  
See P.49

# DMC160 WET / DRY DIAMOND CORE DRILL MOTOR

A 3-speed 2200 W wet and dry drilling motor for drilling up to 162mm in wet, and 202 mm in dry. An excellent choice for an all-around tool for many tasks.



Model	DMC160
Power Input	2200 W (230-240 V), 2000 W (220 V), 1700 W (110-120 V)
Voltage	230-240V~50-60Hz, 220 V~ 50-60 Hz, 110-120 V~ 50-60 Hz
No Load Speeds, min <sup>-1</sup>	1000 / 1600 / 4450
Rated Load Speeds, min <sup>-1</sup>	670 / 1070 / 2990
Capacity-Wet	Hand-Held : 82 mm (3-1/4") Rig-Mounted : 162 mm (6-1/4")
Capacity-Dry	202 mm (8")
Spindle Thread External / Internal	1-1/4" UNC male & 1/2" BSP female
Neck Diameter	60 mm
Soft Start & Overload Protection	With
Mechanical Safety Clutch	With
Protection Class	Class II with PRCD / GFCI
Dimensions (LxWxH)	528 x 106 x 145 mm
Weight	4.7 kg (10.4 lb)
Characteristics / Certification	     

**Brass Claw-Type Couplings**



Mounted to AS200 Drillstand + Water Collector + VB400 Vacuum Plate (See P.52-53)

**Features**

1. 3 Speed Gear Box with clutch.
2. Smart Electronic Control with soft-start, thermal protection, and overload protection.
3. Highly visible LED indicator for optimizing drilling efficiency with overload and overheat warning.
4. Hall Effect Switch is completely waterproof and dustproof.
5. Anti-seize ring to keep core bits from getting stuck on the spindle.
6. Side Handle in-line with spindle centerline for best control.
7. Built in horizontal level for precision.

**Standard/Optional Accessories See P.48**

## DM6P / DM6D WET DIAMOND CORE DRILL MOTORS

A heavy duty 3 speed 2200 W wet drilling motor for wet drilling up to 162 mm. Featuring all-metal construction for optimized cooling, durability, and maximum strength.



## DMC6P / DM6D WET/DRY DIAMOND CORE DRILL MOTORS

A heavy duty 3-speed 2200 W wet and dry drilling motor for drilling up to 162 mm in wet, and 202 mm in dry. Featuring all-metal construction for optimized cooling, durability, and maximum strength.





**Brass Claw-Type Couplings**



Mounted to AS200 Drillstand (See P.52)

**Features**

1. Aluminum alloy construction for optimized cooling, durability, and light weight.
2. Smart electronic motor management with soft-start, overload and thermal protection.
3. Three-speed oil bath gearbox with clutch.
4. Side handle in-line with spindle centerline for best control.
5. LED Indicator clearly indicates load conditions.
6. Water supply kit with quick-release water hose adaptor.
7. Anti-seize ring to keep core bits from getting stuck on the spindle.
8. Vertical level and horizontal level for precision.

**Standard/Optional Accessories See P.48~49**

Model	DM6P	DM6D	DMC6P	DMC6D
Power Input	2200 W (230-240 V), 2000 W (220 V), 1700 W (110-120 V)			
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz			
No Load Speeds, min <sup>-1</sup>	930 / 1520 / 4270			
Rated Load Speeds, min <sup>-1</sup>	560 / 910 / 2560			
Capacity-Wet	Hand-Held : 82 mm (3-1/4") Rig-Mounted : 162 mm (6-1/4")			
Capacity-Dry	N/A	N/A	202 mm (8")	202 mm (8")
Spindle Thread External / Internal	1-1/4" UNC male & 1/2" BSP female			
Neck Diameter	60 mm			
Soft Start & Overload Protection	With			
Mechanical Safety Clutch	With			
Protection Class	Class I with PRCD / GFCI			
Dimensions (LxWxH)	437 x 115 x 289 mm	528 x 106 x 145 mm	437 x 115 x 289 mm	528 x 106 x 145 mm
Weight	6.3 kg (13.9 lb)	6.3 kg (13.9 lb)	6.4 kg (14.1 lb)	6.4 kg (14.1 lb)
Characteristics / Certification				

# DM8P WET DIAMOND CORE DRILL MOTOR

A heavy duty 3 speed 2500 W wet drilling motor for drilling up to 202 mm. Featuring constant speed electronics for even drilling speed and longer core bit life.



## Features

1. High output motor with Constant Speed Electronics.
2. Smart Electronic Control with soft-start, thermal protection, and overload protection.
3. 3-speed oil bath gear box with clutch.
4. Highly visible LED load indicator for optimizing drilling efficiency.
5. Anti-seize ring to keep core bits from getting stuck on the spindle.

**Standard/Optional Accessories See P.49**

Model	DM8P
Power Input	2500 W (220 V), 2200 W (110 V)
Voltage	220-240 V ~ 50-60 Hz , or 110-120 V~ 50-60 Hz
*Rated Load Speeds, min <sup>-1</sup>	320 / 700 / 1450
No Load Speeds, min <sup>-1</sup>	480 / 1050 / 2200
Capacity-Wet	Hand-Held: 82 mm (3-1/4") Rig-Mounted: 202 mm (8")
Spindle Thread External / Internal	1-1/4" UNC male & 1/2" BSP female
Neck Diameter	60 mm
Protection Class	Class I with PRCD / GFCI
Dimensions (LxWxH)	463 x 127 x 310 mm
Weight	7.3 kg (16.0 lb)

Characteristics / Certification



\* Due to the motor design, the no load and the rated load speeds are roughly the same.

# DM9 / DM10 / DM12 DIAMOND CORE DRILL MOTORS

High efficiency 3 speed, 3500 W rig-mounted drilling motors with aluminum body. Three models with optimized gearing for different drilling requirements. Choose the version which best suits your drilling needs.







Model	DM9	DM10	DM12
Power Input	3500 W / 16 A (220 V), 2800 W / 25 A (110 V)		
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz		
No Load Speeds, min <sup>-1</sup>	550 / 1000 / 1600	450 / 810 / 1300	350 / 600 / 1000
Rated Load Speeds, min <sup>-1</sup>	345 / 630 / 1000	270 / 480 / 780	220 / 370 / 620
Drilling Capacity	Ø250 mm (10")	Ø300 mm (12")	Ø350 mm (14")
Gear Oil Type	90 W		
Gear Oil Capacity	625 ml		
Spindle Thread	1-1/4" UNC male & 1/2" BSP female		
Protection Class	Class I With PRCD / GFCI (110-120V w/o PRCD / GFCI)		
Soft Start & Overload Protection	With		
Dimensions (LxWxH)	550 x 155 x 210 mm		
Weight	12.9 kg (28.4 lb)		
Characteristics / Certification	   		

# DM14 RIG-MOUNTED DIAMOND CORE DRILL MOTOR

A high efficiency 4 speed, 3500 W motor with Aluminum body, optimized for a wider range of optimum drill sizes in one tool.

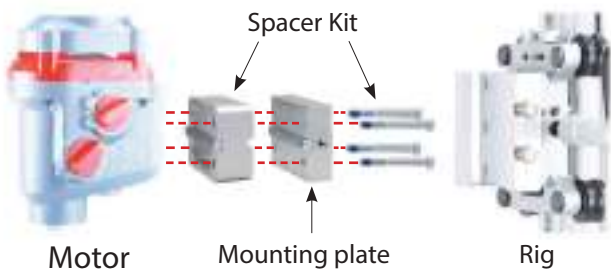


Model	DM14
Power Input	3500 W / 16 A (220 V), 2800 W / 25 A (110 V)
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load Speeds, min <sup>-1</sup>	385 / 530 / 975 / 1340
Rated Load Speeds, min <sup>-1</sup>	240 / 330 / 615 / 840
Drilling Capacity	Ø350 mm (14")
Gear Oil Type	90 W
Gear Oil Capacity	625 ml
Spindle Thread	1-1/4" UNC male & 1/2" BSP female
Protection Class	Class I With PRCD / GFCI (110-120V w/o PRCD / GFCI)
Soft Start & Overload Protection	With
Dimensions (LxWxH)	550 x 155 x 210 mm
Weight	13.5 kg (29.7 lb)
Characteristics / Certification	   



■ **Optional Accessories: 40 mm Spacer Kit**

To provide clearance for the switch box when mounting the motor to some models of other manufacturers' rigs. (The spacer also adds an extra 80 mm to the maximum core bit diameter with a given stand.)



**Features**

1. Sturdy 3 speed and 4 speed Gear Box with oil bath lubrication and mechanical clutch.
2. Advanced Electronic Control with soft-start, thermal protection, and overload protection.
3. Surge Function lets the operator easily know that the motor is near overload conditions by pulsing the motor without actually tripping out.
4. Slow-Start function, a unique automatic hole starting function that reduces motor speed for a short time to allow the kerf to be started.
5. LED indicator for optimizing drilling efficiency with overload and overheat warning.
6. Aluminum housing for better cooling and durability.
7. Anti-seize ring to keep core bits from getting stuck on the spindle.
8. Quick-replaceable water seals.

**Standard/Optional Accessories See P.49**

# Dry Drilling Accessories

## DM51D/P Dry Diamond Core Drill Motors

Standard Accessories	
	Side Handle
	Percussion Selector
Optional Accessories	
	Soft-Grip Side Handle
<b>a</b>	SDS Pilot Drill Socket



**a** SDS Pilot Drill Socket

## DM52D/P Dry Diamond Core Drill Motors

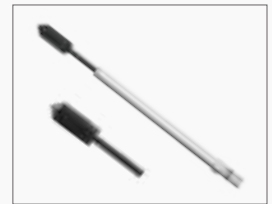
Standard Accessories	
	Side Handle
	Water Feed Adaptor Head
	Vacuum Adaptor Head
	Percussion Selector (Only for Dry Drilling Mode)
<b>b</b>	PRCD / GFCI Interrupter
Optional Accessories	
	Soft-Grip Side Handle
<b>a</b>	SDS Pilot Drill Socket
<b>c</b>	Centering Pilot for L 300 mm Bits



**b** PRCD / GFCI Interrupter protection

## DME51/52D Dry Diamond Core Drill Motor

Standard Accessories	
	Side Handle
Optional Accessories	
<b>d</b>	External Dust Extractor Head
	Vacuum Collector Pad Set (See P.50)
<b>c</b>	Centering Pilot for L 85 mm bits
<b>c</b>	Centering Pilot for L 65 mm bits
	M18 to M16 Spindle Adaptor



**c** Centering Pilot



**d** External Dust Extractor Head

## DM62 Dry Diamond Core Drill Motor

Standard Accessories	
	Blow Molded Case
	Side Handle
	M32 Wrench
Optional Accessories	
<b>c</b>	Centering Pilot for L 300 mm Bits

# DME51/52D Accessories

## ADD quick release dry drilling equipment

- a** Centering pilot, ADD
- b** Extension 200mm
- c** ADD quick release
- d** 1-1/4" to ADD M42 Adaptor

## Dry Diamond Core Bits with ADD M42 Coupling

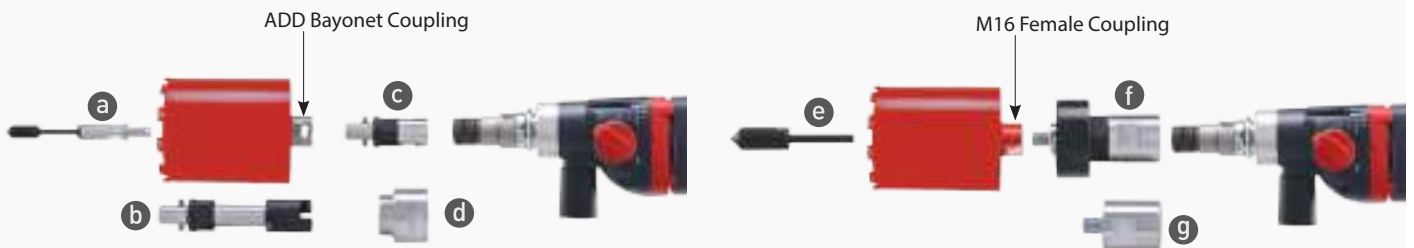
Diameter(mm)	Coupling	Useful Length(mm)
56	ADD	200
68	ADD	200
82	ADD	200
102	ADD	200
112	ADD	200
132	ADD	200
162	ADD	200
172	ADD	200
182	ADD	200

## M16 dry drilling equipment

- e** Centering Pilot
- f** M16 dust extractor
- g** 1-1/4" to M16 Adaptor

## Dry Diamond Core Bits with M16 Coupling

Diameter(mm)	Coupling	Useful Length(mm)
68	M16	85
82	M16	85
102	M16	85
112	M16	85



## Dry-Type Diamond Core Bits (For models with M16 coupling)

Diameter (mm)	Part Number 150 mm Length	Part Number 250 mm Length
32	305-03356-004-068	305-03356-004-108
38	305-03356-004-069	305-03356-004-109
42	305-03356-004-070	305-03356-004-110
52	305-03356-004-071	305-03356-004-111
62	305-03356-004-072	305-03356-004-112
65	305-03356-004-073	305-03356-004-113
72	305-03356-004-074	305-03356-004-114
78	305-03356-004-075	305-03356-004-115
82	305-03356-004-076	305-03356-004-116
86	305-03356-004-077	305-03356-004-078



# Wet / Dry Drilling Accessories

## DMC160 Wet / Dry Diamond Core Drill Motor

Standard Accessories	
	Side Handle
	Water Supply Kit
	M32 Wrench
<b>e</b>	Brass Claw-Type Couplings
<b>b</b>	PRCD / GFCI Interrupter
Optional Accessories	
	Soft-Grip Side Handle
<b>a</b>	SDS Pilot Drill Socket
<b>c</b>	Centering Pilot for L 300mm Bits



**e** Brass Claw-Type Couplings

## DMC6P/D Wet / Dry Diamond Core Drill Motors

Standard Accessories	
	Side Handle
	Water Supply Kit
	M32 Wrench
<b>e</b>	Brass Claw-Type Couplings
<b>b</b>	PRCD / GFCI Interrupter
Optional Accessories	
	Soft-Grip Side Handle
<b>a</b>	SDS Pilot Drill Socket
<b>c</b>	Centering Pilot for L 300mm Bits



# Wet Drilling Accessories

## DM2 Wet Diamond Core Drill Motor

### Standard Accessories

- Side Handle
- Water Supply Kit
- b** PRCD / GFCI Interrupter

### Optional Accessories

- Soft-Grip Side Handle

## DM5P/D Wet Diamond Core Drill Motors

### Standard Accessories

- Blow Molded Case
- Side Handle
- Water Supply Kit
- b** PRCD / GFCI Interrupter

## DM6P/D Wet Diamond Core Drill Motors

### Standard Accessories

- Side Handle
- Water Supply Kit
- M32 Combination Wrench
- b** PRCD / GFCI Interrupter

### Optional Accessories

- Soft-Grip Side Handle
- a** SDS Pilot Drill Socket

## DM8P Wet Diamond Core Drill Motor

### Standard Accessories

- Blow Molded Case
- Side Handle
- Water Supply Kit
- M32 Wrench
- b** PRCD / GFCI Interrupter

## DM9 / 10 / 12 Diamond Core Drill Motors

### Standard Accessories

- Water Supply Kit
- b** PRCD / GFCI Interrupter REMARK: 110-120V W/O PRCD / GFCI

### Optional Accessories

- f** 40 mm Spacer Kit

## DM14 Diamond Core Drill Motor

### Standard Accessories

- Water Supply Kit
- b** PRCD / GFCI Interrupter REMARK: 110-120 V W/O PRCD / GFCI

### Optional Accessories

- f** 40 mm Spacer Kit



**f** 40mm Spacer Kit

# Drilling Accessories

## Drilling Series Optional Accessories

- SDS Pilot Drill Socket (for models with female 1/2" BSP spindles)
- g** Acme Thread Adaptor (Adapts 1-1/4"-7 UNC spindles to 1-1/4"-3 Acme)
- h** M16 Dry Arbor Adaptor (Adapts 1-1/4"-7 UNC spindles to M16-2.0)
- Centering Pilots For L 300mm bits
- Soft-Grip Side Handle



**g** Acme Thread Adaptor



**h** M16 Dry Arbor Adaptor

## Vacuum Collector Pad

- i** Vacuum Collector Pad Set (small) \*Set includes pad + 4 rings
- j** Vacuum Collector Pad Set (large) \*Set includes pad + 2 rings
- k** Ring (D45) - for small pad
- Ring (D55) - for small pad
- Ring (D65) - for small pad
- Ring (D75) - for small pad
- l** Ring (D110) - for large pad
- Ring (D130) - for large pad



**i** Vacuum Collector Pad (small)



**j** Vacuum Collector Pad (large)

## Torque Wrench Adapter Socket

- m** For DM2
- For DM5 & DM51 & DM52
- For DM6 & DM62
- For DM8P
- For DM9-10-12-14



**k** Ring Set (D45~D75)

## Holding Fixture for adjusting clutches

- n** For DM2
- For DM5
- For DM51 & DM52
- For DM6
- For DM62
- For DM8P
- For DM9-10-12
- For DM14



**l** Ring Set (D110~D130)



**m** Torque Wrench Adapter Socket



**n** Holding Fixture for adjusting clutches

# 1-Piece Wet-Type Diamond Core Bits (For models with 1-1/4"-7 UNC spindles)

450mm Length (1-1/4"-7 UNC Coupling)			
Diameter (mm)	Segment Dimensions (mm)		Part Number
	Height x Thickness & Number of Segments		
25	H 9 x T 3.2 - single seg.		305-03356-004-034
32	H 9 x T 3.2 - single seg.		305-03356-004-035
38	H 9 x T 3.2 - single seg.		305-03356-004-036
42	H 9 x T 3.2 - single seg.		305-03356-004-037
52	H 10 x T 3.5 - 5 seg.		305-03356-004-038
56	H 10 x T 3.5 - 5 seg.		305-03356-004-039
62	H 10 x T 3.5 - 5 seg.		305-03356-004-040
65	H 10 x T 3.5 - 6 seg.		305-03356-004-041
72	H 10 x T 3.5 - 6 seg.		305-03356-004-042
76	H 10 x T 3.5 - 7 seg.		305-03356-004-043
82	H 10 x T 3.5 - 7 seg.		305-03356-004-044
86	H 10 x T 3.5 - 7 seg.		305-03356-004-045
92	H 10 x T 3.5 - 8 seg.		305-03356-004-046
102	H 10 x T 3.5 - 9 seg.		305-03356-004-047
112	H 10 x T 3.5 - 10 seg.		305-03356-004-048
122	H 10 x T 3.5 - 10 seg.		305-03356-004-050
127	H 10 x T 3.5 - 10 seg.		305-03356-004-051
132	H 10 x T 3.5 - 10 seg.		305-03356-004-052
142	H 10 x T 3.5 - 11 seg.		305-03356-004-053
152	H 10 x T 4.0 - 12 seg.		305-03356-004-054
162	H 10 x T 4.0 - 12 seg.		305-03356-004-055
172	H 10 x T 4.0 - 13 seg.		305-03356-004-056
182	H 10 x T 4.0 - 13 seg.		305-03356-004-057
200	H 10 x T 4.0 - 14 seg.		305-03356-004-058
203	H 10 x T 4.0 - 14 seg.		305-03356-004-059
226	H 10 x T 4.5 - 15 seg.		305-03356-004-060
232	H 10 x T 4.5 - 16 seg.		305-03356-004-061
252	H 10 x T 4.5 - 16 seg.		305-03356-004-062
300	H 10 x T 5.0 - 20 seg.		305-03356-004-063
305	H 10 x T 5.0 - 20 seg.		305-03356-004-064
332	H 10 x T 5.0 - 22 seg.		305-03356-004-065
356	H 10 x T 5.0 - 24 seg.		305-03356-004-066
<b>Special Core Bit for Asphalt:</b>			
102	H 10 x T 4.0 - 9 seg.	305-03356-004-067	



# S170 / AS200 / NS250 / S350 / S500 / S800 DIAMOND CORE DRILL STANDS

**S800**

Aluminum column with steel inserts for maximum rigidity and minimum weight

Convenient, tool-free carriage lock lever

Quick mount Dovetail cradle for fast motor fixing

Motor Mounting Plate supplied as standard equipment:

NS250 & S350      S500 & S800

Crank Handle doubles as a wrench

Heavy gauge steel base with lightening holes for optimum stability and vibration resistance

AS200 folds down completely for easy storage

S800 and S500 include a second crank spindle with reduction gearing for decreased effort

Optional: Fixing Kit for use with M12 drop-in anchors: Includes stud, washer, and speed nut (drop-in anchors not included)

Optional: Anchoring Plate (necessary with steel-base models: AS200, S170, NS250, S350, S500, S800)

Wheels for easy transport

0~45°

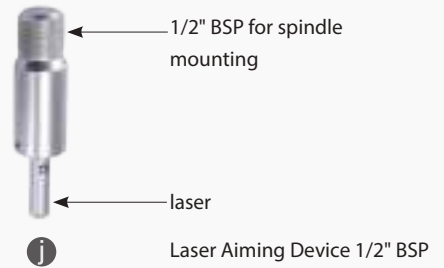
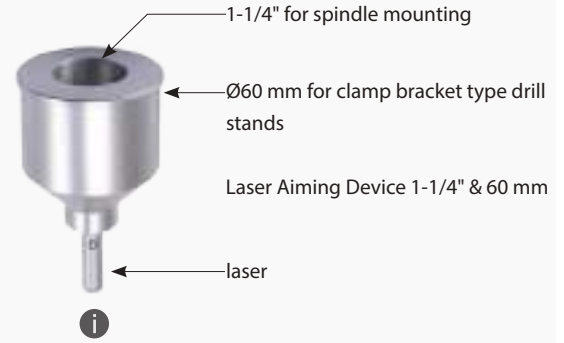


Model	S170	AS200	NS250	S350	S500	S800
Capacity w/o extension spacers (mm)	Ø170	Ø202	Ø250	Ø352	Ø350	Ø350
Max. Capacity with extension spacers (mm)	N/A	N/A	N/A	N/A	Ø500	Ø800
Effective Stroke (mm)	540	500	660	660	690	760
Dimensions (LxWxH) (mm)	460 x 215 x 815	361 x 250 x 890	400 x 245 x 984	435 x 245 x 984	480 x 240 x 1025	555 x 275 x 1035
Net Weight (Not Including crank handle)	10.1 kg (22.3 lb)	10.5 kg (23.1 lb)	14.9 kg (31.7 lb)	16.6 kg (36.5 lb)	19.1 kg (42.0 lb)	26.5 kg (58.4 lb)

# S170 / AS200 / NS250 / S350 / S500 / S800 DIAMOND CORE DRILLING UNITS ACCESSORIES

■ **Laser Aiming Devices**

Especially useful when creating accurately aligned holes through multiple walls for pipe passes.



