

Save time and money
Do your own retipping

Diatip makes the job fun and easy



1. Cuts off the worn end faster - No noise or dirt

The Diatip retipping equipment work cleaner and more comfortable - no noise, dirt or sparking - and cut off faster than a grinding disc.



2. Neat and accurate segment division

With the Diatip equipment you will have full control of the number and the position of the segments you wish to have implanted on the bit.

3. Makes it easier to braze

The Diatip equipment make seats for the segments at the same time as it cuts off the worn part. The seats will make it easier for you to braze as you have support on three sides.



4. Eliminates segments loss

The seats will decrease costly interruptions because of lost segments. They will also make it easier to drill through hard materials, use more powerful machines or drill faster.



A new drill bit within minutes!

1. Decide the number of segments

Choose from 4 to 34 segments - the enclosed guide helps you to choose the correct number. (If you wish you can choose a smaller number to increase speed on the drill in hard materials.)

2. Adjust the matrix so it suits the diameter

The matrix has different curved openings to suit all drill bit diameters. Also different knives for different segment lengths are available. (24 mm, 16 mm, 20 mm or 1" .)

3. Cut the seats for the segments

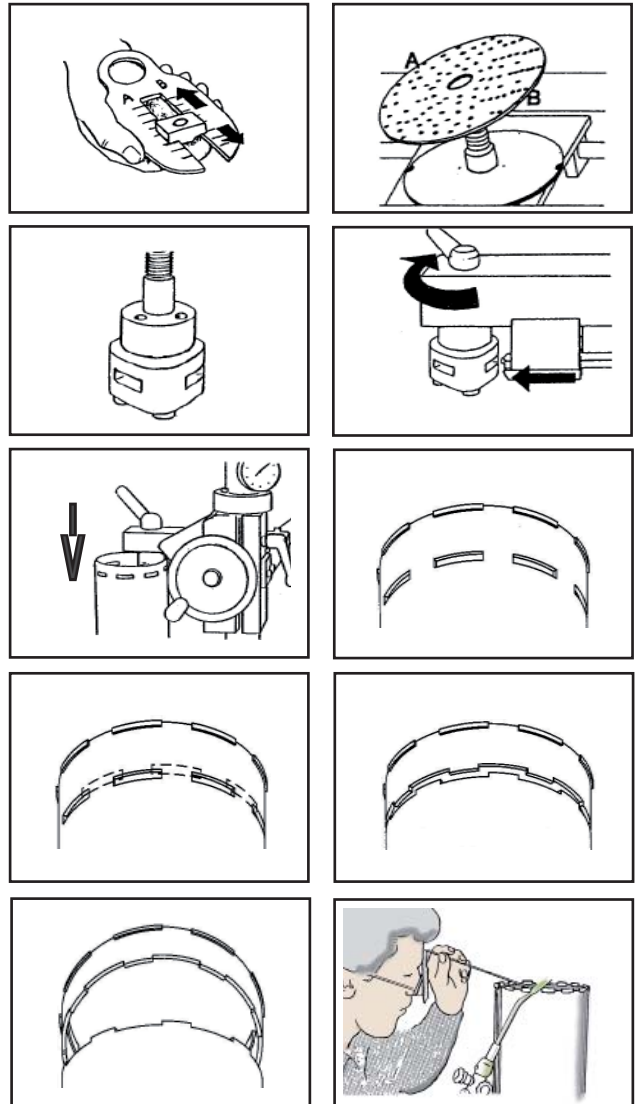
Lower the cutter head over the worn part of the drill bit and cut the first cycle of slots. The knife cuts burr-free seats which need no preparation before the brazing.

4. Raise and cut between

Then raise the cutter head and cut off between. The worn part falls off and automatically you get perfect seats for the segments. (If no seats are requested do not raise the cutter before you cut the second cycle.)

5. Now ready to braze

After only a minute or two you will have it all prepared for the brazing. The seats help you to position the segments and will give you a strong and safe "three-side" brazing.

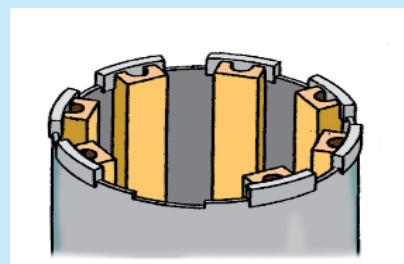


Use our magnets for the brazing

Braze with silver rods and gas. Our strong, heat resistant magnets are the quickest way to hold the segments safe in position during the brazing.

Total time one minut/segment!

After some practice the total time consumed for retipping a drill bit is about one minute per segment.



Make your choice from our different models

CD 7-28 Manual

Our most sold type. Built for professional, daily use. Very easy to handle - no need for special skills or physical strength.

Min. diameter:	Ø 38 mm
Max. diameter:	Ø 700 mm. Can be extended to Ø 1100 mm (optional)
Max. length:	700 mm. Can be extended to any length (optional).

CD 7-28 Hydraulic

Same as above, but instead of the manual cutting handle it is equipped with a hydraulic motor and a hydraulic cylinder. Controlled by a PLC-box and a foot pedal. (Both hands free during the cutting.)

The manual models can also be supplemented with the hydraulic motor and cylinder later for exchanging them to hydraulic versions.

CD 600 Manual

Same functions as the CD 7-28 but designed as an economy version. "Portable". Not fully the same options as the CD 7-28.

Min. diameter:	Ø 38 mm
Max. diameter:	Ø 600 mm. (Can not be extended.)
Max. length:	600 mm. Can be extended to any length (optional).

CD 7-28 Automatic

As the CD 7-28 models but works completely automatic. Set the number of segments and the depth of the seats - then just push the start button. Gives you time to work with other things during the cutting - for example brazing the previous bit.

Min. diameter:	Ø 38 mm
Max. diameter:	Ø 1000 mm. Can be extended to Ø 1400 mm (optional).
Max. length:	700 mm. Can be extended to any length (optional).



The accessories for your retipping work



"What do I need to start"

If you have no experience on how to braze you will learn quick. Practice on a bit or two and you will soon get the grip. When you order your retipping equipment from us we can also provide you with all the information and the accessories you may need.

Silver rods and flux

For the brazing we recommend acetylen/ oxygen gas and a torch head with a concentrated flame. This you buy best at your local supplier. However the silver and flux specially suited for these kind of jobs you can order from us

JM Magnets

Our JM Magnets come in two different types, A and B, with two different measures on each:

JM Magnet type A: 0,75 m and 1,0 mm. The most frequently used and has side clearances on the magnet that suits most diameters and segment thicknesses.

JM Magnet type B: 0,5 mm and 1,25 mm. For the smallest and the very largest core bit diameters.

SFM Magnets

Each SFM Magnet has all four different side clearances to suit all core bit diameters and segment thicknesses. Super strong. (Also available with a thinner feature for small bit diameters.)

Diamond segments

Midhage Diatip can also offer you a wide range of top quality diamond segments for all your different needs - universal segment or segments for special applications.



Less than half the money you pay for a new bit, consists of segments. The rest is the expense of steel, shipping, manufacturer's profit etc. With your Diatip equipment you will eliminate all these costs.

