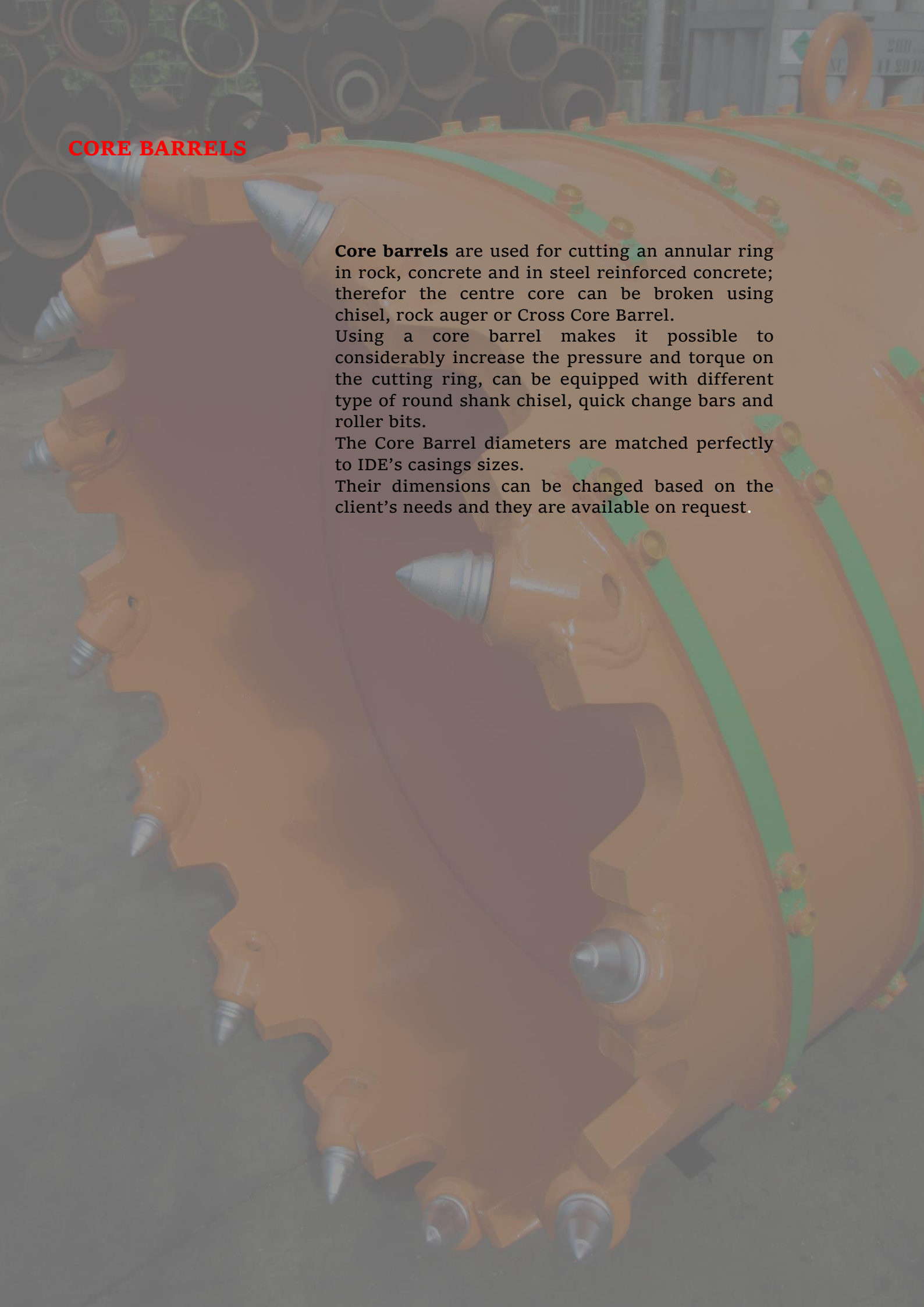




INTERNATIONAL
DRILLING
EQUIPMENT, INC.



Rotary Drilling Tools



CORE BARRELS

Core barrels are used for cutting an annular ring in rock, concrete and in steel reinforced concrete; therefore the centre core can be broken using chisel, rock auger or Cross Core Barrel.

