

GENERAL CATALOGUE

drilling / cutting / sawing

TABLE OF CONTENTS

• DRILLING	• pag. 3
• HAND-HELD CORE DRILLS	• pag. 5
• HAND-HELD CORE DRILLS WITH DRILL STAND	• pag. 6
• CORE DRILL KITS FOR SPECIFIC APPLICATIONS	• pag. 10
• core drill kit for marble/granite/stone	• pag. 10
• core drill kit for plumbers	• pag. 11
• core drill kit for chimneys, heating systems fitters	• pag. 13
• core drill kit for electricians	• pag. 13
• DRILLING WITH DRILL STAND	• pag. 14
• CORE DRILLING SYSTEMS - SINGLE-PHASE 230 V	• pag. 15
• CORE DRILLING SYSTEMS - THREE-PHASE 380-400 V	• pag. 19
• ACCESSORIES FOR CORE DRILLING SYSTEMS	• pag. 21
• EXTRA LONG COLUMN DRILL STAND	• pag. 21
• SEMI-AUTOMATIC FEEDING SYSTEM	• pag. 21
• ACCESSORIES FOR CORE DRILLS AND CORE DRILLING SYSTEMS	• pag. 22
• BLADE CUTTING	• pag. 26
• ELECTRIC HAND-HELD BLADE SAWS	• pag. 27
• WALL CHASER	• pag. 31
• SAWING	• pag. 32
• CHAINSAWS	• pag. 33
• SYSTEMS	• pag. 37
• DA VINCI SYSTEM	• pag. 37
• DIAMOND TOOLS	• pag. 40
• DIAMOND CORE BITS	• pag. 41
• DIAMOND BLADES	• pag. 44



About us

We are CARDI, a leading manufacturer of diamond drilling, cutting and sawing solutions for the construction industry.

We have launched our first core drill in 1985 and we have come a long way since then. Today general contractors, construction workers and professional drilling and cutting companies, like you, can count on CARDI's wide range of diamond core drills, blade saws, chainsaws and diamond tools.

We know its tough out there on the field. That's why each of our power tools is made to ensure top-notch quality and reliability. All our products are designed and manufactured with passion, expertise and craftsmanship by our team in Italy.

We have been pioneers in technological development throughout the years, launching innovative products as the first single-phase chainsaw, the powerful 3-phase water-cooled core drill motors and innovative electronic and mechanical safety features as the CARDI TOTAL PROTECTION SYSTEM.

Our latest innovation, DIAMOND PULSE-TECH, is an advanced hybrid drilling technology that is revolutionizing the drilling industry.

Take a look at our drilling, cutting and sawing range.

We are looking forward to helping you find the right solution for your job and to making it easier, everyday.

Why choosing CARDI?

QUALITY

• Made in Italy, by CARDI

- All our products are designed and manufactured in our plant near Milan, Italy, ensuring control over quality in each phase, from design to assembly

• Developed to last longer

- Each component is designed to last longer, using selected materials and leveraging manufacturing processes fine-tuned in 35 years of company history

• Passing the toughest tests

- Every product passes the toughest, most comprehensive tests in the industry
 - Proprietary tests were developed and added to simulate the on-load conditions on the field, to ensure a higher product life and reliability

INNOVATION

• At the technological frontier

- High and continuous investments in R&D are being made to ensure our products keep being at the forefront of technology, to provide better solutions to the users' problems

• Delivering real innovations

- COCCODRILLO35: single-phase diamond chainsaw for construction workers
 - FR range: powerful 3-phase water-cooled core drill motors
 - DIAMOND PULSE-TECH: innovative core drills with advanced hybrid technology with micro-percussion, to drill dry and wet with unmatched speed
 - CARDIFACILE: device to easily and quickly release the diamond core bit

SUPPORT

• CARDI commercial and technical support

- A dedicated sales support is available to help on any commercial or technical question

• Global network of dealers and service centers

- A worldwide network of authorized dealers is there to provide support
 - A global network of authorized service centers is available to provide technical service, with CARDI-trained mechanics handling repairs according to CARDI standards

• Fast-track for spare parts

- CARDI warehouse can ship spare parts globally within 48h in case of need

SAFETY

• CARDI TOTAL PROTECTION SYSTEM

- A combination of functions, electronic and mechanical, is present in each machine and works in synergy to ensure top-level protection for the operator and the product itself

• Setting the standards

- Safety has always been our utmost priority and we strive to anticipate and implement improvements that increase the safety for the operator, setting the standard for the industry

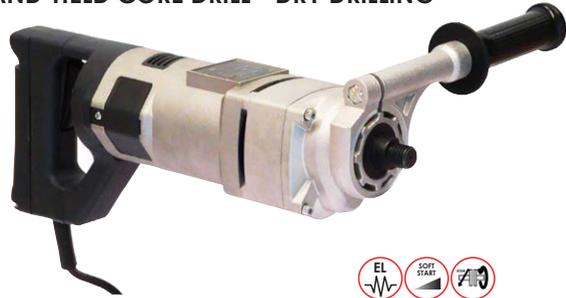


Made in Italy



T2000 MS-13

HAND-HELD CORE DRILL - DRY DRILLING



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	162	162	300



dry drilling diamond core bits M16 - L=150 mm, see pag. 41



TECHNICAL SPECIFICATIONS		T2000 MS-13	
POWER (230 V)	W	2,000 (MAX 2,400)	
R.P.M. IDLE / ON LOAD	r.p.m.	1,990 / 1,360	
DRILLING RANGE IN MASONRY / ABRASIVE	Ø mm	32 - 162	
DRILLING RANGE IN CONCRETE	Ø mm	32 - 162	
BIT SPINDLE CONNECTION	---	M18 x 2.5	
MATERIALS TO BE DRILLED		see chart on page 4	
WEIGHT	Kg	4.8	
SUPPLIED INTO		PLASTIC CASE	

ACCESSORIES



506134 - SDS PLUS bit Ø.12 L=260 mm
503134 - extension M16 L=300 mm
DPT H COMPACT dust extractor

T2000 MA-14

HAND-HELD CORE DRILL DRY DRILLING DUST EXTRACTION SYSTEM



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	162	162	400
	202	162	500

core bits 1 1/4 - L=250 mm for dust extraction, see pag. 41



ACCESSORIES



501370 - extension 1 1/4 300 mm ALU

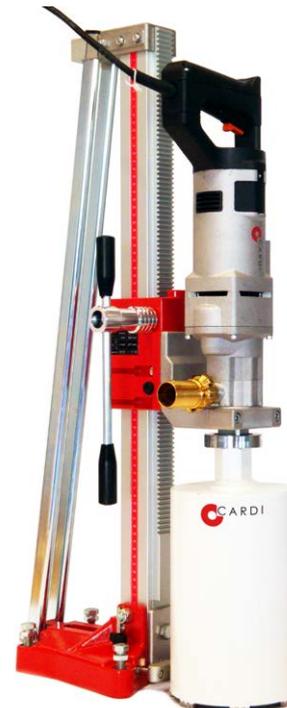
DPT H COMPACT dust extractor
L180 - tilting core drill stand



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	162	162	400
	202	182	500

CARDI 183

HAND-HELD CORE DRILL WITH DRILL STAND



T2000 ME-14

HAND-HELD CORE DRILL DRY & WET DRILLING WITH DUST EXTRACTION SYSTEM



TECHNICAL SPECIFICATIONS		T2000 ME-14	
POWER (230 V)	W	2,000 (MAX 2,400)	
R.P.M. IDLE / ON LOAD	r.p.m.	1,410 / 960	
DRILLING RANGE IN MASONRY / ABRASIVE	Ø mm	32 - 202	
DRILLING RANGE IN CONCRETE	Ø mm	32 - 182	
MAX RECOMMENDED HAND-HELD DRILLING	Ø mm	162	
BIT SPINDLE CONNECTION	---	1 1/4 UNC	
MATERIALS TO BE DRILLED		see chart on page 4	
WEIGHT	Kg	5.6	
SUPPLIED INTO		PLASTIC CASE	

TECHNICAL SPECIFICATIONS - CORE DRILL WITH STAND		CARDI 183	
CORE DRILL MODEL		T2000 ME-14	
DRILL STAND MODEL		L 180	
DRILL STAND TILTING UP TO		45°	
WEIGHT (CORE DRILL + DRILL STAND)	Kg	5.6 + 10	
CORE DRILL SUPPLIED INTO		PLASTIC CASE	

ACCESSORIES



core bits 1 1/4 - L=250 mm for dust extraction, see pag. 41
core bits 1 1/4 - L=450 mm wet drilling, see pag. 42

T2200 ME-24

HAND-HELD CORE DRILL DRY & WET DRILLING WITH DUST EXTRACTION SYSTEM



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	182	182	400
	202	202	700



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	182	182	400
	250	202	900

T1 MU-EL

HAND-HELD CORE DRILL WET DRILLING FOR HEAVY DUTY USE



TECHNICAL SPECIFICATIONS		T1 MU-EL	
POWER (230 V)	W	2,200 (MAX 2,500)	
R.P.M. IDLE / ON LOAD	SPEED I	r.p.m.	750 / 530
	SPEED II	r.p.m.	1,800 / 1,280
	SPEED III	r.p.m.	2,500 / 1,780
DRILLING RANGE IN MASONRY / ABRASIVE		Ø mm	20 - 250
DRILLING RANGE IN CONCRETE		Ø mm	20 - 202
MAX RECOMMENDED HAND-HELD DRILLING		Ø mm	182
BIT SPINDLE CONNECTION		---	1"1/4 UNC + 1/2G
MATERIALS TO BE DRILLED		see chart on page 4	
WEIGHT	Kg	7.3	
SUPPLIED INTO		PLASTIC CASE	

CARDI 185

HAND-HELD CORE DRILL WITH DRILL STAND

CARDI 187

HAND-HELD CORE DRILL WITH DRILL STAND



TECHNICAL SPECIFICATIONS - CORE DRILL WITH STAND		CARDI 187	
CORE DRILL MODEL		T1 MU-EL	
DRILL STAND MODEL		L 180	
DRILL STAND TILTING UP TO		45°	
WEIGHT (CORE DRILL + DRILL STAND)	Kg	7.3 + 10.9	
CORE DRILL SUPPLIED INTO		PLASTIC CASE	

ACCESSORIES



core bits 1"1/4 - L=450 mm wet drilling, see pag. 42



TECHNICAL SPECIFICATIONS		T2200 ME-24	
POWER (230 V)	W	2,200 (MAX 2,500)	
R.P.M. IDLE / ON LOAD	SPEED I	r.p.m.	790 / 560
	SPEED II	r.p.m.	1,440 / 1,030
	SPEED III	r.p.m.	2,500 / 1,780
DRILLING RANGE IN MASONRY / ABRASIVE		Ø mm	32 - 202
DRILLING RANGE IN CONCRETE		Ø mm	32 - 202
MAX RECOMMENDED HAND-HELD DRILLING		Ø mm	182
BIT SPINDLE CONNECTION		---	1"1/4 UNC
MATERIALS TO BE DRILLED		see chart on page 4	
WEIGHT	Kg	7	
SUPPLIED INTO		PLASTIC CASE	

TECHNICAL SPECIFICATIONS - CORE DRILL WITH STAND		CARDI 185	
CORE DRILL MODEL		T2200 ME-24	
DRILL STAND MODEL		L 180	
DRILL STAND TILTING UP TO		45°	
WEIGHT (CORE DRILL + DRILL STAND)	Kg	7 + 10	
CORE DRILL SUPPLIED INTO		PLASTIC CASE	