Related Product:  
Vacuum Cleaner DE25

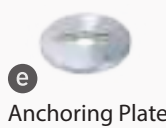


**l** VB400  
Vacuum plate:  
Fits S170, AS200, NS250,  
S350 & S500



**OPTIONAL ACCESSORIES:**

Extension Spacers



# Drilling Rigs Accessories

## Rigs

### Optional Accessories

- a** Extension Spacer 200 mm
- b** Extension Spacer 150 mm
- c** Extension Spacer 200 mm
- d** Extension Spacer 45 mm
- e** Anchoring Plate
- f** Fixing Kit  
60 mm Clamp Bracket (except S170 & AS200)
- g** Jack Screw for S250, OS250, S500
- g** Jack Screw for S800
- h** Front Handle Set for S500
- i** Laser Aiming Device 1-1/4" & 60 mm
- j** Laser Aiming Device 1/2 " BSP
- k** AS200 Water Collector Set (includes 3 membranes) Size Range: 20 - 162 mm  
Replacement membranes (5 pack)
- l** VB400 Vacuum plate (Fits S170, AS200, NS250, S350 & S500)



**g** Jack Screw



**h** Front Handle Set



# VP140 VACUUM PUMP

A vacuum pump specifically designed for use with power tools which are anchored by a vacuum base.



Vacuum Tank



Air Hose 2.5M

Model	VP140
Power Input	200 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Air Flow	30.5 l/min (1.07 cfm)
Max Vacuum	-0.9 bar (-13 psi)
Ingress Protection	IPX4
Dimensions (LxWxH)	310 x 238 x 250 mm
Weight	6.7 kg (14.8 lb)
Characteristics / Certification	<b>CE CB</b>

<b>Standard Accessories</b>
Air Hose 2.5M
<b>Optional Accessories</b>
Vacuum Tank (Includes Air Hose 1 M)

# CONCRETE GRINDERS



BG5



BG125



G5



G125



G7



G180



Ø Diameter

125 mm

125 mm

125 mm

125 mm

180 mm

180 mm

Power

■ High Frequency Brushless Motor  
■ Universal Motor





<b>MODEL / FEATURES</b>	<b>BG5</b>	<b>BG125</b>	<b>G125</b>	<b>G180</b>	<b>G5</b>	<b>G7</b>
<b>MOTOR TYPE</b>	High Frequency	High Frequency	Universal motor	Universal motor	Universal motor	Universal motor
<b>POWER</b>	2200 W	2200 W	2000 W	2000 W	2200 W	2200 W
<b>WHEEL Ø</b>	125 mm	125 mm	125 mm	180 mm	125 mm	180 mm
<b>SPINDLE</b>	M14	M14	M14	M14	M14	M14
<b>ARBOR</b>	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")	22.23 mm (7/8")
<b>SOFT START</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>OVERLOAD PROTECTION</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>THERMAL PROTECTION</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>ANTI-RESTART</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>CONSTANT SPEED</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>VARIABLE SPEED</b>	6 Speeds	6 Speeds	Variable Speed	Variable Speed	Variable Speed	Variable Speed
<b>LOAD WARNING LED</b>	Yes	Yes	Yes	Yes	No	No
<b>INGRESS PROTECTION</b>	IP55	IP55	not rated	not rated	not rated	not rated
<b>PROTECTION CLASS</b>	II	II	II	II	II	II
<b>EDGE CUT-OUT</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>SPRING SUSPENSION SKIRT</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>DUSTPROOF HALL EFFECT SWITCH</b>	Yes	Yes	Yes	Yes	No	No
<b>ADJUSTABLE HANDLE</b>	No	Yes	Yes	Yes	No	No
<b>TROLLEY COMPATIBLE</b>	Yes	No	No	No	Yes	Yes

# G5 Concrete Grinder

125 mm, high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and isolation handle mounts protect the operator from vibration. Vertical style design is especially good for grinding floors.



## Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. Tool-free sliding cover for edge grinding.
4. Effective dust control skirt with spring suspension and replaceable brush.
5. Anti-Vibration Handles isolate the operator from vibration.
6. Built-in lugs for mounting to the Floor Grinding Trolley.

**Standard/Optional Accessories See P.66**

Model	G5
Power Input	2200 W (220-240 V), 1700 W (110-120 V)
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
*No Load min <sup>-1</sup>	4500 - 9500
Wheel Diameter	125 mm (5")
Arbor	22.23 mm (7/8")
Dimensions (LxWxH)	246 x 280 x 325 mm
Weight	5.8 kg (12.7 lb)
Characteristics / Certification	

**OPTIONAL ACCESSORIES:**



Floor Grinding Trolley

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# G7 CONCRETE GRINDER

180 mm, high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and isolation handle mounts protect the operator from vibration. Vertical style design is especially good for grinding floors.



## Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. Tool-free sliding cover for edge grinding.
4. Effective dust control skirt with spring suspension and replaceable brush.
5. Anti-Vibration Handles isolate the operator from vibration.
6. Built-in lugs for mounting to the Floor Grinding Trolley.

**Standard/Optional Accessories See P.66**

Model	G7
Power Input	2200 W (220-240V) , 1700 W (110-120 V)
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
*No Load min <sup>-1</sup>	3200 - 6500
Wheel Diameter	180 mm (7")
Arbor	22.23 mm (7/8")
Dimensions (LxWxH)	246 x 280 x 325 mm
Weight	5.8 kg (12.7 lb)
Characteristics / Certification	

**OPTIONAL ACCESSORIES:**



Floor Grinding Trolley

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

## G125 CONCRETE GRINDER

125 mm, compact and high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and the LED Load Indicator allows the operator to work at peak efficiency. Angle style design for general concrete grinding tasks.



### Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
4. Waterproof and dustproof Hall-effect switch includes anti-restart function to protect operator in the event of interrupted power supply.
5. Adjustable ergonomic front handle allows clearance for edge grinding.
6. Effective dust control skirt with spring suspension and replaceable brush.
7. Tool-free sliding cover for edge grinding.

**Standard/Optional Accessories See P.66**

Model	G125
Power Input	2000 W (230-240 V), 1700 W (220-240 V), 1500 W (110-120 V)
Voltage, Frequency	230-240 V~ 50-60 Hz, 220-240 V~ 50-60 Hz, 110-120 V~ 50-60 Hz
*No Load min <sup>-1</sup>	4300 - 7200
Wheel Diameter	125 mm (5")
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 ( Specify when ordering)
Dimensions (LxWxH)	500 x 195 x 175 mm
Weight	4.7 kg (10.3 lb)
Characteristics / Certification	

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# G180 CONCRETE GRINDER

180 mm high endurance concrete grinder with excellent dust control. Variable constant speed allows versatility and the LED Load Indicator allows the operator to work at peak efficiency. Angle style design for general concrete grinding tasks.



## Features

1. Constant speed is maintained regardless of load for an even finish.
2. Variable speed for different applications.
3. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
4. Waterproof and dustproof Hall-effect switch includes anti-restart function to protect operator in the event of interrupted power supply.
5. Adjustable ergonomic front handle allows clearance for edge grinding.
6. Effective dust control skirt with spring suspension and replaceable brush.
7. Tool-free sliding cover for edge grinding.

**Standard/Optional Accessories See P.66**

Model	G180
Power Input	2000 W (230-240 V), 1800 W (220-230 V), 1500 W (110-120 V)
Voltage, Frequency	230-240 V~ 50-60 Hz, 220-240 V~ 50-60 Hz, 110-120 V~ 50-60 Hz
*No Load min <sup>-1</sup>	3500 - 5800
Wheel Diameter	180 mm (7")
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 ( Specify when ordering)
Dimensions (LxWxH)	525 x 210 x 195 mm
Weight	5.0 kg (11.0 lb)
Characteristics / Certification	

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# BG125 HIGH FREQUENCY BRUSHLESS CONCRETE GRINDER & P4K POWER CONVERTER

Angle style 125 mm concrete grinder with super-efficient, high frequency PMSM brushless motor for high performance, long life and long duty cycles. Angle style design is suitable for a wide range of concrete grinding tasks.



**P4K**



P4K Details See P.67

This gringer requires this P4K power converter to operate.

## Features

1. Constant speed is maintained regardless of load for an even finish.
2. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
3. IP55 waterproof and dustproof construction makes it ideal for grinding hazardous materials.
4. Tool-free sliding cover for edge grinding.
5. Effective dust control skirt with spring suspension and replaceable brush.
6. Adjustable ergonomic front handle allows clearance for edge grinding.
7. Hall effect switch is waterproof and dustproof. It includes anti-restart function to protect operator in the event of interrupted power supply.

## Standard/Optional Accessories See P.66

Model	BG125
Power Input	2200 W
*No Load min <sup>-1</sup>	3550 - 5350
Wheel Diameter	125 mm (5")
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 (Specify when ordering)
Ingress Protection	IP55
Dimensions (LxWxH)	455 x 200 x 175 mm
Weight	4.6 kg (10.1 lb)

Characteristics / Certification



\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# BG5 HIGH FREQUENCY BRUSHLESS CONCRETE GRINDER & P4K POWER CONVERTER

125 mm concrete grinder with super-efficient, high frequency PMSM brushless motor for high performance, long life and long duty cycles. Vertical style design is especially good for grinding floors and the isolation handle mounts protect the operator from vibration.



■ **P4K**



P4K Details See P.67

This grinder requires this P4K power converter to operate.

## Features

1. Constant speed is maintained regardless of load for an even finish.
2. LED Indicator for optimizing grinding efficiency with overload and overheat warning.
3. IP55 waterproof and dustproof construction makes it ideal for grinding hazardous materials.
4. Tool-free sliding cover for edge grinding.
5. Hall effect switch is waterproof and dustproof. It includes anti-restart function to protect operator in the event of interrupted power supply.
6. Effective dust control skirt with spring suspension and replaceable brush.
7. Anti-vibration handle mounts for fatigue free operation.
8. Built-in lugs for mounting to the Floor Grinding Trolley.

## Standard/Optional Accessories See P.66

Model	BG5
Power Input	2200 W
*No Load min <sup>-1</sup>	3850 - 5800
Wheel Diameter	125 mm (5")
Arbor	22.23 mm (7/8")
Spindle	M14 or 5/8-11 (Specify when ordering)
Ingress Protection	IP55
Dimensions (LxWxH)	235 x 290 x 235 mm
Weight	5.1 kg (11.3 lb)
Characteristics / Certification	

■ **OPTIONAL ACCESSORIES:**



Floor Grinding Trolley

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# Versatile Grinding For Professional Results



## Grinding Surfaces

For consistent, smooth and even surfaces, BG grinders are ideal for stripping epoxy or urethane resin coatings using PCD wheels. Hard concrete surfaces, whether it be walls floors or ceilings, can be comfortably and efficiently ground using soft bond diamond cup wheels.



## Profiling Surfaces

Ideal for grinding screed and tile adhesive using hard-bond diamond cup wheels. Attractive finishes can be achieved on concrete, stone or marble surfaces using the 7 adjustable speed settings of the BG5 and BG125.



## IP55 Ingress Protection

Protects both the BG5 and BG125 from water and dust ingress. Both grinders can be thoroughly washed, withstanding low pressure water jets, making them ideal for working with hazardous materials such as asbestos.

## Higher Reliability

No carbon brush changes and longer life time.

## Dust-resistant

Uniquely designed to prevent dust ingress.

## Higher Productivity

More efficient PMSM motor, reducing standard grinding time, saving effort and money.

## Adjustable speed

No carbon brush changes and longer life time.

## Clog-resistant

Grinds thinly coated materials without clogging the motor.





# Features

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## Edge Grinding

Both models have a tool-free sliding cover, allowing users to effortlessly switch between normal and edge grinding operations.



## LED Indicator

The LED indicator helps operators to optimize downward force, improving grinding efficiency by indicating normal load, maximum or exceeded full load. It also displays overheat warning for added safety.

## Uniquely Designed For **Maximum Output**



## Innovative And Dust Skirt

Innovative and effective dust skirt is held in place with automatic spring suspension, adapting to any surface.



## Anti-Vibration Mounting

Operators can use the grinders for extended periods due to the anti-vibration mounting design.



## Adjustable Handle

The G125, G180, BG125 models come equipped with an adjustable handle allowing extra clearance for edge grinding, thus improving ergonomics and operator comfort.



# Grinding Accessories

## BG125 High Frequency Brushless Concrete Grinder

Standard Accessories
Lock Nut Wrench
Face Spanner Wrench
Hex Key M6
Optional Accessories
Various Grits of Diamond Cup Wheel

## BG5 High Frequency Brushless Concrete Grinder

Standard Accessories
Lock Nut Wrench
Face Spanner Wrench
Hex Key M6
Optional Accessories
<b>a</b> Floor Grinding Trolley
Various Grits of Diamond Cup Wheel



**a** Floor Grinding Trolley

## G5 Concrete Grinder

Standard Accessories
Lock Nut Wrench
Face Spanner Wrench
Hex Key M6
Optional Accessories
<b>a</b> Floor Grinding Trolley
Various Grits of Diamond Cup Wheel

## G7 Concrete Grinder

Standard Accessories
Lock Nut Wrench
Face Spanner Wrench
M6 Hex Key
Optional Accessories
<b>a</b> Floor Grinding Trolley
Various Grits of Diamond Cup Wheel

## G125 Concrete Grinder

Standard Accessories
Lock Nut Wrench
Face Spanner Wrench
Optional Accessories
Various Grits of Diamond Cup Wheel

## G180 Concrete Grinder

Standard Accessories
Lock Nut Wrench
Optional Accessories
Various Grits of Diamond Cup Wheel

## P4K POWER CONVERTER

Air cooled 4500 W power converter with special circuitry which allows it to accept a **full range of single phase supply voltages from 100 V up to 240 V** at the maximum possible power level.

1. Converter can preset various speeds for different applications.
2. 4500 W power converter with special circuitry which allows it to accept single phase 100 V to 240 V and converts it to 3 phase, high frequency to control the motor.
3. Converter with built-in PRCD has full electronic protection for over and under voltage, thermal and current overload.
4. LCD Information Display shows voltage, error codes, and elapsed hours.



**Application: BG125, BG5**

Model	P4K
Voltage	100 V-240 V~ 50-60 Hz
Max. Power Input	1~ 4500 W
Max. Power Output	3~ 4000 W
Ingress Protection	IP55
Weight	3.1 kg (6.9 lb)

## P8K POWER CONVERTER

Water cooled 8000 W power converter with special circuitry which allows it to accept **3 phase 380 V and single phase 230 V** supply at the maximum possible power level.

1. Built-in PRCD has full electronic protection for over and under voltage, thermal and current overload supplies high frequency current to the tool.
2. LCD Information Display shows voltage, elapsed hours, error codes, etc. 3 phase power supply cable.
3. Adaptor for single phase supply included. (maximum 16A)



**Application: C406, C18, R16, CS18**

Model	P8K
Power Input (maximum)	3Ø~380-480 V : 16A 8000 W 1Ø~200-240 V : 32A 7000 W
Min. Water Flow (25°C)	3.5 L/min (1 gpm)
Max. Water Pressure	7 bar (100 psi)
Dimensions (LxWxH)	460 x 220 x 260 mm
Weight	7.3 kg (16.1 lb)

# LG125 LONG-REACH CONCRETE GRINDER

125 mm long reach grinder for grinding and polishing concrete. A unique tool which allows the operator to grind walls, ceilings, and other hard-to-reach areas with unprecedented ease, while collecting the dust at the same time.



## Features

1. Versatility with variable speed adjustment.
2. Motor with soft start & constant speed electronics.
3. Swiveling Bayonet Hose Connector for convenient dust collection.
4. 2-Axis Pivoting Grinding Head with Dust Shroud easy to guide smoothly over the work surface.
5. Soft Grip on column for operator comfort.

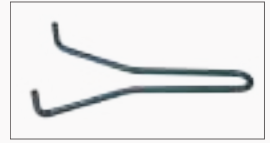
**Standard/Optional Accessories See P.69**

Model	LG125			
Power Input	1200 W	Arbor	22.23 mm (7/8") or 25.4 mm (1")	
Voltage, Frequency	220-240 V~ 50-60 Hz or	Length	1475 mm	
	110-120 V~ 50-60 Hz	Max. Capacity	125 mm	
*No Load min <sup>-1</sup>	1700-3500	Spindle	M14 or 5/8 -11	
Dimensions (LxWxH)	1475 x 197 x 365 mm		Soft Start & Overload Protection	With
Net Weight	3.8 kg (8.4 lb) ( Not including Diamond Cup Wheel)	Characteristics / Certification		

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# LG125 Long-Reach Concrete Grinder

Standard Accessories	
<b>b</b>	Vacuum Hose 4 M
	Carry Bag
	Bail Handle
<b>a</b>	Face Spanner Wrench-78 mm
	M17 Wrench
	Hex Key M6
<b>d</b>	125 mm Diamond Cup Wheel
<b>c</b>	Aluminum Backing Pad



**a** Face Spanner Wrench



**b** Vacuum Hose 4m



**c** Aluminum Backing Pad



**d** Diamond Cup Wheel

## Diamond Cup Wheels

125 mm (5") For SM5, G5, SM125, LG125 Series	
#60/80 Grit	22.2 mm (7/8")
#100/120 Grit	22.2 mm (7/8")
180 mm (7") For SM7 Series	
Flanges	22.2 mm (7/8")
Flanges	25.4 mm (1")
Female Thread	M14

## Replacement Flanges

Outer Flange	22.2 mm (7/8")	M14
Outer Flange	22.2 mm (7/8")	5/8"
Outer Flange	25.4 mm (1")	M14
Outer Flange	25.4 mm (1")	5/8"
Inner Flange (for both 1" & 7/8")		M14
Inner Flange (for both 1" & 7/8")		5/8"

## CG125 WALL CHASER

A light and convenient wall chaser with a maximum depth of 40 mm and cutting width up to 35 mm. Features outstanding dust control.



