

BLASTING NOZZLES

DTI INSIDE ENSURES:

FOR WATERJETTING APPLICATIONS

*MAXIMUM NOZZLE LIFE
JET STREAM RELIABILITY
PERFORMANCE CONSISTENCY
OPTIMUM PRODUCTIVITY*



MANUFACTURED WITH



PRODUCT FEATURES AND BENEFITS

QUALITY THAT BLASTS AWAY INDUSTRY NORMS

dti™ manufactures each of our standard waterjetting 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 titanium retainers, and 100% quality inspection. Every step dti™ takes above standard quality norms, ensures:

- MAXIMIZED NOZZLE LIFE
- CONSISTENT JET STREAM PROFILE AND COHERENCY
- REDUCED DOWNTIME
- SUPERIOR BLASTING PERFORMANCE
- OPTIMIZED PRODUCTIVITY

PERFORMANCE VERSATILITY

ALIGN ORIFICE PERFORMANCE TO JOB PERFORMANCE NEEDS

dti™ offers standard blast nozzle assemblies with your choice of orifice material. For unbeatable lifetimes and optimum performance consistency, tetraCORE™ orifices minimize downtime and maximize productivity. For less demanding jobs, dti™ Sapphire orifices are precision manufactured to ensure quality and performance.

ORIFICE MATERIALS

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

tetraCORE™ DIAMOND PRODUCT FEATURES

- **Performance Grade:** 10X longer life than Sapphire
- 100% tested at 50K psi
- Zero ID edge degradation over use
- Premium jet stream coherency & integrity
- Optimized jet stream length and consistency
- Maximized uptime and productivity



DTI-82

Thread Pitch: 3/8" - 24
Description: 3/8" hex head
Sealing Angle (included): 84°
Similar to: 4065, 4067



DTI-97

Thread Pitch: 1/4" - 28
Description: 1/4" hex head
Sealing Angle (included): 112°
Similar to: 3026, 3606



DTI-88

Thread Pitch: 3/8" - 24
Description: 3/8" hex head
Sealing Angle (included): 112°
Similar to: 3024, 3546, Type 972



DTI-118

Thread Pitch: 1/4" NPT
Description: 1/4" NPT threaded



DTI-89

Thread Pitch: 7/16" - 20
Description: 7/16" hex head
Sealing Angle (included): 112°
Similar to: 3076, 3604, Type 975



DTI-127

Thread Pitch: M4 X 0.5
Description: M4, Slotted
Similar to: 2872, 3121, Type 131, Type 130



DTI-90

Thread Pitch: M10 x 1.5
Description: 5mm hex key slot, Shortened
Sealing Angle (included): 58°
Similar to: 3727



DTI-58

Description: Long Stem
Sealing Angle (included): 60°
Similar to: 2720, Type 257



DTI-94

Thread Pitch: M10 x 1.5
Description: 5mm hex key slot
Sealing Angle (included): 58°
Similar to Form: 21, 3261, 3688, Type 965



fantomJET™

Most styles also available with Diamond fantomJET™ orifices. See fantomJET™ data sheet for more information.

NEW MATERIAL GRADE tetraCORE™ DIAMOND

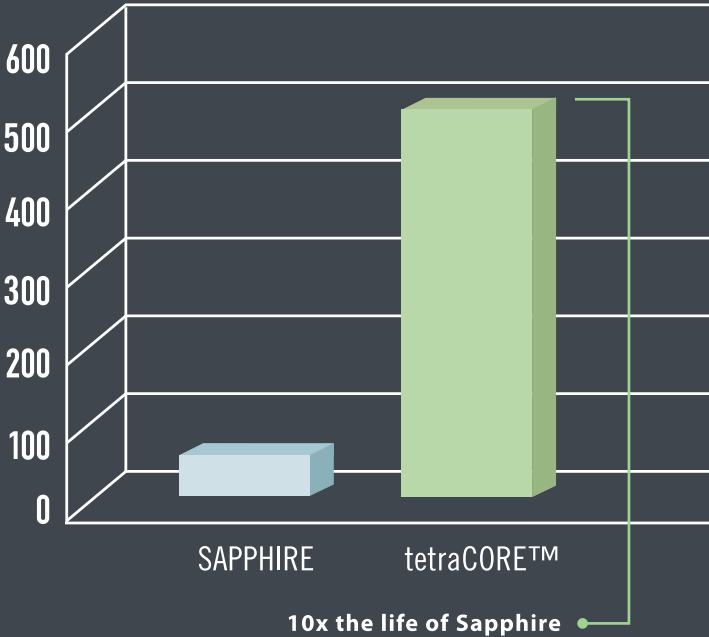
THE AFFORDABLE SAPPHIRE REPLACEMENT, DELIVERING A NEW TIER OF WATERJETTING PERFORMANCE.

Precision engineered to offer ultimate performance consistency, tetraCORE™ is a tetrahedrally bonded diamond that resists erosion, chipping and fracturing to decrease down time, optimize productivity and reduce operating cost. tetraCORE™ approaches the hardness and wear resistance of premium diamond, at an affordable price point, allowing you to go the distance with your production without costly downtime to change out unreliable orifices.

LIFETIME COMPARISON

WHAT DOES YOUR DOWNTIME REALLY COST?

ELAPSED TIME IN HOURS



CUSTOMIZE YOUR ORDER

CHOOSE YOUR ORIFICE, STYLE & SIZE

PART NUMBER CONFIGURATION

XX – XX – XX

ORIFICE TYPE – NOZZLE STYLE – SIZE

TA = tetraCORE™ Orifice

SA = Sapphire Orifice

TA-FJ = fantomJET™ Orifice

PL = Plug, NO ORIFICE

STANDARD ORIFICE SIZES

0.006" - 0.035"

ADDITIONAL SIZES

0.003"-0.005" | 0.036"-0.070"

CUSTOMIZATION

dti™ will work with you to meet your exact waterjet nozzle requirements. Contact us about our custom nozzle options, including:

- Custom designs, orifice sizes and dimensions
- Specialized mount, retainer, and/or orifice materials
- Additional testing options
- Custom packaging, labeling and/or laser marking



dti™ is a manufacturer of waterjet orifices for OEMs and Distributors only. To place an order, contact your waterjet parts supplier or contact us for your nearest authorized dealer.

DIAMOND TECHNOLOGY INNOVATIONS

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