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## T2000 MS-13

### HAND-HELD CORE DRILL - DRY DRILLING



|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 6" 1/4                       | 6" 1/4                        | 12"                                 |
|  |                              |                               |                                     |



dry drilling diamond core bits  
M16 - 4", see pag. 45



| TECHNICAL SPECIFICATIONS             |        | T2000 MS-13         |          |
|--------------------------------------|--------|---------------------|----------|
| CURRENT (110-120 V - 50/60 Hz)       | A      | 15                  | (MAX 18) |
| R.P.M. IDLE / ON LOAD                | r.p.m. | 2,090 / 1,650       |          |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in   | up to 6" 1/4        |          |
| DRILLING RANGE IN CONCRETE           | Ø in   | up to 6" 1/4        |          |
| BIT SPINDLE CONNECTION               | ---    | M18 x 2.5           |          |
| MATERIALS TO BE DRILLED              |        | see chart on page 4 |          |
| WEIGHT                               | Kg/lb  | 4.8 / 11            |          |
| SUPPLIED INTO                        |        | PLASTIC CASE        |          |

#### ACCESSORIES



503148 - adaptor  
M18(f) - M16(m)  
INCLUDED



505561 - dust  
extraction chuck



506135 - quick adap-  
tor M16 and  
SDS PLUS bit;



DPT H COMPACT  
dust extractor

## T2000 MA-14

### HAND-HELD CORE DRILL DRY DRILLING DUST EXTRACTION SYSTEM



|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 6"                           | 6"                            | 12"                                 |
|  | 8"                           | 6"                            | 20"                                 |

core bits 1" 1/4 - L=10"  
for dust extraction, see  
pag. 45



| TECHNICAL SPECIFICATIONS             |        | T2000 MA-14         |          |
|--------------------------------------|--------|---------------------|----------|
| CURRENT (110-120 V - 50/60 Hz)       | A      | 15                  | (MAX 18) |
| R.P.M. IDLE / ON LOAD                | r.p.m. | 1,480 / 1,170       |          |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in   | up to 8"            |          |
| DRILLING RANGE IN CONCRETE           | Ø in   | up to 6"            |          |
| BIT SPINDLE CONNECTION               | ---    | 1" 1/4 UNC          |          |
| MATERIALS TO BE DRILLED              |        | see chart on page 4 |          |
| WEIGHT                               | Kg/lb  | 5.6 / 13            |          |
| SUPPLIED INTO                        |        | PLASTIC CASE        |          |

#### ACCESSORIES



501367 - adaptor  
1" 1/4 (f) - 1/2G(f)



506102 - quick bit  
unscrew device 1" 1/4



DPT H COMPACT  
dust extractor



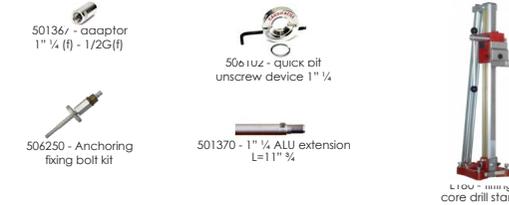
L180 - fitting  
core drill stand

501370 - 1" 1/4 ALU extension  
L=11" 3/4



|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 5"                           | 4"                            | 12"                                 |
|  | 6"                           | 5"                            | 20"                                 |

#### ACCESSORIES



501367 - adaptor  
1" 1/4 (f) - 1/2G(f)



506102 - quick bit  
unscrew device 1" 1/4



506250 - Anchoring  
fixing bolt kit

501370 - 1" 1/4 ALU extension  
L=11" 3/4

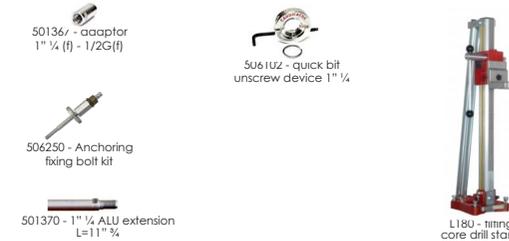


L180 - fitting  
core drill stand



|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 5"                           | 4"                            | 12"                                 |
|  | 6"                           | 5"                            | 20"                                 |

#### ACCESSORIES



501367 - adaptor  
1" 1/4 (f) - 1/2G(f)



506102 - quick bit  
unscrew device 1" 1/4



506250 - Anchoring  
fixing bolt kit

501370 - 1" 1/4 ALU extension  
L=11" 3/4



L180 - fitting  
core drill stand

## T1800 102 MU-EL

### HAND-HELD CORE DRILL WET DRILLING



| TECHNICAL SPECIFICATIONS             |        | T1800 102 MU-EL     |          |
|--------------------------------------|--------|---------------------|----------|
| CURRENT (110-120 V - 50/60 Hz)       | A      | 15                  | (MAX 18) |
| R.P.M. IDLE / ON LOAD                | r.p.m. | 940 / 740           |          |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in   | up to 6"            |          |
| DRILLING RANGE IN CONCRETE           | Ø in   | up to 5"            |          |
| MAX RECOMMENDED HAND-HELD DRILLING   | Ø in   | 5"                  |          |
| BIT SPINDLE CONNECTION               | ---    | 1" 1/4 UNC + 5/8"   |          |
| MATERIALS TO BE DRILLED              |        | see chart on page 4 |          |
| WEIGHT                               | Kg/lb  | 5.6 / 13            |          |
| SUPPLIED INTO                        |        | PLASTIC CASE        |          |

## TOL MU-EL

### HAND-HELD CORE DRILL WET DRILLING



| TECHNICAL SPECIFICATIONS           |                   | TOL MU-EL           |          |
|------------------------------------|-------------------|---------------------|----------|
| CURRENT (110-120 V - 50/60 Hz)     | A                 | 15                  | (MAX 18) |
| R.P.M. IDLE / ON LOAD              | GEAR I<br>r.p.m.  | 1,200 / 950         |          |
|                                    | GEAR II<br>r.p.m. | 2,200 / 1,740       |          |
| DRILLING RANGE MASONRY / ABRASIVE  | Ø in              | up to 6"            |          |
| DRILLING RANGE IN CONCRETE         | Ø in              | up to 5"            |          |
| MAX RECOMMENDED HAND-HELD DRILLING | Ø in              | 5"                  |          |
| BIT SPINDLE CONNECTION             | ---               | 1" 1/4 UNC + 5/8"   |          |
| MATERIALS TO BE DRILLED            |                   | see chart on page 4 |          |
| WEIGHT                             | Kg/lb             | 5.5 / 12            |          |
| SUPPLIED INTO                      |                   | PLASTIC CASE        |          |

# T2200 ME-24

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



**DUST FREE**  
EXTRACTION SYSTEM INTEGRATED

**2 SPEED**

**ASP**

|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 7"                           | 7"                            | 16"                                 |
|  | 8"                           | 8"                            | 28"                                 |

**3 SPEED**

|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 7"                           | 7"                            |                                     |
|  | 10"                          | 8"                            |                                     |

# T1 MU-EL

## HAND-HELD CORE DRILL WET DRILLING FOR HEAVY DUTY USE



**EL**

**SOFT START**

**ASP**

**PRCDD**

| TECHNICAL SPECIFICATIONS             |                  | T1 MU-EL            |  |
|--------------------------------------|------------------|---------------------|--|
| CURRENT (110-120 V - 50/60 Hz)       | A                | 18 (MAX 22)         |  |
| R.P.M. IDLE / ON LOAD                | SPEED I r.p.m.   | 770 / 580           |  |
|                                      | SPEED II r.p.m.  | 1,860 / 1,380       |  |
|                                      | SPEED III r.p.m. | 2,580 / 1,920       |  |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in             | up to 10"           |  |
| DRILLING RANGE IN CONCRETE           | Ø in             | up to 8"            |  |
| MAX RECOMMENDED HAND-HELD DRILLING   | Ø in             | up to 7"            |  |
| BIT SPINDLE CONNECTION               | ---              | 1" 1/4 UNC + 5/8"   |  |
| MATERIALS TO BE DRILLED              |                  | see chart on page 4 |  |
| WEIGHT                               | Kg/lb            | 7.3 / 16            |  |
| 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/lb | 7.3/16 + 10/22 |  |
| CORE DRILL SUPPLIED INTO                         |       | PLASTIC CASE   |  |

### ACCESSORIES

501367 - adaptor 1" 1/4 (f) - 1/2G(f) INCLUDED

506250 - Anchoring fixing bolt kit INCLUDED (CARDI 185)

506102 - quick bit uncrow device 1" 1/4 INCLUDED (CARDI 187)

505066 - vacuum base kit

505062 - water collecting kit diam. 9" 3/4

505066 - vacuum base kit

506148 spacer H=1.18" INCLUDED (CARDI 187)

505066 - vacuum base kit

501370 - 1" 1/4 ALU extension L=11" 3/4

502410 - ALU extension 1" 1/4 L=19" 3/4

PV 4-S (115V) - electrical vacuum pump

505812 - water pump - 10 liters

DPT H COMPACT dust extractor

core bits 1" 1/4 - wet drilling, see pag. 46

| TECHNICAL SPECIFICATIONS             |                 | T2200 ME-24         |  |
|--------------------------------------|-----------------|---------------------|--|
| CURRENT (110-120 V - 50/60 Hz)       | A               | 18 (MAX 22)         |  |
| R.P.M. IDLE / ON LOAD                | SPEED I r.p.m.  | 810 / 610           |  |
|                                      | SPEED II r.p.m. | 1,490 / 1,110       |  |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in            | up to 8"            |  |
| DRILLING RANGE IN CONCRETE           | Ø in            | up to 8"            |  |
| MAX RECOMMENDED HAND-HELD DRILLING   | Ø in            | up to 7"            |  |
| BIT SPINDLE CONNECTION               | ---             | 1" 1/4 UNC          |  |
| MATERIALS TO BE DRILLED              |                 | see chart on page 4 |  |
| WEIGHT                               | Kg/lb           | 7 / 16              |  |
| 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/lb | 7/16 + 10/22 |  |
| CORE DRILL SUPPLIED INTO                         |       | PLASTIC CASE |  |

### ACCESSORIES

501367 - adaptor 1" 1/4 (f) - 1/2G(f) INCLUDED

506250 - Anchoring fixing bolt kit INCLUDED (CARDI 185)

506102 - quick bit uncrow device 1" 1/4 INCLUDED (CARDI 187)

505066 - vacuum base kit

505062 - water collecting kit diam. 9" 3/4

505066 - vacuum base kit

506148 spacer H=1.18" INCLUDED (CARDI 187)

505066 - vacuum base kit

501370 - 1" 1/4 ALU extension L=11" 3/4

502410 - ALU extension 1" 1/4 L=19" 3/4

PV 4-S (115V) - electrical vacuum pump

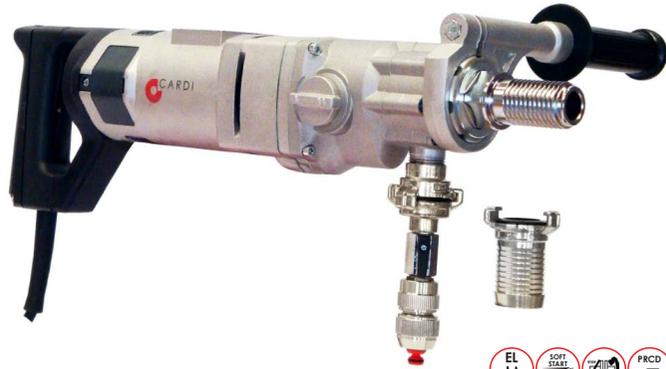
505812 - water pump - 10 liters

DPT H COMPACT dust extractor

core bits 1" 1/4 - for dust extraction, see pag. 45  
core bits 1" 1/4 - wet drilling, see pag. 46

# T1 ME-EL

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



|  | drilling diameter MASONRY | drilling diameter CONCRETE | suggested depth (with extension) |
|--|---------------------------|----------------------------|----------------------------------|
|  | 7"                        | 7"                         | 16"                              |
|  | 10"                       | 8"                         | 35"                              |



# CARDI 189

## HAND-HELD CORE DRILL WITH DRILL STAND



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



# CARDI 202-K

## CORE DRILL KIT FOR MARBLE-GRANITE-STONE DRILLING



| TECHNICAL SPECIFICATIONS                     |        | CARDI 202-K              |  |
|--|--------|--------------------------|--|
| CURRENT (110-120 V - 50/60 Hz)               | A      | 18 (MAX 22)              |  |
| R.P.M. IDLE / ON LOAD                        | r.p.m. | 900 / 670                |  |
| DRILLING RANGE IN MARBLE - GRANITE - STONE   | Ø in   | up to 8"                 |  |
| DRILLING RANGE IN CONCRETE - MASONRY         | Ø in   | up to 6"                 |  |
| BIT SPINDLE CONNECTION                       | ---    | 1" 1/4 UNC + 5/8"        |  |
| FIXING                                       |        | VACUUM OR ANCHOR         |  |
| MATERIALS TO BE DRILLED                      |        | Marble - Granite - Stone |  |
| WEIGHT                                       | Kg/lb  | 15 / 33                  |  |
| TRANSPORT PLASTIC CASE WITH WHEELS (TROLLEY) |        | INCLUDED                 |  |

|  | drilling diameter MAX MARBLE - GRANITE - STONE | drilling diameter MAX CONCRETE and MASONRY |
|--|--|--|
|  | 8"   | 6"   |