## CG150 WALL CHASER

A powerful wall chaser specially designed for dust control with a maximum depth of 50 mm and cutting width up to 47 mm. Can run 5 blades for chasing in one step, with virtually no chiseling required afterwards. Features an optional efficient guide rail system.





Optional quick set-up Guide Rail System provides maximum operator convenience and minimizes human error.

Guide rail support Set

Guide rail



2 blades

5 blades

9



10

**Features**

1. Smart Electronic Control for constant speed, soft start, overload and thermal protection.
2. LED load indicator indicates load conditions.
3. Multi-location wheels for constant support over irregular surfaces.
4. Large switch for holding in various positions.
5. Adjustable cutting depth limiter.
6. Quick-opening blade guard and tool-free arbor screw for fast and easy blade changes.
7. Hall Effect Type Switch is impervious to dust or water.
8. Built in laser helps operator to produce a straight cut each time. (CG150)
9. Includes spacers for both 2 and 5 blade chasing. (CG150)
10. Tool free blade changes.

**Standard/Optional Accessories See P.74**

<b>Model</b>	CG125		
Power Input	1700W(110-120V), 1800W(220-240V)	Depth of Cut control system	With
*No Load min <sup>-1</sup>	9000	Rotatable dust collection system	With
Max. Blade Diameter	Ø125 mm	Soft Start / Overload Protection	With
Max Depth of Cut	40 mm	Thermal Protection	With
Max Channel Width	35 mm	Constant Speed	With
Dimensions (LxWxH)	365 x 151 x 247 mm	Characteristics / Certification	
Weight	4.7 kg (10.4 lb)		

<b>Model</b>	CG150		
Power Input	2500 W (220 V), 2300 W (110 V)	Cut to Ceiling	25 mm
Voltage, Frequency	220-240 V~ 50-60 Hz, 110-120 V~ 50-60 Hz	Cut to Edge	28 mm
*No Load min <sup>-1</sup>	6500	Blade bore size	22.23 mm (7/8")
Max. Blade Diameter	Ø150 mm	Soft Start / Overload Protection	With
Max Depth of Cut	50 mm	Thermal Protection	With
Max Channel Width	47 mm	Constant Speed	With
Dimensions (LxWxH)	365 x 220 x 288 mm	Characteristics / Certification	
Weight	7.2 kg (15.8 lb)		

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# CS125N WALL CHASER

125 mm wall chaser with 30 mm depth of cut and 45 mm maximum channel width. Clockwise blade rotation. 1500 W motor with constant speed electronics for consistent performance.



**CS125N (Spacers Model)**



## Features

1. 1500 W motor with electronic constant speed, soft start, and overload protection.
2. Vacuum Port Swivels 360° .
3. Ergonomic handle in line with the blades for control.
4. Steel Rollers for durability.
5. Adjustable depth of cut for precise channel dimensions.
6. Pivoting safety cover for dust control and safety.

**Standard/Optional Accessories See P.74**

Model	CS125N		
Power Input	1500 W	Bore	22.2 or 30 mm
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	Soft Start / Overload Protection	With
*No Load min <sup>-1</sup>	6500	Channel Width	8-45 mm
Max. Blade Diameter	125 mm	Dimensions (LxWxH)	378 x 221 x 196 mm
Max. Cutting Depth	30 mm	Weight	4.4 kg (9.7 lb)
Blade Bore Size	22.2 mm (7/8")		

Characteristics / Certification  Only 220 V Only 220 V

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.



# CS180 WALL CHASER

A 180 mm wall chaser with 52 mm depth of cut and 51 mm maximum channel width. 1800 W motor with overload protection.



## Features

1. 1800 W motor with smart electronic overload and externally accessible brushes.
2. Dust shroud gives extra dust protection at the beginning of the cut.
3. Sighting Notches.
4. Rollers for smooth cutting action.
5. Depth Scale.

## Standard/Optional Accessories See P.74

Model	CS180		
Power Input	1800 W	Channel Width	9~51 mm (3/8~2")
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	Soft Start / Overload Protection	With
No Load min <sup>-1</sup>	4360	Dimensions (LxWxH)	410 x 317 x 267 mm
Max. Blade Diameter	180 mm (7")	Weight	7.7 kg (16.9 lb)
Max. Cutting Depth	15~52 mm (9/16~2-3/64")		

Characteristics / Certification



# Wall Chaser Accessories

## CG125 Wall Chaser

### Standard Accessories

Spacer Set

Side Handle

- a 125 mm Diamond Saw Blade (Universal)



a Diamond Saw Blade (Universal)

## CG150 Wall Chaser

### Standard Accessories

Spacer Set

Chisel

- a 150 mm Diamond Saw Blade (Universal) x2

- f Blow Molded Case

### Optional Accessories

- c Guide rail

- d Guide rail support Set

- b 150 mm Diamond Saw Blade (Hard Material)



b Diamond Saw Blade (Hard Material)

## CS125N Wall Chaser

### Standard Accessories

Side Handle

4 mm T-Handle Hex Wrench

Vacuum Hose End Adaptor

6 mm L-Hex Wrench

- e Spacers

40 mm x 22.2 mm x 6 mm (x2)

40 mm x 22.2 mm x 4 mm (x1)

40 mm x 22.2 mm x 10 mm (x1)

40 mm x 22.2 mm x 15 mm (x1)

### Optional Accessories

125 mm Diamond Blade



c Guide rail



d Guide rail support Set



e Spacers

## CS180 Wall Chaser

### Standard Accessories

Side handle

Hex. Wrench M10

Vacuum Hose End Adaptor

- e Spacers:

49.6 mm x 22.2 mm x 5 mm (x2)

49.6 mm x 22.2 mm x 10 mm (x1)

49.6 mm x 22.2 mm x 12 mm (x1)

49.6 mm x 22.2 mm x 15 mm (x1)

Plastic Carry Case

### Optional Accessories

Wall Chaser Diamond Blades ( each machine requires 2 pcs )

**Diameter:** 180 mm **Thickness:** 1.6 mm **Arbor:** 22.23 mm (7/8")



f Blow Molded Case

# HS225 HAND-HELD DRYWALL SANDER

1200 W sander uses 225 mm (10") mesh sanding discs for clog-free sanding.



Dust Hood with half-moon door



Bayonet Adaptor End

## Features

1. 1200 W motor with variable electronic constant speed control.
2. Designed to work with hook & loop sanding mesh discs for truly dust-free and clog-free sanding.
3. Speed Control Thumb Wheel for adjusting to suit various materials and grits.
4. Effective dust collection system with swiveling bayonet mount.
5. Dust Hood with halfmoon door to even sand into corners.
6. Ergonomic Bail Handle.
7. Bayonet Adaptor End.

**Standard/Optional Accessories See P.79**

Model	HS225		
Power Input	1200 W	Soft Start	With
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz		Dimensions (LxWxH)
*No Load min <sup>-1</sup>	650 - 1450	Weight	515 x 258 x 214 mm
Sanding Disc Diameter	225 mm		3.0 kg (6.6 lb)

Characteristics / Certification

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# SB9 HIGH FREQUENCY BRUSHLESS DRYWALL SANDER

Ultra-light, super-efficiency, 225 mm drywall sander for maximizing productivity with minimum fatigue. Maintenance-free design. Corded brushless high frequency motor for outstanding performance.



Built-In Half-Moon Door



## Features

1. Ultra High Efficiency Brushless High Frequency Motor for unprecedented lightness.
2. Constant Speed Electronics for an even finish.
3. Direct drive motor does not need a flex shaft, making it maintenance free.
4. Speed adjusts to suit conditions for best sanding results.
5. Swiveling Bayonet Hose Coupling for freedom of movement.
6. Digital LED Information Display indicates speeds, elapsed hours, and error codes .
7. Built-In Half-Moon Door for edge sanding and Edge Cut-Out is fully adjustable to any angle needed.
8. Integrated Converter allows a wide range of voltages, and even performs well when using long extension cords.

**Standard/Optional Accessories See P.79**

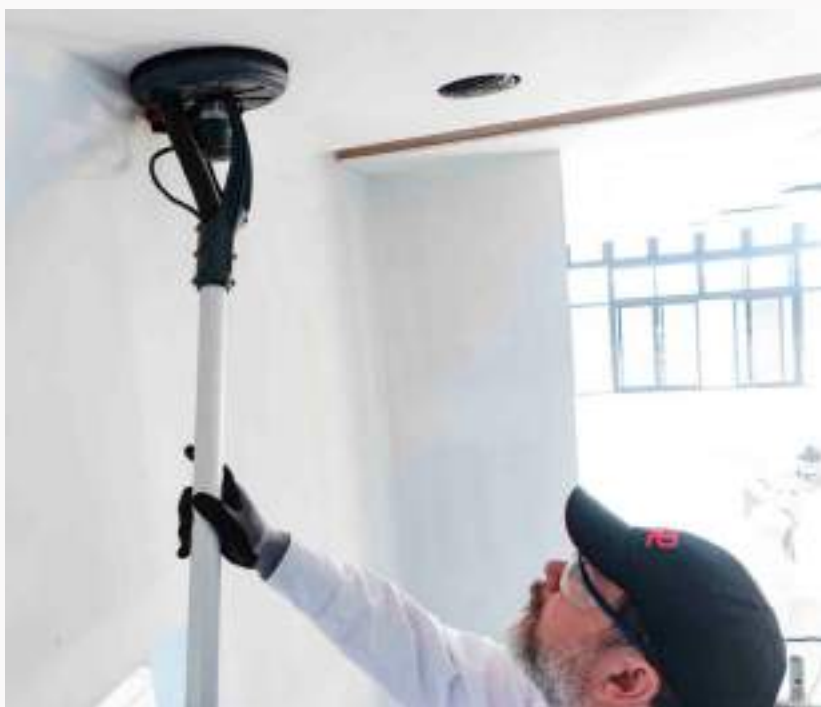
Model	SB9		
Power Input	450 W	Soft Start	With
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	Dimensions (LxWxH)	1430 x 254 x 157 mm
*No Load min <sup>-1</sup>	1000-1600	Weight	2.8 kg (6.2 lb)
Sanding Disc Diameter	ø225 mm (8-7/8")	Insulation Class	Class I
Characteristics / Certification			

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# The Lightest In The World. Greater Productivity With Ease.



SB9 Introduction Video



# GS9FSE & GS9FE DRYWALL SANDER

A light weight and balanced sander, with pivoting sanding head and effective dust control, The long reach design allows easy sanding of walls and ceilings.



Vacuum Hose 4M  
w/ Bayonet Adaptor

## Features

1. Bail Handle for effective control.
2. Sponge Grip on column and Soft Grip on main handle for comfort.
3. Speed Adjustment to suit various materials and sanding grits.
4. Swiveling Bayonet Hose Connector allows freedom of movement.
5. Optional Hose Protector prevents hose from being crushed.

### Standard/Optional Accessories See P.79

Model	GS9FSE	GS9FE
Power Input	550 W	550 W
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	650 - 1800	650 - 1800
Full Load min <sup>-1</sup>	380 - 1040	380 - 1040
Grinding Disc	ø225 mm (8-7/8 in.)	ø225 mm (8-7/8 in.)
Soft Start	With	With
Dimensions (LxWxH)	1058 x 260 x 310 mm	1580 x 260 x 350 mm
Net Weight	3.8 kg (8.4 lb)	4.7 kg (10.4 lb)
Characteristics / Certification		

# Drywall Sander Accessories

## HS225 Hand-Held Drywall Sander

Standard Accessories
Bayonet Adaptor End (for connecting to your vacuum hose )
Plastic Carry Case



**a** Hook & Loop Sponge Backing Pad

## SB9 Brushless Drywall Sander

Standard Accessories
<b>g</b> Carry Bag
<b>a</b> Hook & Loop Sponge Backing Pad
Optional Accessories
<b>f</b> 225 mm Mesh Dustless Sanding Discs - various grits
Vacuum Hose 4M w/ Bayonet Adaptor
Extension Bar



**b** Vacuum Hose w/ Bayonet Adaptor

## GS9FSE & GS9FE Drywall Sander

Standard Accessories
<b>b</b> Vacuum Hose 4M
<b>d</b> Bail Handle
Carry Bag
<b>c</b> Velcro Strap
Optional Accessories
<b>e</b> Hose Protector
Overload Protection



**c** Velcro Strap



**d** Bail Handle

## Drywall Sander Optional Accessories

Optional Accessories
<b>f</b> 225 mm 9" Fabric Mesh Dustless Sanding Discs
Sanding Discs #80
Sanding Discs #100
Sanding Discs #120
Sanding Discs #150
Sanding Discs #180
Sanding Discs #220
<b>b</b> Vacuum Hose 4M w/ Bayonet Adaptor
<b>c</b> Velcro Straps for securing the cable to the hose
<b>e</b> Hose Protector
<b>a</b> Hook & Loop Sponge Pad Black-White w/ 6 Holes (one side loop-one side hook)



**e** Hose Protector



**f** 225 mm 9" Fabric Mesh Dustless Sanding Discs



**g** Carry Bag

# H35, H35S, H42, H42S HIGH FREQUENCY INTEGRATED CONCRETE VIBRATORS

High performance and durable high frequency concrete vibrators with integrated converter for the fastest possible concrete compaction. Excellent for challenging situations like moving a stiff mix into corners and around rebar. Available in long and short hose lengths, giving maximum versatility.



## Features

1. High frequency motor mounted directly in the vibrator head with hardened steel casing and heavy-duty bearings.
2. 400 Hz motor for higher efficiency and lighter weight than competitors' 200 Hz motors.
3. Sophisticated converter electronics protect the motor from overload and protect from over or under voltage. Special electronics allow the same unit to be used with either 110 or 220 V supply. There is no need for a separate converter - just plug directly into the outlet.
4. External aluminum heat sink for maximum cooling and easy cleaning.
5. Available with band clamp type hose attachment upon request. (Press-fit type hose attachment is standard).
6. Reinforced Cable Support Strap protects power supply cable.

## Standard/Optional Accessories See P.82

Model	H35S	H35	H42S	H42
Power Input	1000 W	1000 W	1200 W	1200 W
Voltage	100-240 V ~ 50-60 Hz			
Vibration Rate	13,500 VPM	13,500 VPM	12,500 VPM	12,500 VPM
Motor Frequency	400 Hz			
Centrifugal Force	1301 N	1301 N	2489 N	2489 N
Vibrator Head Size	ø35 mm x 314 mm	ø35 mm x 314 mm	ø42 mm x 300 mm	ø42 mm x 300 mm
Hose Size	ø30 mm x 0.85 m	ø30 mm x 6 m	ø36 mm x 0.85 m	ø36 mm x 6 m
Ingress Protection / Insulation Class	IPX7 / Class I			
Switch box Dimensions (LxWxH)	250 mm x 60 mm x 170 mm			
Net Weight	4.1 kg (9.0 lb)	7.4 kg (16.3 lb)	5.3 kg (11.6 lb)	9.5 kg (20.9 lb)



# VR600 & VRN1400 CONCRETE VIBRATORS - CABLE DRIVEN

Compact cable driven vibrators with universal motor for concrete compaction.



## Features

1. Direct drive universal motors.
2. High amplitude vibrator head.
3. Heavy-duty, kink-resistant flex shaft.
4. Externally accessible brushes for easy maintenance.

### Standard/Optional Accessories See P.82

Model	VR600	VRN1400
Power Input	3 A (220-240 V), 5.5 A (110-120 V)	8.4 A (220-240 V), 14.8 A (110-120 V)
Power Output	330 W	1200 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	20,000	16,000
Vibration Rate	14,000 vpm	16,000 vpm
Applicable Vibrator Shaft Types	AZ017, AZ013	AZ013, AZ014, AZ015, AZ017, AZ018, AZ019
Soft Start	Without	With
Dimensions (LxWxH)(Motor unit only)	375 x 270 x 160 mm	290 x 234 x 243 mm
Net Weight (Motor unit only)	2.5 kg (5.5 lb)	4.2 kg (9.3 lb)
Characteristics / Certification		

# Concrete Vibrator Accessories

## H35, H35S, H42, H42S

### High Frequency Integrated Concrete Vibrators

Standard Accessories
PRCD / GFCI Interrupter x1
Optional Accessories
* Custom hose lengths available according to customer request
* Band clamp type hose attachment available according to customer request

## VR600 & VRN1400

### Concrete Vibrators - Cable Driven

Standard Accessories (VR600)
Side Handle
Standard Accessories (VRN1400)
Side Handle
Support Strap

Optional Accessories (VR600)
Concrete Vibrator Shafts - Flexible Type (Please indicate desired shaft when ordering.)
Dia. ø30 mm x 1020 mm (M40 x P1.5)
Dia. ø30 mm x 1800 mm (M40 x P1.5)
Optional Accessories (VRN1400)
Concrete Vibrator Shafts - Flexible Type (Please indicate desired shaft when ordering.)
Dia. ø30 mm x 1020 mm (M42 x P1.5)
Dia. ø30 mm x 1800 mm (M42 x P1.5)
Dia. ø30 mm x 3020 mm (M42 x P1.5)
Dia. ø39 mm x 1000 mm (M42 x P1.5)
Dia. ø39 mm x 1780 mm (M42 x P1.5)
Dia. ø39 mm x 3000 mm (M42 x P1.5)

**ELECTRIC MIXERS**    **EV32 - 105 mm**    **EV52 - 140 mm**  
**EV42 - 120 mm**    **EV160 - 160 mm**

Electric mixers with revolutionary ergonomic design and sturdy mechanicals.



**Features**

1. Electronic speed control thumb wheel (for EV42 and above) allows the operator to adjust the speed without taking his hands off the handles.
2. externally accessible brushes for easy maintenance.
3. 2-Speed Gear Box Selector Slider. (for EV52 & EV160)
4. Compound curved handle gives extra strength and ideal ergonomic hand position.
5. Cut-away handle for unobstructed view of work material.
6. Soft, non-slip TPR with textured surface for operator comfort.
7. Staggered Vent Louvers protects motor from dust ingress.

**Standard/Optional Accessories See P.85**

Model	EV32	EV42	EV52	EV160
Power Input	800 W	1100 W	1300 W	1600 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz			
No Load min <sup>-1</sup>	750	250-700	150-400 / 250-700	180-350 / 280-550
Torque (Low Gear / High Gear)	6.0 Nm	11.0 Nm	27.4 / 17.3 Nm	42.7 / 29.9 Nm
Number Of Gears	1	1	2	2
Current (110V)	7.2 A	10.0 A	11.8 A	14.5 A
Current (230V)	3.6 A	4.8 A	5.7 A	7.0 A
Spindle Thread	M14-2.0			
Mixing Paddle (Max.)	105 mm (4-1/8")	120 mm (4-11/16")	140 mm (5-1/2")	160 mm (6-5/16")
Electronic Speed Control	N/A	With	With	With
Dimensions (LxWxH) (Motor unit only)	322 x 250 x 190 mm	322 x 312 x 190 mm	345 x 322 x 190 mm	350 x 322 x 190 mm
Net Weight	2.9 kg (6.1 lb)	3.6 kg (7.9 lb)	4.1 kg (9.0 lb)	5.6 kg (12.4 lb)
Characteristics / Certification	CE CB Only 220 V    Only 220 V	CE CB Only 220 V    Only 220 V	CE CB Only 220 V    Only 220 V	CE CB Only 220 V    Only 220 V

# EV10ELM & EVP180 & EV21 1/2" DRILL / MIXERS

Sturdy tools which can be used as a mixer as well as a heavy-duty 1/2" drill.






