

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 Clamping spindle DD 1/2", 50x Hilti HKV 1/2"x 50, 1x Setting tool HSD-G M12, 1x Drill bit TE-CX 16/17	1	3490435

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 Clamping spindle DD 1/2", 50x HKV 1/2"x 50, 1x Setting tool HSD-G M12, 1x Drill bit TE-CX 16/17	1	3489325

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



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

		DD EC-1	DD 120	DD 160	DD 200	Sales pack quantity	Item number
Ordering designation							
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
Clamping spindle DD 1/2"			■	■		1	47632
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