

Diamond Coring

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Diamond coring tools

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Diamond coring tool DD EC-1



Applications

- Drilling precise anchor and through holes in diameters from 8 to 35 mm
- Low-noise solution for setting anchors (renovation work in hospitals, commercial and residential buildings)

Advantages

- Productive: TopSpin provides faster drilling with minimum effort
- Versatile: Drills through various types of steel reinforced concrete, marble, etc.
- Impact-free drilling: less risk of damage to the material (marble, tiles, masonry, natural stone)
- Automated electronic water management: the pump and extraction functions are activated / deactivated automatically by the drilling machine control switch



| Technical data | |
|---------------------------|--|
| Rated input | 1450 W |
| Number of gears | 1 |
| Rotation speed | gear 1: 9200 rpm; |
| Drilling range | hand-held wet: 8-35 mm, Rig-based wet: 8-35 mm |
| Chuck type | DD-C |
| Max. drilling depth | 600 mm |
| Weight of complete system | 8 kg |
| Dimensions (LxWxH) | 423 x 108 x 195 mm |



| Ordering designation | Package contents | Sales pack quantity | Item number |
|----------------------|--|---------------------|-------------|
| DD EC-1 230V GB | 1x Diamond coring tool DD EC-1 (230V), 1x Case | 1 | 336742 |

Diamond coring tool DD 120



Applications

- Setting large-diameter anchors and reinforcing bars
- Installing railings and barriers

Advantages

- Compact, lightweight unit for extremely easy handling
- The power control LED helps new users to achieve the optimum rate of drilling progress and maximum core bit life
- Easy to transport and set up
- Two-speed gearing for optimum speed and torque
- Bi+ quick-release chuck system allows keyless exchange of core bits

Technical data

| | |
|----------------------------------|------------------------------------|
| Rated input | 1600 W |
| Number of gears | 2 |
| Rotation speed | gear 1: 650 rpm; gear 2: 1380 rpm; |
| Optimum drilling range | Rig-based wet: 37-102 mm |
| Chuck type | Bi+ |
| Weight of complete system | 11 kg |
| Dimensions (LxWxH) | 327 x 147 x 330 mm |



Diamond Coring

| Ordering designation | Package contents | Sales pack quantity | Item number |
|------------------------|--|---------------------|-------------|
| DD120 (230V) Bi+ Combo | 1x Diamond coring tool DD 120 (230V), 1x Clamping nut DD-LR-CLN, 1x Jack screw DD-LR-CLS, 50 x Hilti HKD M12x50, 1x Setting tool HSD-G M12, 1x Drill bit TE-CX 15/27 | 1 | 3530065 |

Diamond coring tool DD 160



Applications

- Rig-based wet drilling in concrete for pipe penetrations in plumbing, heating and air conditioning installations
- Stitch drilling for cable trays and ventilation ducts
- Drilling blind holes for large-diameter anchors, reinforcing bars and the installation of railings and barriers

Advantages

- Sturdy three-speed gearing for outstanding coring performance across the entire diameter range
- The power control LED helps new users to achieve the optimum rate of drilling progress and maximum core bit life
- Less downtime: the service indicator reminds users in good time when servicing is due
- Clear and concise range of accessories for added versatility
- BI+ quick-release chuck system for keyless exchange of core bits



2013



reddot design award winner 2013

| Technical data | |
|---------------------------|---|
| Rated input | 2200 W |
| Number of gears | 3 |
| Rotation speed | gear 1: 420 rpm; gear 2: 700 rpm; gear 3: 1570 rpm; |
| Optimum drilling range | Rig-based wet: 52-152 mm |
| Chuck type | BI+ |
| Weight of complete system | 16 kg |
| Dimensions (LxWxH) | 450 |



| Ordering designation | Package contents | Sales pack quantity | Item number |
|------------------------|--|---------------------|-------------|
| DD160 (230V) BI+ Combo | 1x Diamond coring tool DD 160 (230V), 1x Drill stand DD ST 160 SFL, 1x Clamping nut DD-LR-CLN, 1x Jack screw DD-LR-CLS, 50 x Hilti HKD M12x50, 1x Setting tool HSD-G M12, 1x Drill bit TE-CX 15/27 | 1 | 3530066 |