**EV10ELM**



**EVP180**



**EV21**

Model	EV10ELM	EVP180	EV21
Power Input	1100 W	1100 W	1100 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz		
No Load min <sup>-1</sup>	0~750	750	800
N-m (Low Gear / High Gear)	12.6	12.6	12.6
Spindle Thread	M14-2.0	1/2"-20 UNF	1/2"-20 UNF
Max. Mixing Paddle Diameter	120 mm (4-11/16")		
Drilling Capacity	Steel	N/A	13 mm (1/2")
	Wood	N/A	35 mm (1-3/8")
Switch	Variable Speed	Single Speed	Single Speed
Dimensions (LxWxH) (Motor unit only)	475 x 380 x 225 mm	390 x 100 x 130 mm	300 x 95 x 410 mm
Net Weight	4.8 kg (10.6 lb)	3.1 kg (6.8 lb)	2.9 kg (6.4 lb)
Characteristics / Certification	 <small>Only 220 V Only 220 V</small>	 <small>Only 220 V Only 220 V</small>	

# MIXING PADDLES OPTIONAL ACCESSORY SPECIFICATIONS

Hex. M14



Description	Diameter	Length	Mount	Part Number
TT Series 2 Helix (General Purpose ), Suitable for a wide range of uses.	120 mm	575 mm	M14	302-04155-905-001
	140 mm	590 mm	M14	302-04155-905-011
	160 mm	590 mm	M14	302-04155-905-004



TV Series 2 Helix (General Purpose), Like the TT series .	90 mm	400 mm	Hex.	302-04155-905-003
	120 mm	590 mm	Hex.	302-04155-905-015



TU Series 3 Helix (High Viscosity) Positive Twist (Pulls from the bottom up) For the highest viscosity materials.	120 mm	590 mm	M14	302-04155-905-007
	140 mm	590 mm	M14	302-04155-905-012
	160 mm	590 mm	M14	302-04155-905-008



TS Series 3 Helix (High Viscosity) Negative Twist (Pushes from the top down). Anti-splash effect.	120 mm	590 mm	M14	302-04155-905-018
	140 mm	590 mm	M14	302-04155-905-019
	160 mm	590 mm	M14	302-04155-905-009



Double Mixer-Left Hand	125 mm	650 mm	Hex. Quick Release	302-04155-905-006
Double Mixer-Right Hand	125 mm	650 mm	Hex. Quick Release	302-04155-905-005



Round Bar 2 Helix (Low Load- High Speed)	105 mm	575 mm	M14	302-04155-905-002
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Gate Type- (Low-Speed) Hex	6"	29"	Hex.	302-04155-905-013
Gate Type- (Low-Speed) M14	6"	29"	M14	302-04155-905-014



Anti-stick paddle. Excellent for avoiding lumps when mixing fine powders	120 mm	630 mm	M14	302-04155-905-016
--------------------------------------------------------------------------	--------	--------	-----	-------------------



Stainless steel, suitable for food processing.	125 mm	650 mm	M14	302-04155-905-017
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## EV32/EV42/EV52/EV160 Electric Mixers

### Standard Accessories

- Wrench 22 mm
- Mixing Paddle with 2 Helix
- Soft Start on models EV42, EV52 & EV160

### Optional Accessories

- Mixing Paddles

## EV10ELM EVP180 & EV21 1/2" Drill Mixers

### Standard Accessories

- Wrench M22 (EV10ELM Only)
- Wrench M13 (EV10ELM only)
- M6 L-Hex Key (EV10ELM only)
- M14 Adaptor (EVP180, EV21 only)
- 13mm Chuck & Chuck Key (EVP180, EV21 only)

### Optional Accessories

- Mixing Paddles
- Variable Speed Switch (EV10ELM only)
- Soft Start (EV21 only)

## DE25 & DEP25 WET/DRY VACUUM DUST EXTRACTORS

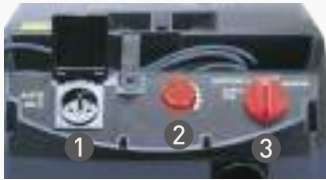
Purpose-built, 25 liter vacuums to work in conjunction with our power tools. The DE25 has integrated electric switching with tools up to 2200 W. The DEP25 has integrated pneumatic switching for air tools. Automatic electromagnetic filter shaker. High output 1200 W motor with bypass cooling.



### Features

1. Compact design with optimized balance for ease of movement around the worksite or on stairs.
2. 2-stage filter system with 25 Liter Dust Compartment.
3. Quick-release catches on dust compartment for convenient clearing of dust. Easy conversion between wet and dry modes.
4. Lockable rear wheels. Large diameter wheels easily roll across worksite debris and irregularities.
5. Handy cable storage with strap.
6. Front and rear hand-holds for convenient transporting.
7. Blower port.

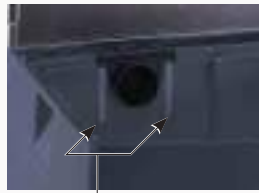
Model	DE25	DEP25 (Pneumatic Switching Version)
Power Input	1200 W	
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
Max. Airflow	4000 l/min (141.3 CFM)	
Max. Suction (lift)	25 kpa (250 mbar, 100.4 inches of water)	
Protection	IP X4	
Max. Dust Capacity	25 L (6.6 gallons)	
Max. Connected Power Tool	2200 W	
Soft Start	With	
Dimensions (LxWxH)	598 x 408 x 420 mm	
Net Weight	12.9 kg (28.4 lb)	12.9 kg (28.4 lb)
Characteristics / Certification		



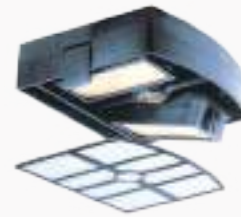
- ① Integrated Switching: Just pull the trigger of your power tool to automatically switch the vacuum on or off. When shutting off, suction continues for a few seconds to clear the hose of dust
- ② Variable Motor Speed Control. To tailor the suction to various applications and tools
- ③ Multi-mode switch for standard switch or power tool integrated switching



- **Pneumatic Switching Model DEP25**
- ④ Multi-mode switch for standard switch, power tool integrated switching, or air tool integrated switching. For integrated switching triggered by your air sander **Remark:** Min. Pressure : 3 bar



Liquid overflow switch shuts off machine when liquid level gets too high



High efficiency, 2-stage filter system



Convenient quick-release strap for stowing the hose

## DE25 & DEP25 Wet/Dry Vacuum Dust Extractors

### Standard Accessories

- a Vacuum Hose ( 4M )
- b Pleated Main Filters ( L Class )  
Washable Diaphragm Filter
- c Cloth Dust Bag with Hook & Loop Closure

### Optional Accessories

- b Pleated Main Filters ( M Class )
- d Wet Filters x1 ( Each machine requires 2 pcs )
- e Vacuum Hose End Adaptor
- f Paper Dust Bag
- g Handle ( 32 mm )
- g Crevice Nozzle ( 32 mm )
- g Floor Nozzle ( 32 mm, Horse Hair )
- g Round Brush ( PP Hair, 32 mm )
- g Chrome Telescopic Tube ( 32 mm, 48/78 cm )



a Vacuum Hose



c Cloth Dust Bag with Hook & Loop Closure



e Vacuum Hose End Adaptor



- g 1. Handle ( 32 mm )
- g 2. Crevice Nozzle ( 32 mm )
- g 3. Floor Nozzle ( 32 mm, Horse Hair )
- g 4. Round Brush ( PP Hair, 32 mm )
- g 5. Chrome Telescopic Tube ( 32 mm, 48/78 cm )



b Pleated Main Filters



d Wet Filters



f Paper Dust Bag

# MAGNETIC DRILLS







Model	Max. Capacity	Cutters	Twist Drills	Taps	Max. Capacity	Cutters	Twist Drills	Taps
PMD3550	35mm	Ø35 x L35 mm	—	—	50mm	Ø50 x L50 mm	Ø13 x L140 mm	—
TP2000	35mm	Ø35 x L50 mm Ø13 x L135 mm	—	20 mm	50mm	Ø50 x L50 mm Ø20 x L150 mm	Ø13 x L140 mm	20 mm
MD300N ○ Hand Feed ● Auto Feed	35mm	Ø35 x L50 mm Ø30 x L45 mm	—	—	50mm	Ø50 x L50 mm	Ø13 x L140 mm	—
SMD351L SMD351H	35mm	Ø35 x L50 mm	Ø13 x L140 mm	—	50mm	Ø50 x L50 mm	Ø13 x L140 mm	—
SMD352	35mm	Ø35 x L50 mm	Ø13 x L140 mm	—	65mm	Ø65 x L75 mm	Ø16 x L115 mm	—
SMD502	50mm	Ø50 x L50 mm	Ø13 x L140 mm	—	75mm	Ø75 x L50 mm	Ø32 x L150 mm	25.4 mm
ST50	50mm	Ø50 x L50 mm	Ø20 x L150 mm	20 mm	120mm	Ø120 x L50 mm	Ø32 x L200 mm	32 mm
MD500/2	65mm	Ø65 x L75 mm	Ø16 x L115 mm	—	—	—	—	—
MD750/4 MD5750/4	75mm	Ø75 x L50 mm	Ø32 x L150 mm	25.4 mm	—	—	—	—
MD120/4	120mm	Ø120 x L50 mm	Ø32 x L200 mm	32 mm	—	—	—	—

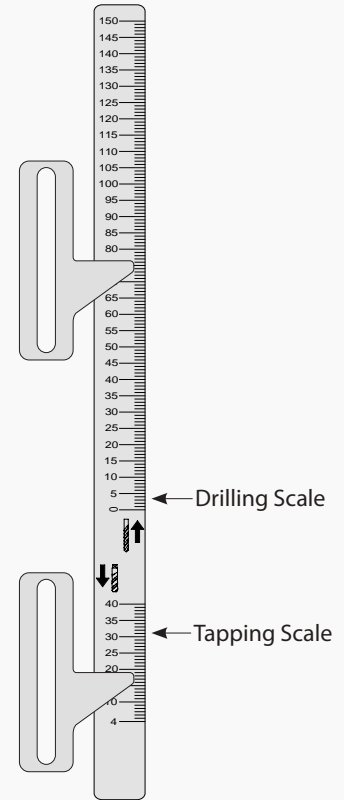








# TP2000 MAGNETIC TAPPING & DRILLING MACHINE

A patented, versatile, 1100 W magnetic tapping & drilling machine. Specially designed, two-mode gearbox with one setting for tapping with auto-reverse, and another setting for standard drilling. Convenient quick-release Bilz no.2 type coupling system.



#### ④ Depth Meter (for blind holes)



Model	TP2000
Power Input	1100 W
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz
Tapping Mode: No / Full Load Speed min <sup>-1</sup>	150 (90) (350 in reverse)
Drilling Mode: No / Full Load Speed min <sup>-1</sup>	550 (330)
Spindle Coupling	31 mm (Bilz no. 2)
Annular Cutter Arbor	Set Screw Type, 19.05 mm (3/4") Weldon Shank
Capacity, Taps: Ø	20 mm (13/16")
Capacity, Cutters: Ø x Depth of Cut	35 mm x 50 mm (1-3/8" x 2")
Capacity, Twist Drills (≤ 1/2" shank): Ø x Depth of Cut	13 mm x 135 mm (1/2" x 5-5/16")
Magnetic Adhesion	15,000 N
Net Weight	14.4 kg (31.8 lb)
Characteristics / Certification	     



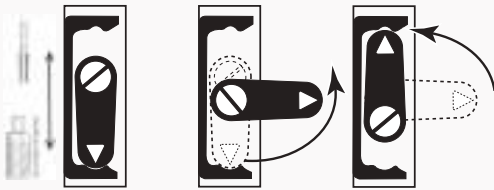
- ① Large Range Clamp Collet (Not Included)
- ② Universal Tap Chuck
- ③ Tap (Not included)
- ④ Coolant Feed Spring And Seal
- ⑤ Pilot Pin (Not included)
- ⑥ Annular Cutter Arbor 3/4" (19.05mm) Weldon Shank
- ⑦ Annular Cutter (Not included)
- ⑧ 1/2" Twist Drill Chuck
- ⑨ Drill Chuck Arbor
- ⑩ Quick-Release Collar

**Mode Selector**

**Auto-Reverse Tapping Mode**

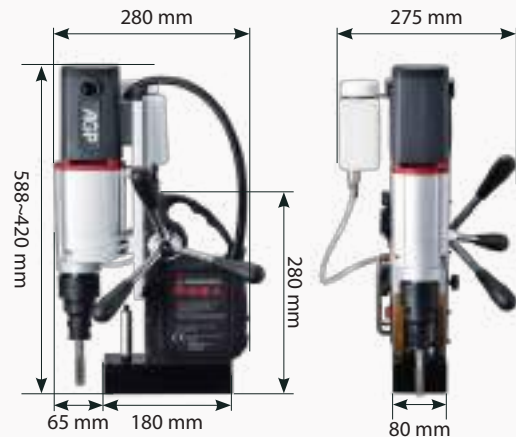
Drilling Mode

Tapping Mode



Annular Cutter Arbor  
(Annular cutter and pilot pin not included)

Drill Chuck Arbor



**Features**







1. 2 mode gear box with mechanical clutch for optimized torque and cutting speed.
2. Mode Selector for shifting between Auto-Reverse Tapping Mode or Standard Drilling Mode.
3. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.
4. Depth Meter.
5. Travel Limiter Stop.

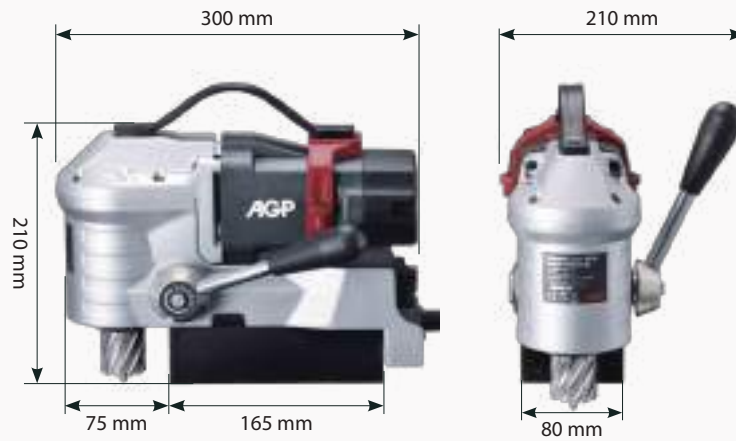
**Standard/Optional Accessories See P.104**

## PMD3530 LOW PROFILE AGNETIC DRILL

A low-profile single speed 1100 W magnetic drilling machine for up to Ø 35 x 35 mm standard sized cutters. It's compact size fits into 198 mm vertical spaces. The LED work light is very useful in dark work areas.



Model	PMD3530
Power Input	1100 W
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz
No Load (Rated Load) Speed min <sup>-1</sup>	650 (390)
Max. Capacity Ø x Depth of Cut	35 mm x 35 mm (1-3/8" x 1-3/8")
Cutter Shank	19.05 mm (3/4") Weldon
Magnetic Adhesion	15,000 N
Net Weight	10.5 kg (23.2 lb)
Characteristics / Certification	     



**Features**

1. 1 speed gear box with mechanical clutch for optimized torque and cutting speed.
2. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.
3. The adjustable tool-free lever can mount on either side.
4. LED light for working in dark space.
5. Ergonomic handle for convenient carrying.

**Standard/Optional Accessories See P.104**

# MD300N AUTO FEED MAGNETIC DRILL

A 1100 W electronically optimized automatic feed magnetic drilling machine with manual return for core drilling up to 30 mm diameter. Saves time and allows longer cutter life.

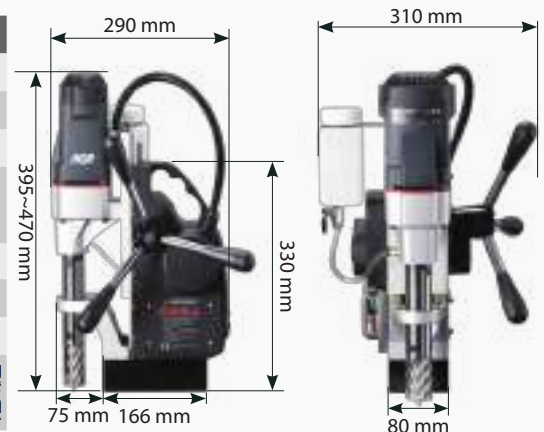


## Features

1. Auto feed saves time and maximizes productivity.
2. Dual-Purpose Crank Lever for switching between manual and auto feed.
3. 3 Position Feed Rate Selector for optimized auto feed.
4. Arbor Support bracket cutter stability.

**Standard/Optional Accessories See P.104**

Model	MD300N
Power Input	1100 W
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz
No Load (Rated Load) Speed min <sup>-1</sup>	550 (330)
Max. Capacity of Cutters	Ø x Depth of Cut (Hand Feed) 35 mm x 50 mm (1-3/8" x 2") Ø x Depth of Cut (Auto Feed) 30 mm x 45 mm (1-3/16" x 1-3/4")
Overload Protection	With
Magnetic Adhesion	15,000 N
Net Weight	15.9 kg (35.1 lb)
Characteristics / Certification	



# SMD351L & SMD351H

## VARIABLE SLIDE MAGNETIC DRILLS WITH QUICK-RELEASE ARBOR

Single speed 1100 W magnetic drilling machine for annular cutters up to Ø 35 x 50 mm and twist drills up to 1/2" shank. Features quick-release arbor and adjustable slide height. The speed of the SMD 351L is optimized for HSS cutters, and the SMD 351H is optimized for TCT cutters.



**TWIST DRILLING**



### Features

1. A versatile and economical tool that fulfills the needs of most operators.
2. The quick-adjustable variable height slide allows quick conversion between cutters and twist drills. Lower for cutters, raise for twist drills.
3. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.

**Standard/Optional Accessories See P.104**

Model	SMD351L	SMD351H
Power Input	1100 W	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No / Full Load (Rated Load) Speed min <sup>-1</sup>	450 (270)	730 (440)
Ø x Depth of Cut of Cutters	35 mm x 50 mm (1-3/8" x 2")	
Max. Capacity Ø Twist Drills	≤ 1/2" shank	
Stroke	140 mm (5-1/2")	
Overload Protection	With	
Magnetic Adhesion	17,000 N	
Net Weight	14.3 kg (31.5 lb)	
Characteristics / Certification		



# SMD352 & SMD502

## TWO SPEED, VARIABLE SLIDE MAGNETIC DRILLS WITH QUICK-RELEASE ARBOR

2 speed 1100 W magnetic drilling machine with quick-release arbor and adjustable slide height. Choose the SMD 352 for cutters up to Ø 35 x 50 mm and the SMD 502 for cutters up to Ø 50 x 50 mm. Both are capable of twist drilling up to 1/2" shank.



**TWIST DRILLING**



### Features

1. 2 speed gear box for optimized torque and cutting speed for a wide range of cutting tools.
2. The quick-adjustable variable height slide allows quick conversion between cutters and twist drills. Lower for cutters, raise for twist drills.
3. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.

**Standard/Optional Accessories See P.105**

Model	SMD352	SMD502
Power Input	1100 W	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No / Full Load (Rated Load) Speed min <sup>-1</sup>	Speed 1	450 (270)
	Speed 2	730 (440)
Max. Capacity	Ø x Depth of Cut of Cutters	35 mm x 50 mm ( 1-3/8" x 2")
	Ø Twist Drills	≤ 1/2" shank
	Stroke	140 mm (5-1/2")
Overload Protection	With	
Magnetic Adhesion	17,000 N	
Net Weight	14.8 kg (32.6 lb)	
Characteristics / Certification		





# MD500/2 2-SPEED LONG-CUTTER MAGNETIC DRILL

A 2 speed 2000 W magnetic drilling machine for cutters up to Ø65 x 75 mm L and twist drills up to 16 mm (5/8") shank. Features extra long cutter capacity.