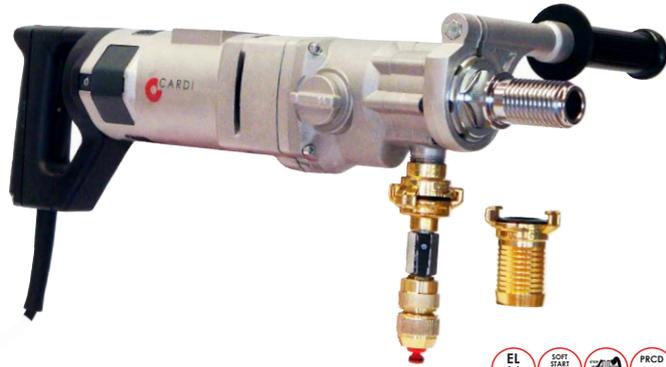
ACCESSORIES



core bits 1"1/4 - L=450 mm wet drilling, see pag. 42

T1 ME-EL

HAND-HELD CORE DRILL DRY & WET DRILLING WITH DUST EXTRACTION SYSTEM FOR HEAVY DUTY USE



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	182	182	400
	250	202	900



TECHNICAL SPECIFICATIONS		T1 ME-EL
POWER (230 V)	W	2,200 (MAX 2,500)
R.P.M. IDLE / ON LOAD	SPEED I r.p.m.	750 / 530
	SPEED II r.p.m.	1,800 / 1,280
	SPEED III r.p.m.	2,500 / 1,780
DRILLING RANGE IN MASONRY / ABRASIVE	Ø mm	20 - 250
DRILLING RANGE IN CONCRETE	Ø mm	20 - 202
MAX RECOMMENDED HAND-HELD DRILLING	Ø mm	182
BIT SPINDLE CONNECTION	---	1"1/4 UNC
MATERIALS TO BE DRILLED		see chart on page 4
WEIGHT	Kg	7.3
SUPPLIED INTO		PLASTIC CASE

CARDI 189

HAND-HELD CORE DRILL WITH DRILL STAND



THE KIT CARDI 202-K IS SUPPLIED IN THE HEAVY DUTY PLASTIC CASE WITH WHEELS

TECHNICAL SPECIFICATIONS - CORE DRILL WITH STAND		CARDI 189
CORE DRILL MODEL		T1 ME-EL
DRILL STAND MODEL		L 180
DRILL STAND TILTING UP TO		45°
WEIGHT (CORE DRILL + DRILL STAND)	Kg	7.3 + 10.9
CORE DRILL SUPPLIED INTO		PLASTIC CASE

ACCESSORIES



core bits 1"1/4 - L=250 mm for dust extraction, see pag. 41
core bits 1"1/4 - L=450 mm wet drilling, see pag. 42

CARDI 202-K

CORE DRILL KIT FOR MARBLE-GRANITE-STONE DRILLING



TECHNICAL SPECIFICATIONS		CARDI 202-K
POWER (230 V)	W	2,200 (MAX 2,500)
R.P.M. IDLE / ON LOAD	r.p.m.	870 / 620
DRILLING RANGE IN MARBLE - GRANITE - STONE	Ø mm	32 - 202
DRILLING RANGE IN CONCRETE - MASONRY	Ø mm	32 - 152
BIT SPINDLE CONNECTION	---	1"1/4 UNC + 1/2 G
FIXING		VACUUM OR ANCHOR
MATERIALS TO BE DRILLED		Marble - Granite - Stone
WEIGHT	Kg	15.0
TRANSPORT PLASTIC CASE WITH WHEELS (TROLLEY)		INCLUDED

	drilling diameter MAX (mm) MARBLE - GRANITE - STONE	drilling diameter MAX (mm) CONCRETE and MASONRY
	202	152

THE CORE DRILL KIT CARDI 202-K INCLUDES:

1. core drill motor T2200 SU-15, 2,200 W (MAX 2,500)
2. drill stand for core drill motor, model L 160-COMPACT
3. 505066 - vacuum base kit
4. 503628 - anchoring fixing bolt kit
5. 504428 - transport plastic case with wheels (trolley)
6. diamond core bit CDP XXX, diam. available up to 100 mm



ACCESSORIES



PV 4-S - electrical vacuum pump 505812 - water pump - 10 liters

DIAMOND CORE BITS FOR GRANITE - STONE - MARBLE

BIT CONNECTION 1/2G - LENGTH 100 mm

DIAMETER (mm)	DIAMOND SEGMENTS	DIAMOND CORE BITS FOR GRANITE - STONE - MARBLE
	# x L - W - H	ORDER CODE
35	4 x 20 - 2.5 - 9	CDP 035
40	4 x 24 - 2.5 - 9	CDP 040
45	4 x 27 - 2.5 - 9	CDP 045
50	5 x 24 - 2.5 - 9	CDP 050
60	6 x 24 - 2.5 - 9	CDP 060
70	6 x 24 - 2.8 - 9	CDP 070
80	7 x 24 - 2.8 - 9	CDP 080
90	8 x 24 - 2.8 - 9	CDP 090
100	9 x 24 - 3.3 - 9	CDP 100
120	9 x 24 - 3.3 - 9	CDP 120

--- other diameters available on request ---

= number of segments W = segment width H = segment height L = segment length



CARDI 183-K

CORE DRILL KIT FOR PLUMBERS



TECHNICAL SPECIFICATIONS		
HAND-HELD CORE DRILL MODEL		T2000 ME-14
CORE DRILL STAND MODEL		L 180
POWER (230 V)	W	2,000 (MAX 2,400)
R.P.M. IDLE / ON LOAD	r.p.m.	1,410 / 960
DRILLING RANGE IN MASONRY / ABRASIVE	Ø mm	32 - 202
DRILLING RANGE IN CONCRETE	Ø mm	32 - 182
MAX RECOMMENDED HAND-HELD DRILLING	Ø mm	162
BIT SPINDLE CONNECTION	---	1"1/4 UNC
DRILL STAND TILTING UP TO		45°
WEIGHT (CORE DRILL + DRILL STAND + FLUSH DRILLING DEVICE 502305)	Kg	6 + 10 + 2.8
HAND-HELD CORE DRILL SUPPLIED INTO		PLASTIC CASE

	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)		drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	162	162	400		202	182	500

502305 - accessory to drill flush to the wall (or floor) and into the corners; Suitable to drill masonry and concrete up to diam. 82 mm, hand-held and on the drill stand

THE KIT FOR PLUMBERS CARDI 183-K INCLUDES:

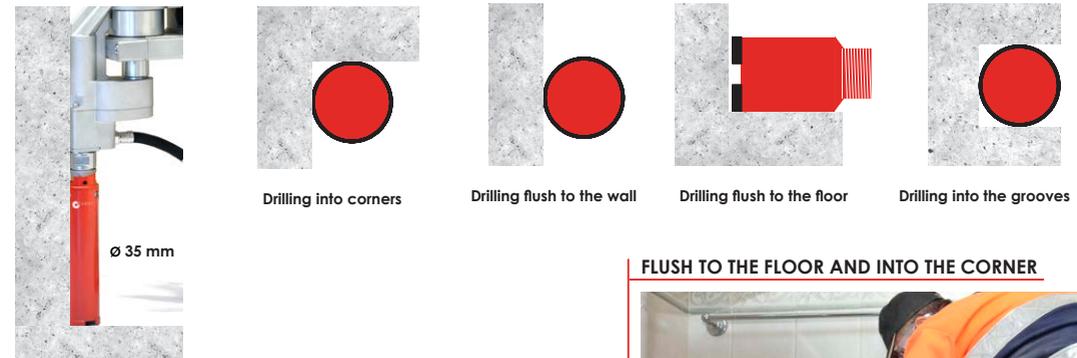
1. hand-held core drill T2000 ME-14
2. drill stand for hand-held core drill, model L 180
3. 502305 - accessory to drill flush to the wall (or floor) and into the corners
4. 506102 - CARDIFACILE - quick bit unscrew device 1"1/4
5. 501367 - adaptor 1"1/4 F (f) - 1/2G (f)
6. 501370 - core bit extension 1"1/4 L=300 mm aluminum
7. 503628 - anchoring fixing bolt kit
8. 503090 - plastic case for T2000 ME-14
9. diamond core bit CDU 042-G, 1/2 G, diameter 42 mm
10. diamond core bit CDS XXX, 1"1/4, diam. available up to 127mm

ACCESSORIES



FLUSH DRILLING DEVICE

To drill with 1/2G connection core bits, max drilling diameter 82 mm
Minimum flush drilling diameter: 35 mm



FLUSH TO THE FLOOR AND INTO THE CORNER



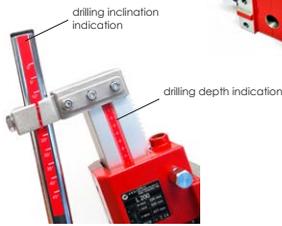
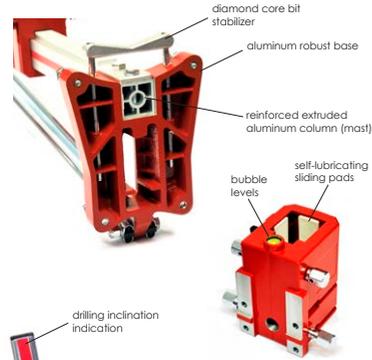
FLUSH TO THE WALL DRILLING



DRILLING ON DRILL STAND FLUSH TO THE WALLS AND INTO THE CORNER



FLUSH TO THE FLOOR AND INTO THE CORNER



CARDI 184-K

DRY DRILLING, HAND-HELD & ON DRILL STAND

DUST FREE
EXTRACTION SYSTEM
INTEGRATED

CORE DRILL KIT FOR CHIMNEYS AND HEATING SYSTEMS FITTERS

TECHNICAL SPECIFICATIONS

HAND-HELD CORE DRILL MODEL		T2000 MA-15
CORE DRILL STAND MODEL		L 180
POWER (230 V)	W	2,000 (MAX 2,400)
R.P.M. IDLE / ON LOAD	r.p.m.	890 / 610
DRILLING RANGE	Ø mm	52 - 250
BIT SPINDLE CONNECTION	---	1"1/4 UNC
DRILL STAND TILTING UP TO		45°
WEIGHT (CORE DRILL + DRILL STAND)	Kg	5.6 + 10
CORE DRILL SUPPLIED INTO		PLASTIC CASE



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	202	182	400

	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE	suggested depth (mm) (with extension)
	250	202	500

THE KIT INCLUDES:

hand-held core drill T2000 MA-15
drill stand for hand-held core drill, model L 180
506148 - spacer kit H = 30 mm
506102 - CARDIFACILE - quick bit unscrew device 1"1/4
501370 - bit extension 1"1/4 L=300 mm aluminum
503628 - anchoring fixing bolt kit
503090 - plastic case for T2000 ME-15
core bit CDS XXX, 1"1/4, diam. available up to 127 mm



ACCESSORIES



DPT H COMPACT
dust extractor

P2000 MS-13-K

DRY DRILLING WITH MICROPERCUSSION

CORE DRILL KIT FOR ELECTRICIANS

TECHNICAL SPECIFICATIONS

POWER (230 V)	W	2,000 (MAX 2,400)
R.P.M. IDLE / ON LOAD	r.p.m.	1,990 / 1,360
PERCUSSIONS IDLE / ON LOAD	n/min	35,820 / 24,480
DRILLING RANGE IN MASONRY / ABRASIVE	Ø mm	32 - 162
DRILLING RANGE IN CONCRETE	Ø mm	32 - 162
BIT SPINDLE CONNECTION	---	M18 x 2.5
MATERIALS TO BE DRILLED		see chart on page 4
WEIGHT	Kg	4.8
SUPPLIED INTO		PLASTIC CASE

P2000 MS-13-K



	drilling diameter max (mm) MASONRY	drilling diameter max (mm) CONCRETE
	162	162

THE CORE DRILL KIT FOR ELECTRICIANS INCLUDES

- hand-held core drill P2000 MS-13 with micropercussion
- 503134 - bit extension M16 L=300 mm
- 503148 - adaptor M18(f)-M16(m) for M16 bits
- 506135 - quick adaptor M16 for SDS PLUS bit
- 506134 - bit SDS PLUS Ø12 L=260 mm
- 503060 - plastic case for P2000 MS-13
- diamond core bit CDS XXX-M16, diam. available up to 132 mm



