



**FOR DUST FREE DRILLING
USE WITH DS25M VACUUM**



DRY DIAMOND CORE DRILLS
DPDC-SOLID
LIGHT / MEDIUM DUTY
DUST FREE DRILLING



APPLICATIONS - BRICK / BLOCK / CONCRETE

HARD / DENSE MATERIAL	
	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 / GRITSTONE

SOFT / ABRASIVE MATERIAL	
	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 / GRITSTONE

HIGHLY SUITED
 SUITABLE WITH RESERVATIONS
 NOT SUITABLE

EXCELLENT PERFORMANCE & OUTPUT

USE ME FOR

- Hard York stone
- All brick types
- Lightweight concrete block / Breeze block
- Concrete
- Lightly reinforced concrete

FEATURES

- Segments > 10mm
- Segments > Turbo roof top design
- Bonding > Laser welded
- Barrel > Solid barrel to enable dust extraction
- Barrel > Spiral flute for heat reduction
- Perform > Excellent performance & output

SIZES

DIMENSIONS	DPDC
38 x 150 x R½	38DPDC-SOLID
42 x 150 x R½	42DPDC-SOLID
48 x 150 x R½	48DPDC-SOLID
52 x 150 x R½	52DPDC-SOLID
65 x 150 x R½	65DPDC-SOLID
78 x 150 x R½	78DPDC-SOLID
92 x 150 x R½	92DPDC-SOLID
102 x 150 x R½	102DPDC-SOLID
107 x 150 x R½	107DPDC-SOLID
117 x 150 x R½	117DPDC-SOLID
127 x 150 x R½	127DPDC-SOLID
152 x 150 x R½	152DPDC-SOLID
175 x 150 x R½	175DPDC-SOLID

R½ = ½" BSP (F) Fitting

DRY DIAMOND CORE DRILL SPEED RECOMMENDATIONS

38 mm	1,760 RPM
42 mm	1,600 RPM
48 mm	1,400 RPM
52 mm	1,280 RPM
65 mm	1,030 RPM
78 mm	860 RPM
92 mm	800 RPM
102 mm	750 RPM
107 mm	625 RPM
117 mm	570 RPM
127 mm	520 RPM
152 mm	440 RPM
175 mm	320 RPM

- Speed may be adjusted to suit site conditions
- For very abrasive materials an increase in drill speed (rpm) will prolong life
- For harder materials, decrease the drill speed to prevent overheating
- Machine and material are the controlling factors to the life and speed of the core
- Correct machine speed & best practice determines overall performance



ALTERNATIVE PRODUCTS

FULL LIST OF ACCESSORIES INCLUDING PILOT DRILLS, ADAPTORS, GUIDE ROBS, DRIFT KEYS & EXTENSIONS AVAILABLE



DDC-RAPIDE - SUPER FAST VACUUM BRAZED

ACCESSORIES & PROCESS DIAGRAMS

ORDER LINE: 01909 552470

EMAIL: INFO@DURO-YOKOTA.CO.UK

WWW.DURO-DIAMONDS.COM



DRY CORE DRILLING OF LIGHT DUTY APPLICATIONS - HAND HELD INTERNAL AND EXTERNAL- NO OPTION OR REQUIREMENTS FOR DUST EXTRACTION

BRICK / BLOCK / CONCRETE

All brick & block types
Concrete
Lightly reinforced concrete

BRICK / BLOCK

All light to medium brick
and block types

BRICK / BLOCK / CONCRETE

All brick & block types
Concrete
Lightly reinforced concrete

CORE DRILL OPTIONS



ULTRA DUSBC
38 - 152 mm



PLUS DPBC
32 - 175 mm



STANDARD DDC
38 - 202 mm



BASIC BSBC
38 - 162 mm



STANDARD BDC-RAPIDE
38 - 175 mm

EXTENSION OPTIONS

DIRECT FIT



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

ADAPTORS

AD3-DRY (A-TAPER)

DP-SA

DP-SMAX-A

DP-CA

DD100AM

DD130AM

DD110-DRY

MK-AD

POWER TOOL / DRILL MOTOR



DM52B

DM62

DM6P

SBS PLUS

SBS MAX

3 JAW CHUCK

HILTI

MAKITA M13

HEAVY DUTY DRILL MOTOR
Standard materials - 202 mm Max diameter (hand held or rig mounted)
Reinforced concrete- 162 mm Max diameter (rig mounted) / 82 mm Max (hand Held)

HEAVY DUTY DRILL MOTOR
Standard materials - 262 mm Max diameter (hand held or rig mounted)
Reinforced concrete- 162 mm Max diameter (rig mounted) / 82 mm Max (hand Held)

LIGHT DUTY DRILL MOTOR - 182 mm Max diameter in standard brick & block (hand held or rig mounted)



