

CONCRETE CORING

B+BTEC introduce a complete new line of drilling systems, anchoring and saws. These machines are entirely designed, manufactured and assembled in our production facilities in the Netherlands and packed with new quality features.

The B+BTEC R&D Division has developed a wide range of Bonds (the metal in which the diamond crystals are sintered) that are engineered for optimal cutting performance and blade life in Concrete, Brick, Masonry and Porotherm Brick & Blocks and are specially designed for today's construction materials that, due to their configuration or size, are difficult or impossible to cut using traditional methods.

www.bbtectools.com

DIAMOND CORE DRILLING SYSTEMS



1. Powerful 2.000W Drill Motor with PULSE™ Electronic Motor Protection
2. 360° Auxiliary Handle
3. Full Range of HiSpeed Diamond Core Bits
4. Optional Dry Drilling Kit allows for Continued Alternating Dry or Wet Drilling
5. Mid- or Back Grip Model. Back Grip best suited for Vertical Holes. Mid Grip Model for Horizontal Holes.
6. LED Motor Overload Protection System
7. Water Levels aid the operator in keeping the machine level
8. 3-Speed Gearing for optimal drilling Performance at any Diameter.
9. Water Valve facing backwards to prevent damage
10. Professional Grade Aluminum Motor Housing

KARAT® 130-BG



Code	Bit Range	Specifications
Karat® 130-BG	Ø8 - 132 mm	Wet & Dry Drilling Motor: 2.000W 3 Speed Gearing

KARAT®130-MG



Code	Bit Range	Specifications
Karat®130-MG	Ø8 - 132 mm	Wet & Dry Drilling Motor: 2.000W 3 Speed Gearing

KARAT®164



Code	Bit Range	Specifications
Karat®164	Ø10 - 164 mm	Wet & Dry Drilling Motor: 2.000W 3 Speed Gearing

KARAT®300



Code	Bit Range	Specifications
Karat®300	Ø25 - 300 mm	Wet & Dry Drilling Motor: 2.400W 3 Speed Gearing

KARAT®MODULES



Code	Specifications
Karat®Modules	Configure your own Karat Core Drilling Machine

CONCRETE CORING HANDHELD DRILL

KARAT® 130-BG

KARAT® 130-BG Professional Diamond Hand Drilling Unit for Wet and Dry* use

- * = Dry drilling kit and Drill stand are optional.
- Powerful 2.000W Motor.
- One machine for Wet or Dry* Coring.
- LED motor-overload Indication.
- PULSE™ Electronic Motor Protection System
- Aluminum Motor Housing
- Digital Read-Out of Machine Load and Operating Hours (optional)
- Aluminum Back Grip
- Can be used on Drill Stand*.
- Weight 7.5 kg.

Supplied with:

- Safety Clutch
- PRCD Switch
- Carrying Case
- Tool Set
- Operating Manual



KARAT® 130-MG

KARAT® 130-MG Professional Diamond Hand Drilling Unit for Wet and Dry* use

- * = Dry drilling kit and Drill stand are optional.
- Powerful 2.000W Motor.
- PULSE™ Electronic Motor Protection System
- One machine for Wet or Dry* Coring.
- LED motor-overload Indication.
- Aluminum Motor Housing
- Digital Read-Out of Machine Load and Operating Hours (optional)
- Mid-Grip
- Can be used on Drill Stand*.
- Weight 7.5 kg.

Supplied with:

- Safety Clutch
- PRCD Switch
- Carrying Case
- Tool Set
- Operating Manual



KARAT® 130

Dry Drilling Kit:

Transform the Karat 130-BG or 130-MG into a Dry Drilling Unit.

Allows for Continued, Alternating Wet and Dry use.

Threading: 1 1/4"

Qty./1 Part Nr.: 2.000.134



Hand Grip:

Additional Coated Aluminum Back Grip. For Karat 130-BG only.

For greater operator comfort and precision when hand drilling vertical holes.

Qty./1 Part Nr.: 2.000.132



Drill Stand: equipped with Dovetail Guide-Way, Slide, Centering Device and Drilling Depth Indication, Quick Snap Reversible Downfeed Spindle (Left - Right).

