



LASTING 40K Blasting Nozzles

MAXIMUM NOZZLE LIFE

JET STREAM RELIABILITY

OPTIMUM PRODUCTIVITY

PERFORMANCE CONSISTENCY

HIGHEST COST PERFORMANCE

P Max 60K PSI



PRODUCT FEATURES & BENEFITS

QUALITY THAT BLASTS AWAY INDUSTRY NORMS

Lasting Diamond (HK) Technology manufactures each of our standard water jetting nozzles 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 ensure:

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



We offer both Sapphire Insert and Diamond Insert Nozzles.

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 40K 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 Nozzles are most ideal for waterjet cutting and cleaning & blasting 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 insert nozzles made by Lasting Diamond (HK) Technology have about 40% 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.



STANDARD TYPES



Lasting-51

Thread Pitch: 3/8"-24
Description: 7/16" hex head
Sealing Angle : 84°
Replace: 4065, 4067



Lasting-55

Thread Pitch: M10x1.5
Description: 5mm hex key slot
Sealing Angle: 58°
Replace: Form 21, 3261, 3688, Type 965



Lasting-52

Thread Pitch: 3/8"-24
Description: 3/8" hex head
Sealing Angle: 112°
Replace: 3024, 3546, Type972



Lasting-56

Thread Pitch: 1/4"-28
Description: 1/4" hex head
Sealing Angle: 112°
Replace: 3026, 3606



Lasting-53

Thread Pitch: 7/16"- 20
Description: 7/16" hex head
Sealing Angle: 112°
Replace: 3076, 3604, Type975



Lasting-31

Description: long stem
Sealing Angle: 84°
Replace: 2908



Lasting-54

Thread Pitch: M10x1.5
Description: 5mm key Slot, Shortened
Sealing Angle: 58°
Replace: 3727



Lasting-30

Description: long stem
Sealing Angle: 60°
Replace: 2720, Type 257

Standard Orifice Size: 0.15mm - 0.89mm
Additional Size: 0.08mm - 0.13mm | 0.91mm - 1.78mm
Customized Nozzles Holders Are Available.

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