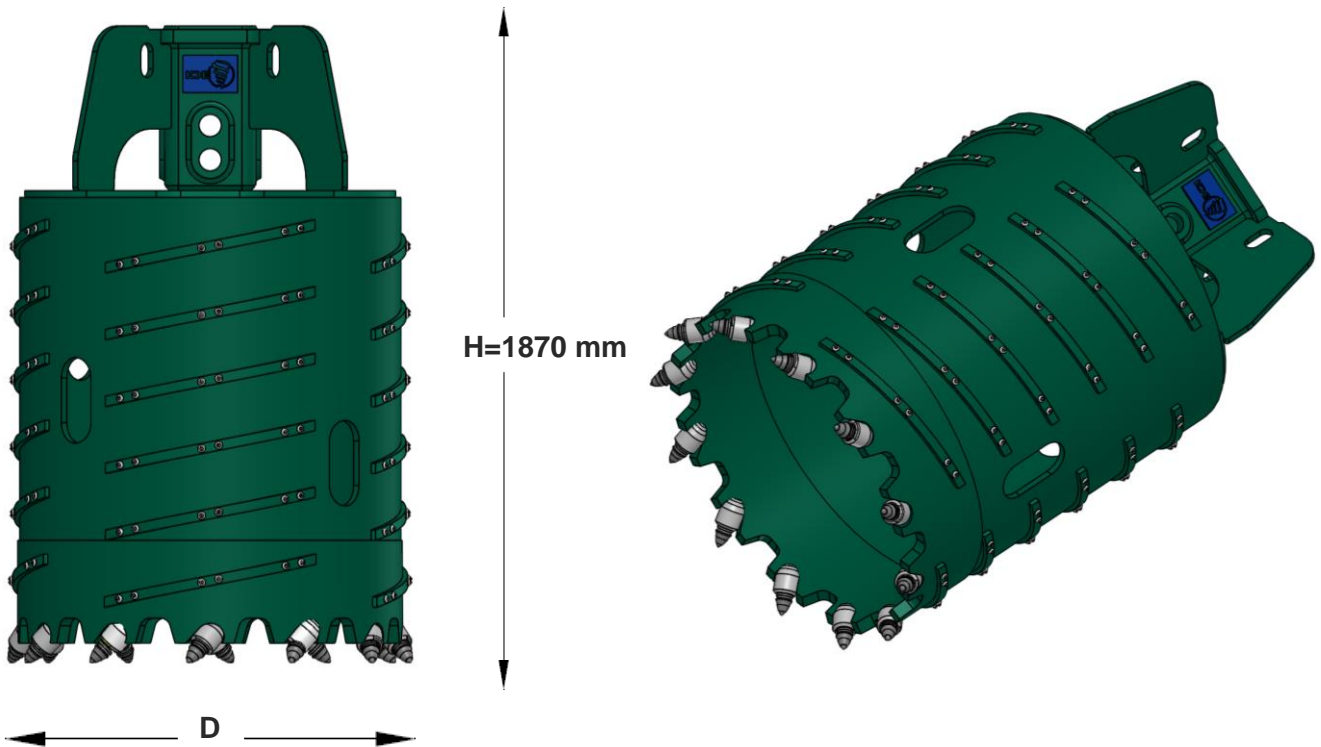
Using a core barrel makes it possible to considerably increase the pressure and torque on the cutting ring, can be equipped with different type of round shank chisel, quick change bars and roller bits.

The Core Barrel diameters are matched perfectly to IDE's casings sizes.

Their dimensions can be changed based on the client's needs and they are available on request.

Core Barrel

Technical data



D	Φ Casings	Weight
mm	mm	kg
520	620/540	640
650	750/670	720
780	880/800	850
900	1000/920	1100
980	1080/1000	1220
1060	1180/1100	1300
1180	1300/1220	1430
1350	1500/1400	1710
1650	1800/1700	2100
1830	2000/1880	2450

Custom lengths and diameters are available upon request

Features

- Kelly boxes are made of heat-treated cast steel with two locking pins
- Betek TungStuds wear protection is on the barrel body
- Fitted with Betek chisels
- Bottom ring in Hardox HB 500

