Conception

Dentsply Maillefer's tungsten carbide burs are cut from high tenacity, micro grain hard metal. After the cutting edges of the active part have been ground by a precision tool impregnated with fine grained diamond, each bur individually undergoes a strength test. Each bur is also visually examined prior to packing to guarantee perfection. These inspections are in addition to 6 examinations, which take place during production.

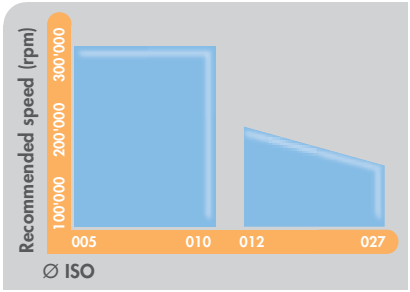
The cutting geometry, which is specific to each form and each use (cavity burs, metal burs, surgical or finishing burs, ...) provides both a very significant efficacity with a minimum of vibration.

Recommended Speed

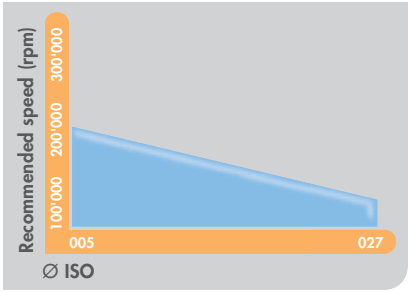
A rotation speed of 300'000 rpm is recommended for burs up to No. ISO 010. For sizes ISO 012 and above, the recommended speed is between 150'000 and 200'000 rpm.

Regardless of their diameter, burs which have an active part that is longer than 8 mm must never be used at speeds in excess of 200'000 rpm.

Tungsten carbide burs are preferably used with a turbine or with a high speed handpiece. With the turbine, minimal pressure guarantees better efficiency of the bur.

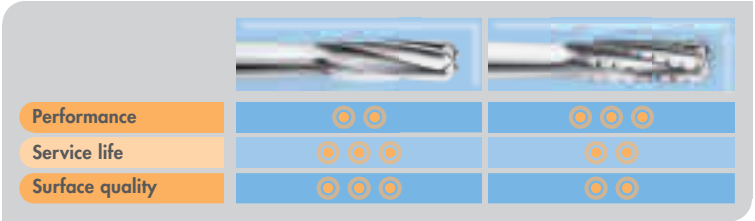


Length of active part less than 8 mm



Length of active part greater than 8 mm

Plain Cut or Cross Cut?



Number of teeth:

- Cutting burs: 6 to 8 teeth
- Finishing burs: 12 to 20 teeth
- Polishing burs: more than 20 teeth