THE CORE DRILL KIT CARDI 202-K INCLUDES:

- core drill motor T2200 SU-15, 18A (MAX 22)
- drill stand for core drill motor, model L 160-COMPACT
- 505066 - vacuum base kit
- 506250 - Anchoring fixing bolt kit
- 504428 - transport plastic case with wheels (trolley)
- diamond core bit CDP XXX, diam. available up to 4"



### ACCESSORIES



PV 4-S (115V) - electrical vacuum pump

505812 - water pump - 10 liters

### DIAMOND CORE BITS FOR GRANITE-STONE-MARBLE CONNECTION 1/2G - LENGTH 4"

| DIAMETERS | in   | SEGMENTS          |                        | CODE    |
|-----------|------|-------------------|------------------------|---------|
|           |      | # x L - W - H, mm | # x L - W - H, in      |         |
| 35        | 1.38 | 4 x 20 - 2.5 - 9  | 4 x 0.79 - 0.10 - 0.35 | CDP 035 |
| 40        | 1.57 | 4 x 24 - 2.5 - 9  | 4 x 0.94 - 0.10 - 0.35 | CDP 040 |
| 45        | 1.77 | 4 x 27 - 2.5 - 9  | 4 x 1.06 - 0.10 - 0.35 | CDP 045 |
| 50        | 1.97 | 5 x 24 - 2.5 - 9  | 5 x 0.94 - 0.10 - 0.35 | CDP 050 |
| 60        | 2.36 | 6 x 24 - 2.5 - 9  | 6 x 0.94 - 0.10 - 0.35 | CDP 060 |
| 70        | 2.76 | 6 x 24 - 2.8 - 9  | 6 x 0.94 - 0.11 - 0.35 | CDP 070 |
| 80        | 3.15 | 7 x 24 - 2.8 - 9  | 7 x 0.94 - 0.11 - 0.35 | CDP 080 |
| 90        | 3.54 | 8 x 24 - 2.8 - 9  | 8 x 0.94 - 0.11 - 0.35 | CDP 090 |
| 100       | 3.94 | 9 x 24 - 3.3 - 9  | 9 x 0.94 - 0.13 - 0.35 | CDP 100 |
| 120       | 4.72 | 9 x 24 - 3.3 - 9  | 9 x 0.94 - 0.13 - 0.35 | CDP 120 |

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

| TECHNICAL SPECIFICATIONS             |           | T1 ME-EL            |               |
|--------------------------------------|-----------|---------------------|---------------|
| CURRENT (110-120 V - 50/60 Hz)       | A         | 18 (MAX 22)         |               |
| R.P.M. IDLE / ON LOAD                | SPEED I   | r.p.m.              | 770 / 580     |
|                                      | SPEED II  | r.p.m.              | 1,860 / 1,380 |
|                                      | SPEED III | r.p.m.              | 2,580 / 1,920 |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in      | up to 10"           |               |
| DRILLING RANGE IN CONCRETE           | Ø in      | up to 8"            |               |
| MAX RECOMMENDED HAND-HELD DRILLING   | Ø in      | up to 7"            |               |
| BIT SPINDLE CONNECTION               | ---       | 1" 1/4 UNC          |               |
| MATERIALS TO BE DRILLED              |           | see chart on page 4 |               |
| WEIGHT                               | Kg/lb     | 7.3 / 16            |               |
| SUPPLIED INTO                        |           | PLASTIC CASE        |               |

| 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/lb | 7.3/16 + 10/22 |  |
| CORE DRILL SUPPLIED INTO                         |       | PLASTIC CASE   |  |

### ACCESSORIES



core bits 1" 1/4 - for dust extraction, see pag. 45  
core bits 1" 1/4 - wet drilling, see pag. 46

# CARDI 183-K

## CORE DRILL KIT FOR PLUMBERS



| TECHNICAL SPECIFICATIONS   |        |               |
|--|--------|---------------|
| CURRENT (110-120 V - 50/60 Hz)                                   | A      | 15 (MAX 18)   |
| CORE DRILL STAND MODEL   |        | L 180         |
| R.P.M. IDLE / ON LOAD  | r.p.m. | 1,480 / 1,170 |
| DRILLING RANGE IN MASONRY / ABRASIVE                             | Ø in   | up to 8"      |
| DRILLING RANGE IN CONCRETE                                       | Ø in   | up to 7"      |
| MAX RECOMMENDED HAND-HELD DRILLING                               | Ø in   | 6"            |
| BIT SPINDLE CONNECTION   | ---    | 1" ¼ UNC      |
| DRILL STAND TILTING UP TO  |        | 45°           |
| WEIGHT (CORE DRILL + DRILL STAND + FLUSH DRILLING DEVICE 502305) | Kg/lb  | 18.8 / 42     |
| HAND-HELD CORE DRILL SUPPLIED INTO                               |        | PLASTIC CASE  |

|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|--|------------------------------|-------------------------------|-------------------------------------|
|  | 6"                           | 6"                            | 16"                                 |  | 8"                           | 7"                            | 19"                                 |

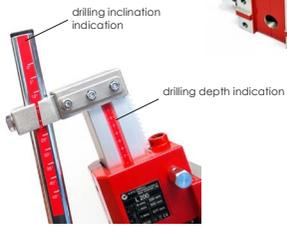
502305 - accessory to drill flush to the wall (or floor) and into the corners;  
Suitable to drill masonry and concrete up to diam. 3" ¼, hand-held and on drill stand

### 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" ¼
5. 501367 - adaptor 1" ¼ F (f) - 1/2 G (f)
6. 501370 - core bit extension 1" ¼ L=11" ¼ aluminum
7. 506250 - Anchoring fixing bolt kit
8. 503090 - plastic case for T2000 ME-14
9. diamond core bit CDU 042-G, 1/2 G, diameter 1.65"
10. diamond core bit CDS XXX, 1" ¼, diam. available up to 5"

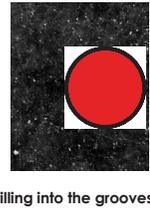
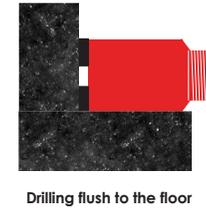
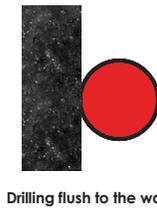
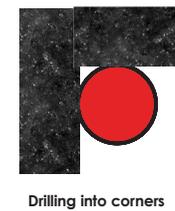


### ACCESSORIES



### FLUSH DRILLING DEVICE

To drill with 1/2G connection core bits, max drilling diameter 3" ¼  
Minimum flush drilling diameter: 1" ½



### FLUSH TO THE WALL DRILLING



### FLUSH TO THE FLOOR AND INTO THE CORNER



### 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

|                                   |        |                |
|-----------------------------------|--------|----------------|
| CURRENT (110-120 V - 50/60 Hz)    | A      | 15 (MAX 18)    |
| CORE DRILL STAND MODEL            |        | L 180          |
| R.P.M. IDLE / ON LOAD             | r.p.m. | 940 / 740      |
| DRILLING RANGE                    | Ø in   | up to 10"      |
| BIT SPINDLE CONNECTION            | ---    | 1" ¼ UNC       |
| DRILL STAND TILTING UP TO         |        | 45°            |
| WEIGHT (CORE DRILL + DRILL STAND) | Kg/lb  | 5.6/13 + 10/22 |
| CORE DRILL SUPPLIED INTO          |        | PLASTIC CASE   |

|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 8"                           | 7"                            | 16"                                 |

|  | drilling diameter<br>MASONRY | drilling diameter<br>CONCRETE | suggested depth<br>(with extension) |
|--|------------------------------|-------------------------------|-------------------------------------|
|  | 10"                          | 8"                            | 19"                                 |

### THE KIT INCLUDES:

1. hand-held core drill T2000 MA-15
2. drill stand for hand-held core drill, model L 180
3. 506148 - spacer kit H=1,18"
4. 506102 - CARDIFACILE - quick bit unscrew device 1" ¼
5. 501370 - core bit extension 1" ¼ L=11" ¾ aluminum
6. 506250 - Anchoring fixing bolt kit
7. 503090 - plastic case for T2000 ME-15
8. core bit CDS XXX, 1" ¼, diam. available up to 5"



### ACCESSORIES



DPT H COMPACT  
dust extractor

# STATIONARY CORE DRILLS

## SINGLE-PHASE 110-120V

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

CORE DRILL MOTORS  
CORE DRILL STANDS

## TWIN MOTOR

- BM 805
- BM 1005



# P2000 MS-13-K

DRY DRILLING WITH MICROPERCUSSION

## CORE DRILL KIT FOR ELECTRICIANS

### TECHNICAL SPECIFICATIONS

|                                      | P2000 MS-13-K |                     |
|--------------------------------------|---------------|---------------------|
| CURRENT (110-120 V - 50/60 Hz)       | A             | 15 (MAX 18)         |
| R.P.M. IDLE / ON LOAD                | r.p.m.        | 2,090 / 1,650       |
| PERCUSSIONS IDLE / ON LOAD           | n/min         | 37,620 / 29,700     |
| DRILLING RANGE IN MASONRY / ABRASIVE | Ø in          | up to 6"½           |
| DRILLING RANGE IN CONCRETE           | Ø in          | up to 6"½           |
| BIT SPINDLE CONNECTION               | ---           | M18 x 2.5           |
| MATERIALS TO BE DRILLED              |               | see chart on page 4 |
| WEIGHT                               | Kg/lb         | 4.8 / 10.58         |
| SUPPLIED INTO                        |               | PLASTIC CASE        |

### THE CORE DRILL KIT FOR ELECTRICIANS INCLUDES

1. hand-held core drill P2000 MS-13 with micropercussion
2. 503134 - bit extension M16 L=11" ¾
3. 503148 - adaptor M18(f)-M16(m) for M16 bits
4. 506135 - quick adaptor M16 for SDS PLUS bit
5. 506134 - bit SDS PLUS Ø12 L=260 mm
6. 503060 - plastic case for P2000 MS-13
7. diamond core bit CDS XXX-M16, diam. available up to 5.2"



### ACCESSORIES



505561 - dust  
extraction chuck



DPT H COMPACT  
dust extractor

# CARDI 200 - CARDI 250



**CARDI 200**  
18 A - 3 speed  
drilling up to Ø 8"



**CARDI 250**  
25 A - 2 speed  
drilling up to Ø 10"

## 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 guarrails, 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):**
  - 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 hits to the anchoring system when the drilling starts

- **safety mechanical clutch:**
  - protects the operator in case the core bit gets stuck and suddenly stops
  - avoids damages to the gearbox

- **PRCD - GFI**
  - 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:** 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)



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



Rapid-Lock motor mounting system - CARDI 200 / 250  
for core bits, see pag. 46

# CARDI 306 - CARDI 400



**CARDI 306**  
25 A - 2 speed  
drilling up to Ø 12"



**CARDI 400**  
25 A - 3 speed  
drilling up to Ø 16"

| TECHNICAL SPECIFICATIONS         |           | CARDI 306            | CARDI 400   |
|----------------------------------|-----------|----------------------|-------------|
| CORE DRILL MOTOR MODEL           |           | T4 300-EL            | T6 375-EL   |
| CORE DRILL STAND MODEL           |           | L 200                | L 250       |
| CURRENT (110-120 V - 50/60 Hz)   | A         | 18 (MAX 22)          | 25 (MAX 31) |
| R.P.M. IDLE / ON LOAD            | SPEED I   | r.p.m. 560 / 410     | 440 / 290   |
|                                  | SPEED II  | r.p.m. 1,340 / 990   | 1,030 / 680 |
|                                  | SPEED III | r.p.m. 1,850 / 1,380 | 1,300 / 860 |
| DRILLING RANGE IN CONCRETE - WET | Ø in      | up to 8"             | up to 10"   |
| BIT SPINDLE CONNECTION           | ---       | 1" ¼ UNC + 5/8"      | 1" ¼ UNC    |
| WEIGHT                           | Kg/lb     | 19 / 42              | 29 / 64     |

| ACCESSORIES                      |           | CARDI 306          | CARDI 400   |
|----------------------------------|-----------|--------------------|-------------|
| CORE DRILL MOTOR MODEL           |           | T4 300-EL          | T6 375-EL   |
| CORE DRILL STAND MODEL           |           | C 520              | C 520       |
| CURRENT (110-120 V - 50/60 Hz)   | A         | 25 (MAX 31)        | 25 (MAX 31) |
| R.P.M. IDLE / ON LOAD            | SPEED I   | r.p.m. 440 / 290   | 310 / 200   |
|                                  | SPEED II  | r.p.m. 1,030 / 680 | 700 / 460   |
|                                  | SPEED III | r.p.m. 1,300 / 860 | 1,300 / 860 |
| DRILLING RANGE IN CONCRETE - WET | Ø in      | up to 12"          | up to 16"   |
| BIT SPINDLE CONNECTION           | ---       | 1" ¼ UNC           | 1" ¼ UNC    |
| WEIGHT                           | Kg/lb     | 40 / 88            | 41 / 90     |