ACCESSORIES



505561 - dust
extraction chuck



DPT H COMPACT
dust extractor

DRILLING WITH DRILL STANDS



CORE DRILLING SYSTEMS SINGLE-PHASE 230 V

- CARDI 200
- CARDI 250
- CARDI 306
- CARDI 400
- CARDI 500
- CARDI 501

CORE DRILLING SYSTEMS THREE-PHASE 380-400 V WATER-COOLED MOTOR

- CARDI 205
- CARDI 605
- CARDI 606
- CARDI 805
- CARDI 1005

CARDI 200 - CARDI 250



CARDI 200
2,200 W - 3 speed
drilling up to Ø 202 mm



CARDI 250
3,420 W - 2 speed
drilling up to Ø 250 mm

USERS

- general contractors, construction businesses
- plumbers and heating systems fitters
- electricians, fitters, installers
- cutting and coring professionals

APPLICATIONS

- openings in walls and floors for installations (air, water, gas etc.)
- drillings for fitting and anchoring of guardrails, fences, railings
- sampling of concrete cores for testing and verification
- continuous drilling of considerable length

TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists of a combination of different functions, both electronic and mechanical, working in synergy to ensure the highest level of protection for the operator and for the machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - ensures that the machine can be plugged into a regular household outlet
 - avoids tears on the arms when drilling starts
 - avoids the intervention of the line protection automatic switches
- **safety mechanical clutch or mechanical torque limiter:**
 - protects the operator in case the core bit gets stuck and suddenly stops
 - avoids dangerous tears on the arms
 - avoids damages to the gearbox
- **PRCD (Portable Residual Current Device) - GFI (Ground Fault Interrupter)** mounted as standard on the electrical cable (only on wet drilling machines):
 - protects in case of electrical malfunctioning and loss of insulation
 - operates in case of live parts coming

into contact with water
- avoids an unintentional restart in the event of drop/loss and coming back of power

FEATURES

- **aluminum-made core drill motor:** heavy duty but light
- **quick connection system:** allows safe and fast coupling and de-coupling of motor and stand, so that less weight can be handled during transport and set-up
- **tilted drilling:** CARDI core drills can be tilted up to 45°
- **CARDIFACILE:** quick bit unscrewing device supplied as standard: 41 and 32 mm wrenches are no longer needed to disassemble the core bit at the end of drilling
- **multipurpose feeding handle (CARDI 200 / 250):** the feeding handle is suitable to operate also on all screws and across different regulations
- **core bit stabilizer and bubble levels (CARDI 200 / 250):** devices to increase drilling accuracy
- **anchoring fixing bolt kit:** accessory supplied as standard, usable many times
- **contrast tie-rod:** device that, using a scaffold pipe, allows to stabilize the core drill and to work more safely (CARDI 306 / 400)

CARDI 306 - CARDI 400



CARDI 306
3,420 W - 2 speed
drilling up to Ø 300 mm



CARDI 400
3,420 W - 3 speed
drilling up to Ø 400 mm



Dove Tail quick motor mount system
CARDI 306 and CARDI 400



Contrast tie-rod to be used with scaffold tube.



Detail of C 520 steel anchor base
for core bits, see pag. 42



Rapid-Lock motor mounting system - CARDI 200 / 250
for core bits, see pag. 42

TECHNICAL SPECIFICATIONS		CARDI 306	CARDI 400
CORE DRILL MOTOR MODEL		T4 300-EL	T6 375-EL
CORE DRILL STAND MODEL		C 520	C 520
POWER (230 V)		W 3,420 (MAX 4,600)	3,420 (MAX 4,600)
R.P.M. IDLE / ON LOAD	SPEED I	r.p.m. 490 / 320	350 / 230
	SPEED II	r.p.m. 1,170 / 760	800 / 520
	SPEED III	r.p.m. 1,470 / 960	1,470 / 960
DRILLING RANGE IN CONCRETE - WET	Ø mm	52 - 300	32 - 400
BIT SPINDLE CONNECTION	---	1"1/4 UNC	1"1/4 UNC
WEIGHT	Kg	40	41

ACCESSORIES



TECHNICAL SPECIFICATIONS		CARDI 200	CARDI 250
CORE DRILL MOTOR MODEL		T1 200-EL	T4 300-EL
CORE DRILL STAND MODEL		L 200	L 250
POWER (230 V)		W 2,200 (MAX 2,500)	3,420 (MAX 4,600)
R.P.M. IDLE / ON LOAD	SPEED I	r.p.m. 540 / 380	490 / 320
	SPEED II	r.p.m. 1,290 / 920	1,170 / 760
	SPEED III	r.p.m. 1,800 / 1,280	
DRILLING RANGE IN CONCRETE - WET	Ø mm	32 - 202	52 - 250
BIT SPINDLE CONNECTION	---	1"1/4 UNC + 1/2G	1"1/4 UNC
WEIGHT	Kg	19	29

ACCESSORIES



CARDI 500 - CARDI 501


CARDI 500

 3,420 W - 4 speed
drilling up to Ø 500 mm

CARDI 501

 3,420 W - 4 speed
drilling up to Ø 500 mm

USERS

- general contractors, construction businesses
- cutting and coring professionals

APPLICATIONS

- drilling of medium and big diameters
- drilling of considerable length
- drilling in very hard materials and high reinforced concrete

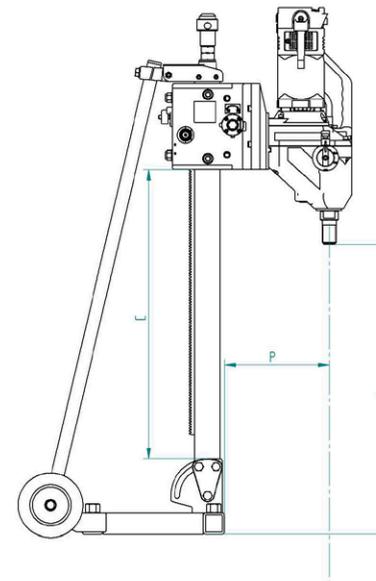
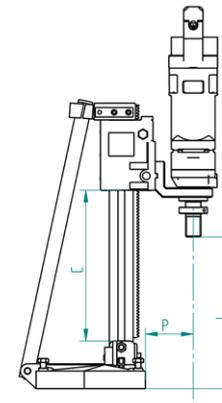
TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

Combination of different functions, working to ensure the highest level of protection for the operator and for the machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - allows the machine to be plugged into a regular household outlet
 - avoids the intervention of the line protection automatic switches
- **safety mechanical clutch or mechanical torque limiter:**
 - protects in case the core bit gets stuck and suddenly stops
 - avoids damages to the gearbox
- **PRCD (Portable Residual Current Device) - GFI (Ground Fault Interrupter) mounted as standard:**
 - protects in case of electrical malfunctioning and loss of insulation
 - operates in case of live parts coming into contact with water
 - avoids an unintentional restart in the event of drop/loss and coming back of power

FEATURES

- **aluminum-made core drill motor:** heavy duty but light core drill motor
- **quick connection system:** safe and fast coupling/de-coupling of motor/stand
- **tilted drilling:** can be tilted up to 45°
- **CARDIFACILE:** quick bit unscrewing device supplied as standard
- **multipurpose feeding handle (CARDI 501):** suitable to operate on all screws
- **anchoring fixing bolt kit:** accessory supplied as standard, re-usable
- **contrast tie-rod:** device to stabilize the core drill, guaranteeing higher safety for core bits, see pag. 42



HELPFUL SIZES

CORE DRILL	SIZES (mm)			ACCESSORIES SPACERS
	C	L	P	WIDTH (mm)
CARDI 183	577	580	110	30
CARDI 183-K	577	580*	110	30
CARDI 184-K	577	580*	140	30 (supplied as standard)
CARDI 185	577	580	110	30
CARDI 187	577	580	140	30 (supplied as standard)
CARDI 189	577	580	140	30 (supplied as standard)
CARDI 202-K	234	259	110	30

* = without 502305 (flush drilling device)

CODE	SPACER DESCRIPTION
506148	H = 30 mm



CORE DRILL	SIZES (mm)			ACCESSORIES SPACERS
	C	L	P	WIDTH (mm)
CARDI 200	577	567	130	20 / 50 (4 holes)
CARDI 250	720	670	167	20 / 45 / 60 / 80 / 110 (6 holes)
CARDI 306	655	640	195	20 / 45 / 60 / 80 / 110 (6 holes)
CARDI 400	655	626	240	20 / 45* / 60 / 80 / 110 (6 holes)
CARDI 500	655	600	271	20 / 45* / 60 / 80 / 110 (6 holes)
CARDI 501	675	660	284	20 / 45* / 60 / 80 / 110 (6 holes)
CARDI 205	655	634	226	20 / 45 / 60 / 80 / 110 (6 holes)
CARDI 605	655	634	306	20 / 45 / 60 / 80* / 110 (6 holes)
CARDI 606	675	694	319	20 / 45 / 60 / 80* / 110 (6 holes)
CARDI 805	675	691	320	37* / 107
CARDI 1005	675	658	320	37* / 107

* = supplied as standard

CODE	SPACER DESCRIPTION
502545	H = 20 mm - 4 holes
502296	H = 50 mm - 4 holes



501899	H = 20 mm - 6 holes
501852	H = 45 mm - 6 holes
501654	H = 60 mm - 6 holes
506107	H = 80 mm - 6 holes
501634	H = 110 mm - 6 holes



506106	H = 37 mm CARDI 805 / 1005
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506105	H = 107 mm CARDI 805 / 1005
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TECHNICAL SPECIFICATIONS		CARDI 500	CARDI 501
CORE DRILL MOTOR MODEL		T9 475-EL	T9 475-EL
CORE DRILL STAND MODEL		C 520	C 600
POWER (230 V)	W	3,420 (MAX 4,600)	3,420 (MAX 4,600)
R.P.M. IDLE / ON LOAD	SPEED I	r.p.m. 290 / 190	290 / 190
	SPEED II	r.p.m. 560 / 370	560 / 370
	SPEED III	r.p.m. 920 / 600	920 / 600
	SPEED IV	r.p.m. 1,530 / 1,010	1,530 / 1,010
DRILLING RANGE IN CONCRETE - WET	Ø mm	25 - 500	25 - 500
BIT SPINDLE CONNECTION	---	1"1/4 UNC	1"1/4 UNC
WEIGHT	Kg	42	46

ACCESSORIES



THREE-PHASE 380-400 V WATER-COOLED MOTOR

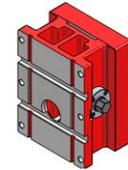
CARDI 605

4,200 W - 3 speed
diam. up to 600 mm

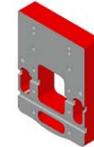


CARDI 805

6,000 W - 3 speed
diam. up to 600 mm



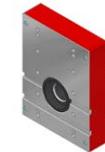
spacer H 107 - cod. 506105



spacer H 37 - cod. 506106
INCLUDED (CARDI 805/1005)



spacer H 80 - cod. 506107
INCLUDED (CARDI 605/606)



motor mount plate cod. 505937
for CARDI 805 / CARDI 1005
INCLUDED



motor mount plate cod. 505936
for CARDI 606
INCLUDED



motor mount plate cod. 504870
for card. 205 / card. 605
INCLUDED



503628 - Anchoring fixing kit
INCLUDED



505355 - CARDIFACILE
INCLUDED



503261 - 5 to 4 pins adapter
380-400 V socket/plug
INCLUDED

APPLICATIONS

- continuous drilling of high depth and core drilling of large diameters
- consolidation and securing of facilities and buildings
- large openings for pipes and storm drains
- sampling for testing and material verification and checks, at very high depth

