

**DURO**

**YOKOTA**



THE MOST COMPREHENSIVE

# CORE DRILLING

DUST FREE SYSTEMS  
LIGHT & HEAVY DUTY  
WET & DRY CORES  
DRILL MOTORS & RIGS  
M CLASS VACUUMS  
ADAPTORS & ACCESSORIES

SYSTEMS AVAILABLE



# WHAT ARE YOU DRILLING?

**DRY DRILLING**  
LIGHT DUTY  
MATERIALS



**DRY, HAND-HELD DRILLING IN;**  
ALL LIGHT TO MEDIUM BRICK & BLOCK TYPES

PAGES 4 - 5 FOR CORE DRILLS AND DRILL MOTORS



**DRY DRILLING**  
LIGHT TO MEDIUM  
DUTY MATERIALS

**DRY, HAND-HELD DRILLING IN;**  
ALL BRICK & BLOCK TYPES  
CONCRETE & LIGHTLY REINFORCED CONCRETE

*NOT SUITABLE FOR HEAVILY REINFORCED CONCRETE*

PAGES 4 - 5 FOR CORE DRILLS AND DRILL MOTORS

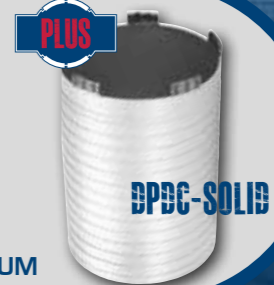


**DUST FREE  
DRILLING**  
LIGHT TO MEDIUM  
DUTY MATERIALS

**DUST FREE, HAND-HELD DRILLING IN;**  
ALL BRICK & BLOCK TYPES  
CONCRETE & LIGHTLY REINFORCED CONCRETE

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PAGES 6 - 7 FOR SOLID BARREL CORE DRILLS, DRILL MOTORS & VACUUM



**WET DRILLING**  
HEAVY DUTY  
MATERIALS

**WET, HAND / RIG MOUNTED DRILLING IN;**  
ALL BRICK & BLOCK TYPES  
CONCRETE  
LIGHTLY & HEAVILY REINFORCED CONCRETE TYPES

PAGES 8 - 9 FOR CORE DRILLS, DRILL RIGS & WATER TANKS



**DUST FREE  
DRILLING**  
HEAVY DUTY  
MATERIALS



**DUST FREE, RIG MOUNTED / HAND-HELD DRILLING IN;**  
ALL BRICK & BLOCK TYPES  
CONCRETE  
LIGHTLY & HEAVILY REINFORCED CONCRETE TYPES

PAGES 10 - 11 FOR CORE DRILLS, DRILL MOTORS, DRILL RIGS & VACUUM





# DRY DIAMOND CORE DRILLING SYSTEMS

FOR LIGHT & MEDIUM DUTY APPLICATIONS ( BRICK / BLOCK THROUGH TO CONCRETE )



## HAND HELD DRILLING PROCESS

# CORE - ADAPTOR - DRILL MOTOR

4 PERFORMANCE LEVELS

LINK TO MULTIPLE MACHINES AND EXTENS

THE DM52D IS THE IDEAL CORE DRILLING MOTOR

FOUR CORE OPTIONS



AD3-DRY ADAPTOR

DM52D MOTOR

### THE DRY CORE DRILLING PROCESS EXPLAINED

- Pre-drill a guide hole
- Use the a-taper guide rod fitted to the core/adaptor to align core
- Remove guide rod when core engages with material
- Continue drilling at correct speed but frequently pull core back from hole to clear dust / debris and reduce snagging
- The DUSDC option enables anti-snag drilling