**ACCESSORIES**

- 506250 - Anchoring fixing bolt kit INCLUDED
- 505062 - water collecting kit diam. 9" ¾
- 501370 - 1" ¼ ALU extension L=11" ¾
- 502410 - ALU extension 1" ¼ L=19" 1/2
- 505064 - scaffold anchoring kit
- 505355 - quick bit unscrew device 1" ¼ INCLUDED
- 505063 - vacuum base kit
- PV 4-S (115V) - electrical vacuum pump
- 505812 - water pump - 10 liters

# CARDI 500 - CARDI 501



**CARDI 500**  
25 A - 4 speed  
drilling up to Ø 20"

**CARDI 501**  
25 A - 4 speed  
drilling up to Ø 20"

## USERS

- general contractors, construction businesses
- cutting and coring professionals

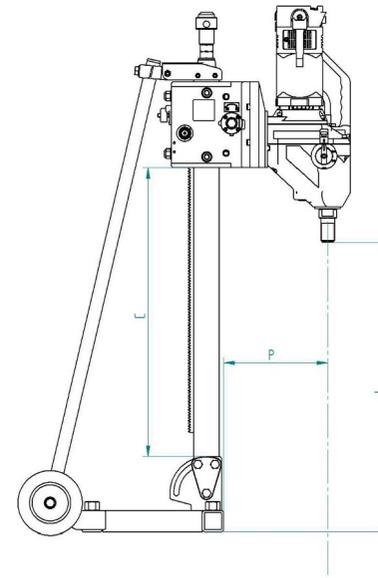
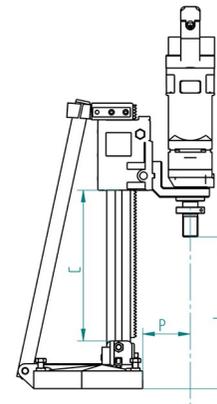
## APPLICATIONS

- 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

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):**
  - 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 hits to the anchoring system when the drilling starts
- **safety mechanical clutch:**
  - protects the operator in case the core bit gets stuck, suddenly stops
  - avoids damages to the gearbox
- **PRCD - GFI**
  - 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 that stabilizes the core drill, guaranteeing higher safety

# HELPFUL SIZES

| CORE DRILL  | SIZES, in |        |      | ACCESSORIES SPACERS         |
|-------------|-----------|--------|------|-----------------------------|
|             | C         | L      | P    | WIDTH, in                   |
| CARDI 183   | 22.72     | 22.83  | 4.33 | 1.18                        |
| CARDI 183-K | 22.72     | 22.83* | 4.33 | 1.18                        |
| CARDI 184-K | 22.72     | 22.83* | 5.51 | 1.18 (supplied as standard) |
| CARDI 185   | 22.72     | 22.83  | 4.33 | 1.18                        |
| CARDI 187   | 22.72     | 22.83  | 5.51 | 1.18 (supplied as standard) |
| CARDI 189   | 22.72     | 22.83  | 5.51 | 1.18 (supplied as standard) |
| CARDI 202-K | 9.21      | 10.20  | 4.33 | 1.18                        |

\* = without 502305 (flush drilling device)

| CODE   | SPACER DESCRIPTION |
|--------|--------------------|
| 506148 | H = 1.18 in        |



| CORE DRILL | SIZES, in |       |       | ACCESSORIES SPACERS                         |
|------------|-----------|-------|-------|---|
|            | C         | L     | P     | WIDTH, in                                   |
| CARDI 200  | 22.72     | 22.32 | 5.12  | 20 / 50 (4 holes)                           |
| CARDI 250  | 28.35     | 26.38 | 6.57  | 0.79 / 1.77 / 2.36 / 3.15 / 4.33 (6 holes)  |
| CARDI 306  | 25.79     | 25.2  | 7.68  | 0.79 / 1.77 / 2.36 / 3.15 / 4.33 (6 holes)  |
| CARDI 400  | 25.79     | 24.65 | 9.45  | 0.79 / 1.77* / 2.36 / 3.15 / 4.33 (6 holes) |
| CARDI 500  | 25.79     | 23.62 | 10.67 | 0.79 / 1.77* / 2.36 / 3.15 / 4.33 (6 holes) |
| CARDI 501  | 26.57     | 25.98 | 11.18 | 0.79 / 1.77* / 2.36 / 3.15 / 4.33 (6 holes) |
| CARDI 205  | 25.79     | 24.96 | 8.90  | 0.79 / 1.77 / 2.36 / 3.15 / 4.33 (6 holes)  |
| CARDI 605  | 25.79     | 24.96 | 12.05 | 0.79 / 1.77 / 2.36 / 3.15* / 4.33 (6 holes) |
| CARDI 606  | 26.57     | 27.32 | 12.56 | 0.79 / 1.77 / 2.36 / 3.15* / 4.33 (6 holes) |
| CARDI 805  | 26.57     | 27.20 | 12.60 | 1.46* / 4.21                                |
| CARDI 1005 | 26.57     | 25.91 | 12.60 | 1.46* / 4.21                                |

\* = supplied as standard

| CODE   | SPACER DESCRIPTION  |
|--------|---------------------|
| 502545 | H = 0.79" - 4 holes |
| 502296 | H = 1.97" - 4 holes |



|        |                     |
|--------|---------------------|
| 501899 | H = 0.79" - 6 holes |
| 501852 | H = 1.77" - 6 holes |
| 501654 | H = 2.36" - 6 holes |
| 506107 | H = 3.15" - 6 holes |
| 501634 | H = 4.33" - 6 holes |



|        |                            |
|--------|----------------------------|
| 506106 | H = 1.46" CARDI 805 / 1005 |
|--------|----------------------------|



|        |                            |
|--------|----------------------------|
| 506105 | H = 4.21" CARDI 805 / 1005 |
|--------|----------------------------|



| TECHNICAL SPECIFICATIONS         |           | CARDI 500          | CARDI 501   |
|----------------------------------|-----------|--------------------|-------------|
| CORE DRILL MOTOR MODEL           |           | T9 475-EL          | T9 475-EL   |
| CORE DRILL STAND MODEL           |           | C 520              | C 600       |
| CURRENT (110-120 V - 50/60 Hz)   | A         | 25 (MAX 31)        | 25 (MAX 31) |
| R.P.M. IDLE / ON LOAD            | SPEED I   | r.p.m. 260 / 170   | 260 / 170   |
|                                  | SPEED II  | r.p.m. 500 / 330   | 500 / 330   |
|                                  | SPEED III | r.p.m. 810 / 540   | 810 / 540   |
|                                  | SPEED IV  | r.p.m. 1,360 / 900 | 1,360 / 900 |
| DRILLING RANGE IN CONCRETE - WET | Ø in      | up to 20"          | up to 20"   |
| BIT SPINDLE CONNECTION           | ---       | 1" ¼ UNC           | 1" ¼ UNC    |
| WEIGHT                           | Kg/lb     | 42 / 92            | 46 / 101    |

## ACCESSORIES



# COMPACT CORE DRILL MOTORS

IDEAL FOR CONTRACTORS AND RENTAL MARKET

## T1 200-EL

18 A - 3 speed  
drilling up to Ø 8"



compact, lightweight for indoor use on house power

## T2 220-EL

20 A - 3 speed  
drilling up to Ø 9"



compact, lightweight, slim design with 20 A motor power

## T4 300-EL

25 A - 2 speed  
drilling up to Ø 12"



two speed powerful drill motor for contractors and rental market

### USERS

- general contractors, construction businesses;
- plumbers and heating systems fitters;
- electricians, fitters, installers;
- cutting & coring professionals in need of light weight and compact motors.

### APPLICATIONS

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

### TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists in the combination of four functions, electronic and mechanical, which are able to work in synergy to ensure maximum 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 break-down 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 tears on the anchoring system when starting the drill;
- **safety mechanical clutch:**  
- protects the operator in case of core bit stuck and suddenly stop;  
- avoids damages to the gearbox;
- **GFI in line or GFI-BOX in line** mounted as standard:  
- it protects the operator in case of electrical malfunction and lost of insulation;  
- it operates in the event that live parts come in contact with water;
- **"voltage drop" motor stop system :**  
- avoids unintentional restart in the event of drop/loss and coming back of the power;

| TECHNICAL SPECIFICATIONS         |         | T1 200-EL | T2 220-EL       | T4 300-EL   |
|----------------------------------|---------|-----------|-----------------|-------------|
| CURRENT (110-120 V - 50/60 Hz)   |         | A         | 18 (MAX 22)     | 20 (MAX 25) |
| R.P.M. IDLE / ON LOAD            | GEAR 1° | r.p.m.    | 560 / 410       | 440 / 290   |
|                                  | GEAR 2° | r.p.m.    | 1,340 / 990     | 1,030 / 680 |
|                                  | GEAR 3° | r.p.m.    | 1,850 / 1,380   | 1,150 / 780 |
| DRILLING RANGE IN CONCRETE - WET |         | Ø         | 1"¼ - 8"        | 1"¼ - 9"    |
| BIT SPINDLE CONNECTION           |         | ---       | 1" ¼ UNC + 5/8" | 1"1/4 UNC   |
| WEIGHT                           |         | Kg/lb     | 7.3 / 16        | 9.5 / 21    |

# PROFESSIONAL CORE DRILL MOTORS

FOR THE PROFESSIONALS' DAILY USE

## T6 375-EL

25 A - 3 speed  
drilling up to Ø 16"



professional drill motor for daily use

## T9 475-EL

25 A - 4 speed  
drilling up to Ø 20"



the most sold 4 speed motor, high torque for the professionals

## VORTEX 625-EL

25 A - 6 speed  
drilling up to Ø 24"



the only 6 speed motor on the market largest rpm range for every professional's task

| TECHNICAL SPECIFICATIONS         |         | T6 375-EL | T9 475-EL   | VORTEX 625  |
|----------------------------------|---------|-----------|-------------|-------------|
| CURRENT (110-120 V - 50/60 Hz)   |         | A         | 25 (MAX 31) | 25 (MAX 31) |
| R.P.M. IDLE / ON LOAD            | GEAR 1° | r.p.m.    | 310 / 200   | 210 / 140   |
|                                  | GEAR 2° | r.p.m.    | 700 / 460   | 500 / 330   |
|                                  | GEAR 3° | r.p.m.    | 1,300 / 860 | 810 / 540   |
|                                  | GEAR 4° | r.p.m.    | -----       | 1,360 / 900 |
|                                  | GEAR 5° | r.p.m.    | -----       | -----       |
|                                  | GEAR 6° | r.p.m.    | -----       | -----       |
| DRILLING RANGE IN CONCRETE - WET |         | Ø         | 1"¼ - 16"   | ¾" - 20"    |
| BIT SPINDLE CONNECTION           |         | ---       | 1"1/4 UNC   | 1"1/4 UNC   |
| WEIGHT                           |         | Kg/lb     | 12.5 / 28   | 14.0 / 31   |

# TWIN MOTOR CORE DRILLS

## HEAVY DUTY

### BM 805

50 A - 3 speed  
drilling up to Ø 32"



### BM 1005

50 A - 4 speed  
drilling up to Ø 40"



### APPLICATIONS

- continuous drilling of high length 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;

### TOTAL PROTECTION SYSTEM BY CARDI - ADVANTAGES

It consists in the combination of most functions, electronic and mechanical, which are able to work in synergy to ensure maximum protection for the operator and for the machine. The main integrated functions are:

- **"CARDI Electronic Clutch"** :
  - protects from overloads and prevents damages to the motor;
  - no break-down during your work and very limited service costs;
- **soft start (peaks limiter):**
  - at the motor start-up avoids peaks of power and hits to the fastening system and to the motor itself;

- **multidiscs mechanical clutch:**
  - engineered to support an intensive and heavy use;
  - it requires minimal maintenance thanks to its interaction in synergy with the "CARDI Electronic Clutch";