Application

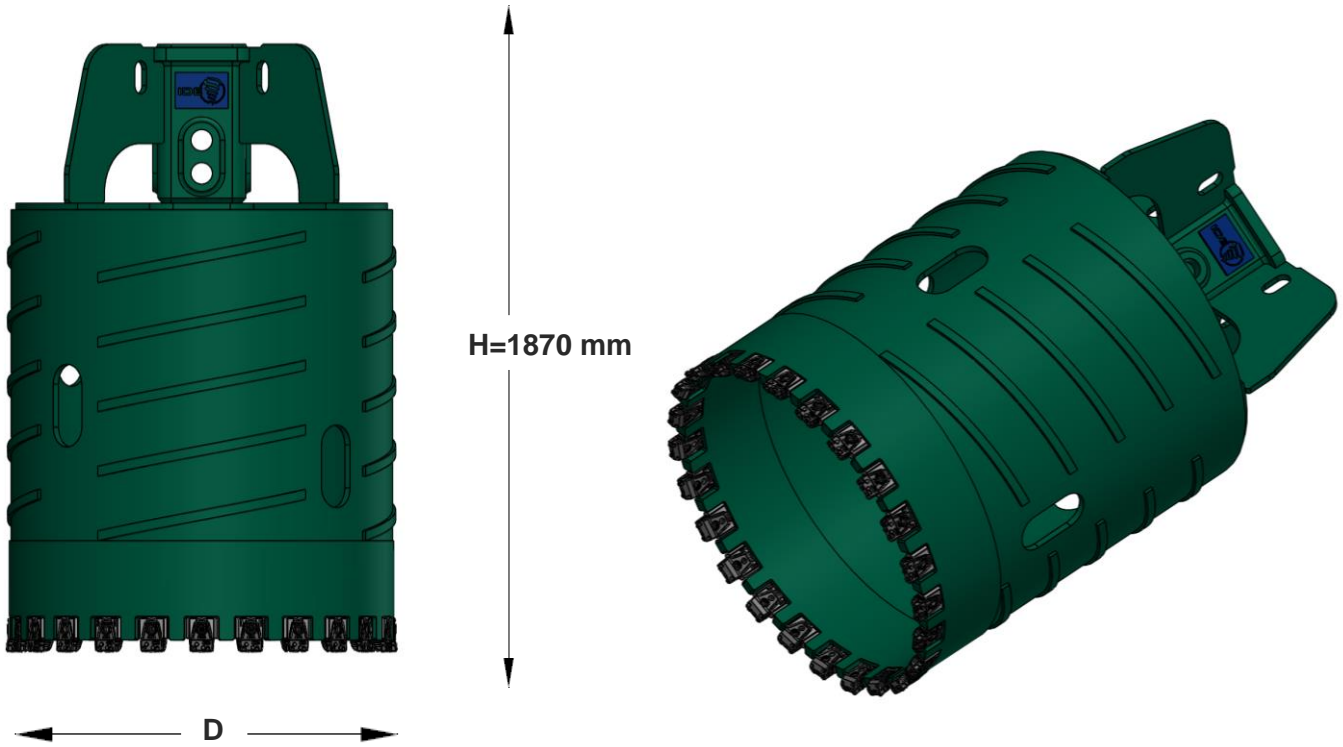
Rated for (50 - 100 MPa)
suitable for cutting through fractured rock





Core Barrel with Quick Change Bars

Technical data



D	Φ Casings	Weight
mm	mm	kg
520	620/540	530
650	750/670	700
780	880/800	900
900	1000/920	1070
980	1080/1000	1220
1060	1180/1100	1290
1180	1300/1220	1450
1350	1500/1400	1720
1650	1800/1700	2200
1830	2000/1880	2530

Custom lengths and diameters are available upon request

Features

- Kelly boxes are made of heat-treated cast steel with two locking pins
- Betek TungStuds wear protection is on the barrel body
- Fitted with Betek quick change bars
- Bottom ring in Hardox HB 500