Diamond coring tool DD 200



Applications

- Coring holes for service entries
- Stitch drilling for breaches
- Making penetrations for ducts, pipes and cables
- Openings for ventilation

Advantages

- Powerful motor
- The power control LED helps new users to achieve the optimum rate of drilling progress and maximum core bit life
- The service indicator warns when servicing is due, reducing down time and helping to avoid costly repairs
- Easy to handle, easy to understand and easy to operate
- BL quick-release chuck system for keyless exchange of core bits



Technical data















| | |
|----------------------------------|--|
| Rated input | 2600 W |
| Rotation speed | gear 1: 265 rpm gear 2: 550 rpm gear 3: 1120 rpm |
| Optimum drilling range | Rig-based wet: 52-250 mm |
| Chuck type | BL |
| Weight of complete system | 34 kg |
| Dimensions (LxWxH) | 630 x 150 x 173 mm |
















Diamond Coring

| Ordering designation | Package contents | Sales pack quantity | Item number |
|------------------------------|--|---------------------|----------------|
| DD200 (230V) BL Combo | 1x Diamond coring tool DD 200 (230V), 1x Drilling stand DD-HD 30, 1x Clamping spindle DD-CS M16, 1x Quick locking nut DD-CN-SML, 1x Wheels DD-HD30-W (set of 2), 25x Drop in anchor HKD-S M16x65, 1x Setting tool HSD-G M16x65, 1x Drill bit TE-CX 20/22 | 1 | 3490436 |

Accessories for Diamond drilling tools

| Ordering designation | | DD EC-1 | DD 120 | DD 160 | DD 200 | Sales pack quantity | Item number |
|---|--|---------|--------|--------|--------|---------------------|-------------|
| Adapter BI+ to BR/BS |  | | ■ | ■ | | 1 | 373419 |
| Adapter BL to BS/BR |  | | | | ■ | 1 | 305910 |
| Adapter BL to BU |  | | | | ■ | 1 | 282989 |
| Adapter BR to BI+ |  | | | | | 1 | 374230 |
| Adapter BS to BI+ | | | | | | 1 | 373422 |
| Adapter BS to BL |  | | | | | 1 | 284891 |
| Adapter BU to BL |  | | | | | 1 | 305909 |
| Chuck DD-CH A-Rod | | | ■ | ■ | | 1 | 2008131 |
| Chuck DD-CS A-Rod | | | | | ■ | 1 | 305906 |
| Jack screw DD-LR-CLS |  | | ■ | ■ | | 1 | 333629 |
| Clamping spindle DD-CS M16 |  | | | | ■ | 1 | 337378 |
| Clamping nut DD-LR-CLN |  | | ■ | ■ | | 1 | 333477 |
| Core Bit Extension DD-BI+ (minimum diameter 56mm) |  | | ■ | ■ | | 1 | 220929 |
| Core Bit Extension DD-BL (minimum diameter 62mm) |  | | | | ■ | 1 | 305903 |
| DD-EC 1 Cover cap for overhead coring |  | ■ | | | | 1 | 372800 |
| Drilling stand DD-CR1 |  | ■ | | | | 1 | 376281 |
| Drilling stand DD-HD 30 |  | | | | ■ | 1 | 305534 |

Accessories for Diamond drilling tools

| Ordering designation | | DD EC-1 | DD 120 | DD 160 | DD 200 | Sales pack quantity | Item number |
|---|--|---------|--------|--------|--------|---------------------|-------------|
| Drilling stand DD-ST 160 SFL |  | | | ■ | | 1 | 435664 |
| Guide rail extension DD-HD30-XT (1 meter) | | | | | ■ | 1 | 305537 |
| Quick-locking nut DD-CN-SML |  | | | | ■ | 1 | 251834 |
| Sharpening plate |  | ■ | ■ | ■ | ■ | 1 | 51343 |
| Set of wheels DD-HD30-W |  | | | | ■ | 1 | 305541 |
| Soft seal for overhead coring |  | ■ | | | | 1 | 278692 |
| Spacer DD-HD30-SP |  | | | | ■ | 1 | 305539 |
| Vacuum baseplate DD-HD30-VBP |  | | | | ■ | 1 | 305538 |
| Vacuum baseplate DD-ST-VBP 120/160 |  | | ■ | ■ | | 1 | 2027859 |
| Vacuum pump DD VP-U 230V |  | | ■ | ■ | | 1 | 408458 |
| Water dam assy |  | ■ | | | | 1 | 370239 |
| Water recycling unit DD REC-1 240V |  | ■ | | | | 1 | 336751 |
| Water supply unit DWP 10 |  | | ■ | ■ | ■ | 1 | 365595 |
| Vacuum pump DD VPX |  | | | | ■ | 1 | 332158 |