For Karat 130-BG and 130-MG

Part Nr.: 2.000.131

Vacuum Kit:

For the fastening of the drill stand using a vacuum pump. Incl. vacuum rubber for the drill stand

Qty./1 Part Nr.: 2.164.009

Vacuum Pump: for the fastening of the drill stand.

Requires

the optional Vacuum Kit.

Qty./1 Part Nr.: 2.100.002



QUALITY FEATURES

1. Protective Brackets
2. Powerful Drill Motors with PULSE™ Electronic Motor Protection.
3. Full Range of HiSpeed Diamond Core Bits.
4. Dovetail Guide-Way.
5. Quick Release Slide (Karat 300 only).
6. Water Levels for Easy Machine Set-Up.
7. Reversible Downfeed Spindle.
8. Engraved Drilling Depth Indication.
9. Anchoring Assembly/Centerpen
10. Column Tiltable Angle Drilling up to 45°
11. Transportation Wheels
12. Waterflow Indication
13. Mounting option for Jack Screw
14. LED Overload Protection System
15. 3-Speed Gearing for Optimal Drilling Performance at any Diameter
16. Water Valve
17. Centering Device

KARAT® 164**Karat® 164 Professional Diamond Core Drilling Rig:**

- Powerful 2.000W Motor.
- With Centering Device and Drilling Depth Indication.
- LED Overload Protection System.
- Digital Read-Out of Machine Load and Operating Hours (optional)
- PULSE™ Electronic Motor Protection System
- For Anchor and Conduit holes up to Ø164 mm.
- Weight 22.5 kg.

Supplied with:

- Safety Clutch
- PRCD (GFCI) Switch
- Waterflow Indication
- Dovetail Guide-Way
- Anchoring Assembly/Centerpen
- Tool Set
- Operating Manual

Technical Data:

Motor:	---	3-Speed/230V/50-60Hz/2000W
Bit Range:	[mm]	Ø 10 - 164
Drilling Depth:	[mm]	standard 400
Spindle Threading:		1/2" - 1 1/4"
Column Tiltable:	--	up to 45°
Weight:	[kg]	22.5 kg.
Dimensions (L x W x H):	[mm]	500 x 230 x 770

**KARAT® 300****Karat® 300 Professional Diamond Core Drilling Rig**

- Powerful 2.400W Motor.
- With Centering Device and Drilling Depth Indication.
- LED Overload Protection System.
- Digital Read-Out of Machine Load and Operating Hours (optional)
- PULSE™ Electronic Motor Protection System.
- For Conduit holes up to Ø300 mm.
- Weight 30 kg.

Supplied with:

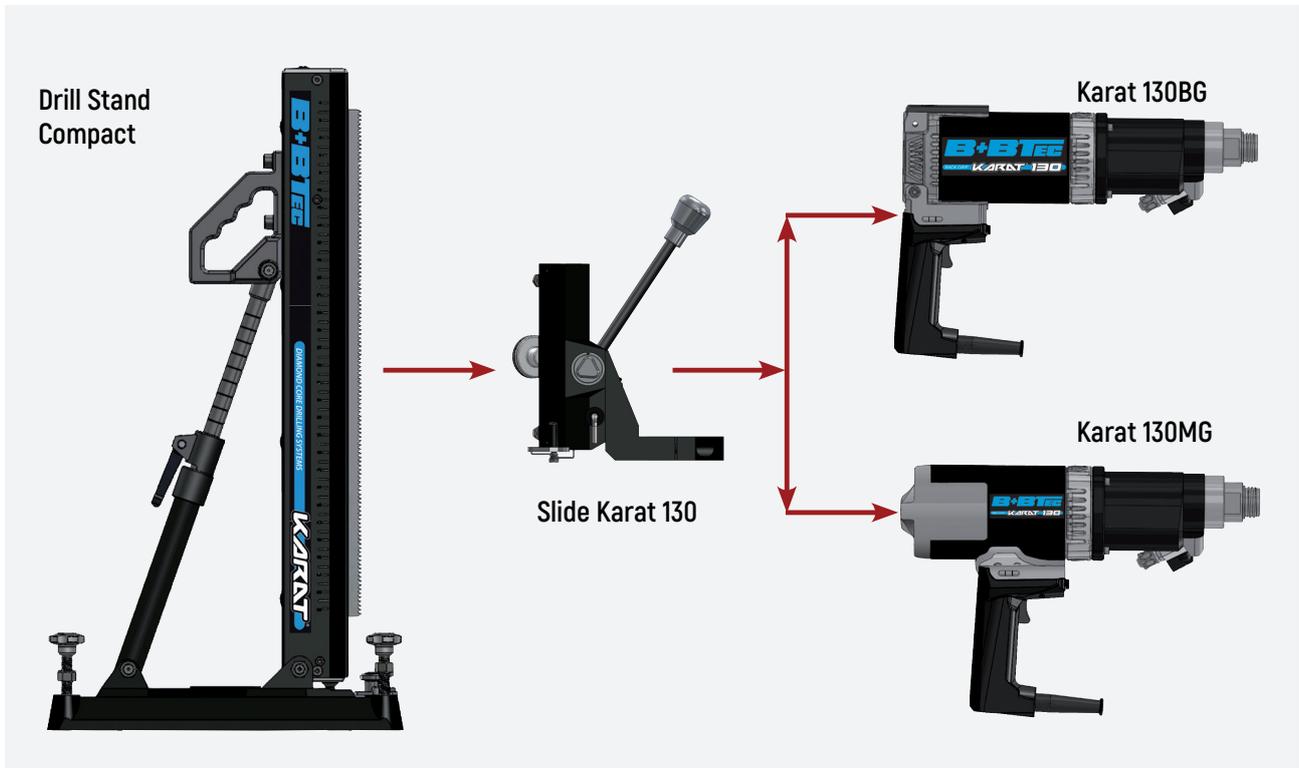
- Safety Clutch
- PRCD (GFCI) Switch
- Waterflow Indication
- Dovetail Guide-Way
- Anchoring Assembly/Centerpen
- Tool Set
- Operating Manual