FEATURES

- **380/400V - 50 hz - three-phase water-cooled high efficiency motor:**
 - designed to spin at only 3,000 r.p.m., it ensures a long life to the bearings and high resistance to vibrations
 - suitable for heavy use and with extremely low maintenance costs
 - cooled with an efficient water cooling system, specifically designed
 - robust construction proven throughout years of working on the field
- **3 or 4 mechanical gears gearboxes, oil lubricated and oversized:**
 - they provide higher torque and power to the core bit spindle, unlike the "gear-changers" that act electronically on the motor's r.p.m., which dissipate a large part of its power on the electronic device that controls the r.p.m. reduction
- **degree of Protection: IP55**
- **quick connect coupling system:** allows safe and fast coupling between motor and drill stand and allows you to separate the weights for the transport and the set-up of the drill
- **inclined core drilling:** CARDI core drills can be tilted up to 45°
- **CARDIFACILE - quick bit unscrew device:** no need of 41 and 32 mm wrenches to unscrew the core bit at the end of the drilling operations

TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists of a combination of different functions, both electronic and mechanical, working in synergy to ensure the highest level of protection for the operator and for the machine:

- **CARDI three-phase electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
 - reaching of the protection level is indicated by a dedicated LED, helping load optimization
- **soft start (peaks limiter):**
 - avoids peaks of power and hits to the anchoring system when the drilling starts
- **overtemperature motor protection:**
 - interrupts the drilling in case of insufficient cooling and avoids reaching of dangerous temperatures of the motor
 - reaching of the over temperature level is indicated by a dedicated LED
- **smart restart after a stop or stall:**
 - tries to restart the motor, for three times, in order to unlock the diamond core bit in case of arrest/obstacle to rotation
 - avoids that the operator tries to manually intervene to unlock the core bit, resulting in faster and safer operations
- **multidiscs mechanical clutch:**
 - protects the operator in case the core bit gets stuck, suddenly stops
 - avoids damages to the gearbox
 - specifically engineered to sustain intensive and heavy use
 - requires minimal maintenance, thanks to a synergetic functioning with CARDI three-phase electronic clutch
- **PRCD - GFI:**
 - protects in case of electrical malfunctioning and loss of insulation
 - operates in case of live parts coming into contact with water
- **voltage drop motor stop system:**
 - avoids unintentional restart in the event of drop/loss and coming back of the power
- **plug with phase inverter:**
 - avoids that the operator feels forced to intervene on the plug wires connections or the electrical box to obtain the correct spinning direction



CAM-LOCK quick motor to drill stand connection
CARDI 606 - 805 - 1005

TECHNICAL SPECIFICATIONS		CARDI 205	CARDI 605	CARDI 606	CARDI 805	CARDI 1005
CORE DRILL MOTOR MODEL		FR 205	FR 605	FR 605	FR 805	FR 1005
CORE DRILL STAND MODEL		C 520	C 520	C 600	C 600	C 600
NAMEPLATE POWER (380-400 V)	kW	4.2 (MAX 5.0)	4.2 (MAX 5.0)	4.2 (MAX 5.0)	6.0 (MAX 7.0)	6.0 (MAX 7.0)
R.P.M. IDLE / ON LOAD	SPEED I	r.p.m. 480 / 430	r.p.m. 130 / 120	r.p.m. 130 / 120	r.p.m. 100 / 90	r.p.m. 80 / 70
	SPEED II	r.p.m. 780 / 700	r.p.m. 210 / 190	r.p.m. 210 / 190	r.p.m. 210 / 190	r.p.m. 130 / 120
	SPEED III	r.p.m. 1,090 / 980	r.p.m. 300 / 270	r.p.m. 300 / 270	r.p.m. 350 / 320	r.p.m. 210 / 190
	SPEED IV	r.p.m. -----	r.p.m. -----	r.p.m. -----	r.p.m. -----	r.p.m. 300 / 270
DRILLING RANGE IN CONCRETE - WET	Ø mm	42 - 202	122 - 500	122 - 600	102 - 600	122 - 600
MOUNTABLE CORE BIT MAX DIAMETER - WITHOUT SPACER	Ø mm	452	452	478	566	566
MOUNTABLE CORE BIT MAX DIAMETER - WITH INCLUDED SPACER	Ø mm	-----	612 (spacer 506107)	638 (spacer 506107)	640 (spacer 506106)	640 (spacer 506106)
BIT SPINDLE CONNECTION	---	1"1/4 UNC	1"1/4 UNC	1"1/4 UNC	1"1/4 UNC	1"1/4 UNC
CARDIFACILE - QUICK BIT UNSCREW DEVICE 1"1/4 - 505355		INCLUDED				
ANCHORING FIXING BOLT KIT - 503628		INCLUDED				
WEIGHT	Kg	50	50	57	67	76.5

EXTRA-LONG COLUMN C 600-1500



Designed to use diamond bits and 1-meter-long extensions, for very deep drillings

ADVANTAGES

- high reduction of working time in case of drilling of high length and/or continuous drilling
- reduction of purchasing costs for the diamond core bits and for the equipments for continuous drilling operations

C 600-1500

SUITABLE FOR ALL CARDI MOTORS

SEMI-AUTOMATIC FEEDING SYSTEM SERVO 520 / DA VINCI SERVO

The CARDI feeding-system powers the movement of the carriage on the column (mast), eliminating the operator's physical effort and fatigue; the system is controlled by a remote control panel that allows the selection of the right speed for the application

ADVANTAGES

- allows to work in total safety, because the operator is away from the drilling / cutting area, avoiding splashes of slurry and water
- allows the operator to avoid uncomfortable and tiring postures
- ensures a lower diamond wearing, which results in a longer life and optimization of the diamond tools
- enables faster drilling
- is compatible with all the CARDI professional drill stands and with the DA VINCI system



	SERVO 520	DA VINCI SERVO
SUITABLE FOR	C 520	C 600, C 600-1500, DA VINCI SYSTEM
SPECIFICATIONS	BRUSHLESS MOTOR 24V-150 W - CONTROL PANEL - REMOTE CONTROL	
MAX THRUST (FORCE)	600 Kg	

ACCESSORIES FOR CORE DRILLS AND CORE DRILLING SYSTEMS



SCAFFOLD FIXING

WALL CLAMP FIXING



FLUSH TO THE WALL DRILLING (OR FLOOR) AND INTO THE CORNERS



CORE BIT EXTENSIONS 1"1/4 - ALUMINUM

CODE	USABLE LENGTH
501369	200 mm
501370	300 mm
502410	500 mm



CORE BIT EXTENSIONS 1/2G - ALUMINUM

CODE	USABLE LENGTH
501376	200 mm
501377	300 mm
502423	500 mm



CORE BIT EXTENSIONS M16 - STEEL

CODE	USABLE LENGTH
503134	300 mm



CARDIFACILE - device for quick core-bit unscrewing FOR 1"1/4 CORE BITS

CODE	COMPATIBILITY
506102	HAND-HELD CORE DRILLS
505355	ALL CARDI CORE DRILLS



BRASS RING FOR 1"1/4 CORE BITS HIGH WIDTH (4 mm) AND LONG LIFE

CODE	COMPATIBILITY
501818	CORE DRILLS WITH 1"1/4 SPINDLE



AXIAL GUIDE DEVICE FOR HAND-HELD DRILLING FOR 1"1/4 CORE BITS

CODE	CORE DRILL SPINDLE
504840	1"1/4 + 1/2G
504841	1"1/4 + DRILLING Ø 19mm

How to use
 - drill a hole into the material with a drill
 - use the drilled hole as a guide for the axial guiding device



CORE BIT ADAPTERS

CODE	DESCRIPTION
503292	M18 (f) - 5/8 11 UNF (m)
503037	M18(f)-M16(m) hole diam. 8
503148	M18(f)-M16(m) hole diam. 10

501760	1/2G (m) - M16 (m)
501596	1/2G (m) - 5/8 16 UNF (m)
502741	1/2G (m) - 5/8 11 UNF (m)
501365	1/2G (m) - 1"1/4 UNC (m)

501367	1"1/4 UNC (f) - 1/2G (f)
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506135	quick adaptor M16 for SDS PLUS bit
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506134	SDS PLUS bit Ø12 L=260 mm
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DUST EXTRACTION CHUCKS

CODE	DESCRIPTION
505560	1"1/4 (f) - 1"1/4 (m)
505561	M18 (f) - 1"1/4 (m)



DPT H COMPACT - DUST EXTRACTOR

CODE	DESCRIPTION
DPT H COMPACT	DOUBLE MOTORS - H / HEPA CLASS DUST EXTRACTOR

- Power: 2.3 kW (2 x 1,150 W) - double motors
- Max air flow: 360 m³/h
- 2 filters: H / HEPA + M
- Filtration class: H14/HEPA (99.995% D.O.P.) + M/PTFE
- Filter surfaces: H/HEPA filter 11,150 cm², M filter 6,000 cm²
- Other: PTFE bag for dust collection, filter clogging warning light
- Dimensions: 38x38x80 cm
- Material, weight: 100% steel, 22 Kg
- Included accessories: hoses, floor cleaning acc.



VACUUM FIXING FOR DRILLING MAX DIAMETER 250 mm

CODE	DIMENSION
505066	VACUUM BASE KIT 250x250 mm (force ~300 kg)
505063	VACUUM BASE KIT 300x330 mm (force ~500 kg)



CODE	DESCRIPTION
PV 4-S COMPLETA	VACUUM PUMP WITH SAFETY TANK



MOTOR MOUNT PLATES

CODE	DESCRIPTION
505035	PLATE WITH COLLAR FOR HAND-HELD CORE DRILLS: DRILL STANDS L 160 - L 180
505036	PLATE WITH COLLAR FOR HAND-HELD CORE DRILLS: DRILL STANDS L 200-L 250-L 300
505040	4 HOLES MOTOR MOUNT PLATE FOR DRILL STAND: L 200
505039	6 HOLES MOTOR MOUNT PLATE FOR DRILL STANDS: L 250 - L 300
504870	6 HOLES MOTOR MOUNT PLATE FOR DRILL STAND: C 520
505936	6 HOLES MOTOR MOUNT PLATE FOR DRILL STANDS: C 600 - C 600-1500
505937	MOTOR MOUNT PLATE FOR CORE DRILL MODELS: CARDI 805 - CARDI 1005



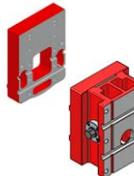
SPACERS

CODE	DESCRIPTION
502545	H = 20 mm - 4 holes
502296	H = 50 mm - 4 holes
506148	H = 30 mm (L 160 - L 180)
506132	H = 30 mm + collar 60 mm (L 200 - L 250 - L 300)
501899	H = 20 mm - 6 holes
501852	H = 45 mm - 6 holes
501654	H = 60 mm - 6 holes
506107	H = 80 mm - 6 holes
501634	H = 110 mm - 6 holes



506106	H = 37 mm CARDI 805 / 1005
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506105	H = 107 mm CARDI 805 / 1005
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ANCHOR FIXING

CODE	DESCRIPTION
503628	ANCHORING FIXING KIT
502867	50 pcs - ANCHORS M12
503260	SETTING TOOL ANCHORS M12



PORTABLE WATER PUMP WITH 10 LITERS TANK

CODE 505812



WATER COLLECTION KITS FOR CORE BITS MAX DIAMETER 150 AND 250 mm

CODE	DRILL STAND MODELS	Ø mm
505062	L 160 - L 180 - L 200 - L 250 - L 300	250
503999	C 520 - C 600 - C 600-1500	250
501712	(spare rubber disc)	250
505061	L 160 - L 180 - L 200 - L 250 - L 300	150
501111	(spare rubber disc)	150



