

Rock tumbling is a process that helps to reveal the natural beauty and shine of various types of semi-precious gemstones used for ornamental and decorative purposes. In this process rough stones are rotated inside a barrel in a mixture with harder "grit", until the rough edges are removed and stones acquire rounded shapes. The final stage is polishing of the stones in the presence of less coarse grit until perfectly smooth and shiny appearance of the articles is achieved. Using carefully selected nanodiamond-based polishing paste provides beautiful finished articles that shine like never before! There are other products that can polish stones in a tumbling process, but none with the same quality and speed as nanodiamonds.

Nanodiamonds also provide a new look as a final finish of faceted gemstones, where micron-sized diamond grit is already used at earlier stages of processing.

Application Procedure for Tumbling

- Proceed with the coarse grinding and fine grinding stages using silicon carbide or alumina coarse grits as usual.
- Proceed with your pre-polishing step as usual. After finishing the pre-polishing of your stones, clean the stones completely from debris from the tumbling process, as well as thoroughly clean the barrel.
- For the polishing stage, use nanodiamond-based D-Polish composition (a paste of nanodiamonds in DI water).
- Fill the rocks in the barrel up to the usual 2/3-3/4 volume level. Add in the D-Polish composition (1 jar per three pounds). Proceed with polishing until your satisfaction.
- Your polishing step will be shorter than usual, check the stones earlier to decide when to stop the polishing.
- Dispose the polishing past as you do usually with your polishing grit.



Notes: Pre-polishing step can be proceeded with as usual, or nanodiamond-based D-Polish composition can be used at this stage (combination of pre-polishing and polishing steps).

Product	Suggested Application	Sold As*	Catalogue No.
Nanodiamond Polish 7.5 wt %	Tumbling Polish	10 mg/mL in DI water	DPolish500ml