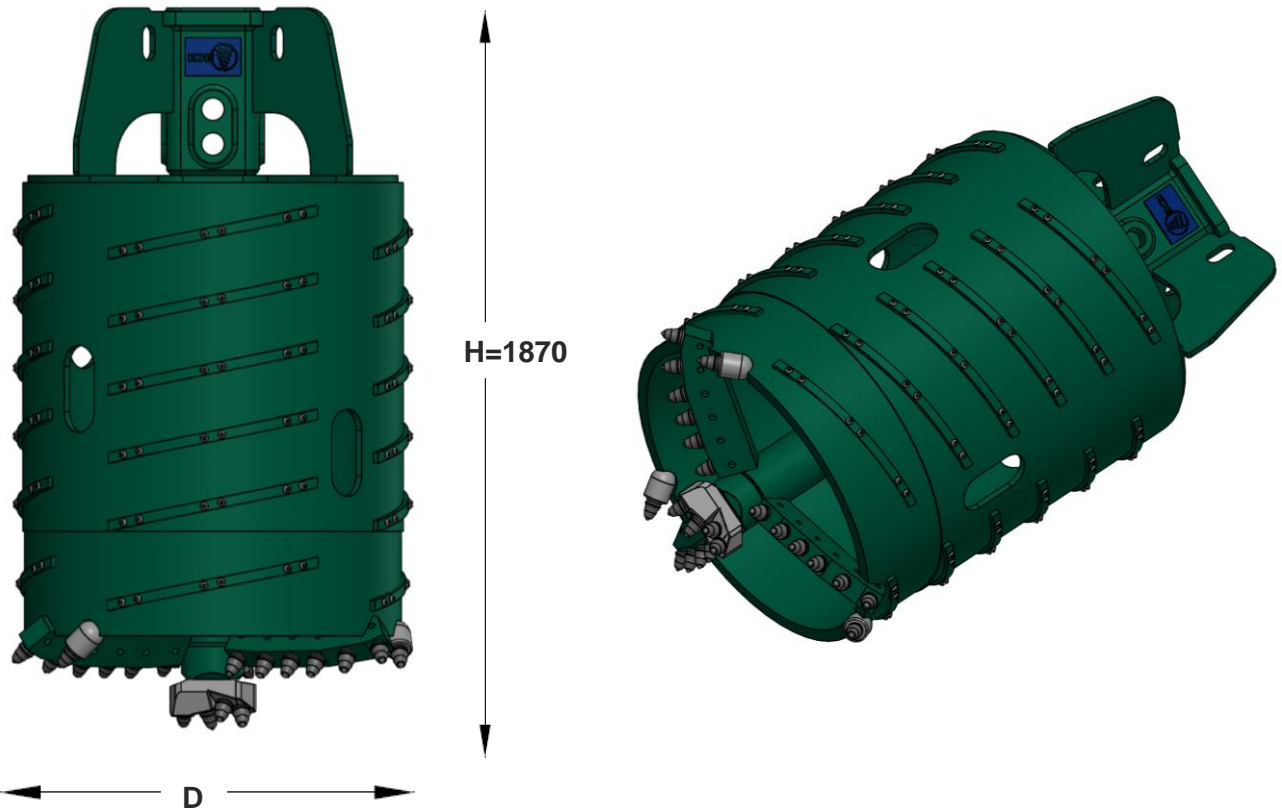
Application

Rated for (50 - 100 MPa)
suitable for cutting through fractured rock



Cross Cutter Core Barrel

Technical data



D	Φ Casings	Weight
mm	mm	kg
520	620/540	730
650	750/670	920
780	880/800	1100
900	1000/920	1310
980	1080/1000	1470
1060	1180/1100	1580
1180	1300/1220	1750
1350	1500/1400	2030
1650	1800/1700	2250
1830	2000/1880	2950

Custom lengths and diameters are available upon request

Features

- Kelly boxes are made of heat-treated cast steel with two locking pins
- Betek TungStuds wear protection is on the barrel body
- Blades in Hardox HB500
- Fitted with Betek chisels
- Bottom ring in Hardox HB 500

