March 2003 Midhage Diatip AB March 2003

Columbi 600

Economy and Power Pack

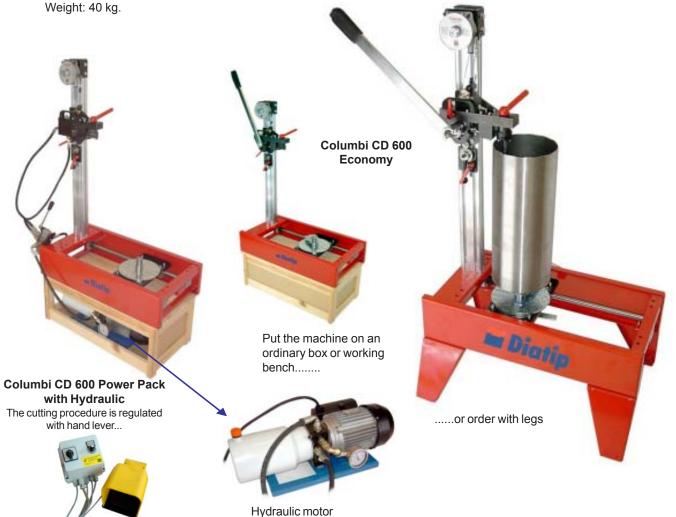
Retipping System for Diamond Core Bits

Manual and also with Hydraulic Cutting of Diamond Core Bits

The same as the previous since 1993 delivered Columbis, but now with considerably improved stability and efficiency. Columbi CD 600 is a combination of Columbi and the new, since 1998, CD 7-28 with the 3600 turnable steel column. Standard as a bench model but can also be used as a floor model with the four optional legs.

Core Bit diameter and length 35 - 600 mm. For all diamond segment lengths.

Repair also single lost segments. Sizes: L 760 * W 380 * H 150/250 mm.



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Ask for quotation!!

Agent







Product Guide Diamond Segments

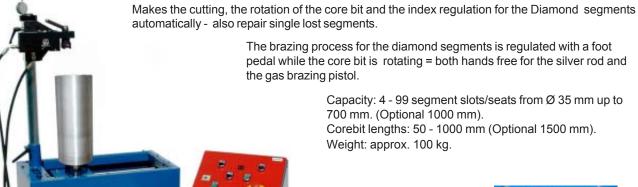


From our own production in Gothenburg, Jack Midhage Diamond Tools, we are offering you high quality Diamond segments for retipping and repair of core drills and saw blades - please contact us for further information.



CD 7-28 Automatic

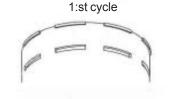
Retipping System for Diamond Core Bits







motor



Decide the number of segments and indicate the positioning by cutting indexed slots

"Hocus pocus

2:nd cycle

Cut between the slots -

leaving from 0.5 up to

wanted depths of the

segment seats.

.. for a safe, three -side

Remove worn part



brazing...

...and the worn part falls off automatically. Now ready to braze!

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CD 7-28 Manual or Hydraulic

Retipping System for Diamond Core Bits



Dimensions: L 920 * W 530 * H 580 mm. Core Bit diameter: from Ø 35 mm up to 700 mm (1000 mm with optional extension). Core Bit length: From 50 mm up to 500 (optional extension available - each 450 mm) Weight: Total weight 48 kg.



..half an hour later one Ø 350 mm and one Ø 180 mm ready for drilling





Use our JM- or Strong Flux Magnets

For fast and safe brazing!



JM Type A







Strong Flux Magnets in various models 0.5/0.75/1.0/1.25 mm



For the quickest and easiest brazing use the special heat resistant brazing magnets. Two different types with four or two side clearances, 0,5 - 0,75 - 1,0 -1.25 mm - depending on segment dimension, steel wall thickness and size and use of the core bit

Repair Equipment for Diamond Saw Blades

An economic method to replace diamond segments on circular diamond blades from Ø 230 mm up to 1200 mm diameter without damaging the blade body.

Adjustment wheel - to adjust the clearance of the segments

Welding with gas Bench model with optional base Capacity: Ø 230 mm /Ø 9"/ - 1200 mm /Ø 48"/ (Optional 2000 mm /Ø 80"/). Center Bore: 20mm - 60 mm. Size: L 700 * W 600 * H 400 mm /28" * 24" * 16"/ Weight: 40 kg / 90 lbs/. Aluminum cooling plates and heat resistant graphite plate

Dial indicator - to decide the exact clearance



From 700 mm and larger, very economic!

HF CS 2000 - 03

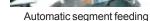
High Frequency Induction Heating Equipment with separated Transformer and with Segment Holder and Magazizine automatized

For brazing Diamond Segments on Saw Blades from Ø 250 mm but most economic from Ø 700 mm up to 2000 mm



Copper cooling plates

Input voltage - 220 V Single Phase 16A, 50-60 Hz Maximum Oscillation Power - 15 KWA Cooling Water Design - 0.2 Mpa 2-5 L/Min. Transport Space - $1150*800*500 \text{ mm} = 0.5 \text{ m}^3$ Weight total - 135 kg





The Diatip HF 15 is a high frequency heating equipment in which the latest inverting technology has been used so as to make light portable and flexible for fixed and on-site use.

Technical parameters of Diatip HF 15

Diatip HF 15 Input voltage 220 V single phase 180-245 V Input voltage range

Maximum oscillate power 15 KVA 80 % Duty cycle Output oscillate frequency 30.100 KHz Weight Main part 12 Kg **HF Transformer** 10.5 Ka

Size Main part (mm) 194*430*470 190*260*290 HF Transformer (mm) > 0.2 MPa Cooling water pressure

Cooling water temp. < 40° (104°F) Cooling water flux > 3 L/minute

Transformer separated Structure

Connecting line length 2 meters



T 2000

Tensioning Machine for Saw Blades up to Ø 2000 mm

Capacity: up to Ø 2000 mm /80"/ and not thicker than 4 mm/1/6"/. Arbor holes: Ø 1" and 60 mm. Reductions rings to 30, 35, 40 and 50 mm. Included: tensioning rulers 200 and 350 mm /8" and 14"/ and measuring dials with stand.

The pressure (approx. 20 - 30 Nm) is regulated with the included torque-wrench Electrical motor: 220/380 V, 3 -phase (for USA 110 V, 60 herz).

Start and stop regulated with a foot pedal.

Saw blade rotation driven by a motor/gear box with cog wheel The rev is 8000mm/minute.

Weight: 100 kg.

Volume: 0,55 m³



reduction rinas