- **GFI-BOX (Ground Fault Interrupter):**
  - it protects the operator in case of electrical malfunction and lost of electrical insulation;
  - it operates in the unlucky event that live parts come into contact with water;

- **"voltage drop" motor stop system :**
  - avoids unintentional restart in the event of drop/loss and coming back of the power;

### FEATURES

- **3 or 4 mechanical gears gearboxes, oil lubricated and oversized:**
  - they allow to provide higher torque and power to the core bit spindle, unlike the "gear-changers" that act electronically on the motor's rpm and which dissipate a large part of its power in the electronic device that controls the rpm reduction.

| TECHNICAL SPECIFICATIONS         |                | BM 805      | BM 1005     |
|----------------------------------|----------------|-------------|-------------|
| CURRENT (110-120 V - 50/60 Hz)   | A              | 50 (MAX 62) | 50 (MAX 62) |
| R.P.M. IDLE / ON LOAD            | GEAR 1° r.p.m. | 110 / 70    | 80 / 50     |
|                                  | GEAR 2° r.p.m. | 240 / 160   | 120 / 80    |
|                                  | GEAR 3° r.p.m. | 400 / 260   | 200 / 130   |
|                                  | GEAR 4° r.p.m. | -----       | 290 / 190   |
| DRILLING RANGE IN CONCRETE - WET | Ø              | 4" - 32"    | 6" - 40"    |
| BIT SPINDLE CONNECTION           | ---            | 1"1/4 UNC   | 1"1/4 UNC   |
| WEIGHT                           | Kg/lb          | 28 / 62     | 39 / 86     |

# CORE DRILL STANDS



### L 180

- alu compact anchor base
- extruded aluminum 2 x 2" ca.
- 45° tilting
- 60 mm collar connection
- max carriage run 22"¾
- core drill up to 8"
- weight 11 kg / 25 lb

### SUGGESTED CORE DRILLS

- all the hand held core drills



### L 200

- alu compact anchor base
- extruded aluminum 2 x 2" ca.
- 45° tilting
- rapid-lock quick connection
- max carriage run 22"¾
- core drill up to 9"
- weight 11.6 kg / 26 lb

### SUGGESTED CORE DRILL MOTORS

- T1 200-EL drilling up to 8" (w/o spacer)
- T2 200-EL drilling up to 9" (w/o spacer)



### L 250 / L 250 V

- L 250: alu anchor base
- L 250 V: alu combo base
- extruded aluminum 2 x 2" ca.
- 45° tilting
- rapid-lock quick connection
- max carriage run 28"¾
- core drill up to 10" (max 12")
- L 250: weight 16.3 kg / 36 lb
- L 250 V: weight 19.6 kg / 43 lb

### SUGGESTED CORE DRILL MOTORS

- T2 200-EL drilling up to 9" (w/o spacer)
- T4 300-EL drilling up to 12" (w/o spacer)



L 180  
Motor mount 60 mm collar



L 200 - L 250 - L 300 - L 300 V  
Rapid-Lock motor mounting system



L 200 - L 200  
Extruded Alu column 50x50 mm  
Alu compact anchor base



L 180 - L 200 - L 250 - L 250 V - L 300 - L 300 V  
Core bit stabilizer



L 250 - L 300  
Aluminum compact anchor base  
Wheels included



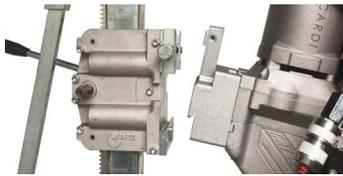
L 300 - L 300 V - C 520 - C 600 - C 600-1500  
Contrast tie-rod to be used with scaffold tube.

### L 300 / L 300 V

- L 300: alu anchor base
- L 300 V: alu combo base
- steel column 2 x 2" ca.
- 45° tilting
- rapid-lock quick connection
- max carriage run 28<sup>1</sup>/<sub>4</sub>"
- core drill up to 12"
- L 300: weight 19.3 kg / 43 lb
- L 300 V: weight 22.8 kg / 50 lb

### SUGGESTED CORE DRILL MOTORS

- T4 300-EL drilling up to 12" (w/o spacer)



C 520  
Dove-tail quick connection



C 520 - C 600 - C 600-1500  
Heavy duty steel anchor base

### C 520

- heavy duty anchor steel base
- steel column 2 x 2" ca.
- roller carriage
- 45° tilting
- dove-tail quick connection
- max carriage run 25<sup>3</sup>/<sub>4</sub>"
- core drill up to 20"
- weight 22.5 kg / 50 lb

### SUGGESTED CORE DRILL MOTORS

- T6 375-EL drilling up to 16" (spacer 45 mm)
- T9 475-EL drilling up to 20" (spacer 45 mm)



C 600 - C 600-1500  
CAM-LOCK quick connection motor to drill stand

### C 600 / C 600-1500

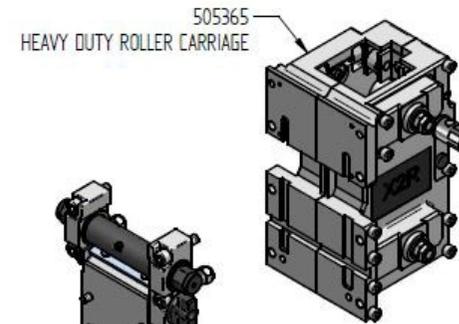
- heavy duty anchor steel base
- steel column 2<sup>1</sup>/<sub>2</sub> x 2<sup>1</sup>/<sub>2</sub> ca.
- roller carriage
- 45° tilting
- CAM-LOCK quick connection
- C 600: max carriage run 26<sup>1</sup>/<sub>2</sub>"
- C 600-1500: max carriage run 46<sup>1</sup>/<sub>4</sub>"
- core drill up to 24"
- C 600: weight 34 kg / 75 lb
- C 600-1500: weight 37.5 kg / 83 lb

### SUGGESTED CORE DRILL MOTORS

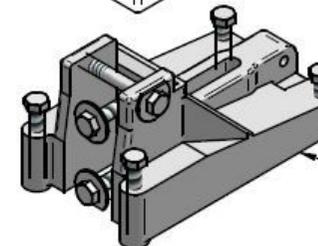
- T9 475-EL drilling up to 20" (spacer 45 mm)
- VORTEX 625 drilling up to 24" (spacer 80 mm)

### SPACERS

|  |        |           |
|--|--------|-----------|
|  | 501852 | H = 45 mm |
|  | 501654 | H = 60 mm |
|  | 506107 | H = 80 mm |



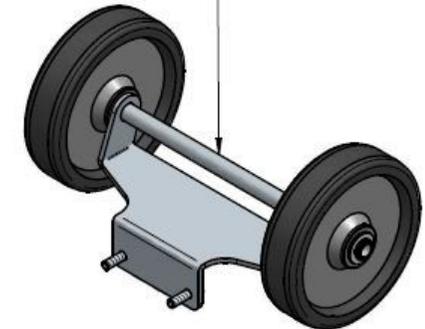
MAST  
2"7/8 x 2"7/8



## KIT 506259 X2R ASSEMBLY KIT



505387  
WHEEL KIT



505323  
ANCHOR BASE KIT

## EXTRA-LONG COLUMN C 600-1500



Designed to use diamond bits and 40"-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 230V AVAILABLE ONLY

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   |                                    |

230 V AVAILABLE. 110-120 V NOT AVAILABLE

## ACCESSORIES FOR CORE DRILLS



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 | 7" 3/4        |
| 501370 | 11" 3/4       |
| 502410 | 19" 3/4       |



## CORE BIT EXTENSIONS 1/2G - ALUMINUM

| CODE   | USABLE LENGTH |
|--------|---------------|
| 501376 | 7" 3/4        |
| 501377 | 11" 3/4       |
| 502423 | 19" 3/4       |



## CORE BIT EXTENSIONS M16 - STEEL

| CODE   | USABLE LENGTH |
|--------|---------------|
| 503134 | 11" 3/4       |



## CARDIFACILE - QUICK BIT UNSCREW DEVICE 1" 1/4

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



## BRASS RING FOR 1" 1/4 CORE BITS HIGH THICKNESS (4 mm / 0.16") 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 + HOLE Ø 19mm |



How to use the axial guide device:  
 - drill a hole into the material with a standard drill  
 - assemble the device on the machine  
 - use the hole to guide the core drilling

## 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) |
|--------|---------------------------|

|        |                                    |
|--------|------------------------------------|
| 506135 | quick adaptor M16 for SDS PLUS bit |
|--------|------------------------------------|

|        |                           |
|--------|---------------------------|
| 506134 | SDS PLUS bit Ø12 L=260 mm |
|--------|---------------------------|



## 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 110-120 V

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

- Power: 2.7 HP / 2.0 kW / 19 A - double motors
- Max air flow: 211.9 cfm
- 2 filters: H / HEPA + M
- Filtration class: H14/HEPA (99.995% D.O.P.) + M/PTFE
- Filter surfaces: H/HEPA filter 1,728 in<sup>2</sup>, M filter 930 in<sup>2</sup>
- Other: PTFE bag for dust collection, filter clogging warning light
- Dimensions: 15" x 15" x 31" 1/2
- Material, weight: 100% steel, 49 lb
- Included accessories: hoses, floor cleaning acc.



## VACUUM FIXING FOR DRILLING MAX DIAMETER 9" 3/4

| CODE   | DIMENSION                                 |
|--------|---|
| 505066 | VACUUM BASE KIT 10" x 10" (force ~300 kg) |
| 505063 | VACUUM BASE KIT 12" x 13" (force ~500 kg) |

| CODE          | DESCRIPTION                  |
|---------------|------------------------------|
| PV 4-S (115V) | 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 = 0.79" - 4 holes                              |
| 502296 | H = 1.97" - 4 holes                              |
| 506148 | H = 1.18" (L 160 - L 180)                        |
| 506132 | H = 1.18" + collar 60 mm (L 200 - L 250 - L 300) |
| 501899 | H = 0.79" - 6 holes                              |
| 501852 | H = 1.77" - 6 holes                              |
| 501654 | H = 2.36" - 6 holes                              |
| 506107 | H = 3.15" - 6 holes                              |
| 501634 | H = 4.33" - 6 holes                              |
| 506106 | H = 1.46" CARDI 805 / 1005                       |
| 506105 | H = 4.21" CARDI 805 / 1005                       |



## ANCHOR FIXING

| CODE   | DESCRIPTION  |
|--------|--------------|
| 506260 | WING FAS NUT |
| 506250 | PRO FAS NUT  |



**PORTABLE WATER PUMP WITH 10 LITERS TANK**

CODE 505812



**WATER COLLECTION KITS FOR CORE BITS MAX DIAMETER 5" 3/4 AND 9" 3/4**

| CODE   | DRILL STAND MODELS                    | Ø      |
|--------|---------------------------------------|--------|
| 505062 | L 160 - L 180 - L 200 - L 250 - L 300 | 9" 3/4 |
| 503999 | C 520 - C 600 - C 600-1500            | 9" 3/4 |
| 501712 | (spare rubber disc)                   | 9" 3/4 |
| 505061 | L 160 - L 180 - L 200 - L 250 - L 300 | 5" 3/4 |
| 501111 | (spare rubber disc)                   | 5" 3/4 |



**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 1" 1/2
- core bit maximum diameter 3" 1/4



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

**SCAFFOLD FIXING ACCESSORIES**

| CODE   | DRILL STAND MODEL                |
|--------|----------------------------------|
| 505064 | L160 - L180 - L200 - L250 - L300 |
| 503160 | C 520 - C 600 - C 600-1500       |



**ELECTRIC HAND-HELD BLADE SAWS**



PE 400

PE 401

TP 400

TP 400-FC

PE 350

PIRANHA 125

# PE 400 ELECTRIC BLADE SAW

## WET CUTTING ALSO FLUSH



### 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, 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):**
  - 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 for wet cutting, it provides:

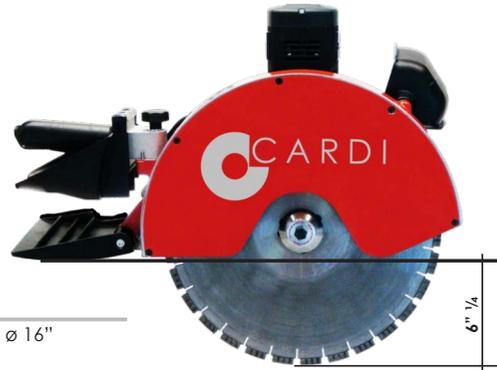
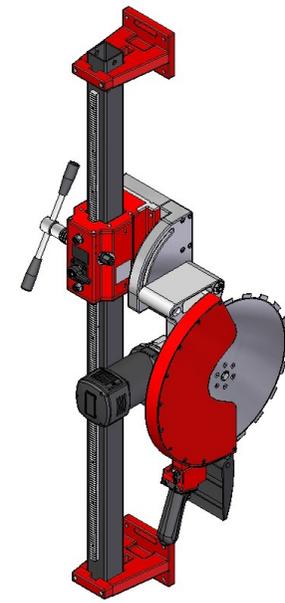
- higher penetration and cutting speed, with lower effort for the operator, thanks to thinner diamond segments than those found on the market
- reduced weight due to very thin but highly-resistant carbon steel core
- the possibility to cut flush to wall or floor