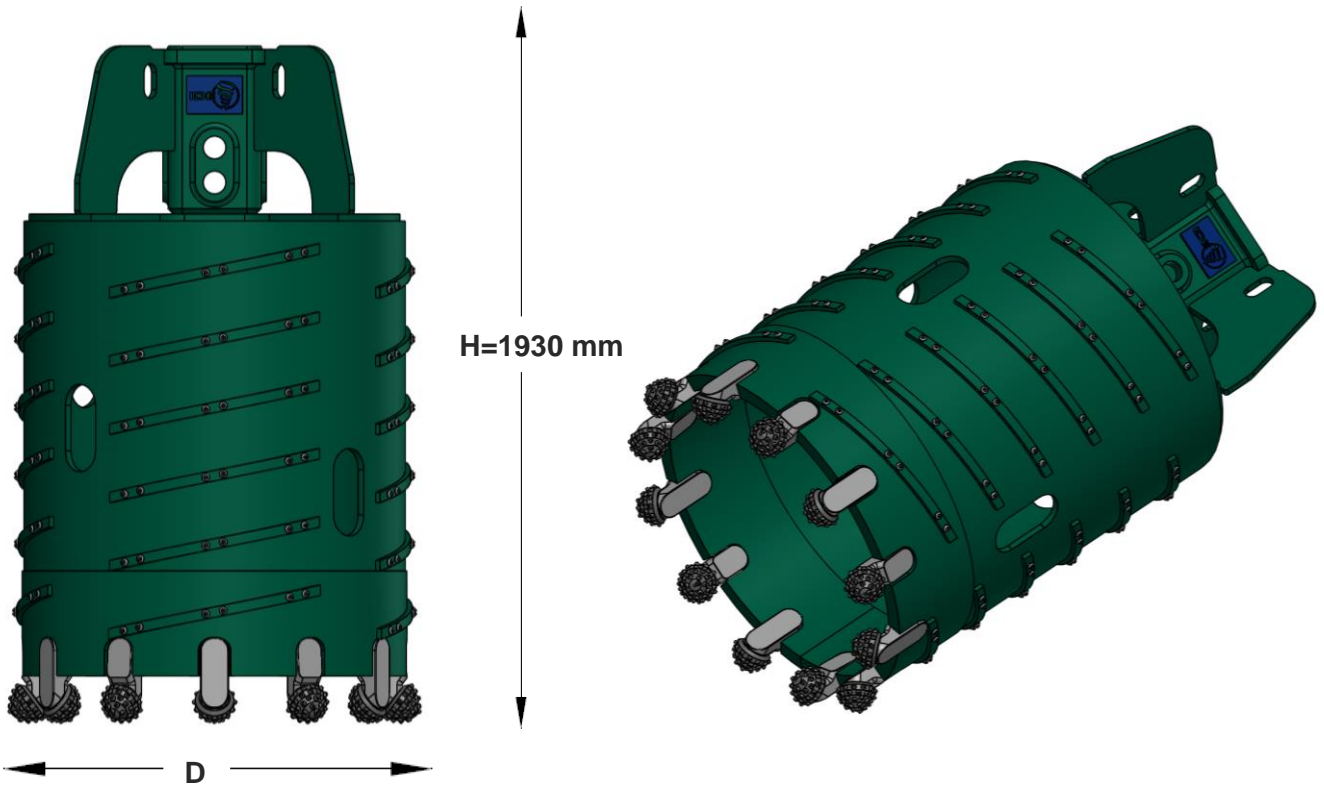
Application

The Cross-Cutter is used to break rock cores (50 – 100 MPa) which remain in the borehole after using a core barrel. The core is broken with round shank chisels. The cuttings are then removed with buckets



Roller Bits Core Barrel

Technical data



D	Φ Casings	Weight
mm	mm	kg
520	620/540	570
650	750/670	780
780	880/800	930
900	1000/920	1150
980	1080/1000	1290
1060	1180/1100	1390
1180	1300/1220	1590
1350	1500/1400	1780
1650	1800/1700	2260
1830	2000/1880	2700

Custom lengths and diameters are available upon request

Features

- Kelly boxes are made of heat-treated cast steel with two locking pins
- Betek TungStuds wear protection is on the barrel body
- Blades in Hardox HB500
- Fitted with roller bits
- Bottom ring is made of Hardox HB 500

Application

Roller bit core barrel is used in very strong rock formations (compressive strength > 100 MPa). It uses rock roller bits for cutting the annular groove with a width of 220 or 320 mm. The core barrel is extracted from the bore after coring a length of about 1 m.



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