WALL CLAMP FIXING DEVICE

CODE 503183



COMMON SPARE PARTS/ACCESSORIES

CODE	DESCRIPTION
504568	WATER HOSE KIT FOR CORE DRILLS
500101	ACQUA-STOP WATER HOSE CONNECTOR
506050	WATER INLET AND VALVE FOR -ME CORE DRILLS
504207	DUST EXTRACTOR CONNECTOR
502143	AUXILIARY HANDLE FOR HAND-HELD CORE DRILLS



ACCESSORY TO DRILL FLUSH TO THE WALL (OR FLOOR) AND INTO THE CORNERS

CODE 502305

- compatible with all the CARDI hand-held core drills and with the drill motor T1 200-EL
- to be used with 1/2 G core bit
- flush drilling minimum diameter 35 mm
- core bit maximum diameter 82 mm



Accessory usable for both hand-held and on-stand drilling

SCAFFOLD FIXING ACCESSORIES

CODE	DRILL STAND MODEL
505064	L 160 - L 180 - L 200 - L 250 - L 300
503160	C 520 - C 600 - C 600-1500

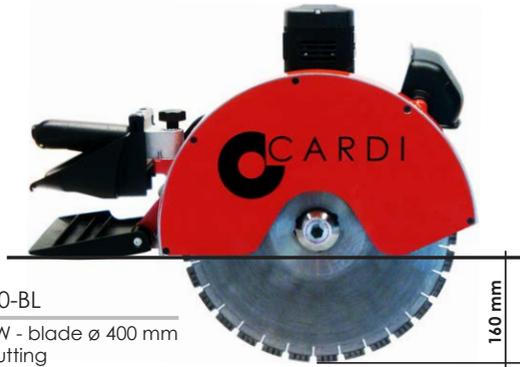


BLADE CUTTING

- PE 400
- PE 401
- TP 400
- TP 400-FC
- PE 350
- PIRANHA 125

PE 400 ELECTRIC BLADE SAW

WET CUTTING ALSO FLUSH



PE 400-BL
3,420 W - blade ø 400 mm
Wet cutting

PE 401 ELECTRIC BLADE SAW

DRY CUTTING WITH DUST EXTRACTION

WET CUTTING ALSO FLUSH



DUST FREE
EXTRACTION SYSTEM
INTEGRATED



PE 401-BL
3,420 W - blade ø 400 mm
Dust Extraction included

TECHNICAL SPECIFICATIONS		PE 400-BL	PE 401-BL
POWER (230 V)	W	3,420 (MAX 4,600)	
R.P.M. IDLE / ON LOAD	r.p.m.	2,870 / 1,880	
BLADE DIAMETER	mm	400	
BLADE ARBOR (diam.) / SUITABLE BLADE HOLE	mm	25.4	
MAXIMUM CUTTING DEPTH	mm	160 (135 with dust extraction)	
FLANGE FOR FLUSH CUTTING IN WET		supplied as standard	
DUST EXTRACTION ACCESSORY (50XXXX)		optional	supplied as standard
WEIGHT (without blade)	Kg	13 Kg	14.5 Kg

DIAMOND BLADES	
DDT 400-SX	CARDI SPECIAL DIAMOND BLADE - WET, DRY and FLUSH CUTTING

USERS

- general contractors, construction businesses, fitters
- cutting and coring professionals

APPLICATIONS

- door and window openings
- wall and floor cutting on masonry, concrete and reinforced concrete
- skylights installation
- concrete pipes cutting
- floor grooves and joints
- pavement slabs cutting

TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists of a combination of different functions, working in synergy to ensure the highest level of protection for the operator and for the machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - allows the machine to be plugged into a regular household outlet, avoiding the intervention of the line protection automatic switches
 - avoids peaks of power and tears on the arms when the cutting starts
- **PRCD - GFI on the electrical cable:**
 - protects in case of electrical malfunctioning and loss of insulation
 - operates in case of live parts coming into contact with water
 - avoids an unintentional restart in the event of drop/loss and coming back of power

DIAMOND BLADE DDT 400-SX

Supplied with the machine, it provides:

- higher penetration and cutting speed, with lower effort for the operator, thanks to faster-cutting diamond segments than those found on the market
- reduced weight due to thin but highly-resistant carbon steel core
- the possibility to cut flush to wall or floor



506152 - dust extraction accessory (PE 400)



DPT H COMPACT dust extractor



CARDI super fast laser-welded diamond blade

for diamond blades, see pag. 44

ADVANTAGES

- **the most powerful** on the market:
 - 3,420 W electrical motor at 230 V (4,600 W max)
- **great cutting depth:**
 - up to 160 mm
- **for heavy-duty and professional use:** aluminum alloy to ensure high resistance and plastic, where necessary, to protect electrical parts
- **the innovative water injection system,** delivered through the center of the blade shaft and centrifuged to ensure:
 - **effective dust suppression system,** to further protect the operator's health
 - **lower consumption of water,** to minimize slurry in the working area
 - **uniform cooling of the diamond blade,** to avoid deformations, ensures longer lifetime for the diamonds and requires less cutting pressure from the operator
- **flush cut:** PE 400 can cut flush to the wall and to the floor, using the flush cut flange supplied with the machine and the included diamond blade **DDT 400-SX**
- **dry cutting:** the saws allow dry cutting using the dust extraction accessory; the accessory must be connected to a dust extractor, able to filter concrete dust (flush cutting is not possible when the dust extraction accessory is assembled)
- **closer approach to the floor and the walls,** thanks to the switch-handle which can be rotated by 90°
- **extreme handling and balancing,** thanks to the innovative vertical position of the motor, unique for this kind of machines
- **easy straight cutting:** straight cuts can be performed very easily, using a common wood board
- **combination with DA VINCI system:** the PE 400 model can be mounted on the DA VINCI track system, allowing long linear cuts with no effort and optimizing the diamond blade wearing; Information about DA VINCI system are available in this catalog at pag. 38



Flush floor cutting



Cutting in concrete blocks wall



Wet cutting in reinforced concrete

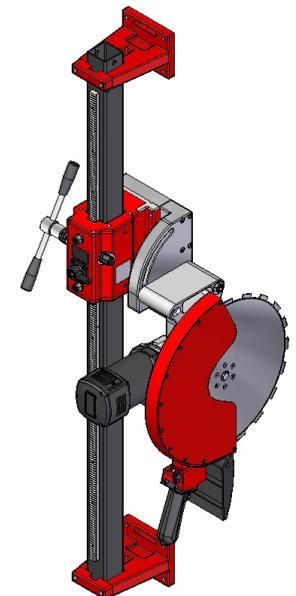


Dry cutting in reinforced concrete

PE 400 ON DA VINCI SYSTEM



Making a vertical opening on a concrete wall



PE 400 mounted on DA VINCI SYSTEM

PE 350

ELECTRIC BLADE SAW WET CUTTING



PE 350
3,000 W - blade ø 350 mm
cutting depth 140 mm

TECHNICAL SPECIFICATIONS		PE 350-BL
POWER (230 V)	W	3,000 (MAX 3,600)
R.P.M. IDLE / ON LOAD	r.p.m.	3,250 / 2,190
BLADE DIAMETER	mm	350
MAXIMUM CUTTING DEPTH	mm	140
BLADE ARBOR (diam.) / SUITABLE BLADE HOLE	mm	25.4
WEIGHT (without blade)	Kg	11.5

DIAMOND BLADE	
DDT 350-SX	SPECIAL CARDI DIAMOND BLADE - WET CUTTING



90° rotatable handle



Cutting Depth regulation



Self-supporting guide rollers



USERS

- general contractors, construction businesses, fitters
- cutting and coring professionals

APPLICATIONS

- door and window openings
- wall and floor cutting on masonry, concrete and reinforced concrete
- skylights installation
- concrete pipes cutting
- floor grooves and joints
- pavement slabs cutting

TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists of a combination of different functions, working in synergy to ensure the highest level of protection for the operator and for the machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - allows the machine to be plugged into a regular household outlet, avoiding the intervention of the line protection automatic switches
 - avoids peaks of power and tears on the arms when the cutting starts
- **PRCD - GFI on the electrical cable:**
 - protects in case of electrical malfunctioning and loss of insulation
 - operates in case of live parts coming into contact with water
 - avoids an unintentional restart in the event of drop/loss and coming back of power

DIAM. BLADES DDT 350-SX, 400-SX

supplied with the machine for wet cutting, it provides:

- higher penetration and cutting speed, with lower effort for the operator, thanks to faster-cutting diamond segments than those found on the market
- reduced weight due to thin but highly-resistant carbon steel core
- the possibility to perform flush cutting, by using a DDT 400-SX blade mounted on the TP400-FC

for diamond blades, see pag. 44

ADVANTAGES

- **high power:**
 - 3,000 W electric motor at 230 V (3,600 W max)
- **great cutting depth:**
 - TP400 / TP400-FC: up to 160 mm
 - PE 350: up to 140 mm
- **the innovative water injection system,** delivered through the center of the blade shaft and centrifuged to ensure:
 - **effective dust suppression system,** to further protect the operator's health
 - **lower consumption of water,** to minimize slurry in the working area
 - **uniform cooling of the diamond blade,** to avoid deformations, ensures longer lifetime for the diamonds and requires less cutting pressure from the operator
- **flush cut:** TP 400-FC can cut flush to the wall and to the floor, using the flush cut flange supplied with the machine and the included diamond blade **DDT 400-SX**
- **PE 350: closer approach to the floor and the walls,** thanks to the switch-handle which can be rotated 90°
- **PE 350: extreme handling and balancing,** thanks to the innovative vertical position of the motor, unique for this kind of machines
- **easy straight cutting:** straight cuts can be performed very easily, using a common wood board



FLUSH CUT



TP 400

ELECTRIC BLADE SAW WET CUTTING

TP400-FC

ELECTRIC BLADE SAW WET CUTTING

TECHNICAL SPECIFICATIONS		TP 400-BL	TP 400-FC-BL
POWER (230 V)	W	3,000 (MAX 3,600)	
R.P.M. IDLE / ON LOAD	r.p.m.	2,490 / 1,680	
BLADE DIAMETER	mm	400	
MAXIMUM CUTTING DEPTH	mm	160	
BLADE ARBOR (diam.) / SUITABLE BLADE HOLE	mm	25.4	
FLUSH CUT		----	POSSIBLE
WEIGHT (without blade)	Kg	13	12.5

DIAMOND BLADES and ACCESSORIES	
DDT 400-SX	CARDI SPECIAL DIAMOND BLADE - WET, DRY and FLUSH CUTTING
504954	FLUSH CUT ACCESSORY (It transforms TP 400 in TP 400-FC)



for diamond blades, see pag. 44

PIRANHA 125-SX

WALL CHASER - DRY CUTTING WITH DUST EXTRACTION SYSTEM



FEATURES

The CARDI wall chaser PIRANHA 125-SX is designed to make grooves in concrete, masonry, brick or any other similar building material

You can work in dry conditions, safely and with little effort

Its powerful electric motor provides enough power to work even in reinforced concrete. The built-in dust extraction system enables dust-free cutting. It is compatible with common dust extractors.