### ADVANTAGES

- **the most powerful** on the market:
  - 25 A electrical motor at 110-120 V (31 A max)
- **great cutting depth:**
  - up to 6" 1/4
- **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:** PE 400 allows dry cutting using the dust extraction accessory and a specific blade; the accessory must be connected to a dust extractor, able to filter concrete dust (flush cutting not possible with the dust extraction accessory)
- **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



### PE 400 ON DA VINCI SYSTEM



# PE 401 ELECTRIC BLADE SAW

## DRY CUTTING WITH DUST EXTRACTION

### WET CUTTING ALSO FLUSH



DUST FREE EXTRACTION SYSTEM INTEGRATED

### USERS

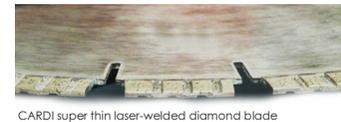
- **CARDI electronic clutch or electronic load limiter:**
  - protects from overloads and prevents damages to the motor
  - no breakdown during your work and very limited service costs
- **soft start (peaks limiter):**
  - allows the machine to be plugged into a regular household outlet, avoiding the 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 for wet cutting, it provides:

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

- **the most powerful** on the market:
  - 25 A electrical motor at 110-120 V (31 A max)
- **great cutting depth:**
  - up to 6" 1/4
- **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:** PE 400 allows dry cutting using the dust extraction accessory and a specific blade; the accessory must be connected to a dust extractor, able to filter concrete dust (flush cutting not possible with the dust extraction accessory)
- **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



| TECHNICAL SPECIFICATIONS                  |        | PE 400-BL                            | PE 401-BL            |
|---|--------|--------------------------------------|----------------------|
| CURRENT (110-120 V - 50/60 Hz)            | A      | 25 (MAX 31)                          |                      |
| R.P.M. IDLE / ON LOAD                     | r.p.m. | 2,540 / 1,670                        |                      |
| BLADE DIAMETER                            |        | 16"                                  |                      |
| BLADE ARBOR (diam.) / SUITABLE BLADE HOLE |        | 1"                                   |                      |
| MAXIMUM CUTTING DEPTH                     |        | 6" 1/4 (5" 1/4 with dust extraction) |                      |
| FLANGE FOR FLUSH CUTTING IN WET           |        | supplied as standard                 |                      |
| DUST EXTRACTION ACCESSORY (506152)        |        | optional                             | supplied as standard |
| WEIGHT (without blade)                    | Kg/lb  | 13.0 / 29                            | 14.5 / 32            |

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

# PE 350

## ELECTRIC BLADE SAW WET CUTTING



PE 350

20 A - blade ø 14"  
cutting depth 5" 1/2

| TECHNICAL SPECIFICATIONS                  |        | PE 350-BL     |
|---|--------|---------------|
| CURRENT (110-120 V - 50/60 Hz)            | A      | 20 (MAX 25)   |
| R.P.M. IDLE / ON LOAD                     | r.p.m. | 3,040 / 2,260 |
| BLADE DIAMETER                            |        | 14"           |
| MAXIMUM CUTTING DEPTH                     |        | 5" 1/2        |
| BLADE ARBOR (diam.) / SUITABLE BLADE HOLE |        | 1"            |
| WEIGHT (without blade)                    | Kg/lb  | 11.5 / 26     |

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



Cutting Depth regulation



90° rotatable handle



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, 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):**
  - 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 BLADES DDT 350-SX, DDT 400-SX

Supplied with the machine for wet cutting, it provides:

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

for diamond blades, see pag. 44

### ADVANTAGES

- **high power:**
  - 20 A electric motor at 110-120 V (25 A max)
- **great cutting depth:**
  - TP 400 / TP 400-FC: up to 6" 1/4
  - PE 350: up to 5" 1/2
- **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

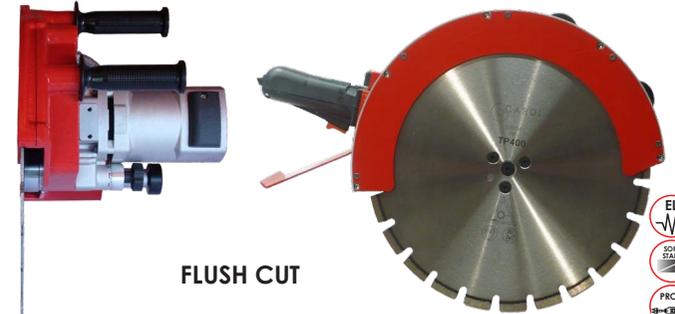
# TP 400

## ELECTRIC BLADE SAW WET CUTTING



# TP400-FC

## ELECTRIC BLADE SAW WET CUTTING



| TECHNICAL SPECIFICATIONS                  |        | TP 400-BL     | TP 400-FC-BL |
|---|--------|---------------|--------------|
| CURRENT (110-120 V - 50/60 Hz)            | A      | 20 (MAX 23.5) |              |
| R.P.M. IDLE / ON LOAD                     | r.p.m. | 2,450 / 1,930 |              |
| BLADE DIAMETER                            |        | 16"           |              |
| MAXIMUM CUTTING DEPTH                     |        | 6" 1/4        |              |
| BLADE ARBOR (diam.) / SUITABLE BLADE HOLE |        | 1"            |              |
| FLUSH CUT                                 |        | ----          | POSSIBLE     |
| WEIGHT (without blade)                    | Kg/lb  | 13.0 / 29     | 12.5 / 28    |

| DIAMOND BLADES and ACCESSORIES |   |
|--------------------------------|---|
| DDT 400-SX                     | CARDI SPECIAL DIAMOND BLADE - WET CUTTING 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, 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):**
  - 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       |
|---|--------|-----------------|
| CURRENT (110-120 V - 50/60 Hz)            | A      | 15 (MAX 18)     |
| R.P.M. IDLE / ON LOAD                     | r.p.m. | 8,270 / 6,530   |
| DIAMOND BLADE (quantity and diameter)     |        | 2 X 5" (125 mm) |
| GROOVE MAXIMUM WIDTH                      | in     | 1" 9/16         |
| GROOVE MAXIMUM DEPTH                      | in     | 1" 1/2          |
| BLADE ARBOR (diam.) / SUITABLE BLADE HOLE | in     | 7/8"            |
| WEIGHT (without blades)                   | Kg/lb  | 4.6 / 10        |

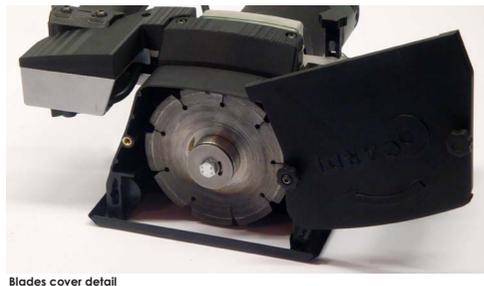


## DIAMOND CHAINSAWS

- COCCODRILLO35
- ALLIGATORE18
- ALLIGATORE22

## DA VINCI SYSTEM

- DV CD35-1500
- DV AL22-1500
- DV PE400-1500
- DV SD-1500



for diamond blades, see pag. 44



# AL18.43

## ELECTRIC CHAINSAW - DRY CUTTING OF BLOCKS

230 V AVAILABLE ONLY



# 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, 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



| 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         |        | length 43 cm / 17"                              |
| 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/lb  | 10 / 22   |
| cod. BAR43: GUIDE BAR            |        |   |
| cod. CHAIN43: HARD METAL CHAIN   |        |   |
| 505290: 7-SEGMENT DRIVE SPROCKET |        |   |

# AL22.43 / AL22.53

## ELECTRIC CHAINSAW - DRY CUTTING OF BLOCKS

230 V AVAILABLE ONLY



| 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      |        | length 43 cm / 17"                              | length 53 cm / 21" |
| 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/lb  | 10.5 / 23.1                                     | 10.7 / 23.6        |
| GUIDE BAR                     |        | cod. BAR43 - 17"                                | cod. BAR53 - 21"   |
| HARD METAL CHAIN              |        | cod. CHAIN43 - 17"                              | cod. CHAIN53 - 21" |
| 7-SEGMENT DRIVE SPROCKET      |        | 505290  |                    |

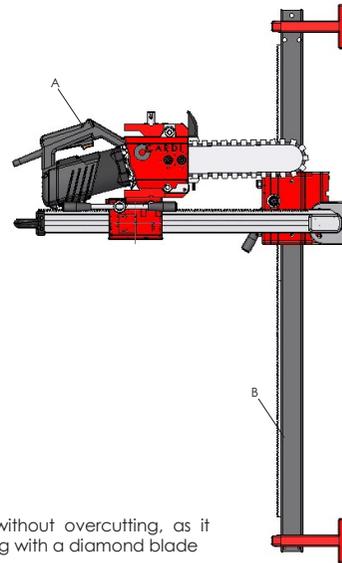
## DV CD35-1500



| Diamond chain wet cutting system        | DV CD35-1500                    |
|---|---------------------------------|
| ELECTRIC DIAMOND CHAINSAW POWERHEAD (A) | CD35.35                         |
| MAXIMUM CUTTING DEPTH                   | 16"                             |
| MAIN TRACK (B) LENGTH                   | 59"                             |
| USABLE CUTTING LENGTH                   | 47" <sup>1</sup> / <sub>4</sub> |
| CURRENT (110-120 V - 50/60 Hz)          | 25 (MAX 31)                     |

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 16"-deep cuts
- cut walls, floors, window and door openings, enlargement 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



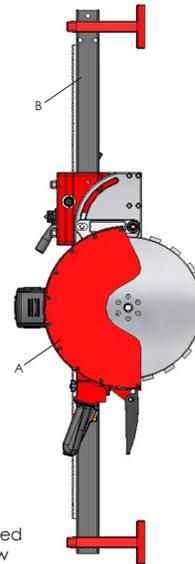
## DV PE400-1500



| Diamond blade saw wet cutting system | DV PE400-1500                   |
|--------------------------------------|---------------------------------|
| ELECTRIC BLADE SAW POWERHEAD (A)     | PE 400-BL                       |
| MAXIMUM CUTTING DEPTH                | 6" <sup>1</sup> / <sub>4</sub>  |
| MAIN TRACK (B) LENGTH                | 59"                             |
| USABLE CUTTING LENGTH                | 47" <sup>1</sup> / <sub>4</sub> |
| CURRENT (110-120 V - 50/60 Hz)       | 25 (MAX 31)                     |

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 6"<sup>1</sup>/<sub>4</sub>-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



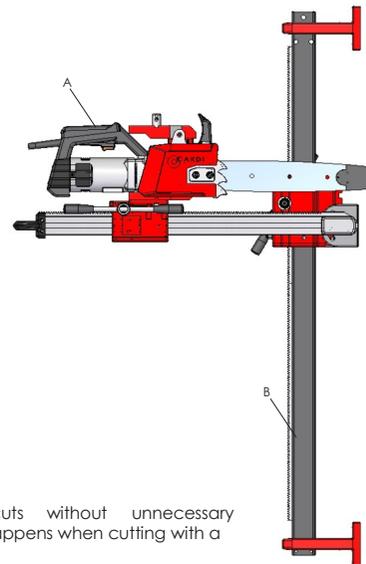
## DV AL22-1500 230 V AVAILABLE ONLY



| Carbide tipped chain dry cutting system     | DV AL22-1500                    |
|---|---------------------------------|
| ELECTRIC CARBIDE DRY CHAINSAW POWERHEAD (A) | AL22.53                         |
| MAXIMUM CUTTING DEPTH                       | 53 cm / 21"                     |
| MAIN TRACK (B) LENGTH                       | 59"                             |
| USABLE CUTTING LENGTH                       | 47" <sup>1</sup> / <sub>4</sub> |
| POWER - (230 V - 50/60 Hz)                  | 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 21"-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