Technical Data:

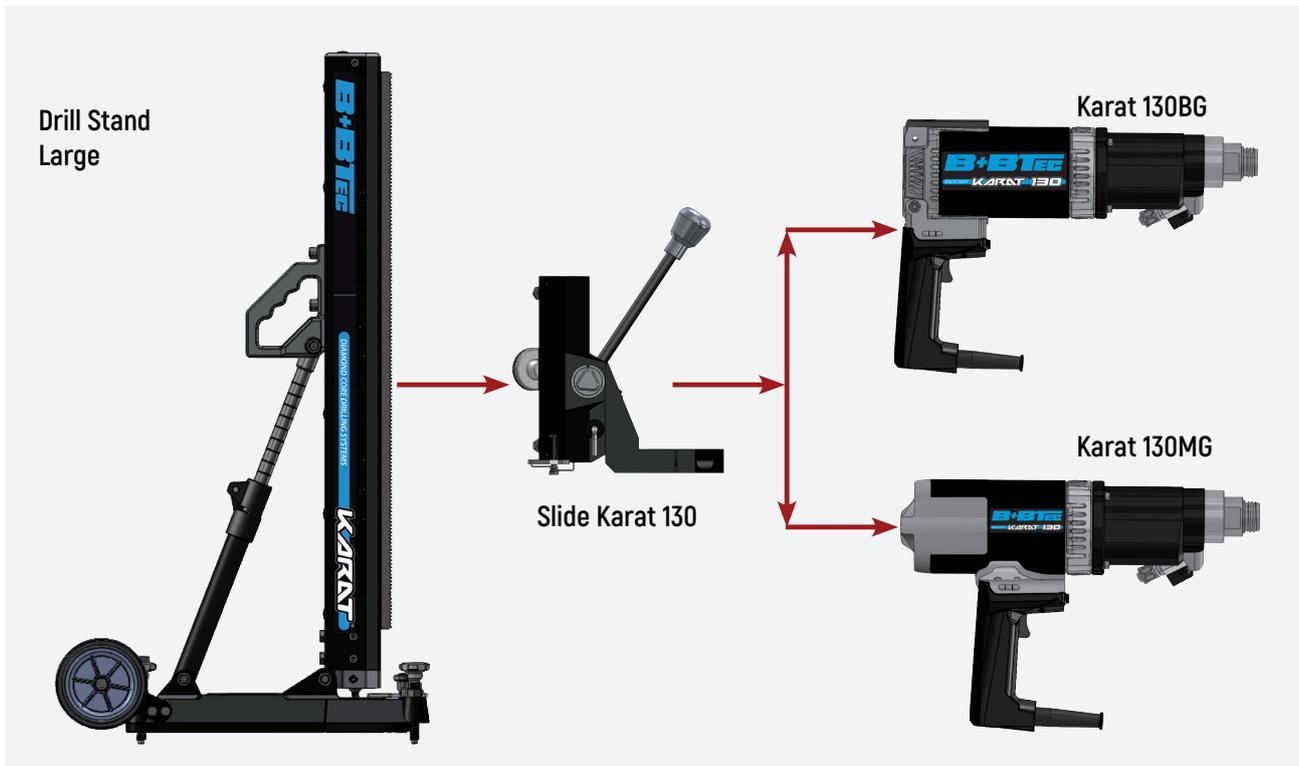
Motor:	3-Speed/230V/50-60Hz/2400W
Bit Range max.:	Ø 25 - 300 mm
Bit Range optimal:	Ø 25 - 250 mm
Drilling Depth:	standard 400 mm
Spindle Threading:	1/2" (adapter) - 1 1/4"
Column Tiltable:	up to 45°
Weight:	30 kg.
Dimensions (L x W x H):	530 x 275 x 775 mm



