

Instructions for Use and Care of Nova Resin-Bond Diamond Wheels



Please Read
Carefully
Before
Using
Wheels

Nova Wheels are specially designed to produce an excellent finish on stones with a minimum of time and effort. The diamonds in Novas are embedded within a tough, flexible, plastic resin backed by an extra soft, thick, sponge rubber backing. This soft, flexible construction enables the surface of the Nova Wheel to conform to the stone, eliminating flat spots



WARNING: This product can expose you to chemicals, including epichlorohydrin, which is known to the State of California to cause cancer, birth defects and other reproductive harm.

For more information go to
www.P65Warnings.ca.gov

Use and Maintenance:

1. Nova wheels **MUST** be used with a water lubricant. This fact cannot be stressed too strongly, for if the wheels are run dry for more than a few moments, rapid wear and damage can result. Make certain that the geyser is supplying sufficient water to the Nova Wheel before using it, and remember to move the geyser to the next wheel as you progress through the sanding and polishing procedure.
2. Nova Wheels should be broken in by sanding and polishing a large agate cab prior to working on others. This is necessary in order to remove excess resin coating surfaces of the diamonds. Spend from two to five minutes on each wheel with the first cab, working it over the entire surface of the wheel. The finer grit wheels, 3000 and up, will take longer to remove the excess resin, and will continue to improve in speed and finish as more stones are worked.
3. Use sufficient pressure to cause the surface of the wheel to depress slightly to conform to your stone. This eliminates the flat spots left by the grinding wheels and will cause fewer scratches than would be produced by pressure that is too light.

4. It is important to hold your stone so that you do not allow the upper or leading edge to act as a plow and dislodge diamonds from the surface of the wheel. The diamonds in Nova Wheels are firmly embedded in the resin and with proper use cannot be dislodged to cause contamination in proceeding from one wheel to the next. But they can be dislodged with the sharp edge of a stone.
5. To prolong the life of your Nova Wheels, be certain to prepare your stone properly on the grinding wheels prior to sanding. Use the metal bond wheels to grind your stone to its final size and shape, and to remove all sharp edges and corners. This leaves only the final sanding and polishing to the Nova Wheels. Similarly, it is important to do a good job of sanding at each stage before going to the next as the finer grit wheels will take much longer to remove scratches than do the coarser wheels.
6. If your stone still has scratches after the final polish, check the following procedures:
 - A. Make certain all deep scratches left by the coarse (80 grit) grinding wheel are removed by the fine (220 grit) grinding wheel.

- B. Make certain you are using enough pressure on the Nova Wheels. Too light a pressure can cause scratches.
- C. Make certain your Nova Wheels have been broken in properly, especially the finer grits. If any one wheel seems to be causing the scratching, take a large agate cab and work it across the entire surface of the wheel.
- D. Almost all problems with scratches are caused by improper procedure in the above three areas.

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