PH 125-SX is an ideal tool for:

- plumbers
- electricians
- fitters (e.g., installers of telephone and internet lines)

TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

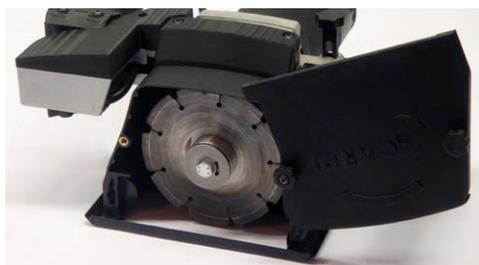
It consists of a combination of different functions, working in synergy to ensure the highest level of protection for the operator and for the machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - allows the machine to be plugged into a regular household outlet, avoiding the intervention of the line protection automatic switches
 - avoids peaks of power and tears on the arms when the cutting starts



TECHNICAL SPECIFICATIONS

		PH 125-SX
POWER (230 V)	W	2,000 (MAX 2,400)
R.P.M. IDLE / ON LOAD	r.p.m.	7,860 / 5,360
DIAMOND BLADE (quantity and diameter)		2 X 125 mm
GROOVE MAXIMUM WIDTH	mm	43
GROOVE MAXIMUM DEPTH	mm	38.5
BLADE ARBOR (diam.) / SUITABLE BLADE HOLE	mm	22.2
WEIGHT (without blades)	Kg	4.6



for diamond blades, see pag. 44



CHAINSAWS

COCCODRILLO35

ALLIGATORE18

ALLIGATORE22

DA VINCI SYSTEM

DV CD35-1500

DV AL22-1500

DV PE400-1500

DV SD-1500

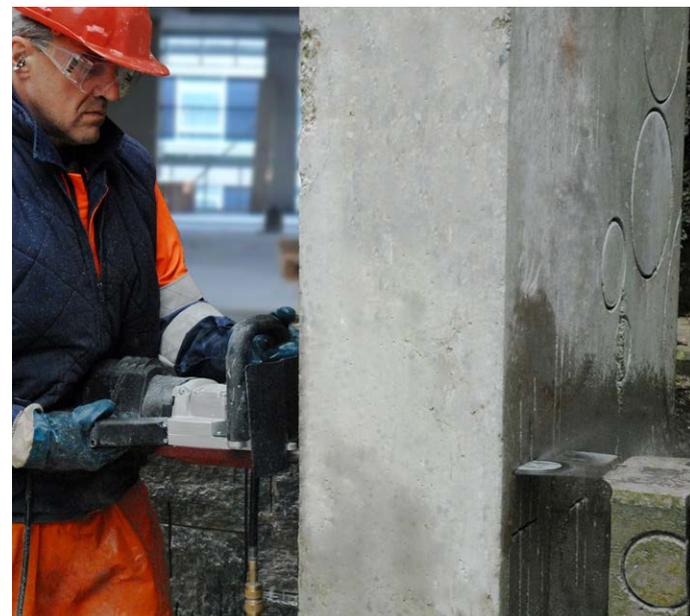


CD35.35

**ELECTRIC DIAMOND CHAINSAW
WET CUTTING OF CONCRETE AND MASONRY**



TECHNICAL SPECIFICATIONS		CD35.35
POWER (230 V)	W	3,420 (MAX 4,600)
R.P.M. IDLE / ON LOAD	r.p.m.	9,390 / 6,150
CUTTING DEPTH	mm	400
PROTECTION AND SAFETY SYSTEMS		TOTAL PROTECTION SYSTEM BY CARDI
CHAIN LUBRICATION AND DIAMOND COOLING FLUID		WATER
WEIGHT BAR and CHAIN INCLUDED	Kg	9
BAR35: SPARE GUIDE BAR		
CHAIN35: SPARE DIAMOND CHAIN		
505399: 8-SEGMENT DRIVE SPROCKET		



COCCODRILLO35

The **COCCODRILLO35** is the first diamond chainsaw powered by a single-phase electrical motor, able to cut, in wet conditions, concrete, stone, masonry, bricks and other building materials in general

It was developed to meet a specific need of the general contractors: having a versatile power-tool to perform cutting of openings, widening of doors and windows, cutting of blocks, cutting of curbs etc.

The diamond chainsaw can be used handheld or can be mounted on the DA VINCI linear cutting system, to obtain straight and precise cuttings with limited effort

You can find the DA VINCI system in this catalogue on page 37



TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists of a combination of different functions, working in synergy to ensure the highest level of protection for the operator and machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - allows the machine to be plugged into a regular household outlet, avoiding the intervention of the line protection automatic switches
 - avoids peaks of power and tears on the arms when the cutting starts
- **PRCD - GFI on the electrical cable:**
 - protects in case of electrical malfunctioning and loss of insulation
 - operates in case of live parts coming into contact with water
 - avoids an unintentional restart in the event of drop/loss and coming back of power

ADVANTAGES

Why choose CARDI electric concrete chainsaw?

- it is suitable for any working environment, particularly indoors, because it does not produce exhaust fumes
- it is safer and cleaner than gas or hydraulic saws: it does not require any gasoline or oil
- it is light and easy to handle, weighting only 9 kg, including bar and chain: no extra weight to be added, as hydraulic power units, fuel tanks, etc.
- it can be used on a simple household socket with in-house civil electrical lines: the power available from the net is sufficient
- it cuts up to 400 mm deep
- it needs limited maintenance
- it has no issues in restarting after long stops, as opposed to gas-powered machines
- it has a strong and powerful electric motor, suitable for common cutting tasks
- it is cheaper and has lower operating cost than comparable gas, hydraulic and pneumatic saws
- it allows to work in tiny spaces, where other machines cannot access to
- it allows to do corner cuts, eliminating the wasteful overcuts that unavoidable when using blade saws
- it allows to complete works on your own, which used to need professional cutting companies
- it has an innovative and functional design, with a perfect distribution of weight

For all these reasons, **COCCODRILLO35** is the easy-to-use machine that makes you save costs, time and effort



AL18.43

ELECTRIC CHAINSAW - DRY CUTTING OF BLOCKS



ALLIGATORE

The electric chainsaw **ALLIGATORE** is a machine designed for dry cutting with an hard metal chain (Widia). It is the perfect chainsaw to cut bricks and light construction materials during the building phase

Fast, precise, lightweight and easy-to-use, the Alligatore is an essential tool for the construction site

The ALLIGATORE can be used, combined with the DA VINCI system, to obtain linear and precise cuts with no effort

You can find the DA VINCI system in this catalogue on page 37

ADVANTAGES

- It allows to make cuts directly in the working area where the wall is being built, avoiding to move the blocks to the table saw
- It allows to cut blocks of significant size
- It is suitable to cut blocks and bricks made of: clay, poroton, tuff, aerated clay, aerated concrete, etc.
- It is equipped with the **CARDI ANTI STRETCH SYSTEM** , developed to minimize the annoying phenomenon of chain stretching, which usually results in significant delays and inconveniences for the operator
- It is endowed with an oil pump and an oil tank, needed to ensure optimal chain lubrication and to reduce the friction between bar and chain

TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists of a combination of different functions, both electronic and mechanical, working in synergy to ensure the highest level of protection for the operator and machine:

- **CARDI electronic clutch or electronic load limiter:**
 - protects from overloads and prevents damages to the motor
 - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
 - allows the machine to be plugged into a regular household outlet, avoiding the intervention of the line protection automatic switches
 - avoids peaks of power and tears on the arms when the cutting starts
- **safety chain brake:**
 - immediately stops the rotation of the chain in case of emergency



AL18.43

TECHNICAL SPECIFICATIONS		AL18.43
POWER (230 V)	W	2,000 (MAX 2.550)
R.P.M. IDLE / ON LOAD	r.p.m.	2,580 / 1,760
BAR and HARD METAL CHAIN	cm	43
PROTECTION AND SAFETY SYSTEMS		SAFETY BRAKE + TOTAL PROTECTION SYSTEM BY CARDI
CHAIN LUBRICATION FLUID		CHAINSAW OIL
CHAIN ANTI STRETCH SYSTEM		EQUIPPED
WEIGHT BAR and CHAIN INCLUDED	Kg	10

cod. BAR43: GUIDE BAR

cod. CHAIN43: HARD METAL CHAIN

505290: 7-SEGMENT DRIVE SPROCKET

AL22.43 / AL22.53

ELECTRIC CHAINSAW - DRY CUTTING OF BLOCKS



AL22.43

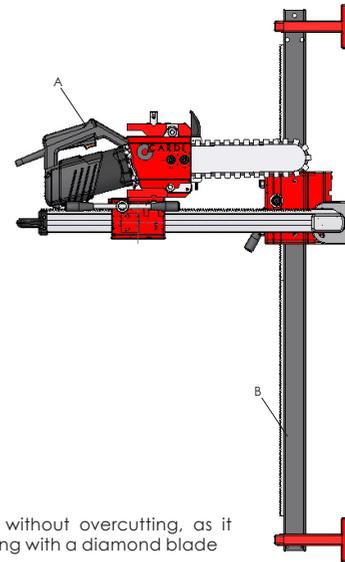
AL22.53

TECHNICAL SPECIFICATIONS		AL22.43	AL22.53
POWER (230 V)	W	2,200 (MAX 2,600)	
R.P.M. IDLE / ON LOAD	r.p.m.	2,520 / 1,800	
BAR and HARD METAL CHAIN	cm	43	53
PROTECTION AND SAFETY SYSTEMS		SAFETY BRAKE + TOTAL PROTECTION SYSTEM BY CARDI	
CHAIN LUBRICATION FLUID		CHAINSAW CHAIN OIL	
CHAIN ANTI STRETCH SYSTEM		EQUIPPED	
WEIGHT BAR and CHAIN INCLUDED	Kg	10.5	10.7
GUIDE BAR		cod. BAR43 - 43 cm	cod. BAR53 - 53 cm
HARD METAL CHAIN		cod. CHAIN43 - 43 cm	cod. CHAIN53 - 53 cm
7-SEGMENT DRIVE SPROCKET		505290	

DV CD35-1500



Diamond chain wet cutting system	DV CD35-1500
ELECTRIC DIAMOND CHAINSAW POWERHEAD (A)	CD35.35
MAXIMUM CUTTING DEPTH	40 cm
MAIN TRACK (B) LENGTH	1,500 mm
USABLE CUTTING LENGTH	1,200 mm
MOTOR - 230 V	3,420 W (MAX 4,600)



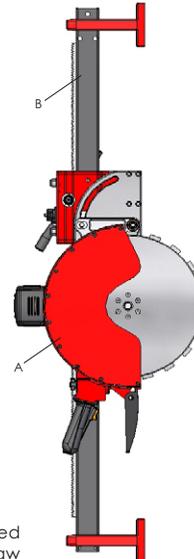
The DA VINCI cutting system **DV CD35-1500** allows to:

- cut concrete walls, concrete blocks, stone, bricks, cinder blocks and all the construction materials in general
- perform 40-cm-deep cuts
- cut walls, floors, window and door openings, enlargements of existing openings, deep niches and wall-saws corner cuts
- realize square cuts without overcutting, as it happens when cutting with a diamond blade
- the powerhead COCCODRILLO35 can also be used hand-held to cut stones, bricks, concrete blocks, etc. or for finishing works. More information are available at page 33

DV PE400-1500



Diamond blade saw wet cutting system	DV PE400-1500
ELECTRIC BLADE SAW POWERHEAD (A)	PE 400-BL
MAXIMUM CUTTING DEPTH	16 cm
MAIN TRACK (B) LENGTH	1,500 mm
USABLE CUTTING LENGTH	1,200 mm
MOTOR - 230 V	3,420 W (MAX 4,600)



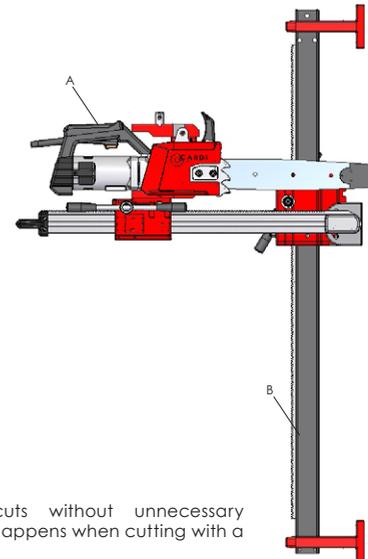
The DA VINCI cutting system **DV PE 400-1500** allows to:

- cut all the construction materials on the market, in particular: concrete, masonry, concrete blocks, stone, reinforced concrete, etc.
- perform 16-cm-deep cuts
- cut interior walls to create window and door openings and enlargements of existing openings
- perform flush cuts
- the powerhead PE 400 can also be used hand-held as a blade saw and cut-off saw for bricks, blocks, concrete and reinforced concrete or for finishing works. More information available at page 27

DV AL22-1500



Carbide tipped chain dry cutting system	DV AL22-1500
ELECTRIC CARBIDE DRY CHAINSAW POWERHEAD (A)	AL22.53
MAXIMUM CUTTING DEPTH	53 cm
MAIN TRACK (B) LENGTH	1,500 mm
USABLE CUTTING LENGTH	1,200 mm
MOTOR - 230 V	2,200 (MAX 2,600)



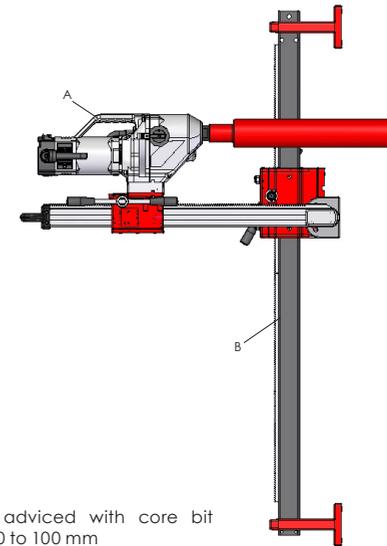
The DA VINCI cutting system **AL 22-1500** allows to:

- cut construction materials as: abrasive materials in general, clay bricks full and hollow, poroton, tuff, gasbeton, limestone, etc.
- perform 53-cm-deep cuts
- cut interior walls to create window and door openings, enlargements of existing openings
- realize square cuts without unnecessary overcuttings, as it happens when cutting with a diamond blade
- the powerhead ALLIGATORE22 can also be used hand-held to cut bricks, blocks, etc. or for finishing works. More information are available at page 35

DV SD



Stitch drilling systems	DV SD-1500 <i>without drill motor</i>	DV SD-1501 <i>drill motor included</i>	DV SD-1504 <i>drill motor included</i>
MAIN TRACK (B) LENGTH	1,500 mm		
USABLE CUTTING LENGTH	1,200 mm		
DRILL MOTOR MODEL (A)	-----	T1 200-EL - 3 speed	T4 300-EL - 2 speed
DRILL MOTOR POWER (MAX)	-----	2,200 W (2,500 W)	3,420 W (4,600 W)
DRILLING DIAMETER IN CONCRETE	max 150 mm	max 100 mm	max 150 mm



The stitch drilling system **DV SD** allows to:

- obtain openings in the walls by using the stitch drilling technique, that is making a series of in-line drills
- drill 1-m-deep drillings by using a standard core bit and a core bit extension
- stitch drilling is advised with core bit diameters from 80 to 100 mm

DIAMOND TOOLS

DV CD35-1500



Finishing of a vertical cut in a reinforced concrete wall, going flush to the floor, with the DV CD35-1500

DV CD35-1500



Flush cutting in a reinforced concrete wall with the DV CD35-1500

DV PE400-1500



Cutting a reinforced concrete wall with the DV PE400-1500

DV CD35-1500



Cutting with the DV CD35-1500 using the semi-automatic feeding system DA VINCI SERVO (see pag. 21)



CARDI DIAMOND CORE BITS

CARDI DIAMOND CORE BITS

TILES DRILLING KIT - GRES - GRANITE TO BE USED ON DRILLS AND ELECTRIC SCREWDRIVERS

INCLUDED DIAMETERS (mm)	CODE
8 18 22 25 32 35 38 50 60 73	CDP KIT



The transport box contains:

- 10 diamond core bits, diameters: **8 18 22 25 32 35 38 50 60 73**
- Device to guide the core bits, to be fixed with suction cup, for diam. from 6 to 83 mm
- Drilling guide device for small diameters from 4 to 12 mm
- Bottle-pump for the cooling and dust suppression

DRY DRILLING CORE BITS

CONNECTION M16 - USABLE LENGTH 150 mm - LASER-WELDED SEGMENTS

DIAMETERS (mm)	SEGMENTS	CODE
	# x L - W - H	
32	3 x 17 - 3.8 - 8	CDS 032-M16
42	3 x 20 - 3.8 - 8	CDS 042-M16
52	3 x 24 - 3.8 - 8	CDS 052-M16
62	3 x 24 - 3.8 - 8	CDS 062-M16
68	3 x 24 - 3.8 - 8	CDS 068-M16
72	4 x 24 - 3.8 - 8	CDS 072-M16
82	4 x 24 - 3.8 - 8	CDS 082-M16
92	4 x 24 - 3.8 - 8	CDS 092-M16
102	5 x 24 - 3.8 - 8	CDS 102-M16
112	5 x 24 - 3.8 - 8	CDS 112-M16
122	6 x 24 - 3.8 - 8	CDS 122-M16
127	6 x 24 - 3.8 - 8	CDS 127-M16
132	6 x 24 - 4.3 - 8	CDS 132-M16
142	6 x 24 - 4.3 - 8	CDS 142-M16
152	6 x 24 - 4.3 - 8	CDS 152-M16
162	7 x 24 - 4.3 - 8	CDS 162-M16
182	7 x 24 - 4.3 - 8	CDS 182-M16
202	7 x 24 - 4.3 - 8	CDS 202-M16

- Abrasive materials
- Clay bricks full and hollow
- Poroton
- Gasbeton
- Concrete blocks
- Masonry
- Non-reinforced concrete
- Light reinforced concrete
- Tuff



DRY DRILLING CORE BITS FOR DUST EXTRACTION

CONNECTION 1"1/4 - USABLE LENGTH 250 mm - LASER-WELDED SEGMENTS

DIAMETERS (mm)	SEGMENTS	CODE
	# x L - W - H	
42	3 x 20 - 3.8 - 8	CDS 042
52	3 x 24 - 3.8 - 8	CDS 052
57	3 x 24 - 3.8 - 8	CDS 057
62	3 x 24 - 3.8 - 8	CDS 062
68	3 x 24 - 3.8 - 8	CDS 068
72	4 x 24 - 3.8 - 8	CDS 072
82	4 x 24 - 3.8 - 8	CDS 082
92	4 x 24 - 3.8 - 8	CDS 092
102	5 x 24 - 3.8 - 8	CDS 102
112	5 x 24 - 3.8 - 8	CDS 112
122	6 x 24 - 3.8 - 8	CDS 122
127	6 x 24 - 3.8 - 8	CDS 127
132	6 x 24 - 4.3 - 8	CDS 132
142	6 x 24 - 4.3 - 8	CDS 142
152	6 x 24 - 4.3 - 8	CDS 152
162	7 x 24 - 4.3 - 8	CDS 162
182	7 x 24 - 4.3 - 8	CDS 182
202	7 x 24 - 4.3 - 8	CDS 202

- Abrasive materials
- Clay bricks full and hollow
- Concrete blocks
- Non-reinforced concrete
- Light reinforced concrete
- Poroton
- Gasbeton
- Masonry
- Tuff



WET DRILLING CORE BITS

CONNECTION 1/2 G - USABLE LENGTH 300 mm - LASER-WELDED RING

DIAMETER (mm)	RING	CODE
	W - H	
12	2.0 - 10	CDU 012-G
14	2.0 - 10	CDU 014-G
15	2.5 - 10	CDU 015-G
16	2.5 - 10	CDU 016-G
18	2.5 - 10	CDU 018-G
20	2.5 - 10	CDU 020-G
22	2.5 - 10	CDU 022-G
24	2.5 - 10	CDU 024-G
25	2.5 - 10	CDU 025-G
26	2.5 - 10	CDU 026-G
28	2.5 - 10	CDU 028-G
30	2.5 - 10	CDU 030-G
32	2.5 - 10	CDU 032-G
35	3.0 - 10	CDU 035-G
38	3.0 - 10	CDU 038-G
40	3.0 - 10	CDU 040-G
42	3.5 - 10	CDU 042-G
52	3.5 - 10	CDU 052-G

- Abrasive materials
- Clay bricks full and hollow
- Concrete blocks
- Non-reinforced concrete
- Reinforced concrete
- Poroton
- Masonry



• Available on request: core bits for granite and stone

WET DRILLING CORE BITS

CONNECTION 1"1/4 - USABLE LENGTH 450 mm - LASER-WELDED SEGMENTS

DIAMETER (mm)	SEGMENTS	CODE
	# x L - W - H	
42	4 x 20 - 3.5 - 9	CDU 042
52	5 x 24 - 3.5 - 11	CDU 052
62	6 x 24 - 3.5 - 11	CDU 062
72	7 x 24 - 3.5 - 11	CDU 072
82	7 x 24 - 3.5 - 11	CDU 082
92	8 x 24 - 3.5 - 11	CDU 092
102	9 x 24 - 3.5 - 11	CDU 102
112	9 x 24 - 3.5 - 11	CDU 112
122	10 x 24 - 4.0 - 11	CDU 122
127	10 x 24 - 4.0 - 11	CDU 127
132	10 x 24 - 4.0 - 11	CDU 132
142	10 x 24 - 4.0 - 11	CDU 142
152	12 x 24 - 4.0 - 11	CDU 152
162	13 x 24 - 4.0 - 11	CDU 162
172	13 x 24 - 4.0 - 11	CDU 172
182	14 x 24 - 4.0 - 11	CDU 182
192	14 x 24 - 4.0 - 11	CDU 192
200	15 x 24 - 4.0 - 11	CDU 200
225	16 x 24 - 4.5 - 11	CDU 225
250	17 x 24 - 4.5 - 11	CDU 250
300	22 x 20 - 5.0 - 11	CDU 300

- Abrasive materials
- Clay bricks full and hollow
- Concrete blocks
- Non-reinforced concrete
- Reinforced concrete
- Poroton
- Masonry



• Available on request: granite and hard stone core bits

WET DRILLING CORE BITS

CONNECTION 1"1/4 - USABLE LENGTH 450 mm - BRASED WELDED SEGMENTS

DIAMETER (mm)	SEGMENTS	CODE
	# x L - W - H	
350	22 x 24 - 5.0 - 11	CDU 350-HD
400	24 x 24 - 5.0 - 11	CDU 400-HD
450	24 x 24 - 5.0 - 11	CDU 450-HD
500	26 x 24 - 5.0 - 11	CDU 500-HD
550	26 x 24 - 5.0 - 11	CDU 550-HD
600	28 x 24 - 5.0 - 11	CDU 600-HD

- Abrasive materials
- Clay bricks full and hollow
- Concrete blocks
- Non-reinforced concrete
- Reinforced concrete
- Poroton
- Masonry



• Available on request:
core bit diameter 700 - 800 - 1,000
core bit with usable length 1,000 mm
core bit with usable length 2,000 mm
granite and hard stone core bits

= segments number L = segment length
W = segments width H = segment height

CARDI DIAMOND CORE BITS

CARDI DIAMOND BLADES

DIAMOND CORE BITS FOR GRANITE-STONE-PORPHYRY CONNECTION 1/2" - LENGTH 100 mm

DIAMETER (mm)	SEGMENTI	CODE
	# x L - W - H	
35	4 x 20 - 2.5 - 9	CDP 035
40	4 x 24 - 2.5 - 9	CDP 040
45	4 x 27 - 2.5 - 9	CDP 045
50	5 x 24 - 2.5 - 9	CDP 050
60	6 x 24 - 2.5 - 9	CDP 060
70	6 x 24 - 2.8 - 9	CDP 070
80	7 x 24 - 2.8 - 9	CDP 080
90	8 x 24 - 2.8 - 9	CDP 090
100	9 x 24 - 3.3 - 9	CDP 100
120	9 x 24 - 3.3 - 9	CDP 120