Connection end DD



| Ordering designation | Connection end | Sales pack quantity | Item number |
|---|----------------|---------------------|-------------|
| Connection end BI+ for DD120, DD130 & DD160 | BI+ | 1 | 236120 |
| Connection end BL for DD200 & DD350 | BL | 1 | 305542 |
| Connection end BR | BR | 1 | 236121 |
| Connection end BS | BS | 12 | 286794 |
| Connection end BU for DD160E & DD250E | BU | 1 | 236122 |
| Connection end A-Rod | A-Rod | 1 | 374814 |
| Connection end C-Rod | C-Rod | 1 | 374815 |

Diamond core bit DD-C T4



Applications

- Drilling accurate 8-35 mm diameter anchor and through holes

Advantages

- Easy core removal through the rear end of the core bit

Technical data

| | |
|-----------------------|--------------------|
| Base materials | Concrete, abrasive |
| Laser-welded segments | Yes |
| Wet or dry operation | Wet |
| Change module | No |

| Ordering designation | Nominal diameter | Working length | Segment height | Connection end | Sales pack quantity | Item number |
|----------------------|------------------|----------------|----------------|-----------------|---------------------|-------------|
| DD-C 1/2"-6" T4 | 12.7 mm | 150 mm | 11 mm | DD-C connection | 1 | 336854 |
| DD-C 12/150 T4 | 12 mm | 150 mm | 11 mm | DD-C connection | 1 | 336889 |
| DD-C 14/150 T4 | 14 mm | 150 mm | 11 mm | DD-C connection | 1 | 336855 |
| DD-C 15/150 T4 | 15 mm | 150 mm | 11 mm | DD-C connection | 1 | 336859 |
| DD-C 16/150 T4 | 16 mm | 150 mm | 11 mm | DD-C connection | 1 | 336861 |
| DD-C 16/300 T4 | 16 mm | 300 mm | 11 mm | DD-C connection | 1 | 336862 |
| DD-C 18/150 T4 | 18 mm | 150 mm | 11 mm | DD-C connection | 1 | 336863 |
| DD-C 18/300 T4 | 18 mm | 300 mm | 11 mm | DD-C connection | 1 | 336864 |
| DD-C 20/150 T4 | 20 mm | 150 mm | 11 mm | DD-C connection | 1 | 336869 |
| DD-C 20/300 T4 | 20 mm | 300 mm | 11 mm | DD-C connection | 1 | 336870 |
| DD-C 22/300 T4 | 22 mm | 300 mm | 11 mm | DD-C connection | 1 | 336873 |
| DD-C 24/300 T4 | 24 mm | 300 mm | 11 mm | DD-C connection | 1 | 336875 |
| DD-C 25/300 T4 | 25 mm | 300 mm | 11 mm | DD-C connection | 1 | 336876 |
| DD-C 28/300 T4 | 28 mm | 300 mm | 11 mm | DD-C connection | 1 | 336878 |
| DD-C 30/300 T4 | 30 mm | 300 mm | 11 mm | DD-C connection | 1 | 336880 |
| DD-C 32/300 T4 | 32 mm | 300 mm | 11 mm | DD-C connection | 1 | 336881 |
| DD-C 35/300 T4 | 35 mm | 300 mm | 11 mm | DD-C connection | 1 | 336884 |

Diamond core bit DD-B UCL (with/without connection end)