**TWIST DRILLING**

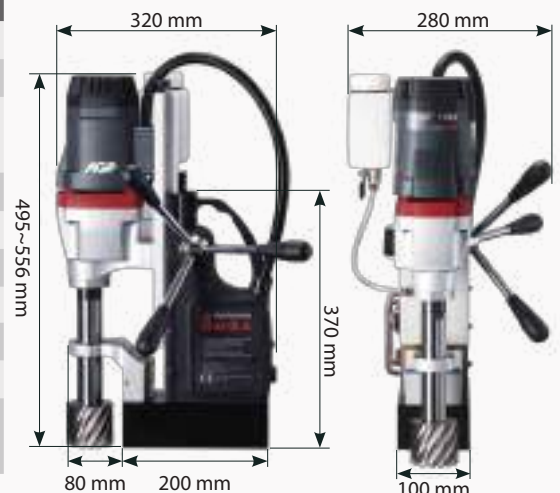


**Features**

1. 2 speed gear box for optimized torque and cutting speed for a wide range of cutting tools.
2. Extra Long Cutter Capacity.
3. Arbor Support Bracket.

**Standard/Optional Accessories See P.105**

<b>Model</b>		MD500/2
<b>Power Input</b>		2000 W (220 V), 1700 W (110 V)
<b>Voltage, Frequency</b>		220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz
<b>No / Full Load (Rated Load) Speed min<sup>-1</sup></b>	Speed 1	380 (230)
	Speed 2	550 (330)
<b>Ø x Depth of Cut of Cutters</b>		65 mm x 75 mm (2" x 3")
<b>Max. Capacity</b>	Ø Twist Drills	≤ 16 mm (5/8") shank
	Stroke	115 mm (4-1/2")
<b>Overload Protection</b>		With
<b>Magnetic Adhesion</b>		32,000 N
<b>Net Weight</b>		21.1 kg (46.5 lb)
<b>Characteristics / Certification</b>		



# ST50

## 2-SPEED, MT2, SWIVEL BASE MAGNETIC DRILLING & TAPPING MACHINE WITH VARIABLE SPEED

A versatile MT2, two speed/ variable speed 1100 W magnetic core drilling machine for cutters up to Ø 50 x 50 mm, twist drills up to 23 mm, and taps up to M20. The MT2 arbor can also fit many other types of cutting tools. Features swivel base for access to difficult to reach areas. The variable speed and sophisticated electronics allow optimized cutting speeds.



Model	ST50	
Power Input	1100 W	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No Load (Rated Load) Speed min <sup>-1</sup>	Speed 1	150~300 (90~180)
	Speed 2	225~450 (135~270)
Max. Capacity	Ø x Depth of Cutters	50 mm x 50 mm (2" x 2")
	Drill Chuck Capacity	≤ 1/2" shank
	Ø of MT2 Twist Drills	23 mm (7/8")
	Ø of Taps	M20 (13/16")
	Stroke with MT2 Cutting Tools	150 mm (5-7/8")
Magnetic Adhesion	17,000 N	
Overload Protection & Soft Start	With	
Net Weight	16.4 kg (36.2 lb)	
Characteristics / Certification		



Standard 2 Jaw Universal Tap Chuck  
Steplessly grips any tap from M6 to M20 with 1/2"



Standard Chuck Adaptor  
Twist Drilling with 1/2" Chuck



MT2 Shank accessories such as twist drills up to 23 mm , reamers, countersinks, etc.

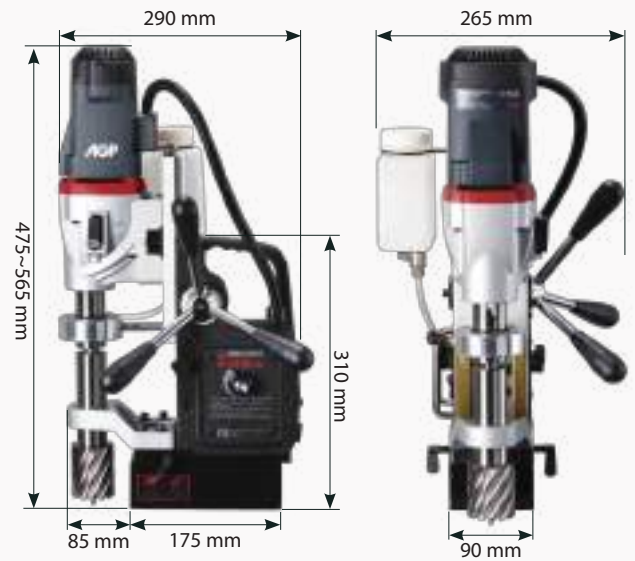


Swivel Base Equipped for difficult to reach areas

Forward and back 15mm



R&L 15°



**Features**

1. 2 speed gear box with mechanical clutch for optimized torque and cutting speed.
2. Electronic Variable Speed Knob for optimized cutting speed.
3. Built-in cutting fluid system with unique through-the-spindle fluid feed.
4. Swivel Magnet Base equipped for difficult to reach areas.
5. Reversing Switch for tapping.
6. Arbor Support Bracket.

**Standard/Optional Accessories See P.105**

## MD750/4

### 4 SPEED, MT3 MAGNETIC DRILLING & TAPPING MACHINE

## MDS750/4

### 4 SPEED, MT3 SWIVEL BASE MAGNETIC DRILLING & TAPPING MACHINE

4-speed 2000 W heavy-duty magnetic drilling machine for cutters up to Ø 75 x 50 mm, twist drills up to 32 mm, and taps up to 25.4 mm. The MT3 arbor can also fit many other types of cutting tools. MDS750/4 features swivel Base for difficult to reach areas.



**MD750/4**



**MDS750/4**

Model	MD750/4	MDS750/4
Power Input	2000 W (220-240 V), 1700 W (110-120 V)	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No Load (Rated) Speed min <sup>-1</sup>	Speed 1	150 (90)
	Speed 2	200 (120)
	Speed 3	300 (180)
	Speed 4	380 (230)
Ø x Depth of Cut of Annular Cutters	75 mm x 50 mm (3" x 2")	
Drill Chuck Capacity	≤ 16 mm (5/8") shank	
Max. Capacity	Ø of MT3 Twist Drill	32 mm (1-1/4")
	Ø of Taps	25.4 mm (1")
Stroke with MT3 Cutting Tools	145 mm (5-11/16")	155 mm (6-1/8")
Overload Protection	With	
Magnetic Adhesion	32,000 N	
Net Weight	24.4 kg (53.8 lb)	27.8 kg (61.3 lb)

Characteristics / Certification



■ **Twist Drilling with Chuck**

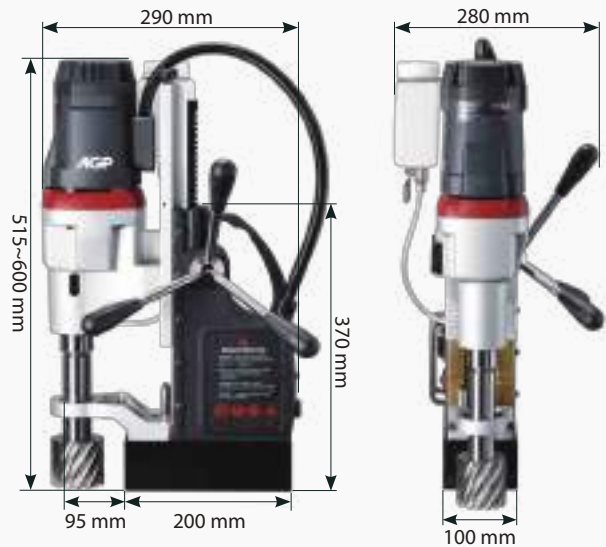


MT3 Chuck Adaptor and Chuck (optional)

■ **Twist Drilling**



MT3 Twist Drill Bit (Not included)



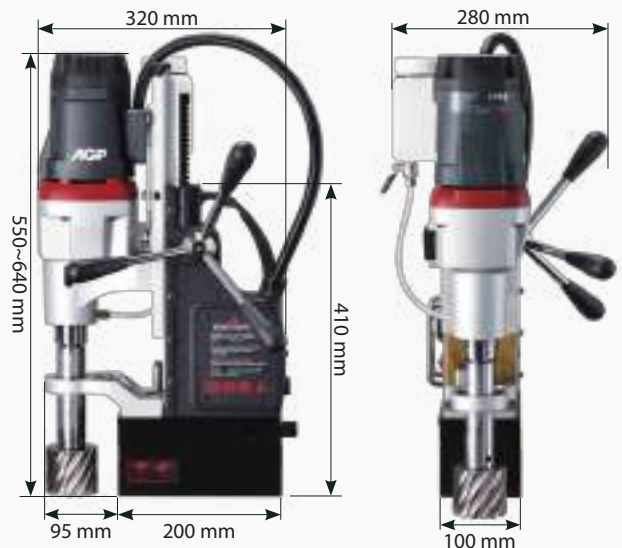
**MD750/4**

■ **Tapping Mode (Optional)**



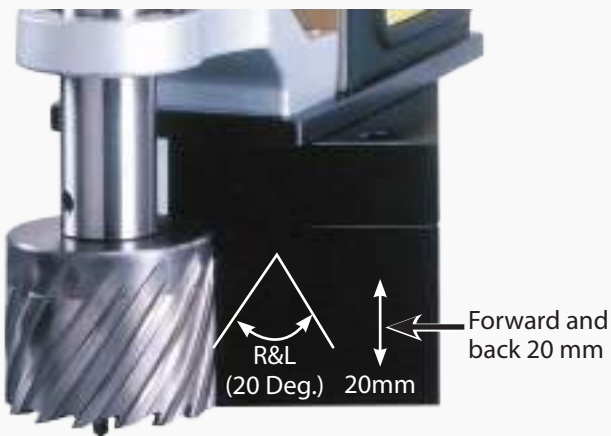
MT3 Large Range Tapping Chuck & Clamp Collet

MT3 Small Range Tapping Chuck & Clamp Collet



**MDS750/4**

■ **SWIVEL BASE EQUIPPED MODELS (MDS750)**  
for difficult to reach areas



**Features**

1. 4 speed gear box for optimized torque and cutting speed for a wide range of cutting tools.
2. Built-in cutting fluid system with unique through-the-spindle fluid feed.
3. Swivel Magnet Base Equipped for difficult to reach areas. (MDS750/4)
4. Reversing Switch for tapping.

**Standard/Optional Accessories See P.106**

# MD120/4

## 4 SPEED, MT3 MAGNETIC DRILLING & TAPPING MACHINE WITH VARIABLE SPEED

A 4-speed, 2000 W heavy-duty magnetic drilling machine for cutters up to Ø120 x 50 mm, twist drills up to 32 mm, and taps up to M32. The MT3 arbor can also fit many other types of cutting tools. The variable constant speed and sophisticated electronics allow optimized cutting speeds. The gearbox features a mechanical clutch for safety.



Model	MD120/4	
Power Input	2000 W (220-240 V), 1700 W (110-120 V)	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
* Rated Load Speed min-1	Speed 1	35-120
	Speed 2	70-220
	Speed 3	80-250
	Speed 4	140-450
Max. Capacity	Ø x Depth of Cut (with Set-Screw Type Cutter Arbor)	120 mm x 50 mm (4" x 2")
	Ø x Depth of Cut (with Quick-Release Cutter Arbor)	60 mm x 50 mm (2-3/8" x 2")
	Chuck Capacity	≤ 16 mm (5/8") shank
	Ø of MT3 Twist Drills	25.4mm (1")
	Ø of Taps	32 mm (1-1/4")
	Stroke with MT3 Cutting Tools	215mm mm (8-3/16")
Overload Protection	With	
Magnetic Adhesion	32,000 N	
Net Weight	29.3 kg (64.6 lb)	
Characteristics / Certification		

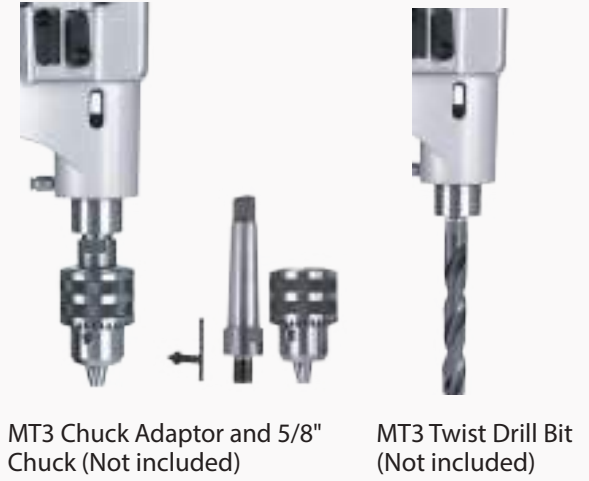
\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

■ **Tapping Mode (Optional)**



■ **Twist Drilling with Chuck**

■ **Twist Drilling**



**Features**

1. 4 speed gear box with mechanical clutch for optimized torque and cutting speed for a wide range of cutting tools.
2. Built-in cutting fluid system for cutters with unique through-the-spindle fluid feed.
3. Stepless variable speed wheel for electronic speed control with constant speed circuitry.
4. Reversing Switch for tapping.
5. Special MT3 high-torque tang drive spindle (mounts any MT3 accessory).

**Standard/Optional Accessories See P.107**

# Magnetic Drilling Accessories

## TP2000 Magnetic Tapping & Drilling Machine

Standard Accessories
Universal Tap Chuck
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
Drill Chuck Adaptor Arbor
1/2" Chuck And Chuck Key
Annular Cutter Arbor
Coolant Tank Kit
Chip Guard Kit
Ratchet Strap
Optional Accessories
<b>a</b> Other sizes of Clamp Collets



**a** Large Range Bilz no.2 Clamp Collets

## PMD 3530 Low Profile Magnetic Drill

Standard Accessories
Ratchet Strap
Chip Guard Kit
Optional Accessories
Overload Protection

## MD300N Auto Feed Magnetic Drill

Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
Chip Guard Kit
Coolant Tank Kit
Ratchet Strap

## SMD351L & SMD351H Variable Slide Magnetic Drills With Quick-Release Arbor

Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
T- Wrench M6
Coolant Tank Kit
Ratchet Strap
Chip Guard Kit
Optional Accessories
Overload Protection
Quick-Release Chuck Adaptor



## **SMD352 & SMD502** **Two Speed, Variable Slide Magnetic Drills** **With Quick-Release Arbor**

Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
T- wrench M6
Coolant Tank kit
Ratchet Strap
Chip Guard Kit
Overload Protection (SMD502)
Optional Accessories
Overload Protection (SMD352)
Quick-Release Chuck Adaptor

## **MD500/2 Long Cutter 2-Speed Magnetic Drill**

Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
Chip Guard Kit
Coolant Tank Kit
Ratchet Strap
Optional Accessories
Chuck Adaptor
5/8" (16 mm) Chuck & Chuck Key

## **ST50** **2-Speed, MT2, Swivel Base Magnetic** **Drilling & Tapping Machine With Variable Speed**

Standard Accessories
MT2 Annular Cutter Arbor
Drift
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
L-Hex Key M5
Coolant Tank Kit
Chip Guard Kit
Ratchet Strap
MT2 Chuck Adaptor
MT2 Universal Tap Chuck
Optional Accessories
1/2" (13 mm) Chuck, Key

# Magnetic Drilling Accessories

## MD750/4

### 4 Speed, MT3 Magnetic Drilling & Tapping Machine

Standard Accessories
MT3 Annular Cutter Arbor (set screw type)
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
Chip Guard Kit
Coolant Tank Kit
Ratchet Strap
Drift
Optional Accessories
MT3 Chuck Adaptor
5/8" (16 mm) Chuck & Chuck Key
MT3 Tapping Adaptors
Tapping Attachments
Pipe Vise For Pipe Diameters 32 mm - 203 mm (1-1/4" - 8-1/4")
Quick-Release Arbor

## MDS750/4

### 4 Speed, MT3 Swivel Base Magnetic Drilling & Tapping Machine

Standard Accessories
MT3 Annular Cutter Arbor (set screw type)
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
Chip Guard Kit
Coolant Tank Kit
Ratchet Strap
Drift
Wrench M17
Optional Accessories
MT3 Chuck Adaptor
5/8" (16 mm) Chuck & Chuck Key
MT3 Tapping Adaptors
Tapping Attachments
Pipe Vise For Pipe Diameters 32 mm - 203 mm (1-1/4" - 8-1/4")
MT3 Quick-Release Annular Cutter Arbor

## MD120/4

### 4 Speed, MT3 Magnetic Drilling & Tapping Machine With Variable Speed

#### Standard Accessories

Wrench M8

L-Hex Key M2.5

L-Hex Key M5

Chip Guard Kit

Coolant Tank Kit

Ratchet Strap

Drift

MT3 (1-1/4" Weldon) Annular Cutter Arbor (set screw type)

MT3 (3/4" Weldon) Annular Cutter Arbor (set screw type)

#### Optional Accessories

MT3 Chuck Adaptor

5/8" (16 mm) Chuck & Chuck Key

MT3 Tapping Adaptors

Tapping Attachments

MT3 (3/4" Weldon) Quick-Release Annular Cutter Arbor



# Magnetic Drilling Accessories

## MD750/4, MDS750/4, MD120/4 Tapping Attachments MT3 Small Range Tapping Chuck & Small Range Clamp Collets

Clamp Collets		
Nominal Tap Sizes:	Shank Dia.:	Size of Square:
M3-JIS	4.0	3.2
M4-JIS	5.0	4.0
M5-JIS	5.5	4.5
M6-JIS	6.0	4.5
M7/M8-JIS	6.2	5.0
M9/M10-JIS	7.0	5.5
M11-JIS	8.0	6.0
M12-JIS	8.5	6.5
M14/M15-JIS	10.5	8.0
UNC5/16-JIS	6.1	5.0
UNC1/2-JIS	9.0	7.0

Clamp Collets		
Nominal Tap Sizes:	Shank Dia.:	Size of Square:
M3.5-DIN376	2.5	2.1
M4-DIN376	2.8	2.1
M4.5 / M5 -DIN376	3.5	2.7
M6-DIN376	4.5	3.4
M7-DIN376	5.5	4.3
M8-DIN376	6.0	4.9
M10-DIN376	7.0	5.5
M12-DIN376	9.0	7.0
M14-DIN376	11.0	9.0



## MT3 Large Range Tapping Chuck & Large Range Clamp Collets

Clamp Collets		
Nominal Tap Sizes:	Shank Ø:	Size of Square:
M7/M8-JIS	6.2	5.0
M9/M10-JIS	7.0	5.5
M11-JIS	8.0	6.0
M12-JIS	8.5	6.5
M14/M15-JIS	10.5	8.0
M16-JIS	12.5	10.0
M18-JIS	14.0	11.0
M20-JIS	15.0	12.0
M22 / UNC7/8 -JIS	17.0	13.0
M24/M25-JIS	19.0	15.0
UNC 1/2-JIS	9.0	7.0

Clamp Collets		
Nominal Tap Sizes:	Shank Ø:	Size of Square:
UNC 5/8-JIS	12.0	9.0
M8-DIN376	6.0	4.9
M10-DIN376	7.0	5.5
M12-DIN376	9.0	7.0
M14-DIN376	11.0	9.0
M16-DIN376	12.0	9.0
M18-DIN376	14.0	11.0
M20-DIN376	16.0	12.0
M22 / M24 -DIN376	18.0	14.5



## MT3 Annular Cutter Arbors w/ 19.05 (3/4") or 31.75 mm (1-1/4") Weldon Shank ( 2 Set Screws, C- clip, Washer, O-ring, Water seal , and Spring are included )

Sizes:	Application
ø19.05 mm (3/4") (L 212 mm)	MD750/4, MD120/4
ø19.05 mm (3/4") (L 237 mm)	MDS750/4
ø31.75 mm (1-1/4") (L 156 mm)	MD750/4, MD120/4



## MT3 Quick-Release Annular Cutter Arbors w/19.05 (3/4") Weldon Shank\* ( Spring & Water seal are included )

Sizes:	Application
Single flat side with lock pin 12.3 mm	MD750/4, MD120/4
Single flat side with lock pin 11.7 mm	MD750/4, MD120/4
Single flat side with lock pin 12.3 mm	MDS750/4
Single flat side with lock pin 11.7 mm	MDS750/4
Two flat side with lock pin 12.3 mm	MDS750/4
Two flat side with lock pin 11.7 mm	MDS750/4



\*60 mm cutter maximum capacity

## Quick-Release Chuck Adaptors

Description: Allows Chuck to mount in Quick-Release Arbor	Application
Single flat side (shank 17.4 mm) Chuck adaptor for 1/2" chuck	SMD351L, SMD351H
Two flat side (shank 17.4 mm) Chuck adaptor for 1/2" chuck	SMD352, SMD502
Single flat side (shank 17.9 mm) Chuck adaptor for 1/2" chuck	
Two flat side (shank 17.9 mm) Chuck adaptor for 1/2" chuck	



## Pilot Pins

Description:	Dimensions
Pilot Pin for 12-17 mm TCT 35L cutters	TCT - 90L x Ø 6.34 mm
Pilot Pin for 18-60 mm TCT 35L cutters	TCT - 90L x Ø 7.98 mm
Pilot Pin for 12-17 mm TCT 50L cutters	TCT - 106L x Ø 6.34 mm
Pilot Pin for 18-60 mm TCT 50L cutters	TCT - 108L x Ø 7.98 mm
Pilot Pin for 12-100 mm HSS 30L cutters	HSS - 77L x Ø 6.34 mm
Pilot Pin for 12-100 mm HSS 50L cutters	HSS - 103L x Ø 6.34 mm



## Chuck Adaptors (to mount chuck to threaded motor spindle)

Description:	Mount	Application
Chuck Adaptor for 5/8" Chucks (5/8"-16 UNF)	M27-3.0	MD500/2



Description:	Mount	Application
Chuck Adaptor for 5/8" Chucks	MT3 / 5/8"-16	MD750/4, MDS750/4,
Chuck Adaptor for B16 Taper Mount Chucks	MT3 / B16	MD120/4 (MT3 Machines)



## Drill Chucks & Chuck Keys

Description & Clamping Capacity	Mount	Application
5/8" Chuck (w/ Key) (1 mm~16 mm)	5/8"-16	EVP180, MD750/4, MDS750/4, MD500/2, MD120 (MT3 Machines)
1/2" Chuck (w/ Key) (1 mm~13 mm)	1/2"-20	EV21, MD500/2, SMD351H, SMD351L, SMD352, SMD502, ST50



## Magnetic Chip Collector

(Push in the plunger to activate magnetic force to collect chips, Pull back the plunger to release the chips.)

