

CBN Grinding Wheels 80 - 180 grit

This CBN wheel is available in 80 grit and 180 grit coating that produce sharp edges on HSS tools. Cubic Boron Nitride (CBN) is a ceramic abrasive second only to diamond in hardness.

Electroplating this abrasive onto the rim of a solid steel wheel creates a grinding wheel with outstanding performance.

The wheels are factory balanced ensuring they run ultra smoothly when fitted to a suitable bench grinder. CBN wheels are at their best when grinding HSS steels as well as powdered metal and hardened carbon steels. This makes them invaluable for maintaining the edges of woodturning tools and other hand tools.

Whether it is bevel edge chisels, screwdrivers or drill bits, CBN is a the best material for grinding hardened steels.

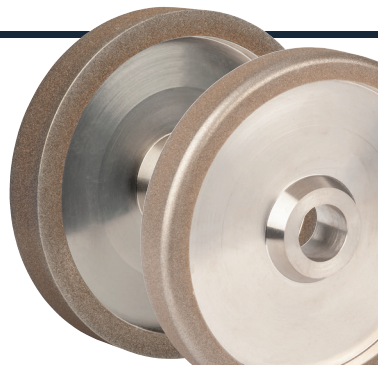
103913: 80 grit, square edge, 200x32mm
103915: 180 grit, square edge, 200x32mm
105026: 180 grit, square edge, 200x40mm

Attempting to grind unhardened steel or soft metal, such as aluminium, copper etc is detrimental to performance and results in a clogged wheel.

These wheels do not require coolant, as they generate hardly any heat. It is practically impossible to burn or blue a tool unless the user is particularly heavy-handed. It needs very little pressure to sharpen a tool generally, the weight of the tool alone is sufficient. The face of the wheel will never need dressing, it will always remain flat and run true.

These outstanding wheels have an almost indefinite life if treated with respect. Since they cut very efficiently, you only remove a minimum of steel to get a line and evenly sharp cutting edge, meaning your turning tools last longer. You only purchase a CBN wheel once, making it an excellent investment.

- 200mm diameter with a 32mm or 40mm wide face
- 80 or 180 grit CBN coating perfect for sharpening HSS tools
- Coating extends 15mm down each side
- Very little heat produced, eliminates bluing
- Cuts fast, requiring minimal pressure when sharpening
- Produces an even finish and superbly sharp cutting edge
- Wheel stays flat, true and smooth running
- Lasts many years, may never need replacing
- Effective from 100rpm to 3,500rpm

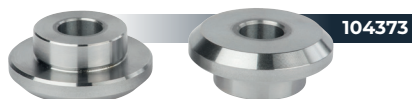
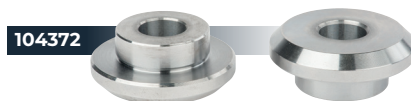
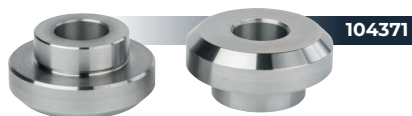




ADDITIONAL INFORMATION

All CBN wheels are supplied with a 31.75mm Bore, you will need to choose the correct mounting bush for your grinder. Please see the chart below for the correct mounting bush to fit your grinder.

Mounting Bush Chart	
Code	Shaft Sizes
104371	18mm
104372	5/8" (15.87mm)
104373	15mm



OPTIONAL ACCESSORY

CBN and Diamond Wheel Cleaning Stone 104143

If the grindstones have pitch or foreign material build up they should be cleaned using the CBN and Diamond wheel cleaning stone.

Switch the grinder on and allow it to run full speed. Rest the cleaning stone on the tool rest and advance it to the wheel until it touches the maximum diameter; gently move back and forth across the face of the wheel until the wheel is clean and sharp.



Please note: This is not a procedure that can be rushed, it must be carried out slowly and steadily.