



RAPIDE

VACUUM BRAZED



DRY DIAMOND CORE DRILLS
DDC-RAPIDE
LIGHT / MEDIUM DUTY
VACUUM BRAZED
BRICK / BLOCK / CONCRETE
WOOD / PLASTICS / TILE
CLAY / ROOF TILE

60% FASTER
Than Pro Segmented Cores

59 SECONDS
To Drill Through A Concrete Block vs Over 2-1/2 Minutes With A Pro Segmented Core

100% SAFER
Than All Segmented Cores With No Segment Loss

LESS Machine Wear
User Fatigue
Dust Created

DRILL All Bricks
Concrete
Breeze Block
And Clay/Plasterboard/Tile
Wood /Plastics /Fiberglass

CONSISTENT
Speed

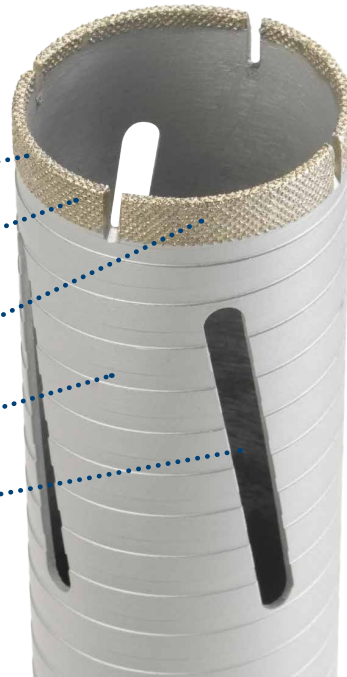
VACUUM BRAZED
DRILLING EDGE

SPACED DIAMOND
TECHNOLOGY

NO SEGMENTS
MEANS NO SEGMENT LOSS

SPIRAL FLUTED
BARREL

DUST REMOVAL
SLOTS



**GREAT
PERFORMANCE & OUTPUT**

APPLICATIONS

**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**

TILE	
CLAY PRODUCTS	
ROOF TILES	
WOOD WITH NAILS	
WOOD	
PLASTICS	

**ADDITIONAL
DDC-RAPIDE
MATERIALS**

HIGHLY SUITED SUITABLE WITH RESERVATIONS NOT SUITABLE

SIZES

DIMENSIONS	DDC-RAPIDE
38 x 150 x R1/2	38DDC-RAPIDE
42 x 150 x R1/2	42DDC-RAPIDE
52 x 150 x R1/2	52DDC-RAPIDE
65 x 150 x R1/2	65DDC-RAPIDE
78 x 150 x R1/2	78DDC-RAPIDE
92 x 150 x R1/2	92DDC-RAPIDE
102 x 150 x R1/2	102DDC-RAPIDE
107 x 150 x R1/2	107DDC-RAPIDE
117 x 150 x R1/2	117DDC-RAPIDE
127 x 150 x R1/2	127DDC-RAPIDE
152 x 150 x R1/2	152DDC-RAPIDE
175 x 150 x R1/2	175DDC-RAPIDE
202 x 150 x R1/2	202DDC-RAPIDE

R1/2 = 1/2 BSP (F) Fitting

ALTERNATIVE PRODUCTS

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



PLUS
DPBC-SOLID - DUST FREE DRILLING

USE ME FOR

Hard York stone / All brick types
Lightweight concrete block / Breeze block
Concrete / Lightly reinforced concrete
Wood / Wood with nails / Plastics / Tile
Clay products / Roof tiles / Fibreglass

FEATURES

Drilling Edge > Vacuum brazed - 10mm depth to reduce snagging
Matrix > Spaced Diamond Technology
Bond > Vacuum brazed
Barrel > Spiral fluted barrel with dust removal slots
Speed > Very fast drilling
Perform > Great performance & output

DRY DIAMOND CORE DRILL SPEED RECOMMENDATIONS

38 mm	1,760 RPM	107 mm	625 RPM
42 mm	1,600 RPM	117 mm	570 RPM
52 mm	1,280 RPM	127 mm	520 RPM
65 mm	1,030 RPM	152 mm	440 RPM
78 mm	860 RPM	175 mm	320 RPM
92 mm	800 RPM	202 mm	300 RPM
102 mm	750 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

NEW



DDC-RAPIDE CORE KIT

DDC-KITS5-RAPIDE

- 5 piece kit in plastic carry case
- Core sizes included - 42, 52, 65, 117 & 127 mm
- Adaptors - SDS Plus & Hex
- Extension & guide rod
- 350 mm pilot drill & drift key

**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 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
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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