Dimensions
400 mm x 25 mm



## HSS Annular Cutter Set in Case

Description
Includes: pilot pin and 30L cutters in diameters 12, 14, 16, 18, 20 & 22 mm.



# Magnetic Drilling Accessories

## TCT Annular Cutters With 19.05 mm (3/4") Universal Shank



Long-wearing Tungsten Carbide Tips

35 mm Length Cutters
Spec.
12 mm x 35L
13 mm x 35L
14 mm x 35L
15 mm x 35L
16 mm x 35L
17 mm x 35L
18 mm x 35L
19 mm x 35L
20 mm x 35L
21 mm x 35L
22 mm x 35L
23 mm x 35L
24 mm x 35L
25 mm x 35L
26 mm x 35L
27 mm x 35L
28 mm x 35L
29 mm x 35L
30 mm x 35L

35 mm Length Cutters
Spec.
31 mm x 35L
32 mm x 35L
33 mm x 35L
34 mm x 35L
35 mm x 35L
36 mm x 35L
37 mm x 35L
38 mm x 35L
39 mm x 35L
40 mm x 35L
41 mm x 35L
42 mm x 35L
43 mm x 35L
44 mm x 35L
45 mm x 35L
46 mm x 35L
47 mm x 35L
48 mm x 35L
49 mm x 35L
50 mm x 35L

(Sizes 35L x 51 mm up to 100 mm available on request.)

50 mm Long Reach Cutters
Spec.
16 mm x 50L
17 mm x 50L
18 mm x 50L
19 mm x 50L
20 mm x 50L
21 mm x 50L
22 mm x 50L
23 mm x 50L
24 mm x 50L
25 mm x 50L
26 mm x 50L
27 mm x 50L
28 mm x 50L
29 mm x 50L
30 mm x 50L
31 mm x 50L
32 mm x 50L
33 mm x 50L
34 mm x 50L
35 mm x 50L
36 mm x 50L
37 mm x 50L
38 mm x 50L
39 mm x 50L
40 mm x 50L
41 mm x 50L
42 mm x 50L
43 mm x 50L
44 mm x 50L
45 mm x 50L

50 mm Long Reach Cutters
Spec.
46 mm x 50L
47 mm x 50L
48 mm x 50L
49 mm x 50L
50 mm x 50L
51 mm x 50L
52 mm x 50L
53 mm x 50L
54 mm x 50L
55 mm x 50L
56 mm x 50L
57 mm x 50L
58 mm x 50L
59 mm x 50L
60 mm x 50L
61 mm x 50L
62 mm x 50L
63 mm x 50L
64 mm x 50L
65 mm x 50L
66 mm x 50L
67 mm x 50L
68 mm x 50L
69 mm x 50L
70 mm x 50L
71 mm x 50L
72 mm x 50L
73 mm x 50L
74 mm x 50L
75 mm x 50L

(Sizes 50L x 76 mm up to 100 mm available on request.)

# HSS Annular Cutters with 19.05 mm (3/4") Weldon Shank



Resharpenable HSS tool steel cutters

30 mm Length Cutters	30 mm Length Cutters	50 mm Length Cutters	50 mm Length Cutters
<b>Spec.</b>	<b>Spec.</b>	<b>Spec.</b>	<b>Spec.</b>
12 mm x 30L	31 mm x 30L	12 mm x 50L	31 mm x 50L
13 mm x 30L	32 mm x 30L	13 mm x 50L	32 mm x 50L
14 mm x 30L	33 mm x 30L	14 mm x 50L	33 mm x 50L
15 mm x 30L	34 mm x 30L	15 mm x 50L	34 mm x 50L
16 mm x 30L	35 mm x 30L	16 mm x 50L	35 mm x 50L
17 mm x 30L	36 mm x 30L	17 mm x 50L	36 mm x 50L
18 mm x 30L	37 mm x 30L	18 mm x 50L	37 mm x 50L
19 mm x 30L	38 mm x 30L	19 mm x 50L	38 mm x 50L
20 mm x 30L	39 mm x 30L	20 mm x 50L	39 mm x 50L
21 mm x 30L	40 mm x 30L	21 mm x 50L	40 mm x 50L
22 mm x 30L	41 mm x 30L	22 mm x 50L	41 mm x 50L
23 mm x 30L	42 mm x 30L	23 mm x 50L	42 mm x 50L
24 mm x 30L	43 mm x 30L	24 mm x 50L	43 mm x 50L
25 mm x 30L	44 mm x 30L	25 mm x 50L	44 mm x 50L
26 mm x 30L	45 mm x 30L	26 mm x 50L	45 mm x 50L
27 mm x 30L	46 mm x 30L	27 mm x 50L	46 mm x 50L
28 mm x 30L	47 mm x 30L	28 mm x 50L	47 mm x 50L
29 mm x 30L	48 mm x 30L	29 mm x 50L	48 mm x 50L
30 mm x 30L	49 mm x 30L	30 mm x 50L	49 mm x 50L
	50 mm x 30L		50 mm x 50L

(Sizes 30L x 51 mm up to 100 mm available on request.)

(Sizes 50L x 76 mm up to 100 mm available on request.)

# CS200 & CS230N METAL CUTTING CIRCULAR SAWS

Quickly cut metals such as steel, stainless, aluminum and others using TCT dry cut blades for accurate, burr-free cuts.



## Features

1. Handle is in the same plane with the blade for ideal balance, control, and ease of pushing.
2. Bayonet mount locking knob for Blade Cover for quick clearing of swarf.
3. Side Handle affixed to the base gives superior stability during bevel cuts.
4. Adjustable Rip Fence.
5. Base Mount Bracket for Side Handle.
6. Bevels Up To 45°.
7. Tool-Free Bevel Changes With 5 Detents.
8. Quick, Tool-Free Depth Adjustment.
9. Speed Control. (Optional)

**Standard/Optional Accessories See P.115**

Model	CS200	CS230N
Power Input	1700 W	1700 W
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	3700	2200
On Load min <sup>-1</sup>	2200	1320
Bevels	0 to 45°	0° to 45°
TCT Saw Blade	200 mm ( 8")	230 mm ( 9")
Arbor	30 mm (1-3/16") or 25.4 mm (1")	
Cutting Capacities	Straight cut: 67 mm (2-5/8") 45° Bevel: 42 mm (1-5/8")	Straight cut: 80 mm (3-1/4") 45° Bevel: 56 mm (2-3/16")
Soft Start & Overload Protection	With	With
Dimensions (LxWxH)	383 x 301 x 360 mm	
Net Weight	7.1 kg (15.6 lb)	8.2 kg (18.0 lb)

Characteristics / Certification



# DRC355 DRY-CUT METAL SAW

Quickly cut metals such as steel, stainless, aluminum and others using 355 mm (14") TCT dry cut blades for accurate, burr-free cuts. Up to 3 times faster than conventional abrasive wheel cut-off saws. Can also perform left and right miter cuts.



V-Jig Block



Lever Clamp

Model	DRC355	
Power Input	2200 W	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	1300	
On Load min <sup>-1</sup>	780	
Max Blade Diameter	355 mm (14")	
Max. Cutting Capacities	90°	Round Pipe 132 mm
		Square Stock 120 mm(W) x 120 mm(H)
		Rectangular Stock 180 mm(W) x 100 mm(H)
	Right Hand Miter	
	45°	Round Pipe 105 mm
		Square Stock 90 mm(W) x 90 mm(H)
		Rectangular Stock 90 mm(W) x 120 mm(H)
	Left Hand Miter	
	25°	80 mm(W) x 120 mm(H)
	30°	90 mm(W) x 120 mm(H) C-clamp required
	35°	90 mm(W) x 120 mm(H) C-clamp required
	45°	90 mm(W) x 120 mm(H) C-clamp required
Arbor	25.4 mm ( 1")	
Soft Start	With	
Dimensions (LxWxH)	383 x 301 x 360 mm	
Net Weight	7.1 kg (15.6 lb)	
Characteristics & Certification	 <small>Only 220 V    Only 220 V    C    US</small>	

## Features

1. High-stability cast alloy base.
2. Fence with scale swivels 45° in both directions with quick detents for the popular miter angles: 0°-15°-30°-45° left and right.
3. The locking holes may be used, if desired, for extra secure fence locking.
4. Two-piece Lower Blade Guard.
5. Tool-Free Fence Lock.
6. Quick-Lock Vise with Speed Crank.
7. Chip tray.

**Standard/Optional Accessories See P.115**

# CS320 METAL CUTTING CIRCULAR SAW

**PATENTED**

Quickly cut metals such as steel, stainless, aluminum and others using 320 mm TCT dry cut blades for accurate, burr-free cuts. Extra deep 121 mm depth of cut and optional guide rail make it especially suited to cutting thick, corrugated sandwich panels.



**OPTIONAL ACCESSORIES:**

The guide rail allows perfectly straight cuts and the cut-to-fit rubber strip shows the operator exactly where the cutting line will be.



**Features**

1. Unique, patented dust chamber cover opens and snaps closed in seconds. Highly effective dust and debris collection.
2. Large cutting capacity provided by the 320 mm metal cutting blade. A full 121 mm depth of cut when mounted on a guide rail.
3. Guide clearance adjustor.
4. Kicker Lever for opening the lower blade guard on thick, soft-cored sandwich panels.
5. LED Load Indicator enables maximum efficiency.

**Standard/Optional Accessories See P.115**

Model	CS320
Power Input	220-240 V: 1800 W, 110-120 V: 1700 W
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup> / On Load min <sup>-1</sup>	1700 / 1020
Max Blade Diameter	320 mm
Arbor Hole Diameter	25.4 mm (1")
Max Cutting Depth	128 mm (121 mm on Guide Rail)
Soft Start & Overload Protection	With
Dimensions (LxWxH)	500 x 342 x 355 mm
Net Weight	8.4 kg (18.5 lb)
Characteristics / Certification	

# Circular Saw Accessories

## CS200 & CS230N Metal Cutting Circular Saws

Standard Accessories	
Side Handle	
M6 Hex Key	
Optional Accessories	
Speed Control Device	
TCT Saw Blade	



**a** Lever Clamp

## DRC355 Dry-Cut Metal Saw

Standard Accessories	
M4 Hex Key	
M6 Hex Key	
M8 Hex Key	
Optional Accessories	
<b>b</b> V-Jig Block	
Safety Goggles	
<b>a</b> Lever Clamp	
TCT Saw Blade	



**b** V-Jig Block

## CS320 Metal Cutting Circular Saw

Standard Accessories	
M6 Hex Key	
Side Handle	
Optional Accessories	
TCT Saw Blades (Excellent for sandwich panel)	
<b>d</b> Guide Rail 1400 mm	
<b>d</b> Guide Rail 800 mm	
<b>c</b> Guide Rail Connector	
<b>a</b> Lever Clamp	



**c** Guide Rail Connector



**d** Guide Rail

# Circular Saw Accessories

## TCT Saw Blades



### TCT Saw Blades for Wood:

Application	Dia. (mm)	Kerf. (mm)	Bore (mm)	Teeth	Plate (mm)	Hardness HRA	Carbide (mm)		Hook Angle	Grind
							Thick	Length		
DS1600	160	2.8	20	28	2.0	92	2	6.5	0°	ATB
GP255, GP255S	255	2.6	25.4	40	1.8	92	1.6	5.5	20°	ATB
GP255, GP255S	255	2.8	30	40	1.8	92	1.6	5.5	0°	ATB

### TCT Saw Blades for Aluminium:

Application	Dia. (mm)	Kerf. (mm)	Bore (mm)	Teeth	Plate (mm)	Hardness HRA	Carbide (mm)		Hook Angle	Grind
							Thick	Length		
DRC355	355	2.4	25.4	80	2.0	91	1.9	6.2	0°	TCG
GP255, GP255S	255	2.6	25.4	100	1.8	91	1.6	5.5	20°	TCG
GP255, GP255S	255	2.6	30	100	1.8	91	1.6	5.5	0°	TCG

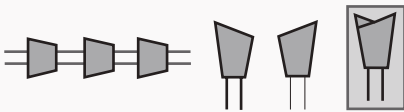
### TCT Saw Blades for Steel:

Application	Dia. (mm)	Kerf. (mm)	Bore (mm)	Teeth	Plate (mm)	Hardness HRA	Carbide (mm)		Hook Angle	Grind
							Thick	Length		
CS200	203	2.0	20	40	1.6	90.8	1.6	5.5	0°	TCG
CS230N	230	2.0	25.4	48	1.6	90.8	1.6	5.5	0°	TCG
CS320	320	2.2	25.4	80	1.8	90.8	1.9	6.2	0°	TCG
DRC355	355	2.4	25.4	80	2.0	90.8	1.9	6.2	0°	TCG

### TCT Saw Blades for Stainless Steel:

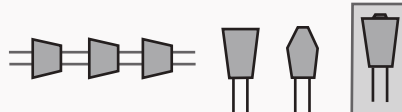
Application	Dia. (mm)	Kerf. (mm)	Bore (mm)	Teeth	Plate (mm)	Hardness HRA	Carbide (mm)		Hook Angle	Grind
							Thick	Length		
CS200	203	1.8	20	52	1.4	90.8	1.6	5.5	7°	TCG
CS230N	230	1.8	25.4	60	1.4	90.8	1.6	5.5	10°	TCG
DRC355	355	2.4	25.4	90	2.0	90.8	1.9	6.2	10°	TCG

### Note: Tooth Grind Patterns



**ATB** (Alternate Top Bevel)

Ideal for cross cutting and ripping in wood



**TCG** (Triple Chip Grind)

Ideal for metal cutting blades. Gives long sharp life in hard materials. The pointed tooth cuts narrow kerf, then the flat-top raker tooth widens the kerf and clears out chips.

# T14 TAPPER

A convenient tool for quickly tapping a series of through holes or blind holes up to M16 (5/8"). The auto-reverse gearbox mechanism makes tapping a super fast operation.



## Features

1. 2-Jaw Universal Tapping Chuck is self-centering and grips any size tap from M6 up to M16.
2. Unique, purpose-built gearbox makes tapping fast, efficient, and uniquely controllable. Press down for low-g geared clockwise rotation. Pull back for high-g geared counterclockwise rotation. Neutral in the center.
3. Ergonomic handle makes it easy to hold the tool straight.
4. Sprung Swivel Joint minimizes possibility of tap breakage.
5. Depth Stop for blind hole tapping.
6. Long Side Handle for excellent control.

Model	T14	
Power Input	450 W	
Voltage, Frequency	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	Forward	280
	Reverse	680
Tapping Capacity	Steel	14 mm (9/16")
	Aluminum	16 mm (5/8")
Dimensions (LxWxH)	400 x 80 x 200 mm	
Net Weight	2.7 kg (5.9 lb) (Not including side handle 0.45 kg (1lb))	
Characteristics / Certification		

<b>Standard Accessories</b>
Side Handle
M4 Hex Key
Depth Stop
<b>Optional Accessories</b>
<b>a</b> Safety Clutch

# HP1400 BEVELER & P3K HIGH FREQUENCY CONVERTER

High Frequency Beveling System.



**HP1400 & P3K**

**OPTIONAL ACCESSORIES:**

Replacement Carbide Inserts (Box of 10)




- Straight Bevel
- R2.5 Radius
- R3.5 Radius
- R4 Radius

**Features**

1. High frequency technology for high power-to-weight ratio and long duty cycles. Extremely stable rpm extends the life of consumables.
2. Vertical, direct drive brushless motor for zero maintenance and long life.
3. Anti-Vibration Side Handle.
4. Three indexable square carbide inserts ISO SEMT13T3. Optional radius inserts and 30° tool holder available.

**Standard/Optional Accessories See P.122**

Model	HP1400
Power output	1400 W
*No Load min <sup>-1</sup>	6000-8550
Bevel Angle	45° (Optional 30°)
Max. Bevel Height (45 Deg.)	6 mm
Min. Diameter For Inside Bevels	30 mm
Dimensions (LxWxH)	310 x 150 x 150 mm
Net Weight	3.9 kg (8.6 lb)
Characteristics / Certification	

Model	P3K
Voltage	200-240 V~50-60 Hz, single phase / 3 phase
Input	3.0 KVA
Output	8 A, 1600 W
Dimensions (LxWxH)	260 x 160 x 215 mm
Net Weight	2.7 kg (5.8 lb)

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# EB6T ELECTRIC BEVELER

Shape beveler for 45 degree bevels with up to 6 mm chamfer height. Excellent for following curved shapes, beveling cut-outs and countersinking holes over 30 mm.

Uses 3 standard square carbide inserts. Can also perform radiused edges with optional inserts and 30 degree bevels with optional tool holder.



**OPTIONAL ACCESSORIES:**

Replacement Carbide Inserts (Box of 10)



- Straight Bevel
- R2.5 Radius
- R3.5 Radius
- R4 Radius

**Features**

1. Motor with variable constant speed electronics for consistent surface results.
2. Variable Speed Wheel for setting the best speed with different materials.
3. Square Carbide Inserts. 3 Indexable square carbide inserts: ISO SEMT13T3.
4. Tool-Free Bevel Height Setting with Micrometer Scale.
5. Bevel Height Scale.
6. Adjustable Dial Ring Support Deck.