## THE DM52D DRY DRILL MOTOR

THE PERFECT DRY CORE DRILL POWER TOOL

- > Light, highly efficient 1800 W - 110V soft percussion motor
- > 2 speed gearbox with clutch for a wide range of core drills - up to 182mm dia
- > Through-spindle dust extraction (for solid barrel cores only)
- > Switch-able soft percussion, soft start, overload and thermal protection.
- > Horizontal spirit level for precise alignment.
- > Side handle in-line with spindle centreline for best control.
- > AD3-DRY adaptor included - 1/2" BSP (M) to 1/2" BSP (M)
- > 2 in 1 Spindle - 1-1/4" UNC (M), 1/2" BSP (F)
- > 60mm collar allows for rig mounting if preferred
- > Oil bath gearbox and brushed motor for smooth running
- > Load Speeds > 1080 RPM (1) / 2160 (2)



AGP

## DURO DIAMOND CORE DRILL OPTIONS

DRY DRILLING  
LIGHT / MEDIUM DUTY  
MATERIALS



DUSDC

DPDC

DDC

DSDC

CAN BE USED ON	BRICK / BLOCK / CONCRETE	BRICK / BLOCK / CONCRETE	BRICK / BLOCK	BRICK / BLOCK
	All brick & block types Concrete Lightly reinforced concrete	All brick & block types Concrete Lightly reinforced concrete	All light to medium brick and block types	All light to medium brick and block types
FEATURES	10mm Turbo Castellated Increased Number Of Segments Laser Welded Anti-Snag Tapered Body Anti-Snag Narrow Segment Spiral Flute For Heat Reduction	10mm Turbo Rooftop Segments Laser Welded	10mm Turbo Segments Laser Welded	8mm Standard Segments Laser Welded
SIZE RANGE	38 to 152mm	22 to 175mm	28 to 202mm	28 to 162mm

5 PIECE CORE KITS AVAILABLE IN ALL PERFORMANCE LEVELS

## ADAPTORS & ACCESSORIES

### MUST HAVES FOR THE DRILLING PROCESS

- PILOT DRILL - To Drill Guide Hole
- GUIDE ROD - To Guide Core Into Cut
- DRIFT KEY - To Remove Guide Rod