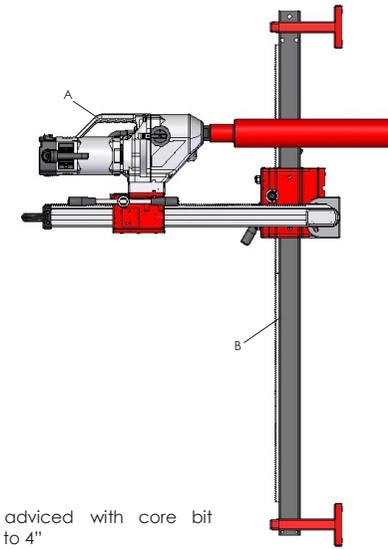
## DV SD



| Stitch drilling systems            | DV SD-1500<br><i>without drill motor</i> | DV SD-1501<br><i>drill motor included</i> | DV SD-1504<br><i>drill motor included</i> |
|------------------------------------|--|---|---|
| MAIN TRACK (B) LENGTH              | 59"                                      |   |   |
| USABLE CUTTING LENGTH              | 47" <sup>1</sup> / <sub>4</sub>          |   |   |
| DRILL MOTOR MODEL (A)              | -----                                    | T1 200-EL - 3 speed                       | T4 300-EL - 2 speed                       |
| MOTOR CURRENT (110-120 V-50/60 Hz) | -----                                    | 18 (MAX 22)                               | 25 (MAX 31)                               |
| DRILLING DIAMETER IN CONCRETE      | max 6"                                   | max 4"                                    | max 6"                                    |

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 3" to 4"



# DIAMOND CORE BITS

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

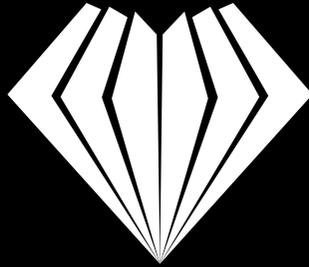
DV CD35-1500



Cutting with the DV CD35-1500 using the semi-automatic feeding system DA VINCI SERVO (available only at 230 V)

## DIAMOND PULSE-TECH

CARDI's revolutionary technology:  
get unmatched performances in dry and wet drilling



DIAMOND  
PULSE-TECH

**Advanced hybrid drilling technology  
with micro-percussion**

*A revolutionary technology, featuring tens of thousands  
of micro-percussions per minute, enabling for the first time  
advanced dry and wet drilling with an unmatched performance*

*Go where nobody else goes, faster*



## A unique and revolutionary technology

DIAMOND PULSE-TECH features breakthrough innovations, developed from scratch, across the entire drilling system

## The system

All components of the DIAMOND PULSE-TECH system work in synergy to enable advanced hybrid drilling

### • DPT anti-vibration technology

- reduces vibrations by 50%
- provides increased safety for the user and allows longer working hours



### • DPT technology with micro-percussion

- features a super-fast soft hammering effect – 9-26k hits/min on load
- enables 2 advanced drilling options with unparalleled performance:
  - advanced dry drilling
  - advanced wet drilling

### • Innovative state-of-the-art core bits, specifically studied for the DPT

- are specifically studied to ensure resistance to elevated temperatures and micro-percussion impacts
- ensures faster drilling times on all materials

1

### • Advanced hybrid core drill with micro-percussion

- allows to choose between 2 advanced drilling options:
  - advanced dry drilling: for a clean and faster drilling, in any environment
  - advanced wet drilling: for a faster drilling
- features the innovative DPT micro-percussion technology, developed by CARDI, which provides a super-fast soft hammering effect – 9-26k hits/min on load – and maintains the segment sharpened, clear from dust and debris, in all materials and conditions
- is equipped with the reliable, robust and powerful CARDI motors, delivering max power / current up to 3,350 W / 31 A, respectively



2

### • Core drill stand (rig) with anti-vibration technology

- features a new technology, developed by CARDI, that reduces vibrations by 50%, providing increased safety for the user and allowing longer working hours
- delivers a stable and efficient drilling performance, thanks to the reinforced structural design and materials used in all CARDI stands (rigs), while maintaining a compact size to ease transportability



3

### • Advanced dry and wet core bits

- feature segments that ensure faster drilling times on all materials, including the toughest reinforced concretes
- have segments laser-welded on a high-quality steel body, to ensure resistance to elevated temperatures and micro-percussion impacts



### • Industrial dust extractor - for any dry drilling, cutting, sawing work

- ensures an efficient removal of dust and debris and provides cooling to the core bit, thanks to the double powerful motors
- guarantees the safety for the user, thanks to the double and sizeable H/HEPA + M -class filters

## The advanced hybrid drilling options

DIAMOND PULSE TECH is the only technology that let you choose between advanced dry and advanced wet drilling



## The advantages of advanced dry and wet drilling

DIAMOND PULSE-TECH takes core drilling to new frontiers and delivers an unmatched drilling performance

| Advanced dry                         | Advanced wet                         |
|--------------------------------------|--------------------------------------|
| DPT technology with micro-percussion | DPT technology with micro-percussion |
| Air                                  | Water                                |
| Advanced dry core bit                | Advanced wet core bit                |

| Advantages of the advanced dry   | Advantages of the advanced wet   |
|--|--|
| <p> <b>Work cleanly</b></p> <ul style="list-style-type: none"> <li>• <b>Drill cleanly</b>, keep your site spotless: no water / slurry</li> <li>• <b>Do not worry about water connection</b></li> <li>• <b>Work in every environment:</b> e.g., finished interiors, historical buildings, cold sites, working sites with no water connection</li> </ul>   | <p> <b>Work faster</b></p> <ul style="list-style-type: none"> <li>• <b>Higher drilling speed</b>, on all materials, vs. standard wet drilling</li> </ul> <p><b>Reduce drilling time by &gt;40%: great savings and more jobs done</b></p> |
| <p> <b>Work faster</b></p> <ul style="list-style-type: none"> <li>• <b>Avoid site set-up</b> <ul style="list-style-type: none"> <li>-No waterproof drilling area</li> <li>-No water connection, no water hose running</li> </ul> </li> <li>• <b>Drill faster</b> <ul style="list-style-type: none"> <li>-Higher drilling speed, on all materials, vs. standard wet drilling</li> </ul> </li> <li>• <b>Avoid site clean-up</b> <ul style="list-style-type: none"> <li>-No need to clean up slurry</li> <li>-No time wasted on slurry disposal</li> </ul> </li> </ul> <p><b>Reduce working time by &gt;40%: great savings and more jobs done</b></p> | <p> <b>Work as usual</b></p> <ul style="list-style-type: none"> <li>• <b>Keep on working with water</b> when / if you prefer, as you are used to, while getting an unmatched drilling performance</li> </ul>                             |
| <p> <b>Reduce waste</b></p> <ul style="list-style-type: none"> <li>• <b>Get less waste</b> <ul style="list-style-type: none"> <li>-Get drilling dust; no water / slurry</li> </ul> </li> <li>• <b>Get a simpler, useful waste</b> <ul style="list-style-type: none"> <li>-Get dust, reusable to make concrete</li> <li>-Avoid slurry and its disposal</li> </ul> </li> </ul>   |  |
| <p> <b>Avoid damages</b></p> <ul style="list-style-type: none"> <li>• <b>Avoid risk and costs</b> of property damages due to water leakages</li> </ul>   |  |

- Use one single core drill
- Get multiple advanced drilling options
- Obtain unparalleled performance

- Drill cleanly: drill everywhere and better
- Drill faster: save time and money
- Take on more jobs: grow your business

## DPH 2200 ME-16

Advanced hybrid – wet / dry core drill



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | Hand-held or on stand (rig)                       |
|                        | Drilling mode               | Advanced hybrid - wet / dry                       |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,050 (max 2,450) W                               |
|                        | Input current - rated (max) | 18.0 (max 22.0) A                                 |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 1   |
|                        | Rated no-load rpm           | 1,270 min <sup>-1</sup>                           |
|                        | Rated load rpm              | 940 min <sup>-1</sup>                             |
|                        | Load micro-percussions      | 22,560 min <sup>-1</sup>                          |
|                        | Core bit connection         | 1" 1/4 UNC  |
|                        | PRCD / GFI                  | Included  |
|                        | Weight                      | 17.4 lb   |
| Dimensions - L x W x H | 22" 1/2 x 4" x 6" 3/4       |   |
| Supplied in            | Heavy duty plastic case     |   |

|           |                      |             |             |
|-----------|----------------------|-------------|-------------|
| Diameters | Hand-held / on stand |             |             |
|           | Masonry, bricks      | 1" 1/4 - 8" | 1" 1/4 - 8" |
|           | Reinforced concrete  | 1" 1/4 - 4" | 1" 1/4 - 6" |

Applications | Installations (HVAC, networks, anchors, chimneys, fences), any round opening

Professions | Plumber, electrician, installer, stonemason, landscaper, construction co.

## DPH 2200 ME-16-K and CARDI HS 200-K

Advanced hybrid – wet / dry core drilling kits

### DPH 2200 ME-16-K



DPH 2200 ME-16  
adv. hybrid –  
wet / dry core drill



DPT 082  
adv. dry  
core bit



CDU 082  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI HS 200-K



DPH 2200 ME-16  
adv. hybrid –  
wet / dry core drill



LDP 200  
anti-vibration  
core drill stand (rig)



DPT 082  
adv. dry  
core bit



CDU 082  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional

## DP 2200 MA-16

Advanced dry core drill

Advanced dry only



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | Hand-held or on stand (rig)                       |
|                        | Drilling mode               | Advanced dry                                      |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,050 (max 2,450) W                               |
|                        | Input current - rated (max) | 18.0 (max 22.0) A                                 |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 1   |
|                        | Rated no-load rpm           | 1,270 min <sup>-1</sup>                           |
|                        | Rated load rpm              | 940 min <sup>-1</sup>                             |
|                        | Load micro-percussions      | 22,560 min <sup>-1</sup>                          |
|                        | Core bit connection         | 1" 1/4 UNC  |
|                        | PRCD / GFI                  | Not necessary - no water                          |
|                        | Weight                      | 17.2 lb   |
| Dimensions - L x W x H | 22" 1/2 x 4" x 6" 3/4       |   |
| Supplied in            | Heavy duty plastic case     |   |

| Diameters           | Hand-held / on stand |             |
|---------------------|----------------------|-------------|
| Masonry, bricks     | 1" 1/4 - 8"          | 1" 1/4 - 8" |
| Reinforced concrete | 1" 1/4 - 4"          | 1" 1/4 - 6" |

Applications | Installations (HVAC, networks, anchors, chimneys, fences), any round opening

Professions | Plumber, electrician, installer, stonemason, landscaper, construction co.

## DP 2200 MA-16-K and CARDI DS 200-K

Advanced dry core drilling kits

### DP 2200 MA-16-K



DP 2200 MA-16  
adv. dry core drill



DPT 082  
adv. dry  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI DS 200-K



DP 2200 MA-16  
adv. dry core drill



LDP 200  
anti-vibration  
core drill stand (rig)



DPT 052  
adv. dry  
core bit



DPT 082  
adv. dry  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional

## DPH 3000 ME-17

Advanced hybrid – wet / dry core drill



|                    |                             |   |
|--------------------|-----------------------------|---|
| Technical features | Operational mode            | Hand-held or on stand (rig)                       |
|                    | Drilling mode               | Advanced hybrid - wet / dry                       |
|                    | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                    | Input power - rated (max)   | 2,300 (max 2,850) W                               |
|                    | Input current - rated (max) | 20.0 (max 25.0) A                                 |
|                    | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                    | Gears                       | 1   |
|                    | Rated no-load rpm           | 1,170 min <sup>-1</sup>                           |
|                    | Rated load rpm              | 870 min <sup>-1</sup>                             |
|                    | Load micro-percussions      | 20,880 min <sup>-1</sup>                          |
|                    | Core bit connection         | 1" ¼ UNC  |
|                    | PRCD / GFI                  | Included  |
|                    | Weight                      | 18.5 lb   |
|                    | Dimensions - L x W x H      | 21" ¾ x 4" ½ x 7"                                 |
| Supplied in        | Heavy duty plastic case     |   |

|           |                      |           |            |
|-----------|----------------------|-----------|------------|
| Diameters | Hand-held / on stand |           |            |
|           | Masonry, bricks      | 1" ¼ - 8" | 1" ¼ - 10" |
|           | Reinforced concrete  | 1" ¼ - 4" | 1" ¼ - 8"  |

Applications | Installations (HVAC, networks, anchors, chimneys, fences), any round opening

Professions | Plumber, electrician, installer, stonemason, landscaper, construction co.