**Standard/Optional Accessories See P.122**

Model	EB6T
Power input	1100 W
Voltage	220-240 V~ 50-60 Hz, or 110-120 V~ 50-60 Hz
*No Load min <sup>-1</sup>	3000 - 6000
Bevel Angle	45° (Optional 30°)
Max. Bevel Height (45 Deg.)	6 mm
Min. Diameter For Inside Bevels	30 mm
Dimensions (LxWxH)	308 x 344 x 273 mm
Net Weight	4.5 kg (9.9 lb)

Characteristics / Certification 

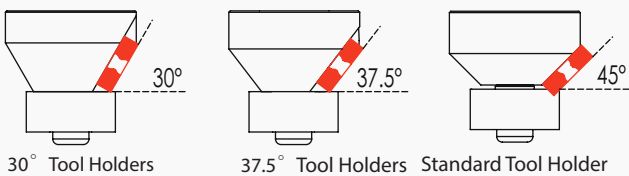
\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# EB12 ELECTRIC BEVELER

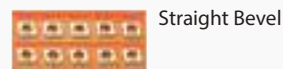
Heavy duty shape beveler for 45 degree bevels with up to 10.6 mm chamfer height. Excellent for beveling straight lines, curved shapes, cut-outs and countersinking holes over 30 mm. Uses 6 square carbide inserts. Can also perform 30 and 37.5 degree bevels with optional tool holders.



**OPTIONAL ACCESSORIES:**



Replacement Carbide Inserts (Box of 10)



**Features**

1. Speed Control Thumb Wheel. Variable Electronic Constant Speed Circuitry maintains speed under load.
2. Precision Chamfer Height Adjustment with Dial Scale.
3. 6 Carbide Insert Tool Holder Set.

**Standard/Optional Accessories See P.122**

Model	EB12
Power Input	1500 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
* No Load min <sup>-1</sup>	2300 - 6500
Speed Wheel Settings	1:2300 / 2:2600 / 3:3700 / 4:4800 / 5:5800 / 6:6500 min <sup>-1</sup>
Std. Bevel Angle	45 Deg.
Max. Chamfer Height	10.6 mm (at 45°)
Min. Ø For Inside Bevels	30 mm
Soft Start & Overload Protection	With
Dimensions (LxWxH)	308 x 344 x 273 mm
Net Weight	4.5 kg (9.9 lb)

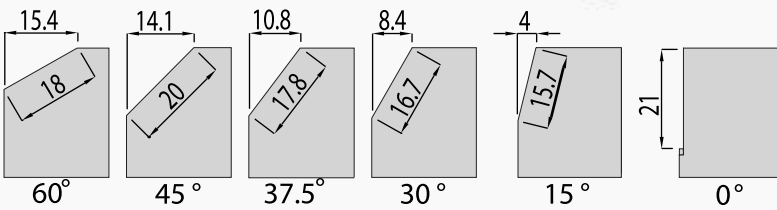
Characteristics / Certification

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.



# EB24R ELECTRIC BEVELER

A plate beveler for angles from 0° to 60° with a maximum land width of 21mm with facing off and pipe beveling capability from 150 to 350 mm.



**OPTIONAL ACCESSORIES:**

Replacement Carbide Inserts (Box of 12)



Model	EB24R	
Power Input	1100 W	
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	60 Hz: 3600 , 50 Hz: 3000	
Angular Adjustment	Angle	Max. Bevel Width
	60°	18 mm
	45°	20 mm
	37.5°	17.8 mm
	30°	16.7 mm
	15°	15.7 mm
	0°	21 mm
Pipe beveling	150-350 mm (Standard), 300-600 mm (Optional)	
Dimensions (LxWxH)	503 x 350 x 248 mm	
Net Weight	20.1 kg (44.3 lb)	
Characteristics / Certification	<b>CECB</b>	

**Features**

1. AC Induction Motor for steady speed, low noise, and long life.
2. Tool holder with 12 carbide inserts (ISO type SPKN 1203 0.8) Bevel widths on straight and round materials.
3. Angular Adjustment Screw with angular adjustment from 0-60°
4. Depth-adjuster knob.
5. Depth Lock Screw.
6. Chamfer Height Scale.
7. Rollers for smooth operation.

**Standard/Optional Accessories See P.122**

# Electric Beveler Accessories

## HP1400 Beveler

Standard Accessories
Anti-Vibration Side Handle
Torx Wrench T15
Hook Spanner Wrench
Face Spanner Wrench
45° Tool Holder Set
Square Carbide Inserts x3
20 m coupling cable
Hex Wrench M14
Optional Accessories
30° Tool Holder Set
R2.5 mm inserts x10
R3.5 mm inserts x10
R4.0 mm inserts x10
10 m coupling cable
30 m coupling cable

## EB12 Electric Beveler

Standard Accessories
45° Tool Holder Set
Square Carbide Inserts x6
Torx Wrench T15
Hex. Wrench M6
Hook Spanner Wrench
Spindle Lock Bar
Optional Accessories
30° Tool Holder Set
37.5° Tool Holder Set
Plastic Carry Case

## EB6T Electric Beveler

Standard Accessories
Torx Wrench T15
Hook Spanner Wrench
Spindle Lock Bar
45° Tool Holder Set
Square Carbide Inserts x3
Optional Accessories
30° Tool Holder Set
Three Insert Tool Holder
R2.5 mm inserts x10
R3.5 mm inserts x10
R4.0 mm inserts x10

## EB24R Electric Beveler

Standard Accessories
Milling Disc, x2
Square Carbide Inserts x12
L-Hex. Wrench M8
L-Hex. Wrench M3
M 22 Open End Wrench
M 32 Combination Wrench
M27 x M24 Double Open End Wrench
Zero Degree Milling Receiver
Bevel Milling Receiver
Optional Accessories
Large Table Plate (for pipes 300-600 mm) x1
Small Table Plate (for pipes 150-350 mm) x1
Replacement Carbide Inserts (Box of 12)

# SG6 150mm STRAIGHT GRINDER

Heavy duty straight grinder with variable constant speed electronics for outstanding performance and even finish.



■ Polishing mode



**Features**

1. Variable Electronic Constant Speed Circuitry maintains speed under load.
2. Speed Control Thumb Wheel.
3. Adjustable guard.
4. Hand Grip.
5. Taper Mandrel Arbor.

Model	SG6
Power Input	220-240 V: 1500 W, 110-120 V: 1300 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
* No Load min <sup>-1</sup>	1600 - 4800
Spindle	M14 (w/ 20 mm Tool Holder)
Max. Wheel Diameter	150 mm (6")
Soft Start & Overload Protection	With
Dimensions (LxWxH)	566 x 80 x 96 mm
Net Weight	3.4 kg (6.6 lb)

<b>Standard Accessories</b>
Face Spanner Wrench
Taper Mandrel Arbor
Wrench M17
Wrench M22
Hex Key M5

<b>Optional Accessories</b>
Wheel

Characteristics / Certification **CE CB SP<sup>®</sup> US**

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# WS760 WRAPAROUND TUBE SANDER / POLISHER

A specialized tool for fast and easy finishing of tube forms. Contacts up to 270 degrees of the tube at a time. Easy belt changes for different grits and grades of belt.



## Features

1. Variable Electronic Constant Speed Circuitry maintains speed under load.
2. Speed Control Thumb Wheel.
3. High stability pulleys prevent belts from coming off in operation.
4. Tool-free belt changing for quick changes between different grits.
5. Self-tensioning arm.
6. High stability drive pulley.



**Surface Conditioning Belt**

**Sandpaper Belt**

<b>Model</b>	WS760
<b>Power Input</b>	220-240 V: 1200 W, 110-120 V: 850 W
<b>Voltage</b>	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
<b>* No Load min<sup>-1</sup></b>	1600 - 3200
<b>Surface Speed</b>	3~12 m/s
<b>Max. Belt ( L ) x ( W )</b>	760 mm x 40 mm
<b>Max. Pipe Diameter</b>	180 mm
<b>Max. Polishing Deg.</b>	270°
<b>Soft Start &amp; Overload Protection</b>	With
<b>Dimensions (LxWxH)</b>	530 x 370 x 215 mm
<b>Net Weight</b>	3.4 kg (6.6 lb)

<b>Standard Accessories</b>
Side Handle
Surface Conditioning Belt (40 x 760 mm)
Sandpaper Belt #120 grit (40 X 760 mm)
Sandpaper Belt #220 grit (40 X 760 mm)
Face Spanner Wrench
Plastic Carry Case

Characteristics / Certification

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# DP100 DRUM SANDER / POLISHER

An extremely versatile linear sander / polisher system. Go all the way from rough sanding up through mirror polishing as well as create effects like brushed finishes.



## Features

1. Cast aluminum front handle bracket for better balance and stability.
2. Variable Electronic Constant Speed Circuitry maintains speed under load.
3. Inflatable rubber sanding drum conforms to the surface (pump included) Can fit:
  - Sanding sleeves in various grits
  - Fine sanding sponge sleeves
  - Surface conditioning (fleece) sleeves
4. Optional Screw Type Mounting Nut fits flush and allows the drum to go all the way into corners.
5. Tool-Free Arbor.
6. Speed Control Thumb Wheel.

Model	DP100
Power Input	220-240 V: 1200 W, 110-120 V: 850 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
* No Load min <sup>-1</sup>	1500~2800
Max. Wheel Diameter	100 mm
Max. Wheel Width	100 mm
Arbor	19 mm double keyed x 100 mm long
Soft Start & Overload Protection	With
Dimensions (LxWxH)	394 x 198 x 195 mm
Net Weight	3.5 kg (7.7 lb)

Characteristics / Certification



\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

**Surface Conditioning Flap Wheel**



**Drive Pulley for Belts**



■ **Inflatable Rubber Sanding Drum**



**a** Inflatable Rubber Sanding Drum



**b** Air Pump



**c** Sandpaper Sleeve



**h** Surface Conditioning Flap Wheel



**i** Arbor Spacer Discs

■ **Surface Conditioning Flap Wheel**

■ **Drive Pulley for Belts**

(All belts with 45 degree slit for opening and closing)



**d** Drive Pulley for Belts



**e** Sandpaper Belt



**f** Surface Conditioning Belt



**g** Hook & Loop Belt Closing Straps

**Standard Accessories**

Plastic Carry Case

**Optional Accessories**

**a** Inflatable Rubber Sanding Drum

**b** Air Pump

Surface Conditioning Sleeve(100 x 292 mm)

**c** Sandpaper Sleeve #60

**c** Sandpaper Sleeve #100

**c** Sandpaper Sleeve #180

**d** Drive Pulley for Belts

**e** Sandpaper Belt #120 Grit (40 x 600 mm)

**f** Surface Conditioning Belt (40 x 600 mm)

**g** Hook & Loop Belt Closing Straps (30 x 700 mm)

**h** Surface Conditioning Flap Wheel (100 x 100 x 19 mm)

**i** Arbor Spacer Discs (35 x 19 x 5 mm)

# DB32 DIGITAL BENDING MACHINE

A portable tubing bender with unique digital LCD degree display. Preset the desired angle up to 190° in tubing up to 1-3/8". The digital control allows fine tuning of the bend and repeatable results.



**OPTIONAL ACCESSORIES:**



Bending Former & Bending Shoe

	Bending Former	Bending Shoe
1.	5/8" R=4D	5/8"
2.	3/4" R=4D	3/4"
3.	7/8" R=4D	7/8"
4.	1" R=4D	1"
5.	1-1/8" R=4D	1-1/8"
6.	1-1/4" R=4D	1-1/4"
7.	1-3/8" R=3.5D	1-3/8"

Size	Material	R(mm)	45°		90°		180°	
			L <sub>R</sub> (mm)	L <sub>M</sub> (mm)	L <sub>R</sub> (mm)	L <sub>M</sub> (mm)	L <sub>R</sub> (mm)	L <sub>M</sub> (mm)
5/8"(15.88mm)		64	25	-	69	35	66	52
3/4"(19.05mm)		77	30	-	79	35	79	63
7/8"(22.22mm)		88	35	-	92	48	92	96
1"(25.4mm)		102	39	-	103	58	103	112
1-1/8"(28.58mm)		115	45	-	118	55	118	118
1-1/4"(31.75mm)		127	50	-	130	71	130	135
1-3/8"(34.9mm)		123	48	-	126	51	126	149

**Features**

- 1700 W motor with constant speed.
- Thumbwheel for setting the desired degree of bend.
- Digital LCD display.
- Easy to use reversing switch.
- Bending Former with gradation markings.
- Shoe pivot bolt.
- Bending shoe.
- Shoe bracket.
- Driver hook.
- Tripod.

Model	DB32
Power Input	1700 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup>	3.5
Max. Capacity	35 mm (1-3/8")
Soft Start	With
Dimensions (LxWxH)	630 x 230 x 183 mm
Net Weight	14 kg (30.9 lb)
Characteristics / Certification	

<b>Standard Accessories</b>
Tripod
Velcro Strap
<b>Optional Accessories</b>
Bending Former & Bending Shoe






# HC127 HOLE CUTTING DRILL

A convenient tool for quickly drilling perfectly centered and perpendicular holes up to 127 mm diameter in pipes from 1-1/4" to 8-1/4". Excellent for installing mechanical tee fittings, pipe saddles, etc.

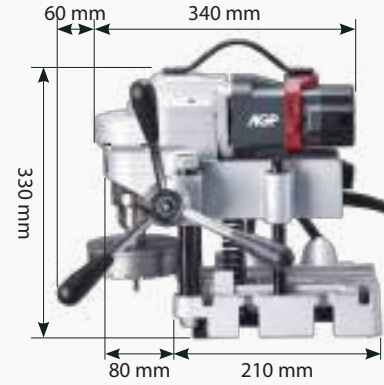


## Features

1. Good balance for carrying.
2. The quick adjustable tool-free lever can mount on either side.
3. Chain vise clamping system quickly mounts machine onto 1-1 /4" to 8-1/4" diameter pipe. (32 mm-203 mm)
4. Built-in bubble levels for multiple hole alignment.

Model	HC127
Power Input	1100 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup>	130
Max. Cutting Capacity (Hole Cutter)	127 mm
Pipe Mounting Capacity	32 mm - 203 mm (600 mm w/ optional Long Chain Set)
Drill Chuck Capacity	16 mm shank
Over Load Protection	With
Net Weight	14.5 kg ( 31.9 lb ) Not including Crank Handle
Characteristics / Certification	    





## TCT HOLE CUTTERS (FOR MODEL HC127) 25MM DEPTH



Diameter (mm)	Part Number
60	305-03346-000-037
65	305-03346-000-038
70	305-03346-000-039
75	305-03346-000-040
80	305-03346-000-041
85	305-03346-000-042
90	305-03346-000-043
95	305-03346-000-044
100	305-03346-000-045
105	305-03346-000-046
110	305-03346-000-047
115	305-03346-000-048
120	305-03346-000-049
125	305-03346-000-050
127	305-03346-000-051

**\*Note:** Bi-metal hole saws or twist drills recommended for sizes below 60 mm

Standard Accessories
16 mm (5/8") Chuck & Chuck Key
Crank Handle Set
Optional Accessories
Long Chain Set (for pipes up to 600 mm diameter)

# PT600 PORTABLE THREADING MACHINE

A high torque, robust machine for fast right or left-hand threading of pipes up to 2".



**OPTIONAL ACCESSORIES:**

Set of 6 Die Head Assemblies & Adapter



**Features**

1. High-Stability Blocking Vise.
2. Designed for optimum torque.

Model	PT600
Power Input	1100 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup>	26
Full Load min <sup>-1</sup>	19
Max. Die Head	2" nominal (60.33 mm)
Dimensions (LxWxH)	552 x 200 x 98 mm
Net Weight	14 kg (30.9 lb)
Characteristics / Certification	

<b>Standard Accessories</b>
Adaptor
Blocking Vise
<b>Optional Accessories</b>
Replacement Dies
Set of 6 Die Head Assemblies : 1/2", 3/4", 1", 1-1/4", 1-1/2" & 2" (Die heads are available in either NPT or BSPT thread forms. Please specify when ordering)

# RS26 RECIPROCATING SAW FOR PIPES

A reciprocating saw purpose-built for making perfectly square cuts on pipes up to 8" diameter. Orbital reciprocating mechanism and variable constant speed allow the fastest possible results.



■ **A world first :**

Optional **2-in-1 vise!** On one side there is a **chain clamp** for 1/2" up to 8" pipes. On the other side is a **Quick-Release Vise**. For pipe cutting, the vise gives 4 times the leverage and a perfect 90 degree cut.



Quick-Release Vise side of the optional 2-in-1 Vise for smaller diameters.



Chain Vise side of the optional 2-in-1 Vise for larger diameters.

## Features

1. High-impact reciprocating mechanism with aggressive orbital action.
2. Speed Control Thumb Wheel.
3. Electronic Constant Speed Circuitry maintains speed under load.
4. Soft-grip boot on gearcase.
5. Ratchet Handle for quick, tool-free clamping.
6. Quick-Release Chain Vise. (Standard)

Model	RS26
Power Input	1500 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
* No Load min <sup>-1</sup>	1000 - 2100
Stroke	26 mm (1")
Max. Capacity	203 mm (8")
Speed Control	With
Soft Start & Overload Protection	With
Dimensions (LxWxH)	49 x 94 x 108 mm
Net Weight	3.8 kg (8.4 lb)
Characteristics / Certification	

### OPTIONAL ACCESSORIES:

Blade 290 mm



### Standard Accessories

Hex. Wrench M4

Quick-Release Chain Vise

### Optional Accessories

2-in-1 Vise

Blade 290 mm

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

# RS130B RECIPROCATING SAW

A general purpose reciprocating saw with variable constant speed motor.

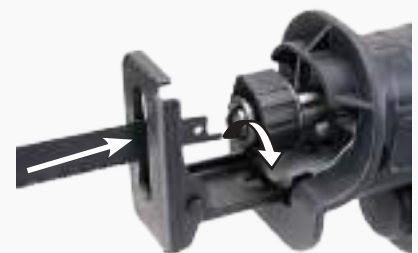


## Features

1. High-impact reciprocating mechanism.
2. Speed Control Thumb Wheel.
3. Electronic Constant Speed Circuitry maintains speed under load.
4. Tool-free blade change.
5. Pivoting shoe plate.



5 Pivoting shoe plate



4 Tool-free

Model	RS130B
Power Input	1600 W (220 V), 1300 W (110 V)
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
* No Load min <sup>-1</sup>	1000 - 2800
Stroke	26 mm (1")
Max. Capacity	130 mm
Speed Control	With
Soft Start & Overload Protection	With
Quick Release Saw Blade Replacing System	With
Dimensions (LxWxH)	470 x 155 x 97 mm
Net Weight	3.8 kg (8.4 lb)
Characteristics / Certification	

### OPTIONAL ACCESSORIES:

Blade 190 mm



### Standard Accessories

Hex. Wrench M6

### Optional Accessories

Blade 190 mm

\* Due to the constant speed design, the no load and the rated load speeds are roughly the same.



# HA10 HIGH PRESSURE DISINFECTANT SPRAYER

A high performance high pressure airless sprayer for the fastest possible application of disinfectants. Equipped with accessories chosen for water-based disinfectants.




## Features

1. High performance piston pump with long life packings.
2. Flexible Suction Hose.
3. Mechanical Pressure Control System.
4. DC motor for high torque.

**Standard/Optional Accessories See P.143**

**\* Without spray paint tube**

Model	HA10
Motor Type	DC Motor, Fan-Cooled
Power input	700 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Max Tip Size	0.010"
Max Flow	1.9 l/min (0.50 gpm)
Max Pressure	96 bar (1400 psi)
Dimensions (LxWxH)	360 x 250 x 400 mm
Net Weight	11.0 kg (24.3 lb)
Characteristics / Certification	

# EC021 PISTON PUMP AIRLESS PAINT SPRAYER

The light, compact airless sprayer with mechanical pressure control for up to 0.021" tips for a wide range of paint types.



6.2L Hopper Kit



The optional Pump Filter gives additional filtration for longer component life



The optional Pressure Gauge allows the operator to see the exact pressure at the pump

## Features

1. DC motor for high torque.
2. Mechanical Pressure Control System.
3. High performance piston pump with long life packings.
4. Drip Cup for mess-free placement of suction tube.
5. Flexible Suction Hose.

