

3M Science.
Applied to Life.™

Fitting 3M™ Cubitron™ II Fibre Disc 982C on Atlas Copco Grinder

This combined System ensures:

- Fibre disc is seated safely below the guard.
- Fibre disc and backing pad is centralised on the machine to provide smooth running
- The chamfer design of the retaining nut provides a low profile helping achieve the optimum (10 – 15 degrees) angle of grind for long life and maximum stock removal

Applies to 125mm Atlas Copco Grinders GTG21 & GTG25

What you need...



GTG21/GTG25
Atlas Copco



3M Low profile
Backing pad



3M™ Cubitron™ II
Fibre Disc 982C



Atlas Copco fibre
disc retainer nut



Only use chamfered retaining nut with low profile backing pad and fibre disc.

NOT FOR USE WITH FLAP DISCS, CUTTING OR GRINDING WHEELS. DO NOT EXCEED 80 m/s

Start the tool away from people and off the work piece and wait until it is running at full speed. Stop immediately if there is a change in sound of the machine or excess vibration. Determine cause and correct before continuing.

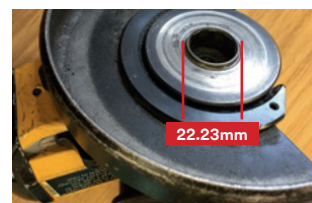
1

Disconnect grinder airline before carrying out any work on machine. Follow all instructions provided by your regulations and power tool. Inspect backing pad and fibre disc for damage.



2

The tool has a 22.23mm diameter shoulder with which to locate the 3M low profile red backing pad.
3M Stock No. 7100097174



3

Seat the back up pad on the shoulder of the tool. The back up pad ribs are facing upwards.



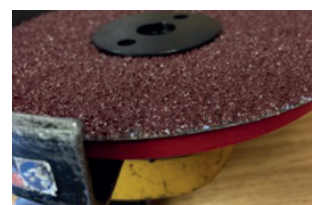
4

Locate on retainer shoulder
With the Fibre disc abrasive (rough) side up, push the Atlas Copco retaining nut down through the centre, locate on the shoulder.
*Image is taken from underneath for clarity to show fibre disc located correctly (red circle).



5

Check fibre disc rotates centrally
Insert retainer into tool and tighten using appropriate device. The fibre disc is centralised thanks to the retainer nut shoulder.



3M™ Cubitron II™ Fibre Disc 982C Applications

- Easy access heavy, medium & light weld refinement.
- Weld spatter removal.
- Grinding, edge bevelling, weld preparation.
- Heavy duty deburring, flame cut edge work.



Weld flushing



Grinding/Chamfering



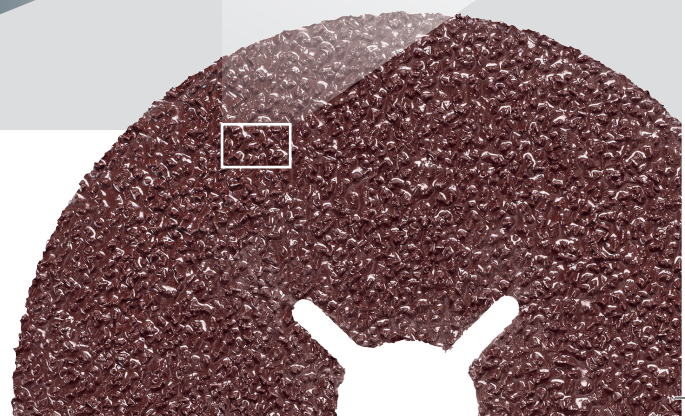
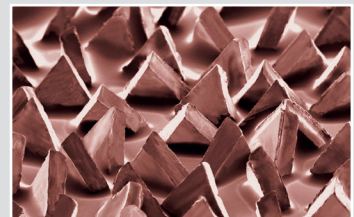
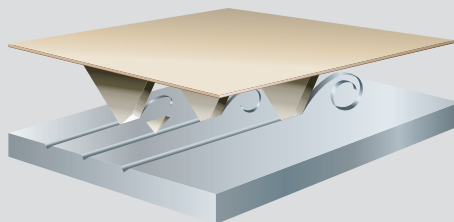
Heavy duty deburring

Practice the 4 key steps for optimal grinding with 3M™ Cubitron™ II Fibre Disc 982C:

- 1 Ease the tool onto the work-piece and apply at a shallow angle: approximately 10° is recommended.
- 2 Do not push or plough the disc into a rough weld, corners or fillet weld.
- 3 Grind off the edge rather than into it when possible, starting at the furthest point and grind towards you.
- 4 Do not exert excessive force, allow machine to maintain max spindle speed, listen to the machine.

3M™ Cubitron™ II An abrasive revolution

3M pioneered the first precision-shaped grain using 3M micro-replication technology to form consistent sharp peaks that easily “slice” through metal, cutting cooler, faster and lasting longer than conventional abrasive grain.



3M

3M United Kingdom PLC
Tel: 0845 504 8772 (UK) Tel: 1 800 320 500 (IE)
abrasives.uk@mmm.com www.3m.co.uk/abrasives