## DPH 3000 ME-17-K and CARDI HS 250-K

Advanced hybrid – wet / dry core drilling kits

### DPH 3000 ME-17-K



DPH 3000 ME-17  
adv. hybrid –  
wet / dry core drill



DPT 102  
adv. dry  
core bit



CDU 102  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional

### CARDI HS 250-K



DPH 3000 ME-17  
adv. hybrid –  
wet / dry core drill



LDP 200  
anti-vibration  
core drill stand (rig)



DPT 102  
adv. dry  
core bit



CDU 102  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional

## DPH 3500 SE

Advanced hybrid – wet / dry core drill motor



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | On stand (rig)                                    |
|                        | Drilling mode               | Advanced hybrid - wet / dry                       |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,820 (max 3,350) W                               |
|                        | Input current - rated (max) | 25.0 (max 31.0) A                                 |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 3   |
|                        | Rated no-load rpm           | 590 - 970 - 1,610 min <sup>-1</sup>               |
|                        | Rated load rpm              | 390 - 640 - 1,070 min <sup>-1</sup>               |
|                        | Load micro-percussions      | 9,360 - 15,360 - 25,680 min <sup>-1</sup>         |
|                        | Core bit connection         | 1" 1/4 UNC  |
|                        | PRCD / GFI                  | Included  |
|                        | Weight                      | 36.2 lb   |
| Dimensions - L x W x H | 25" 1/4 x 6" 1/4 x 6" 1/2   |   |
| Supplied in            | Carton box                  |   |

|           |                     |              |
|-----------|---------------------|--------------|
| Diameters | On stand            |              |
|           | Masonry, bricks     | 1" 1/4 - 10" |
|           | Reinforced concrete | 1" 1/4 - 10" |

Applications | Installations (fences, guardrails), building consolidations, any round opening

Professions | Construction co., professional drilling and cutting co., demolition expert

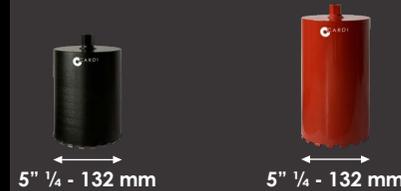
## DPH 3500 SE-K and CARDI HS 300-K

Advanced hybrid – wet / dry core drilling kits

### DPH 3500 SE-K



DPH 3500 SE  
adv. hybrid – wet / dry  
core drill motor



DPT 132  
adv. dry  
core bit

CDU 132  
adv. wet  
core bit



505355  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI HS 300-K



DPH 3500 SE  
adv. hybrid – wet / dry  
core drill motor

CDP 520  
anti-vibration  
core drill stand (rig)



DPT 102  
adv. dry  
core bit

DPT 132  
adv. dry  
core bit

CDU 132  
adv. wet  
core bit



505355  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit

**Optional**

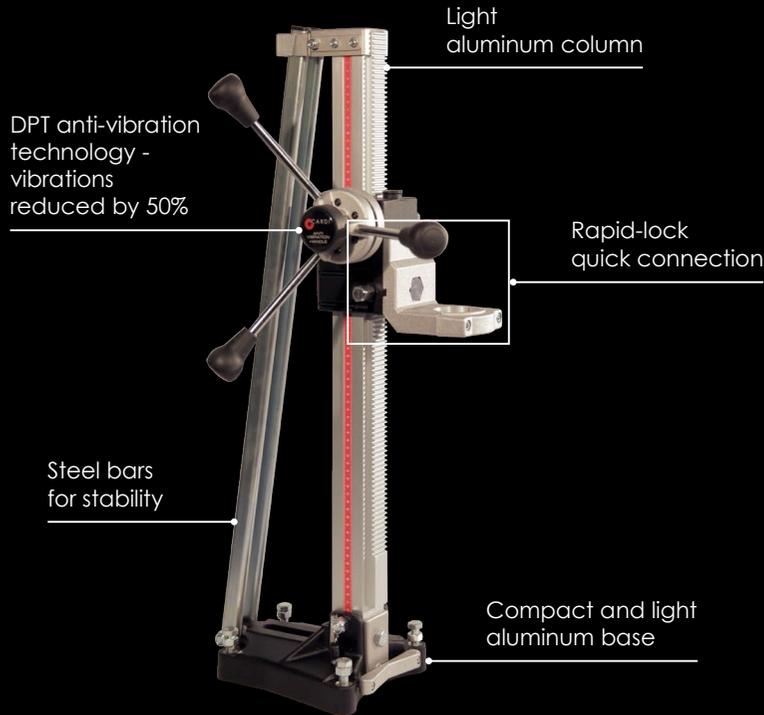
DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

**Optional**

DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

## LDP 200

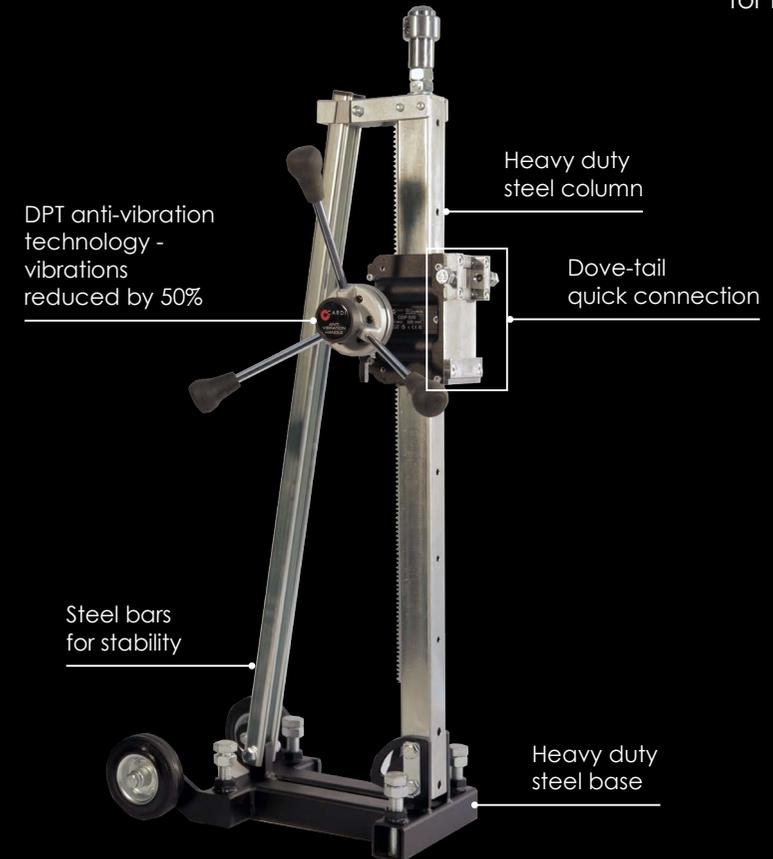
Core drill stand (rig) with DPT anti-vibration technology for DPH 2200 ME-16, DP 2200 MA-16 and DPH 3000 ME-17



|                    |                        |   |
|--------------------|------------------------|---|
| Technical features | Base                   | Aluminum - compact and light  |
|                    | Column                 | Aluminum - 50 x 50 mm (ca. 2 x 2")                                      |
|                    | Carriage               | Self-lubricating sliding pads   |
|                    | Feeding handle         | DPT anti-vibration technology   |
|                    | Max carriage run       | 22" <sup>3</sup> / <sub>4</sub>   |
|                    | Max drilling diameter  | 8"  |
|                    | Rear bars              | Steel - 2 bars  |
|                    | Tilting angle          | 0° - 45°  |
|                    | Fixing system          | Anchoring   |
|                    | Core drill mounting    | Rapid-lock quick connection   |
|                    | Weight                 | 29.3 lb   |
|                    | Dimensions - L x W x H | 17" <sup>1</sup> / <sub>4</sub> x 13" x 39" <sup>1</sup> / <sub>2</sub> |

## CDP 520

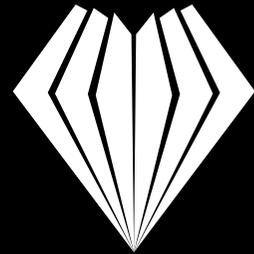
Core drill stand (rig) with DPT anti-vibration technology for DPH 3500 SE



|                    |                        |   |
|--------------------|------------------------|---|
| Technical features | Base                   | Steel - heavy duty  |
|                    | Column                 | Steel - 50 x 50 mm (ca. 2 x 2")   |
|                    | Carriage               | Steel rollers and bearings  |
|                    | Feeding handle         | DPT anti-vibration technology   |
|                    | Max carriage run       | 25" <sup>1</sup> / <sub>2</sub>   |
|                    | Max drilling diameter  | 20"   |
|                    | Rear bars              | Steel - 2 bars  |
|                    | Tilting angle          | 0° - 45°  |
|                    | Fixing system          | Anchoring   |
|                    | Core drill mounting    | Dove-tail quick connection  |
|                    | Weight                 | 56.0 lb   |
|                    | Dimensions - L x W x H | 21" x 16" <sup>1</sup> / <sub>2</sub> x 44" <sup>1</sup> / <sub>2</sub> |

## DIAMOND PULSE-TECH

CARDI's revolutionary technology:  
get unmatched performances in dry and wet drilling

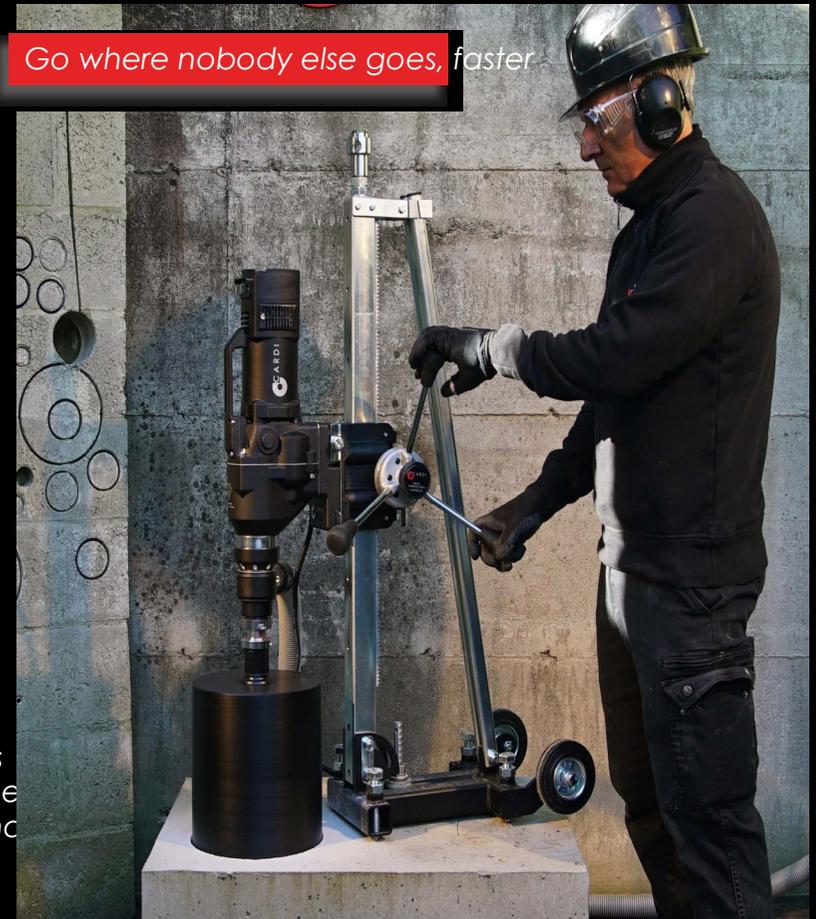


DIAMOND  
PULSE-TECH

**Advanced hybrid drilling technology  
with micro-percussion**

*A revolutionary technology, featuring tens of thousands  
of micro-percussions per minute, enabling for the first time  
advanced dry and wet drilling with an unmatched performance*

*Go where nobody else goes, faster*



## A unique and revolutionary technology

DIAMOND PULSE-TECH features breakthrough innovations, developed from scratch, across the entire drilling system

## The system

All components of the DIAMOND PULSE-TECH work in synergy to enable advanced hybrid

### • DPT anti-vibration technology

- reduces vibrations by 50%
- provides increased safety for the user and allows longer working hours



### • DPT technology with micro-percussion

- features a super-fast soft hammering effect – 9-26k hits/min on load
- enables 2 advanced drilling options with unparalleled performance:
  - advanced dry drilling
  - advanced wet drilling

### • Innovative state-of-the-art core bits, specifically studied for the DPT

- are specifically studied to ensure resistance to elevated temperatures and micro-percussion impacts
- ensures faster drilling times on all materials

### 1 • Advanced hybrid core drill with micro-percussion

- allows to choose between 2 advanced drilling options:
  - advanced dry drilling: for a clean and faster drilling, in environment
  - advanced wet drilling: for a faster drilling
- features the innovative DPT micro-percussion technology developed by CARDI, which provides a super-fast soft hammering effect – 9-26k hits/min on load – and main segment sharpened, clear from dust and debris, in all materials and conditions
- is equipped with the reliable, robust and powerful CARDI motors, delivering max power / current up to 3,350 W / respectively



### 2 • Core drill stand (rig) with anti-vibration technology

- features a new technology, developed by CARDI, that reduces vibrations by 50%, providing increased safety for the user and allowing longer working hours
- delivers a stable and efficient drilling performance, thanks to the reinforced structural design and materials used in the CARDI stands (rigs), while maintaining a compact size for easy transportability