DRY CORE DRILLING OF LIGHT DUTY APPLICATIONS WHERE DUST EXTRACTION IS REQUIRED



BRICK / BLOCK / CONCRETE

All brick & block types
Concrete
Lightly reinforced concrete



DPDC-SOLID
32 - 175 mm

THE DUST FREE DRILLING PROCESS

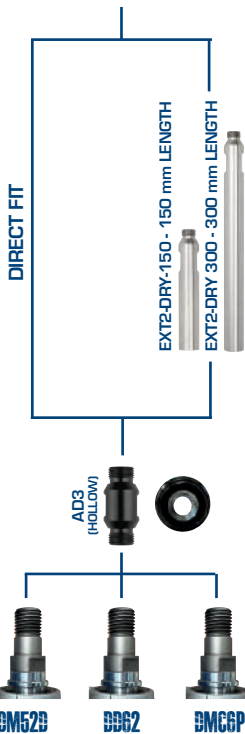
- A simple but incredibly efficient process enables core drilling in any environment - indoor or outdoor with minimal dust creation
- Use a suitable drill motor with a through spindle dust extraction system such as the DM52D (page 172)
- Attach the DURO AD3 hollow core drill adaptor
- Attach the solid barrel DURO DPDC-SOLID core
- Connect the DS25M vacuum to the dust extraction port
- During the drilling operation, the high-performance DS25M vacuum system efficiently extracts dust from the drilling face
- Dust is extracted through the solid barrel core, then directed through the hollow adaptor and the hollow spindle of the drill motor, before being drawn into the vacuum system via the connected hose
- The system is 100% effective
- To extend the reach of the core use either the EXT2DRY-150 or EXT2DRY-300 hollow extension bars

CORE DRILL OPTIONS

EXTENSION OPTIONS

ADAPTOR

DRILL MOTOR





DRY DIAMOND CORE DRILL APPLICATIONS



MATERIAL TYPE

	DUSDC	DPDC	DDC	DSDC	DPDC SOLID	DDC RAPIDE
	DRY CUTTING				DUST FREE	VACUUM
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						

SOFT/ABRASIVE MATERIALS

	Highly Suited		Suitable With Reservations		Not Suitable Do Not Use
--	---------------	--	----------------------------	--	-------------------------

ADDITIONAL DDC-RAPIDE MATERIALS

Tile						
Clay Products						
Roof Tiles						
Wood With Nails						
Wood						
Plastics						

DRY DIAMOND CORE DRILL SPEED RECOMMENDATIONS

22 mm	3,000 RPM
28 mm	2,380 RPM
32 mm	1,900 RPM
38 mm	1,760 RPM
42 mm	1,600 RPM
48 mm	1,400 RPM
52 mm	1,280 RPM
65 mm	1,030 RPM
78 mm	860 RPM
92 mm	800 RPM
102 mm	750 RPM

107 mm	625 RPM
112 mm	600 RPM
117 mm	570 RPM
127 mm	520 RPM
132 mm	490 RPM
142 mm	470 RPM
152 mm	440 RPM
158 mm	380 RPM
162 mm	350 RPM
175 mm	320 RPM
202 mm	300 RPM



PLUS

PILOT DRILLS / ADAPTORS / GUIDE ROD / DRIFT / EXTENSIONS

ACCESSORIES

USE ME FOR

Adapting to a variety of machine types
Extending the reach of the core drills

Options for DURO dust free drilling

- > Maximum strength & durability / Premium grade steel
- > SDS Plus, SDS Max, Hex & Hilti adaptors
- > Extensions Rods / Pilot Drills / Guide Rod / Drift Key
- > Dust free adaptors and extensions

FEATURES

SIZE RANGE / CODE

STANDARD & VACUUM BRAZED DRY CORE DRILLING

A-Taper Pilot - 10 x 225 mm (USE WITH DP-GR)	10x225-ATAPERP
A-Taper Pilot - 13 x 320 mm	DP-MD-A
SDS Plus Masonry Pilot Drill - 13 x 450 mm	13.0x450DP-SPLUS
3 Jaw Adaptor - 1/2" BSP (M)	DP-CA
3 Jaw Adaptor Pack	DP-CAP
SDS Plus Adaptor - 1/2" BSP (M)	DP-SA
SDS Plus Adaptor Pack	DP-SAP
SDS Plus Adaptor - 1/2" BSP (F) (For A Wet Core)	DP-SDS-1/2"F
SDS Max Adaptor - 1/2" BSP (M)	DP-SMAX-A
1/2" BSP (M) to 1/2" BSP (M) Adaptor - A Taper Int	AD3-DRY
Hilti DD100 Adaptor to 1/2" BSP (M)	DD100AM
Hilti DD130 Adaptor to 1/2" BSP (M)	DD130AM
Hilti M27 to 1/2" BSP (M)	DD110-DRY
A-Taper Universal Guide Rod	DP-GR
Drift Key	DP-DK
200 mm EXT - 1/2" BSP (F) to 1/2" BSP (M) - 'A' Taper Int	DP-EXT3
250 mm EXT - 1/2" BSP (F) to 1/2" BSP (M) - 'A' Taper Int	EXT3-M
M18x2.5mm Pitch (F) TO 1/2" BSP (M) - 'A' Taper Int	MK-AD

DUST FREE CORE DRILLING

Hollow Core Adaptor - 1/2" BSP (M) to 1/2" BSP (M)	AD3
150 mm Hollow Extension - 1/2" BSP (F) to 1/2" BSP (M)	EXT2-DRY-150
300 mm Hollow Extension - 1/2" BSP (F) to 1/2" BSP (M)	EXT2-DRY-300

ADAPTORS & EXTENSIONS

STANDARD DRY CORE DRILLING

DUST FREE CORE DRILLING

DP-CA DP-SA DP-SMAX-A MK-AD DD100AM DD130AM DD110-DRY AD3-DRY DP-EXT3

AD3 EXT2-DRY-300



DRIFT KEY



A-TAPER PILOT



GUIDE ROD

