

Tormek Diamond Wheels

Tormek has developed three diamond wheels designed for use with the Tormek Water Cooled Sharpening System. The Tormek Diamond Wheels offer an exceptional durability and the ability to sharpen on the periphery as well as the side. When sharpening on the side of the Diamond Wheels, we recommend using the Tormek Multi Base MB-100 with the appropriate jig developed for your specific tool.

The quality of the diamond surface provides a constant sharpening ability and a grinding wheel that always remains a full size diameter. Tormek's low speed sharpening make it ideal to use diamond for edge tool sharpening since no heat is generated.

The Diamond Wheel's structure

Tormek's Diamond Wheels are constructed with a precision machined steel frame. The frame is coated with a single layer of diamond grit that is electrolytically anchored with nickel. When the coated abrasives are touched by the filings of metal from your tool, they will reach the steel frame through the pores that occur in the nickel coating and exposing the steel core. Therefore, always use the ACC-150 Anti-Corrosion Concentrate in the water when sharpening with water to prevent rust on the grinding wheel. Add 10 ml of concentrate to 250 ml water (~4 %). We recommend to always use water when sharpening with the diamond wheel, as it prolongs the life of the wheel and provides a finer surface. It is also possible to sharpen without water.

Important *When wet grinding, always use the ACC-150 Anti-Corrosion Concentrate in the water to prevent rust on the grinding wheel. Add 10 ml of concentrate to 250 ml water (~4 %). If you want to save the mix overnight, remember to lower the water trough.*

The diamond wheels come in three different grades; Coarse, Fine and Extra Fine. Each of the Tormek Diamond Wheels is suitable for all types of material, incl. steel, ceramic and carbide.

Diamond Wheel Coarse DC-250

This coarse wheel gives an efficient steel removal and rapidly repairs a dull or damaged edge. The grit size is 360. For all types of material, incl. steel, ceramic and carbide. Fits Tormek models T-8, T-7 and previous models with a 250 mm wheel diameter.

Diamond Wheel Fine DF-250

This ultimate all-round wheel combines efficient steel removal, smooth surface finish and long life. The grit size is 600. For all types of material, incl. steel, ceramic and carbide. Fits Tormek models T-8, T-7 and previous models with a 250 mm wheel diameter.

Diamond Wheel Extra Fine DE-250

This wheel gives an extra fine surface finish and is especially suited for carving tools and knives when the need for steel removal is minimal. The grit size is 1200. For all types of material, incl. steel, ceramic and carbide. Fits Tormek models T-8, T-7 and previous models with a 250 mm wheel diameter.

Important when using:

- *Always apply a low pressure when sharpening. Apply a **very low** pressure when sharpening with a new diamond wheel. The diamond grits on a new diamond wheel are very sharp and sensitive to high pressure.*
- *At first usage, the diamond surface will seem aggressive, so you should expect to feel and hear that some diamond grits stand out. After a short break-in period, the diamond crystals will stabilize to a uniform level to give a finer surface. This process normally takes 2–5 sharpenings.*
- *Do **NOT** use the TT-50 Turning Tool on the Diamond Wheel. There is no need to true the wheel.*