### YOU NEED AN ADAPTOR DEPENDING ON THE POWER TOOL BEING USED

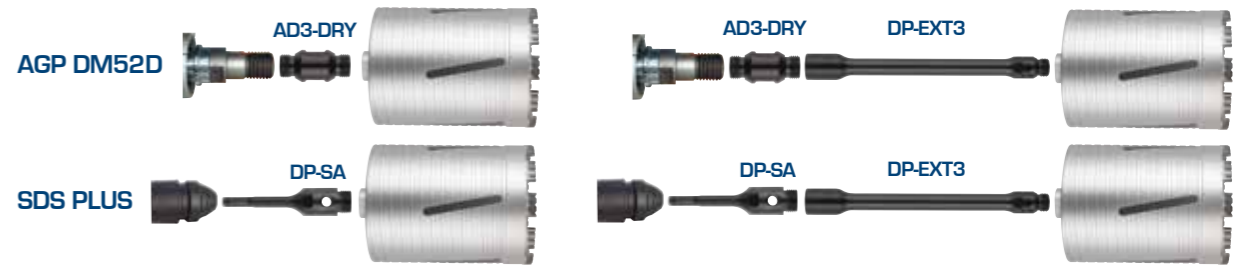
- DM52D AD3-DRY
- SDS MAX DP-SMAX-A
- SDS PLUS DP-SA
- 3 JAW CHUCK DP-CA

### IF YOU WANT TO DRILL DEEPER THEN YOU NEED THIS EXTENSION - TO FIT ANY ADAPTOR

- 200MM EXTENSION BAR DP-EXT3

ADDITIONAL ADAPTORS AND EXTENSIONS AVAILABLE FOR OTHER CONFIGURATIONS

### EXAMPLE CONNECTIONS



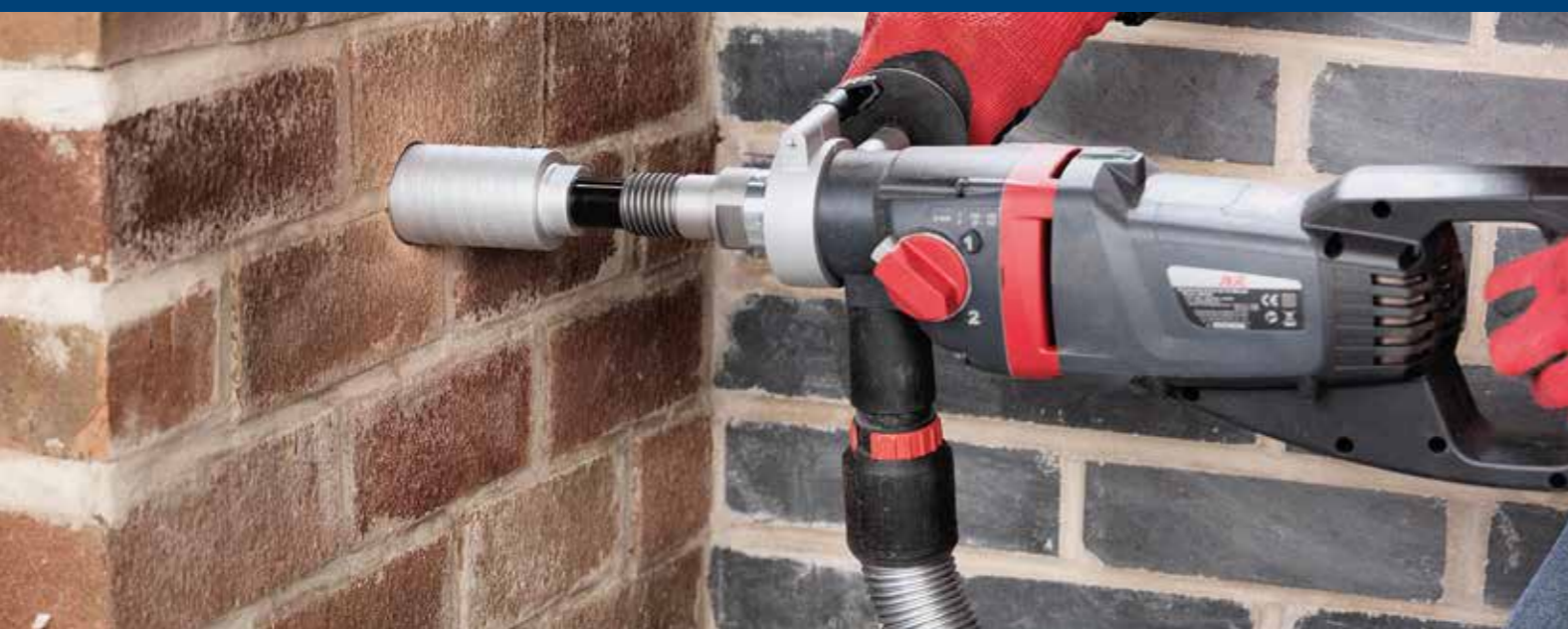
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# DUST FREE CORE DRILLING SYSTEMS

FOR LIGHT & MEDIUM DUTY APPLICATIONS ( BRICK / BLOCK THROUGH TO CONCRETE )