KARAT 130 + SLIDE + DRILL STAND COMPACT



KARAT 130 + SLIDE + DRILL STAND LARGE

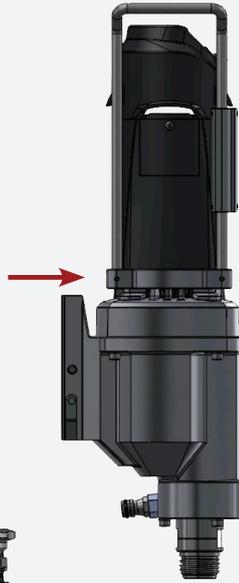


KARAT 164 + DRILL STAND COMPACT

Drill Stand Compact



Karat 164 Incl. Slide

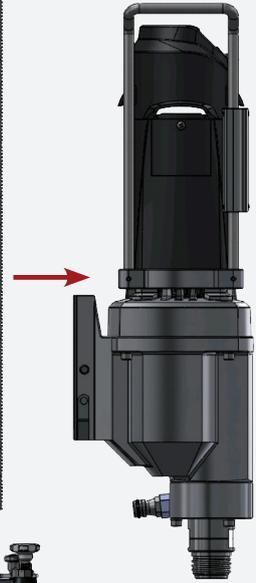


KARAT 164 + DRILL STAND LARGE

Drill Stand Large



Karat 164 Incl. Slide

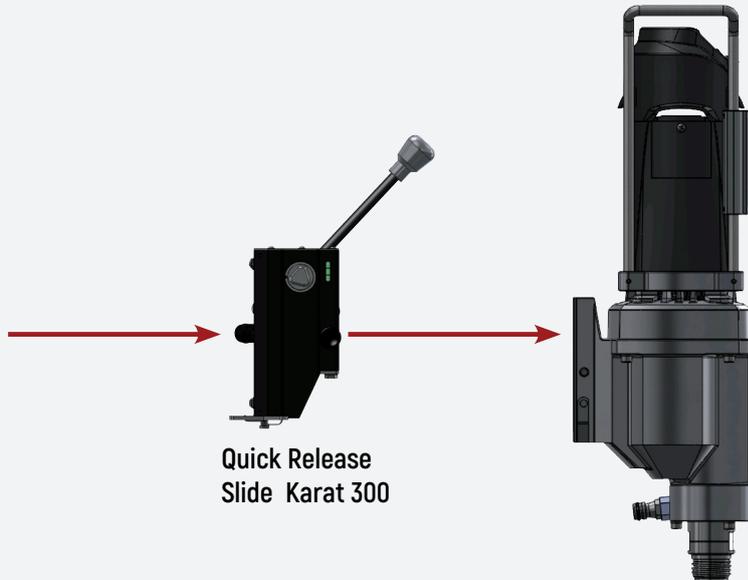


KARAT 300 + QUICK RELEASE SLIDE + DRILL STAND LARGE

Drill Stand Large



Quick Release Slide Karat 300



CONCRETE CORING KARAT MODULES

DRILL MOTORS & SLIDES



A

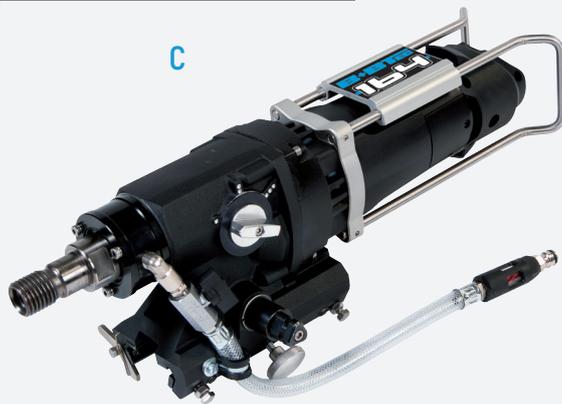


B

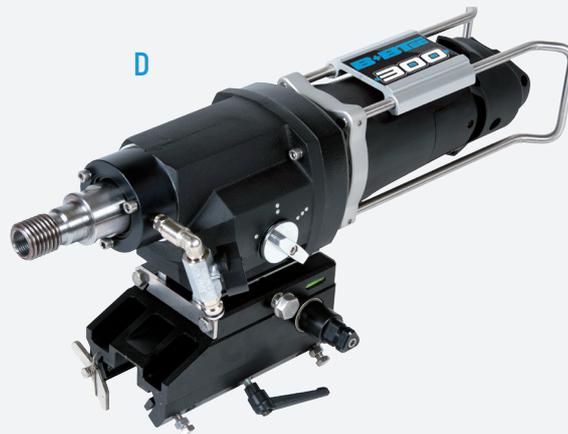
A Karat 130BG: Powerful 2.000W Handheld Diamond Core Drilling Unit. Aluminum Motor Housing. 3-Speed Gearing.

B Karat 130MG: Powerful 2.000W Handheld Diamond Core Drilling Unit. Aluminum Motor Housing. 3-Speed Gearing.

DRILL MOTORS & SLIDES



C



D

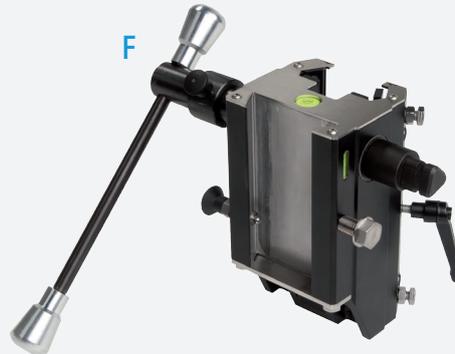
C Karat 164: Motor/Gearbox/Slide, complete. 2.000W for Bit Range $\varnothing 10 - \varnothing 164$ mm.

D Karat 300: Powerful 2.400 W Drill Motor complete with 3-Speed Gearbox and Quick Release Slide. Supplied with Tool Set and Adapter for 1/2" Bits. Bit Range $\varnothing 25 - \varnothing 300$ mm.