Applications

- Coring in the 12-300 mm diameter range in reinforced concrete

Advantages

- 12mm segment height and harder matrix
- CD welding (Capacitor discharge technology), higher break out value vs brazing

Technical data

| | |
|------------------------------|--------------------|
| Base materials | Concrete, abrasive |
| Laser-welded segments | No |
| Wet or dry operation | Wet |

| Ordering designation | Nominal diameter | Working length | Segment height | Sales pack quantity | Item number |
|----------------------|------------------|----------------|----------------|---------------------|-------------|
| DD-BI+ 12/320 UCL | 12 mm | 320 mm | 8 mm | 1 | 2080053 |
| DD-BI+ 14/320 UCL | 14 mm | 320 mm | 8 mm | 1 | 2080054 |
| DD-BI+ 16/320 UCL | 16 mm | 320 mm | 8 mm | 1 | 2080055 |
| DD-BI+ 18/320 UCL | 18 mm | 320 mm | 8 mm | 1 | 2080056 |
| DD-BI+ 20/320 UCL | 20 mm | 320 mm | 8 mm | 1 | 2080057 |
| DD-BI+ 24/320 UCL | 24 mm | 320 mm | 8 mm | 1 | 2080059 |
| DD-BI+ 28/320 UCL | 28 mm | 320 mm | 8 mm | 1 | 2080131 |
| DD-BI+ 30/320 UCL | 30 mm | 320 mm | 8 mm | 1 | 2080132 |
| DD-BI+ 32/320 UCL | 32 mm | 320 mm | 8 mm | 1 | 2080133 |
| DD-B 35/430 UCL | 35 mm | 430 mm | 12 mm | 1 | 2078086 |
| DD-B 37/430 UCL | 37 mm | 430 mm | 12 mm | 1 | 2078087 |
| DD-B 42/430 UCL | 42 mm | 430 mm | 12 mm | 1 | 2078088 |
| DD-B 52/430+ UCL | 52 mm | 430 mm | 12 mm | 1 | 2077744 |
| DD-B 62/430+ UCL | 62 mm | 430 mm | 12 mm | 1 | 2077745 |
| DD-B 77/430+ UCL | 77 mm | 430 mm | 12 mm | 1 | 2077747 |
| DD-B 82/430+ UCL | 82 mm | 430 mm | 12 mm | 1 | 2077748 |
| DD-B 102/430+ UCL | 102 mm | 430 mm | 12 mm | 1 | 2078060 |
| DD-B 127/430+ UCL | 127 mm | 430 mm | 12 mm | 1 | 2078064 |
| DD-B 152/430+ UCL | 152 mm | 430 mm | 12 mm | 1 | 2078066 |
| DD-B 202/430+ UCL | 202 mm | 430 mm | 12 mm | 1 | 2078069 |
| DD-B 250/430 UCL | 250 mm | 430 mm | 12 mm | 1 | 2078091 |
| DD-B 300/430 UCL | 300 mm | 430 mm | 12 mm | 1 | 2078092 |

Diamond Coring

Diamond core bit DD-B H2S (without connection end)



Applications

- Coring in the 350-500 mm diameter range in reinforced concrete

Advantages

- Laser-welded segments

Technical data

| | |
|------------------------------|--------------------|
| Base materials | Concrete, abrasive |
| Laser-welded segments | Yes |
| Wet or dry operation | Wet |

| Ordering designation | Nominal diameter | Working length | No of segments | Segment height | Segment dimensions | Sales pack quantity | Item number |
|----------------------|------------------|----------------|----------------|----------------|--------------------|---------------------|-------------|
| DD-B 350/450 H2S | 350 mm | 450 mm | 20 mm | 10 mm | 24 x 5 10mm | 1 | 418244 |
| DD-B 400/450 H2S | 400 mm | 450 mm | 22 mm | 10 mm | 24 x 5 10mm | 1 | 418246 |
| DD-B 450/450 H2S | 450 mm | 450 mm | 24 mm | 10 mm | 24 x 5 10mm | 1 | 418248 |
| DD-B 500/450 H2S | 500 mm | 450 mm | 26 mm | 10 mm | 24 x 5 10mm | 1 | 418250 |