DUST FREE - HAND HELD DRILLING PROCESS

## CORE - ADAPTOR - MOTOR - VACUUM

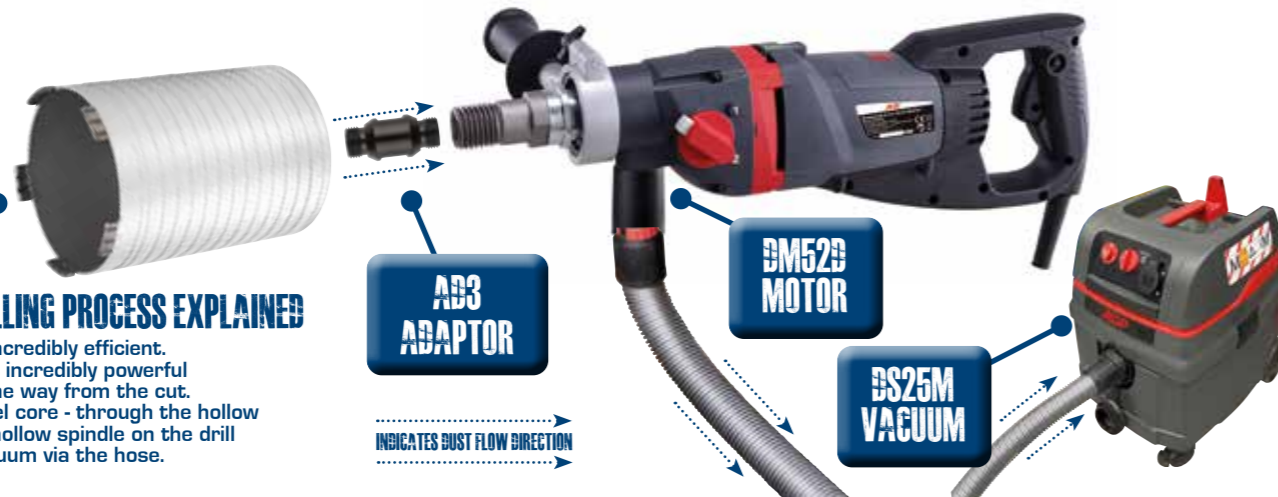
DURO PLUS PERFORMANCE

LINK TO MULTIPLE MACHINES AND EXTEND

DM52D - IDEAL CORE DRILL MOTOR

DS25M - M CLASS VACUUM UNIT

DPDC-SOLID CORE DRILL



### THE DUST FREE DRILLING PROCESS EXPLAINED

- A simple process but incredibly efficient.
- The DS25M Vacuum is incredibly powerful and pulls the dust all the way from the cut.
- Through the solid barrel core - through the hollow adaptor - through the hollow spindle on the drill motor and into the vacuum via the hose.
- 100% effective.

INDICATES DUST FLOW DIRECTION

## THE DS25M M-CLASS VACUUM **AGP**



An M-Class vacuum unit specially suited for use with power tools which create very fine dust – ideal for fine concrete, drywall and other fine dusts. Perfect for use during light & heavy core drilling using the DM52D, DD62 & DM6P drill motors.

- > Clog-resistant nano coated main filters
- > Magnetic pulse automatic filter cleaning for maximum efficiency
- > Over-full indicator light
- > 500W maximum output
- > Auto-start function for the connected power tool
- > Storage for accessories, hose and cable
- > 25L capacity - 1400W motor - 110v - 50-60Hz



DUST FREE DRILLING  
LIGHT TO MEDIUM  
DUTY MATERIALS

PLUS



### DPDC-SOLID

CAN BE USED ON

BRICK / BLOCK / CONCRETE

All brick & block types  
Concrete  
Lightly reinforced concrete

FEATURES

10mm Turbo Rooftop Segments

Laser Welded

Solid Barrel For Dust Extraction

Spiral Flute For Heat Reduction

150mm Overall Length

SIZE RANGE

32 to 175mm



## ADAPTORS & ACCESSORIES

MUST HAVES FOR THE DRILLING PROCESS

- PILOT DRILL - To Drill Guide Hole
- GUIDE ROD - To Guide Core Into Cut
- DRIFT KEY - To Remove Guide Rod

YOU MUST USE THE AD3 ADAPTOR WHICH IS HOLLOW AND ALLOWS THE DUST TO BE EXTRACTED



IF YOU WANT TO DRILL DEEPER THEN YOU NEED ONE OF THESE HOLLOW EXTENSIONS - TO FIT THE AD3



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# WET DIAMOND CORE DRILLING SYSTEMS