--- other dimensions available on request ---



CARDI DIAMOND BLADES LASER-WELDED SEGMENTS HOLE 22.2 mm



ANGLE GRINDERS
WALL CHASERS

DIAMETER (mm)	SEGMENTS # x W - H	STEEL CORE width	CODE
115	8 x 2.4 - 13	1.5	DDS 115
125	9 x 2.4 - 13	1.5	DDS 125
150	11 x 2.4 - 13	1.5	DDS 150
180	13 x 2.4 - 13	1.5	DDS 180
230	15 x 2.6 - 13	1.8	DDS 230

USE: dry cutting, wet cutting
MATERIALS: universal use, best in masonry
FORGED SEGMENTS: innovative technology that reduces vibrations and ensure a smooth cutting

CARDI DIAMOND BLADES CONTINUOUS RIM HOLE 22.2 mm



ANGLE GRINDERS

DIAMETER (mm)	CONTINUOUS RIM			CODE
	W (diamond)	H	W (core)	
115	2.2	10	1.2	DDS 115-CC
125	2.2	10	1.2	DDS 125-CC
180	2.6	10	1.5	DDS 180-CC
230	2.6	10	1.5	DDS 230-CC

USE: dry cutting, wet cutting
MATERIALS: universal use, best in stones and hard materials
CONTINUOUS RIM: allows efficient and clean cutting



CONTINUOUS DRILLING

CONTINUOUS DRILLING SYSTEM - IMPREGNATED WET DRILLING CORE BITS CONNECTION 1 1/4"

DIAMETER (mm)	DIAMOND CORE BIT	ADAPTER TO 1 1/4"	EXTRACTOR HOLDER	EXTRACTOR	EXTENSION 500 mm	EXTENSION 1,000 mm
	CODE	CODE	CODE	CODE	CODE	CODE
20	CCC 20	CCR 20	CCP 20	CCE 20	CCT 20-500	CCT 20-1000
25	CCC 25	CCR 25	CCP 25	CCE 25	CCT 25-500	CCT 25-1000
30	CCC 30	CCR 30	CCP 30	CCE 30	CCT 30-500	CCT 30-1000
35	CCC 35	CCR 35	CCP 35	CCE 35	CCT 35-500	CCT 35-1000
40	CCC 40	CCR 40	CCP 40	CCE 40	CCT 40-500	CCT 40-1000
45	CCC 45	CCR 45	CCP 45	CCE 45	CCT 45-500	CCT 45-1000
50	CCC 50	CCR 50	CCP 50	CCE 50	CCT 50-500	CCT 50-1000
56	CCC 56	CCR 56	CCP 56	CCE 56	CCT 56-500	CCT 56-1000
64	CCC 64	CCR 64	CCP 64	CCE 64	CCT 64-500	CCT 64-1000
72	CCC 72	CCR 72	CCP 72	CCE 72	CCT 72-500	CCT 72-1000
82	CCC 82	CCR 82	CCP 82	CCE 82	CCT 82-500	CCT 82-1000
92	CCC 92	CCR 92	CCP 92	CCE 92	CCT 92-500	CCT 92-1000
102	CCC 102	CCR 102	CCP 102	CCE 102	CCT 102-500	CCT 102-1000
112	CCC 112	CCR 112	CCP 112	CCE 112	CCT 112-500	CCT 112-1000
122	CCC 122	CCR 122	CCP 122	CCE 122	CCT 122-500	CCT 122-1000
132	CCC 132	CCR 132	CCP 132	CCE 132	CCT 132-500	CCT 132-1000
137	CCC 137	CCR 137	CCP 137	CCE 137	CCT 137-500	CCT 137-1000
142	CCC 142	CCR 142	CCP 142	CCE 142	CCT 142-500	CCT 142-1000
152	CCC 152	CCR 152	CCP 152	CCE 152	CCT 152-500	CCT 152-1000
162	CCC 162	CCR 162	CCP 162	CCE 162	CCT 162-500	CCT 162-1000
172	CCC 172	CCR 172	CCP 172	CCE 172	CCT 172-500	CCT 172-1000
182	CCC 182	CCR 182	CCP 182	CCE 182	CCT 182-500	CCT 182-1000
202	CCC 202	CCR 202	CCP 202	CCE 202	CCT 202-500	CCT 202-1000
212	CCC 212	CCR 212	CCP 212	CCE 212	CCT 212-500	CCT 212-1000



CARDI DIAMOND BLADES LASER-WELDED SEGMENTS HOLE 25.4 mm



HAND-HELD BLADE SAWS
HAND-HELD CUT-OFF SAWS

DIAMETER (mm)	PREMIUM FOR DRY AND WET CUTTING		
	SEGMENTS # x W - H	CORE width	CODE
300	18 x 2.8 - 13	2	DDT 300
350	21 x 3.0 - 13	2	DDT 350

PREMIUM: forged segments. innovative technology that reduces vibrations and ensure a smooth cutting; dry and wet use

DIAMETER (mm)	CARDI SPECIAL SUPER FAST FOR WET CUTTING		
	SEGMENTS # x W - H	CORE width	CODE
300	-----	-----	-----
350	24 x 2.4 - 10	1.9	DDT 350-SX
400	28 x 3.8 - 10	2.4	DDT 400-SX

SUPER FAST: highly performing blade for extremely fast cutting
Specifically designed for the hand-held electric blade saws
It requires less effort from the user
Wet cutting

MATERIALS	PERFORMANCES	
	MIN	MAX
Clay bricks full and hollow		
Paralton		
Concrete Blocks		
Outdoor paving blocks		
Masonry		
Non-reinforced concrete		
Concrete with wire mesh		
Medium reinforced concrete		
Medium-hard concrete		
High reinforced concrete		
Hard concrete		
Tuff - Sandstone		
Limestone and slate		
Granite		
Marble		

CARDI DIAMOND BLADES LASER-WELDED SEGMENTS HOLE 25.4 mm



TABLE SAWS

DIAMETER (mm)	SEGMENTS	CODE
	# x L - W - H	
300	18 x 40 - 2.8 - 11	DDB 300
350	21 x 40 - 3.0 - 11	DDB 350
400	26 x 40 - 3.2 - 11	DDB 400
450	25 x 40 - 3.6 - 11	DDB 450
500	30 x 40 - 3.6 - 11	DDB 500
600	34 x 40 - 4.0 - 11	DDB 600
700	40 x 40 - 4.6 - 11	DDB 700
750	42 x 40 - 4.6 - 11	DDB 750
800	45 x 40 - 4.6 - 11	DDB 800
900	52 x 40 - 4.6 - 11	DDB 900
1,000	56 x 40 - 4.6 - 11	DDB 1000

USE: wet cutting
ON REQUEST: blades with different holes and different diameters

MATERIALS	PERFORMANCES	
	MIN	MAX
Clay bricks full and hollow		
Paralton		
Concrete Blocks		
Outdoor paving blocks		
Refractory bricks		
Masonry		
Non-reinforced concrete		
Concrete with wire mesh		
Medium reinforced concrete		
Medium-hard concrete		
High reinforced concrete		
Hard concrete		
Tuff - Sandstone		
Limestone and slate		
Granite		
Marble		
Ceramic, Porcelain, Gres		
Klinker		

CARDI DIAMOND BLADES

CARDI DIAMOND BLADES - FOR CONCRETE

LASER-WELDED SEGMENTS
HOLE 60 mm



WALL SAWS

DIAMETER (mm)	SEGMENTS	CODE	MATERIALS	PERFORMANCES	
	# x L - W - H			MIN	MAX
600	52 x 24 - 4.7 - 12	DDM 600	Clay bricks full and hollow		
700	57 x 24 - 4.7 - 12	DDM 700	Paratone		
750	62 x 24 - 4.7 - 12	DDM 750	Concrete Blocks		
800	70 x 24 - 4.7 - 12	DDM 800	Outdoor paving blocks		
900	79 x 24 - 4.7 - 12	DDM 900	Masonry		
1,000	87 x 24 - 4.7 - 12	DDM 1000	Non-reinforced concrete		
1,200	106 x 24 - 4.7 - 12	DDM 1200	Concrete with wire mesh		
			Medium reinforced concrete		
			Medium-hard concrete		
			High reinforced concrete		
			Hard concrete		

* Available on request:
blades for GRANITE and MARBLE;
blades with width 4 - 4.5 - 5 mm.

CARDI DIAMOND BLADES - FOR CONCRETE

LASER-WELDED SEGMENTS
HOLE 60 mm



FLOOR CUTTERS ELECTRICAL FLOOR CUTTERS

DIAMETER (mm)	SEGMENTS	CODE	MATERIALS	PERFORMANCES	
	# x L - W - H			MIN	MAX
600	36 x 44 - 4.7 - 20	DDF 600	Clay bricks full and hollow		
650	38 x 44 - 4.7 - 20	DDF 700	Paratone		
800	46 x 44 - 4.7 - 20	DDF 800	Concrete Blocks		
900	48 x 44 - 4.7 - 20	DDF 900	Outdoor paving blocks		
1,000	52 x 44 - 4.5 - 20	DDF 1000	Non-reinforced concrete		
1,200	62 x 44 - 4.5 - 20	DDF 1200	Concrete with wire mesh		
			Med-hard reinf. concrete		
			Med-hard and hard concrete		

CARDI DIAMOND BLADES - FOR CONCRETE

LASER-WELDED SEGMENTS
HOLE 25.4 mm - WITH DRIVE PIN HOLE



GAS-POWERED FLOOR CUTTERS

DIAMETER (mm)	SEGMENTS	CODE	MATERIALS	PERFORMANCES	
	# x L - W - H			MIN	MAX
300	18 x 41.5 - 2.8 - 13	DDP 300-CS	Clay bricks full and hollow		
350	21 x 40.3 - 3.0 - 13	DDP 350-CS	Paratone		
400	24 x 39.6 - 3.2 - 13	DDP 400-CS	Concrete Blocks		
450	25 x 39.6 - 3.6 - 13	DDP 450-CS	Outdoor paving blocks		
500	30 x 39.6 - 3.6 - 13	DDP 500-CS	Non-reinforced concrete		
600	34 x 39.6 - 3.6 - 13	DDP 600-CS	Concrete with wire mesh		
			Medium reinforced concrete		
			Medium-hard concrete		
			High reinforced concrete		
			Hard concrete		

* Available on request:
blades for GRANITE and MARBLE;
blades with different diameter holes.

CARDI DIAMOND BLADES - GREEN CONCRETE

LASER-WELDED SEGMENTS
HOLE 25.4 mm - WITH DRIVE PIN HOLE



JOINT CUTTERS

DIAMETER (mm)	SEGMENTS	CODE	MATERIALS	PERFORMANCES	
	L - W - H			MIN	MAX
300	40 - 2.8 - 9	DDP 300-CF	Refractory bricks		
350	40 - 2.8 - 9	DDP 350-CF	Masonry		
400	40 - 3.2 - 9	DDP 400-CF	Green concrete		
450	40 - 3.6 - 9	DDP 450-CF	Tuff - Sandstone		
			Asphalt		

CARDI DIAMOND BLADES - FOR ASPHALT

LASER-WELDED SEGMENTS
HOLE 25.4 mm - WITH DRIVE PIN HOLE



ASPHALT CUTTERS

DIAMETER (mm)	SEGMENTS	CODE	MATERIALS	PERFORMANCES	
	# x L - W - H			MIN	MAX
300	18 x 41.5 - 2.8 - 13	DDP 300-AS	Refractory bricks		
350	21 x 40.3 - 3.0 - 13	DDP 350-AS	Masonry		
400	24 x 39.6 - 3.2 - 13	DDP 400-AS	Green concrete		
450	25 x 39.6 - 3.6 - 13	DDP 450-AS	Tuff - Sandstone		
500	30 x 39.6 - 3.6 - 13	DDP 500-AS	Asphalt		
600	35 x 39.6 - 4.0 - 13	DDP 600-AS	Not Reinf. concrete / mesh		





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