

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 360° 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.
 Weight: 40 kg.

Columbi CD 600 Economy

Put the machine on an ordinary box or working bench.....

.....or order with legs

Columbi CD 600 Power Pack with Hydraulic
 The cutting procedure is regulated with hand lever...



Hydraulic motor

...or foot pedal

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Ask for quotation!!

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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

Makes the cutting, the rotation of the core bit and the index regulation for the Diamond segments automatically - also repair single lost segments.

The brazing process for the diamond segments is regulated with a foot pedal while the core bit is rotating = both hands free for the silver rod and the gas brazing pistol.

Capacity: 4 - 99 segment slots/seats from Ø 35 mm up to 700 mm. (Optional 1000 mm).
 Corebit lengths: 50 - 1000 mm (Optional 1500 mm).
 Weight: approx. 100 kg.



cutting head



hydraulic and motor

1:st cycle



2:nd cycle



Remove worn part



"Hocus pocus"

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

Cut between the slots - leaving from 0.5 up to wanted depths of the segment seats...

...for a safe, three-side brazing...

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

CD 7-28 Manual or Hydraulic

Retipping System for Diamond Core Bits



To be retipped
From Ø 35 mm up to
700 mm....



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

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.



Option - Hydraulic System regulated
with....



.....hand lever.... ...or foot pedal



CD 7-28 Manual

Use our JM- or Strong Flux Magnets

For fast and safe brazing!



JM Type A
0,75 and 1,0 mm

JM Type B
0,5 and 1,25 mm



**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.

CS 12 - 48

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.

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
Adjustment wheel - to adjust the clearance of the segments
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 Magazine 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 mm = 0,5 m³
Weight total - 135 kg



Automatic segment feeding



HF 15

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

Model	Diatip HF 15	
Input voltage	220 V single phase	
Input voltage range	180-245 V	
Maximum oscillate power	15 KVA	
Duty cycle	80 %	
Output oscillate frequency	30.100 KHz	
Weight	Main part	12 Kg
	HF Transformer	10.5 Kg
Size	Main part (mm)	194*430*470
	HF Transformer (mm)	190*260*290
Cooling water pressure	> 0.2 MPa	
Cooling water temp. < 40° (104°F)	Cooling water flux > 3 L/minute	
Structure	Transformer separated	
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 rings