DRILL MOTORS & SLIDES



E



F

E Slide Karat 130: For Karat 130BG and Karat 130MG Drill Motors. Fits on Drill Stand Compact and Large,

F Quick Release Slide Karat 300. For Karat 300 Drill Motors. Fits Drill Stand Large.

DRILL MOTORS & SLIDES



H



G



J



I

G Drill Stand Large with Wheels: Equipped with Dovetail Guide-Way, Centering Device, Drilling Depth Indication and Transportation Wheels. Supplied with Anchoring Assembly.

Weight: 13.9 kg. For Karat 130, 164 or 300 Drill Motors.

H Drill Stand Large with Wheels, stroke 1.000 mm Same as above but with longer column.

Weight: 16.5 kg. For Karat 164 or Karat 300 Drill Motors.

I Drill Stand Compact: Equipped with Dovetail Guide-Way, Centering Device, Drilling Depth Indication, Supplied with Anchoring Assembly.

Weight: 9.5 kg. For Karat 130 (requires slide 2.000.138) or Karat 164 Drill Motors.

J Drill Stand Compact with Slide for Karat 130: Equipped with Dovetail Guide-Way, Slide, Centering Device, Drilling Depth Indication, Quick-Snap Reversible Downfeed Spindle (Left - Right). Supplied with Anchoring Assembly. Weight: 10.3 kg . For Karat 130 Drill Motors