FOR HEAVY DUTY APPLICATIONS ( REINFORCED CONCRETE AND MORE )



## WET DRILLING - RIG MOUNTED DRILLING PROCESS

# CORE - DIRECT FIT TO - MOTOR - RIG - WATER BOTTLE

DURO ULTRA / PLUS PERFORMANCE

IDEAL CORE DRILL MOTOR & RIG COMBINATIONS

DP-DST-13L DUST SUPPRESSION WATER TANK

### THE WET CORE DRILLING PROCESS EXPLAINED

- This process is best undertaken rig-mounted.
- The DP-DST-13L, when under pressure forces water through the hose and directly into the DMC6P or DM12 water feed connections.
- The water is then passed directly through the DMC6P or DM12 hollow spindle, on through the barrel of the core and direct to the cutting face.
- 100% effective.



## WET DRILL MOTORS



USAGE	Wet & Dry	Wet Only
MAX CORE DIA	162mm Wet - 182mm Dry	350mm
SPEEDS	3 Speed	3 Speed
POWER	1700W	2800W
WEIGHT	6.4kg	12.9kg
HAND OR RIG	Hand Held or Rig Mounted	Rig Mounted Only
HOW MOUNTED	Collar Mounted	Machine Mounted
USE ON RIG NO.	B13 or B14	B16 or B32

### RIG OPTIONS FOR WET DRILL MOTORS



## WET DIAMOND CORE DRILL OPTIONS

WET DRILLING  
HEAVY DUTY  
MATERIALS



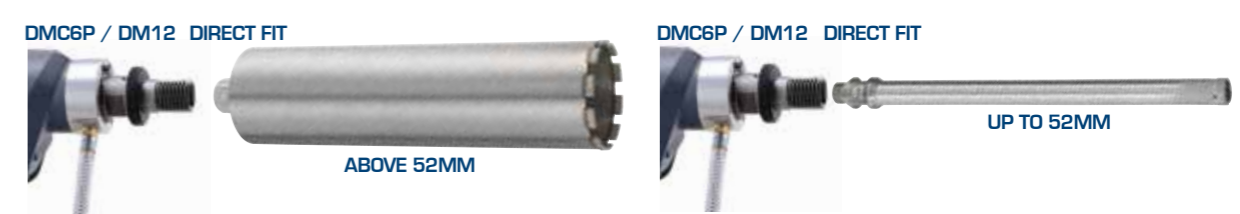
CAN BE USED ON **REINFORCED CONCRETE / BRICK**

All brick types - All block types - Concrete - Lightly Reinforced Concrete - Heavily Reinforced Concrete