**Standard/Optional Accessories See P.143**

**\* Without spray paint tube**

Model	EC021
Motor Type	DC Motor, Fan-Cooled
Power input	700 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Max Tip Size	0.021"
Max Flow	1.9 l/min (0.50 gpm)
Max Pressure	207 bar (3,000 psi)
Dimensions (LxWxH)	360 x 250 x 400 mm
Net Weight	11.0 kg (24.3 lb)
Characteristics / Certification	

# PM021LF & PM025LF PISTON PUMP AIRLESS PAINT SPRAYERS

Low frame airless sprayers with digital electronic pressure control for a wide range of paint types.  
 PM021LF: 0.021" tips / PM025LF: 0.025" tips.



## Features

1. Totally enclosed, fancooled, DC motor for high torque and long life.
2. Built-in toolbox for holding extra tips and filters.
3. High performance piston pump with long-life packings.
4. Quick-response electronic pressure control with LCD screen. (BAR or PSI)
5. Drip Cup for mess-free placement of suction tube.
6. Pump Filter.
7. Flexible Suction Hose.

**Standard/Optional Accessories See P.143**  
**\* Without spray paint tube**

Model	PM021LF	PM025LF
Motor Type	DC Motor (TEFC)	
Power input	1000 W	1300 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
Max Tip Size	0.021"	0.025"
Max Flow	2.1 l/min (0.55 gpm)	2.7 l/min (0.71 gpm)
Max Pressure	207 bar (3,000 psi)	
Control	Digital	
Overload Protection	With	
Dimensions (LxWxH)	420 x 300 x 550 mm	
Net Weight	23.4 kg (51.6 lb)	23.5 kg (51.8 lb)

Characteristics / Certification





# PM021 & PM025 PISTON PUMP AIRLESS PAINT SPRAYERS

High frame airless sprayers with digital electronic pressure control.



## Features

- 1. Totally enclosed, fan cooled, DC motor for high torque and long life.
- 2. Quick-response electronic pressure control with LCD screen. (BAR or PSI)
- 3. High performance piston pump with long-life packings.
- 4. Built-in Toolbox for holding extra tips and filters.
- 5. Hooks for convenient hose storage.
- 6. Gear-driven Pump.
- 7. Pump Filter.
- 8. Retractable handle.

**Standard/Optional Accessories See P.143**  
**\* Without spray paint tube**

Model	PM021	PM025
Motor Type	DC Motor (TEFC)	
Power input	1000 W	1300 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
Max Tip Size	0.021"	0.025"
Max Flow	2.1 l/min (0.55 gpm)	2.7 l/min (0.71 gpm)
Max Pressure	207 bar (3,000 psi)	
Control	Digital	
Overload Protection	With	
Dimensions (LxWxH)	515 x 530 x 795 mm	
Net Weight	29.5 kg (65.0 lb)	29.6 kg (65.3 lb)
Characteristics / Certification		

# AC023 AIR-ASSISTED FINE FINISH AIRLESS PAINT SPRAYER






Air-assisted airless sprayer with digital electronic pressure control and air compressor for up to 0.023" tips. Excellent for fine finish applications.



## Features

1. Air-assisted airless or straight airless function selector.
2. Electronic fluid pressure control with LCD screen.
3. Built-in Toolbox for holding extra tips and filters.
4. Pump filter is easy to access and clean.
5. Built-in air compressor.
6. Analogue air pressure gauge.
7. Air pressure control knob.
8. 6.2 Liter Hopper.
9. Hooks for convenient hose storage.
10. Bonded Air & Fluid Hose.

**Standard/Optional Accessories See P.144**  
**\* Without spray paint tube**

Model	AC023
Motor Type	DC Motor (TEFC)
Power input	1300 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Max Tip Size	0.023"
Max Flow	2.1 l/min (0.55 gpm)
Max Pressure	207 bar (3,000 psi)
Atomizing Air Output	100 l/min ( 3.5 cfm)
Max. Working Air Pressure	2.4 bar ( 35 psi)
Dimensions (LxWxH)	856 x 592 x 1015 mm
Net Weight	55.6 kg (122.6 lb) ( including Hopper assembly, not including hose )
Characteristics / Certification	    

# PM031 PISTON PUMP AIRLESS PAINT SPRAYERS






Heavy-duty airless sprayer with brushless motor and digital electronic pressure control for up to 0.031" tips. Multiple gun capability.



## Features

1. Powerful Brushless Motor.
2. High performance piston pump with long-life packings.
3. Quick-response electronic pressure control with LCD screen. (BAR or PSI)
4. Built-in Toolbox for holding extra tips and filters.
5. Hooks for convenient hose storage.

**Standard/Optional Accessories See P.144**  
**\* Without spray paint tube**

Model	PM031
Motor Type	Brushless DC Motor
Power input	1500 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Max Tip Size	0.031"
Max Flow	4.17 l/min (1.1 gpm)
Max Pressure	227 bar (3,300 psi)
Control	Digital
Overload Protection	With
Dimensions (LxWxH)	670 x 580 x 810 mm
Net Weight	59.0 kg (130.1 lb)
Characteristics / Certification	    

# PM039 PISTON PUMP AIRLESS PAINT SPRAYERS

Heavy-duty airless sprayer with brushless motor and digital electronic pressure control for up to 0.031" tips. Multiple gun capability.



## Features

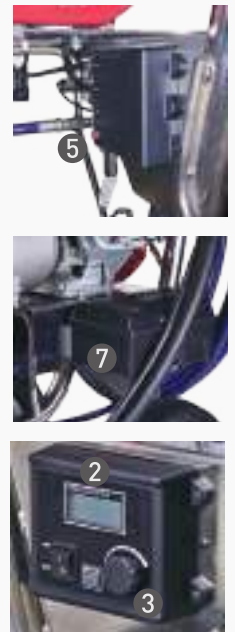
1. Powerful Brushless Motor.
2. Special Plaster-Type Suction Assembly for plaster and other heavy materials.
3. Quick-response electronic pressure control with LCD screen. (BAR or PSI)
4. High performance piston pump with long-life packings.
5. Built-in Toolbox for holding extra tips and filters.
6. Plaster Tank (Optional) The frames of both units interlock with special hooks for a neat and compact assembly. Includes special coupling adapter, wringer and scraper plate.
7. Ball Type Priming Valve.
8. Special hooks for coupling with plaster tank.
9. Coupling Adapter.

**Standard/Optional Accessories See P.144**  
**\* Without spray paint tube**

Model	PM039
Motor Type	Brushless DC Motor
Power input	1800 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Max Tip Size	0.039"
Max Flow	6.4 l/min (1.7 gpm)
Max Pressure	227 bar (3,300 psi)
Control	Digital
Overload Protection	With
Dimensions (LxWxH)	670 x 580 x 810 mm
Net Weight	61.1 kg (134.7 lb)
Characteristics / Certification	

# PE048 ENGINE AIRLESS PAINT SPRAYERS

Heavy-duty airless sprayer with petrol (gasoline) engine and digital electronic pressure control for up to 0.048" tips. Multiple gun capability. Excellent for heavy materials and long hose runs.



## Features

- 1. 6.5 HP Honda Engine for independent operation and plentiful power.
- 2. Electronic Pressure Control with LCD display for Pressure, Working Hours, and Diagnostic Messages.
- 3. Control System includes Auto Stop Function when paint is used up.
- 4. High-Durability Electromechanical Clutch.
- 5. Hours Display Button. (on back of control box)
- 6. High performance piston pump with long-life packings.
- 7. Built-In Tool Box for holding, tools, extra tips, and filter.
- 8. Quick-Release Pump for easy maintenance.
- 9. Large pneumatic wheels and sturdy frame.
- 10. Flexible Suction Hose.

**\* Without spray paint tube**

**Standard/Optional Accessories See P.144**

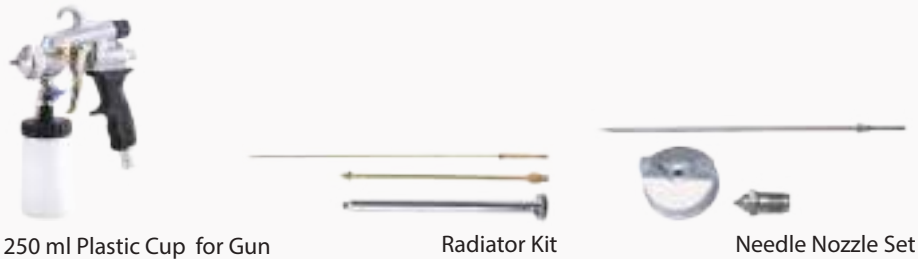
Model	PE048		
Engine Type	Honda GX200, Four Stroke Petrol (Gasoline)		
Power Rating	6.5HP		
Max. Tip Size (1 Gun)	0.048"	Max. Tip Size (3 Guns)	0.027"
Max. Tip Size (2 Guns)	0.035"	Max. Tip Size (4 Guns)	0.023"
Minimum Tip Size	0.023"		
Max Flow	8.3 l/min (2.2 gpm)		
Max Pressure	227 bar (3,300 psi)		
Pressure Control	Digital		
Max. Hose Length	100 m ( 300' )		
Dimensions (LxWxH)	810 x 640 x 850 mm		
Net Weight	74.5 kg (164.2 lb)		

# T328 HVLP TURBINE PAINT SPRAYER

High Volume, Low Pressure 3-stage turbine with up to 2800 l/min air flow rate for fine finish applications.



**OPTIONAL ACCESSORIES:**



250 ml Plastic Cup for Gun

Radiator Kit

Needle Nozzle Set

**Features**

1. 3-Stage Turbine with high output motor.
2. Infinitely variable Speed Control for fine-tuning airflow.
3. Non-bleeder HVLP Gun.
4. Easy access filter compartment.
5. Convenient storage space.
6. Carry handle at the balance point of the machine.
7. Hose with Quick-release couplings on both ends.

**Standard/Optional Accessories See P.145**  
**\* Without spray paint tube**

Model	T328
Power Input	1400 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Turbine	3 Stage
Airflow	2800 l/min
Max. Working Pressure	0.41 bar (6 psi)
Soft Start	With
Dimensions (LxWxH)	325 x 250 x 325 mm
Net Weight	8.9 kg (19.6 lb)

Characteristics / Certification

# Sprayer Accessories

## HA10 High Pressure Disinfectant Sprayer

Standard Accessories
7/8" Spray Gun
7/8" Tip Guard
510 Tip
15" (380 mm) Extension
Optional Accessories
Extensions



**a** 6.2L Hopper Kit

## EC021 Piston Pump Airless Paint Sprayer

Standard Accessories
Tommy Bar
Flexible Suction Hose
Throat Seal Oil (100 ml Squeeze Bottle)
Optional Accessories
Pump Filter Set
Replacement Pump Filter Screen
Gun - (Not incl. Tip Guard or Tip)
<b>a</b> 6.2L Hopper Kit
Pressure Gauge

## PM021LF / PM025LF Piston Pump Airless Paint Sprayers

Standard Accessories
Gun With Tip Guard and Tip (0.017")
Pump Filter w/ One Each 60 & 100 Mesh
Special Multi-Purpose Wrench
Flexible Suction Hose
Throat Seal Oil (100 ml Squeeze Bottle)
Tommy Bar
Optional Accessories
Pump Filter w/ 30 Mesh

## PM021 / PM025 Piston Pump Airless Paint Sprayers

Standard Accessories
Gun With Tip Guard and Tip (0.017 ")
Pump Filter w/ One Each 60 & 100 Mesh
Special Multi-Purpose Wrench
Rigid Suction Tube
Throat Seal Oil (100ml Squeeze Bottle)
Tommy Bar
Optional Accessories
Pump Filter w/ 30 Mesh

# Sprayer Accessories

## AC023 Air-Assisted Fine Finish Airless Paint Sprayer

Standard Accessories
Hopper Assembly (6.2 liter)
Special Multi-purpose Wrench
Pump Filter w/ One Each 60 and 100 Mesh
Throat Seal Oil (100 ml Squeeze Bottle)
Tommy Bar
Optional Accessories
1/4" Bonded Air & Fluid Hose 12 M ( L)
Pump Filter w/ 30 Mesh



**d** Inlet Strainer  
20 Mesh



**e** Inlet Strainer  
16 Mesh

## PM031 Piston Pump Airless Paint Sprayers

Standard Accessories
Gun With Tip Guard and Tip (0.031")
<b>d</b> Inlet strainer 20 Mesh
Pump Filter w/ One Each 60 & 100 Mesh
Special Multi-Purpose Wrench
Throat Seal Oil (100 ml Squeeze Bottle)
Tommy Bar
Optional Accessories
Pump Filter w/ 30 Mesh

## PM039 Piston Pump Airless Paint Sprayers

Standard Accessories
Gun With Tip Guard and Tip (0.031")
<b>e</b> Inlet strainer 16 Mesh
Pump Filter w/ One Each 60 & 100 Mesh
Special Multi-Purpose Wrench
Throat Seal Oil (100 ml Squeeze Bottle)
Tommy Bar
Optional Accessories
Pump Filter w/ 30 Mesh

## PE048 Engine Airless Paint Sprayers

Standard Accessories
Gun With Tip Guard and Tip (0.035")
Inlet strainer 8 Mesh
Pump Filter w/ One Each 60 & 100 Mesh
Special Multi-Purpose Wrench
Throat Seal Oil (100 ml Squeeze Bottle)
Tommy Bar
Optional Accessories
Pump Filter w/ 30 Mesh



# T328 HVLP Turbine Paint Sprayer

## Standard Accessories

Gun with 1.3mm Needle Nozzle Set

## Optional Accessories

Needle Nozzle Sets

Radiator Kit

250 ml Plastic Cup for Gun



**Air Hose**



**Needle Nozzle Set**



**Radiator Kit**

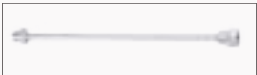


**HVLP Gun Set**



**HVLP Gun Set**

# Sprayer Accessories



**Tip Extensions**



**Pump Filter**



**Reverisble Tip, with Seat**



**Gun 7/8"**



**Tip Guard 7/8"**

## Tip Extensions

Tip Extensions 11/16" x 15"(L)

Tip Extensions 7/8" x 15"(L)

Tip Extensions 11/16" x 30"(L)

Tip Extensions 7/8" x 30"(L)

Tip Extensions 11/16" x 60"(L)

Tip Extensions 7/8" x 60"(L)

## Pump Filter

Pump Filter- 30 Mesh

Pump Filter- 60 Mesh

Pump Filter-100 Mesh

## Gun, Tip Guard And Tips

Gun 7/8"

Tip 521 (0.021")

Tip Guard 7/8"

Tip 523 (0.023")

Reverisble Tip, with Seat

Tip 525 (0.025")

Tip 513 (0.013")

Tip 529 (0.029")

Tip 215 (0.015")

Tip 531 (0.031")

Tip 315 (0.015")

Tip 533 (0.033")

Tip 515 (0.015")

Tip 535 (0.035")

Tip 517 (0.017")

Tip 537 (0.037")

Tip 519 (0.019")

Tip 539 (0.039")

## **GP255 COMPOUND MITER SAW** **GP255S SLIDE COMPOUND MITER SAW**

10" miter saws with AC induction motor. 60 mm x 100 mm cross cut capacity for the GP255.  
60 mm x 300 mm for the GP255S with slide action.



### **Features**

1. Single-phase induction motor for quiet operation, smooth speed, and long service life.
2. Mechanical Motor Brake. (optional)
3. Stepless miter lock screw.
4. Miter presets at the 9 popular angles right and left.
5. Extension Bars. (Optional: GP255S Only)
6. Vise Set.

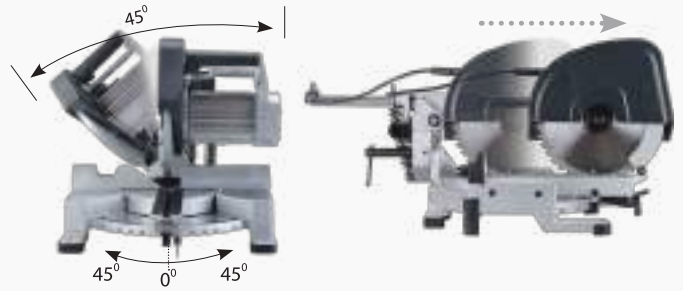
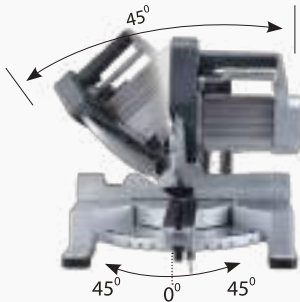
**Standard/Optional Accessories See P.149**




**GP255**



**GP255S**



Model	GP255 (Non-Slide)	GP255S (Slide)
Power Input	1200 W (certificate), 1600 W (actual)	
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load min <sup>-1</sup>	3000 (50 Hz), 3600 (60 Hz)	
Bevels	0 to 45 Degrees	
Miters	0 to 45 Degrees Left and Right	
Blade	254 mm (10")	
Arbor	30 mm (1-3/16") or 25.4 mm (1") ( Specify when ordering)	
Base Dimensions	460 X 450 mm	
Cutting Capacities	90 Degree Miter: 100 mm x 60 mm (4 x 2-3/8") 45 Degree Miter: 76 mm x 60 mm (3 x 2-3/8")	90 Degree Miter : 300 mm x 60 mm (11-13/16 x 2-3/8") 45 Degree Miter : 212 mm x 60mm (8-3/8 x 2-3/8")
Dimensions (LxWxH)	564 x 490 x 505 mm	670 x 490 x 505 mm
Net Weight	18.5 kg (40.8 lb)	19.5 kg (43 lb)
Characteristics / Certification	 <small>Only 220 V    Only 220 V</small>	

# DS1600 PLUNGE CUT CIRCULAR SAW

160 mm plunge cut saw with 55 mm depth of cut. Outstanding accuracy and control when used in conjunction with the optional guide rail.



Aluminum Guide Rail

## Features

1. Zero Degree Bevel Fine Adjustment.
2. Guide Clearance Adjustors.
3. Precise Bevel Angle Indication.
4. Onboard Hex Wrench Storage.
5. Adjustable Depth Stop.

**Standard/Optional Accessories See P.149**

Model	DS1600
Power Input	1150 W
Voltage	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load min <sup>-1</sup>	5500
Bevel Capability	0 to 45 Degrees
Max. Blade Diameter	160 mm (6-1/4")
Arbor	20 mm
Max. Depth (Straight)	55 mm (2-3/16")
Max. Depth (45°)	35 mm (1-3/4")
Soft Start & Overload Protection	With
Dimensions (LxWxH)	322 x 228 x 266 mm
Net Weight	4.8 kg (10.6 lb)
Characteristics / Certification	 <small>Only 220 V    Only 220 V</small>

# Wood Working Accessories

## GP255 Compound Miter Saw

Standard Accessories
255 mm 40T TCT Saw Blade x1 (Bore 30 mm or Bore 25.4 mm) (See p. 116)
M6 Hex Key
Lock Bar
M10 Open End Wrench
M12 Bevel Lock Lever
M24/27 Open-End Wrench
Optional Accessories
Other types of TCT Saw Blade
Motor Brake (Includes Lock Nut Wrench)
Vise Set
Vacuum Port

## GP255S Slide Compound Miter Saw

Standard Accessories
255 mm 40T TCT Saw Blade x1(Bore 30 mm or Bore 25.4 mm Positive Deg.) (See p. 116)
Vise Set
Motor Brake (Includes Lock Nut Wrench and Hex. Wrench M6)
Vacuum Port
M10 Open End Wrench
M12 Bevel Lock Lever
M24/27 Open-End Wrench
Optional Accessories
Other types of TCT Saw Blade
Extension Bar Set x 2

## DS1600 Plunge Cut Circular Saw

Standard Accessories
M5 Hex Key
160 mm 28T TCT Saw Blade (See p.116)
Optional Accessories
Guide Rail
Guide Rail Connector
Lever Clamp

**AGP**