

LASTING Waterjet Orifice

MAXIMUM NOZZLE LIFE

JET STREAM RELIABILITY

OPTIMUM PRODUCTIVITY

PERFORMANCE CONSISTENCY

HIGHEST COST PERFORMANCE



PRODUCT FEATURES & BENEFITS

QUALITY THAT BLASTS AWAY INDUSTRY NORMS

Lasting Diamond (HK) Technology manufactures each of our standard water orifice with the highest quality materials and precision machining techniques in the industry. Each nozzle is equipped with heat treated, stainless steel mounts, aerospace grade retainers, and 100% quality inspection, to ensures:

- Maximized nozzle life
- Consistent jet stream profile and coherency
- Superior blasting performance
- Reduced downtime



LASTING

We aim to supply the diamond products (especially the natural diamond) at the most competitive pricing along with the ultra long LASTING performance .



We offer both Sapphire and Diamond options.

Sapphire

PRODUCT FEATURES

- **Utility Grade:** Long life
- High jet stream coherency
- Max jet stream length
- Premier sapphire material quality
- Aerospace grade mounting & retaining materials
- 100% quality inspected

Natural Diamond

PRODUCT FEATURES

- **Performance Grade:** 15 to 20 Times longer life than Sapphire
- 100% tested at 60K psi
- Zero ID edge degradation over use
- Premium jet stream coherency & integrity
- Optimized jet stream length and consistency
- Maximized uptime and productivity

Although Natural Diamond Orifices are most ideal for UHP waterjet cutting applications, sapphire remain a commonly used orifice material. While sapphire, also known as corundum, is still utilized in the industry today for non-critical applications, due to its inherent material characteristics it does not hold up well to impacts from on/off cycles, metal debris from high pressure lines, or abrasive particles that collide with the orifice edges. Any of these impacts can render the jewel useless in an instant. It takes only one impact on the inlet edge of a ruby or sapphire to chip it, causing jet stream quality failure.

But the natural diamond orifices made by Lasting Diamond (HK) Technology have about 50% less cost than other international competitors, at an affordable price point, allowing you to go the distance with your production without costly downtime to change out unreliable nozzles.