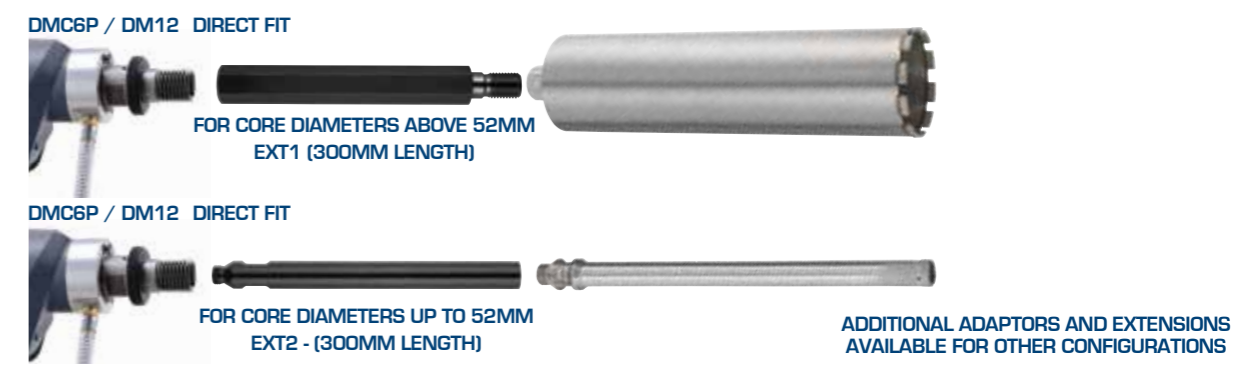
FEATURES	12mm Inverted V Crown	12mm K-Roof Turbo Segments	8mm Crown	10mm Turbo Roof-Top Segments
	Continuous Rim	Spaced Diamond Technology	Continuous Crown	Laser Welded
	Brazed	Laser Welded	Brazed	Laser Welded
	Ideal For Rig Mount Usage	Ideal For Rig Mount Usage	Ideal For Rig Mount Usage	Ideal For Rig Mount Usage
	200mm / 350mm O/A Length	450mm O/A Length	200mm / 350mm O/A Length	350mm / 450mm O/A Length
SIZE RANGE	18 to 52mm 1/2" BSP (M)	52 to 250mm 1-1/4 UNC(F)	10 to 32mm 1/2" BSP (M)	35 to 500mm 35 to 52mm - 1/2" BSP (M) 52mm to 500mm - 1-1/4 UNC(F)

## ADAPTORS

DUWC & DPWC CORES ARE DIRECT FIT TO RECOMMENDED DMC6P & DM12 DRILL MOTORS WITH WATER FEED CAPABILITY



IF YOU WANT TO EXTEND THE REACH OF YOUR DUWC & DPWC CORE DRILL THEN YOU NEED ONE OF THE FOLLOWING HOLLOW ADAPTORS



ADDITIONAL ADAPTORS AND EXTENSIONS AVAILABLE FOR OTHER CONFIGURATIONS



# DUST FREE CORE DRILLING SYSTEMS

FOR HEAVY DUTY APPLICATIONS ( REINFORCED CONCRETE AND MORE )



DUST FREE - RIG MOUNTED DRILLING PROCESS

## CORE - DIRECT FIT TO - MOTOR - RIG - VACUUM

DURO ULTRA PERFORMANCE

DD62/B14 - IDEAL CORE DRILL MOTOR & RIG COMBINATION

DS25M - M CLASS VACUUM UNIT

### THE DUST FREE DRILLING PROCESS EXPLAINED

- A simple process but incredibly efficient.
- The DS25M Vacuum is incredibly powerful and pulls the dust all the way from the cut.
- Through the solid barrel core - through the hollow adaptor - through the hollow spindle on the drill motor and into the vacuum via the hose.
- 100% effective.



## DD62 DRY DRILL MOTOR



- > Heavy Duty 1700 W - 110V motor
- > 2 speed gearbox & clutch
- > Drill 162mm in reinforced concrete & 202mm in brick
- > Through-spindle dust extraction
- > Switch-able soft percussion
- > Smart Electronic Control
- > Soft-start, thermal & overload protection
- > Metal construction - optimal cooling, durability & strength
- > LED indicator for overload and overheat warning
- > Waterproof and dust proof Hall Effect Switch
- > Built in vertical and horizontal levels for precision
- > 2 in 1 Spindle - 1-1/4" UNC (M), 1/2" BSP (F)
- > Hand Held use or in-built 60mm collar for rig mounting
- > Side Handle in-line with spindle centreline for control

### B14 DRILL RIG

- > Part of our extended range of drill rigs
- > Up to 200mm diameter / 10.9 kg
- > 0 to 45° drilling angle / Double spirit levels
- > Use with integral vacuum base or fixing anchors



DUST FREE DRILLING HEAVY DUTY MATERIALS

## DUST FREE CORE DRILL OPTION

ULTRA



DUBCC

65 to 202mm are 1-1/4" UNC (F)