### 3 • Advanced dry and wet core bits

- feature segments that ensure faster drilling times on all materials, including the toughest reinforced concretes
- have segments laser-welded on a high-quality steel base to ensure resistance to elevated temperatures and micro-percussion impacts



- **Industrial dust extractor** - for any dry drilling, cutting, sawing
  - ensures an efficient removal of dust and debris and provides cooling to the core bit, thanks to the double powerful fans
  - guarantees the safety for the user, thanks to the double sizeable H/HEPA + M -class filters



## The advanced hybrid drilling options

DIAMOND PULSE TECH is the only technology that let you choose between advanced dry and advanced wet drilling



### Advanced dry



DPT technology with micro-percussion



Air



Advanced dry core bit

### Advanced wet



DPT technology with micro-percussion



Water



Advanced wet core bit

- Use one single core drill
- Get multiple advanced drilling options
- Obtain unparalleled performance

## The advantages of advanced dry and wet

DIAMOND PULSE-TECH takes core drilling to new levels and delivers an unmatched drilling performance

### Advantages of the advanced dry



Work cleanly

- **Drill cleanly**, keep your site spotless: no water / slurry
- **Do not worry about water connection**
- **Work in every environment:** e.g., finished interiors, historical buildings, cold sites, working sites with no water connection



Work faster

- **Avoid site set-up**
  - No waterproof drilling area
  - No water connection, no water hose running
- **Drill faster**
  - Higher drilling speed, on all materials, vs. standard wet drilling
- **Avoid site clean-up**
  - No need to clean up slurry
  - No time wasted on slurry disposal

**Reduce working time by >40%: great savings and more jobs done**



Reduce waste

- **Get less waste**
  - Get drilling dust; no water / slurry
- **Get a simpler, useful waste**
  - Get dust, reusable to make concrete
  - Avoid slurry and its disposal



Avoid damages

- **Avoid risk and costs** of property damages due to water leakages

### Advantages of the advanced wet

Work faster

- **Higher drilling speed**, on all materials, vs. standard wet drilling

**Reduce drilling time by >40%: great savings and more jobs done**

Work as usual

- **Keep on working with water** when / if you prefer, as you are used to, while getting an unmatched drilling performance

- **Drill cleanly: drill everywhere and better**
- **Drill faster: save time and money**
- **Take on more jobs: grow your business**

## DPH 2200 ME-16

Advanced hybrid – wet / dry core drill



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | Hand-held or on stand (rig)                       |
|                        | Drilling mode               | Advanced hybrid - wet / dry                       |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,050 (max 2,450) W                               |
|                        | Input current - rated (max) | 9.0 (max 22.0) A                                  |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 1   |
|                        | Rated no-load rpm           | 1,270 min   |
|                        | Rated load rpm              | 940 min   |
|                        | Load micro-percussions      | 22,560 min  |
|                        | Core bit connection         | 1" 1/4 UNC  |
|                        | PRCD / GFI                  | Included  |
|                        | Weight                      | 17.4 lb   |
| Dimensions - L x W x H | 22" 1/2 x 4" x 6" 3/4       |   |
| Supplied in            | Heavy duty plastic case     |   |

|           |                      |             |             |
|-----------|----------------------|-------------|-------------|
| Diameters | Hand-held / on stand |             |             |
|           | Masonry, bricks      | 1" 1/4 - 8" | 1" 1/4 - 8" |
|           | Reinforced concrete  | 1" 1/4 - 4" | 1" 1/4 - 6" |

Applications (HVAC, networks, anchors, chimneys, fences), any round opening

Professionals Plumber, electrician, installer, stonemason, landscaper, construction co.

## DPH 2200 ME-16-K and CARDI HS

Advanced hybrid – wet / dry core drill

### DPH 2200 ME-16-K



DPH 2200 ME-16  
adv. hybrid –  
wet / dry core drill



3" 1/4 - 82 mm  
DPT 082  
adv. dry  
core bit



3" 1/4 - 82 mm  
CDU 082  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI HS 200-K



DPH 2200 ME-16  
adv. hybrid –  
wet / dry core drill



LDP 200  
anti-vibration  
core drill stand (rig)



3" 1/4 - 82 mm  
DPT 082  
adv. dry  
core bit



3" 1/4 - 82 mm  
CDU 082  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

Optional

## DP 2200 MA-16

Advanced dry core drill

Advanced dry only



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | Hand-held or on stand (rig)                       |
|                        | Drilling mode               | Advanced dry                                      |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,050 (max 2,450) W                               |
|                        | Input current - rated (max) | 9.0 (max 22.0) A                                  |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 1   |
|                        | Rated no-load rpm           | 1,270 min   |
|                        | Rated load rpm              | 940 min   |
|                        | Load micro-percussions      | 22,560 min  |
|                        | Core bit connection         | 1" 1/4 UNC  |
|                        | PRCD / GFI                  | Not necessary - no water                          |
| Weight                 | 17.2 lb                     |   |
| Dimensions - L x W x H | 22" 1/2 x 4" x 6" 3/4       |   |
| Supplied in            | Heavy duty plastic case     |   |

|           |                      |             |             |
|-----------|----------------------|-------------|-------------|
| Diameters | Hand-held / on stand |             |             |
|           | Masonry, bricks      | 1" 1/4 - 8" | 1" 1/4 - 8" |
|           | Reinforced concrete  | 1" 1/4 - 4" | 1" 1/4 - 6" |

Applications: Installations (HVAC, networks, anchors, chimneys, fences), any round opening

Professionals: Plumber, electrician, installer, stonemason, landscaper, construction co.

## DP 2200 MA-16-K and CARDI DS

Advanced dry core drilling

### DP 2200 MA-16-K



DP 2200 MA-16  
adv. dry core drill



DPT 082  
adv. dry  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI DS 200-K



DP 2200 MA-16  
adv. dry core drill



LDP 200  
anti-vibration  
core drill stand (rig)



DPT 052  
adv. dry  
core bit



DPT 082  
adv. dry  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

## DPH 3000 ME-17

Advanced hybrid – wet / dry core drill



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | Hand-held or on stand (rig)                       |
|                        | Drilling mode               | Advanced hybrid - wet / dry                       |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,300 (max 2,850) W                               |
|                        | Input current - rated (max) | 10.0 (max 25.0) A                                 |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 1   |
|                        | Rated no-load rpm           | 1,170 min   |
|                        | Rated load rpm              | 870 min   |
|                        | Load micro-percussions      | 20,880 min  |
|                        | Core bit connection         | 1" ¼ UNC  |
|                        | PRCD / GFI                  | Included  |
|                        | Weight                      | 18.5 lb   |
| Dimensions - L x W x H | 21" ¾ x 4" ½ x 7"           |   |
| Supplied in            | Heavy duty plastic case     |   |

|           |                      |           |            |
|-----------|----------------------|-----------|------------|
| Diameters | Hand-held / on stand |           |            |
|           | Masonry, bricks      | 1" ¼ - 8" | 1" ¼ - 10" |
|           | Reinforced concrete  | 1" ¼ - 4" | 1" ¼ - 8"  |

Applications (HVAC, networks, anchors, chimneys, fences), any round opening

Professionals Plumber, electrician, installer, stonemason, landscaper, construction co.

## DPH 3000 ME-17-K and CARDI HS

Advanced hybrid – wet / dry core drill

### DPH 3000 ME-17-K



DPH 3000 ME-17  
adv. hybrid –  
wet / dry core drill



4" - 102 mm  
DPT 102  
adv. dry  
core bit



4" - 102 mm  
CDU 102  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI HS 250-K



DPH 3000 ME-17  
adv. hybrid –  
wet / dry core drill



LDP 200  
anti-vibration  
core drill stand (rig)



4" - 102 mm  
DPT 102  
adv. dry  
core bit



4" - 102 mm  
CDU 102  
adv. wet  
core bit



506102  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor



DPT H COMPACT  
H / HEPA + M compact  
ind. dust extractor

## DPH 3500 SE

Advanced hybrid – wet / dry core drill motor



|                        |                             |   |
|------------------------|-----------------------------|---|
| Technical features     | Operational mode            | On stand (rig)                                    |
|                        | Drilling mode               | Advanced hybrid - wet / dry                       |
|                        | Technology                  | DIAMOND PULSE-TECH with micro-percussion          |
|                        | Input power - rated (max)   | 2,820 (max 3,350) W                               |
|                        | Input current - rated (max) | 13.0 (max 31.0) A                                 |
|                        | Materials                   | Reinf. concrete, stones, asphalt, masonry, bricks |
|                        | Gears                       | 3   |
|                        | Rated no-load rpm           | 590 - 970 - 1,610 min                             |
|                        | Rated load rpm              | 390 - 640 - 1,070 min                             |
|                        | Load micro-percussions      | 9,360 - 15,360 - 25,680 min                       |
|                        | Core bit connection         | 1" 1/4 UNC  |
|                        | PRCD / GFI                  | Included  |
|                        | Weight                      | 36.2 lb   |
| Dimensions - L x W x H | 25" 1/4 x 6" 1/4 x 6" 1/2   |   |
| Supplied in            | Carton box                  |   |

|           |                     |              |
|-----------|---------------------|--------------|
| Diameters | On stand            |              |
|           | Masonry, bricks     | 1" 1/4 - 10" |
|           | Reinforced concrete | 1" 1/4 - 10" |

Applications installations (fences, guardrails), building consolidations, any round opening

Professionals Construction co., professional drilling and cutting co., demolition expert

## DPH 3500 SE-K and CARDI HS 300-K

Advanced hybrid – wet / dry core drill

### DPH 3500 SE-K



DPH 3500 SE  
adv. hybrid – wet / dry  
core drill motor



5" 1/4 - 132 mm

DPT 132  
adv. dry  
core bit



5" 1/4 - 132 mm

CDU 132  
adv. wet  
core bit



505355  
CARDIFACILE  
device for quick  
core-bit unscrewing

### CARDI HS 300-K



DPH 3500 SE  
adv. hybrid – wet / dry  
core drill motor



CDP 520  
dry-vibration  
core drill stand (rig)



4" - 102 mm

DPT 102  
adv. dry  
core bit



5" 1/4 - 132 mm

DPT 132  
adv. dry  
core bit



5" 1/4 - 132 mm

CDU 132  
adv. wet  
core bit



505355  
CARDIFACILE  
device for quick  
core-bit unscrewing



506250  
Anchoring  
fixing bolt kit



DPT H COMPACT  
H7 HEPA + M compact  
ind. dust extractor



DPT H COMPACT  
H7 HEPA + M compact  
ind. dust extractor

## LDP 200

Core drill stand (rig) with DPT anti-vibration technology for DPH 2200 ME-16, DP 2200 MA-16 and DPH 3000 ME-17



|                    |                        |   |
|--------------------|------------------------|---|
| Technical features | Base                   | Aluminum - compact and light  |
|                    | Column                 | Aluminum - 50 x 50 mm (ca. 2 x 2")                                      |
|                    | Carriage               | Self-lubricating sliding pads   |
|                    | Feeding handle         | DPT anti-vibration technology   |
|                    | Max carriage run       | 22" <sup>3</sup> / <sub>4</sub>   |
|                    | Max drilling diameter  | 8"  |
|                    | Rear bars              | Steel - 2 bars  |
|                    | Tilting angle          | 0° - 45°  |
|                    | Fixing system          | Anchoring   |
|                    | Core drill mounting    | Rapid-lock quick connection   |
|                    | Weight                 | 29.3 lb   |
|                    | Dimensions - L x W x H | 17" <sup>1</sup> / <sub>4</sub> x 13" x 39" <sup>1</sup> / <sub>2</sub> |

## CDP 520

Core drill stand (rig) with DPT anti-vibration technology for DPH 3500 SE



|                    |                        |   |
|--------------------|------------------------|---|
| Technical features | Base                   | Steel - heavy duty  |
|                    | Column                 | Steel - 50 x 50 mm (ca. 2 x 2")   |
|                    | Carriage               | Steel rollers and bearings  |
|                    | Feeding handle         | DPT anti-vibration technology   |
|                    | Max carriage run       | 25" <sup>1</sup> / <sub>2</sub>   |
|                    | Max drilling diameter  | 20"   |
|                    | Rear bars              | Steel - 2 bars  |
|                    | Tilting angle          | 0° - 45°  |
|                    | Fixing system          | Anchoring   |
|                    | Core drill mounting    | Dove-tail quick connection  |
|                    | Weight                 | 56.0 lb   |
|                    | Dimensions - L x W x H | 21" x 16" <sup>1</sup> / <sub>2</sub> x 44" <sup>1</sup> / <sub>2</sub> |