32, 42 & 52mm are 1/2" BSP (M)

CAN BE USED ON

REINFORCED CONCRETE / BRICK

- All brick types
- All block types
- Lightly Reinforced Concrete
- Heavily Reinforced Concrete

FEATURES

10mm Rooftop Segments
Laser Welded
Solid Barrel For Dust Extraction
Rig Mounted Usage
300mm Overall Length

SIZE RANGE

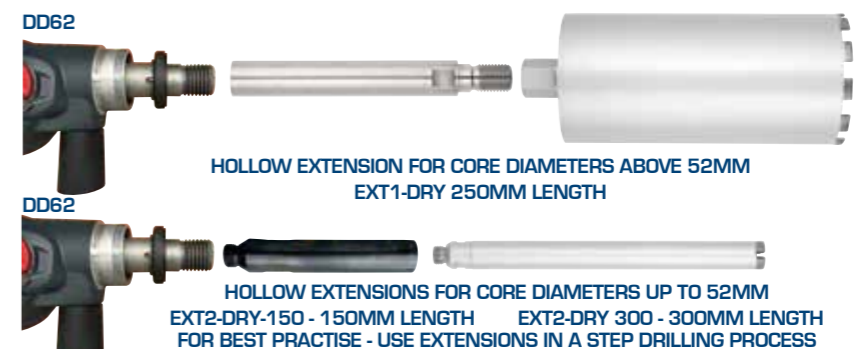
32 to 202mm

## ADAPTORS




DUBCC CORES ARE DIRECT FIT TO THE RECOMMENDED DD62 DRY DRILL MOTOR - FITTED WITH THROUGH SPINDLE DUST EXTRACTION CAPABILITY



IF YOU WANT TO EXTEND THE REACH OF YOUR DUBCC CORE DRILL THEN YOU NEED ONE OF THE FOLLOWING HOLLOW ADAPTORS



## CORE DRILL APPLICATIONS

MATERIAL TYPE								
	DUSDC	DPDC	DDC	DSDC	DUWC	DPWC	DUDCC	DPDC-SOLID
<b>HARD/DENSE MATERIALS</b>	DRY CUTTING				WET CUTTING		DUST FREE CUTTING	
Class A Engineering Bricks								
Flint Aggregate Common								
Class B Engineering Bricks								
Lightly Reinforced Concrete								
Heavily Reinforced Concrete								
Concrete								
Hard York Stone								
London Brick								
General House Brick								
Handmade Bricks								
Facing Bricks								
Lightweight Concrete Block								
Breeze Block								
Abrasive Sand / Grit Stone								
<b>SOFT/ABRASIVE MATERIALS</b>								

Highly Suited
  Suitable With Reservations
  Not suitable

## CORE DRILL SPEED RECOMMENDATIONS

DRY DIAMOND / DUST FREE ( LIGHT/MEDIUM DUTY )			
22 mm	3,000 RPM	107 mm	625 RPM
28 mm	2,380 RPM	112 mm	600 RPM
32 mm	1,900 RPM	117 mm	570 RPM
38 mm	1,760 RPM	127 mm	520 RPM
42 mm	1,600 RPM	132 mm	490 RPM
48 mm	1,400 RPM	142 mm	470 RPM
52 mm	1,280 RPM	152 mm	440 RPM
65 mm	1,030 RPM	158 mm	380 RPM
78 mm	860 RPM	162 mm	350 RPM
92 mm	800 RPM	175 mm	320 RPM
102 mm	750 RPM	202 mm	300 RPM

WET DIAMOND / DUST FREE ( HEAVY DUTY )	
8-29 mm	3,000 RPM
30-45 mm	1,500 RPM
46-65 mm	1,200 RPM
66-89 mm	900 RPM
90-125 mm	600 RPM
126-200 mm	450 RPM
201-400 mm	300 RPM
400-500 mm	200 RPM



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