

Hypertherm®

HylIntensity™ Fiber Laser HFL015

Consumables

Nozzles

All of the Hypertherm fiber laser nozzles are designed for robustness and reliability. Chrome plating maximizes durability, reduces spatter adhesion, and affords stable height sensing. All nozzles incorporate a centering feature to allow easy nozzle changes and alignment. Single nozzles are used for thin material, stainless, and aluminum cutting while the dual nozzles improve surface quality on oxygen assisted mild steel cutting. Nozzle diameters range from 1 mm to 3 mm to cover the entire thickness range.



Lenses

Lenses for the HylIntensity Fiber Laser system are made from high-quality fused silica* and coated with an anti-reflection film at the fiber laser wavelength to maximize cutting intensity. Unlike zinc selenide CO₂ optics, the fused silica material can operate at higher temperatures without suffering from thermal runaway while enabling longer life. The fiber laser beam properties allow efficient processing of the material thickness range with a single focal length, eliminating the need for material thickness dependent lens changes.



* Fused silica is not a non-hazardous material

Consumables

Lens

021105 Fiber laser lens – 150 mm EFL / 35 mm OD

Standard nozzles (optimized flow properties for enhanced stainless steel and aluminum cutting)

021096 Fiber laser standard nozzle – 1.0 mm

021097 Fiber laser standard nozzle – 1.2 mm

021098 Fiber laser standard nozzle – 1.5 mm

021099 Fiber laser standard nozzle – 2.0 mm

021100 Fiber laser standard nozzle – 2.5 mm

021101 Fiber laser standard nozzle – 3.0 mm

Dual nozzles (optimized flow properties for enhanced mild steel cutting)

021102 Fiber laser dual nozzle – 1.2 mm

021103 Fiber laser dual nozzle – 1.5 mm

021104 Fiber laser dual nozzle – 2.0 mm

021106 Fiber laser dual nozzle – 2.5 mm

Replacement parts

104516 Fiber laser nozzle adapter

104517 Fiber laser nozzle adapter washer

027991 Fiber laser lens cleaning wipes

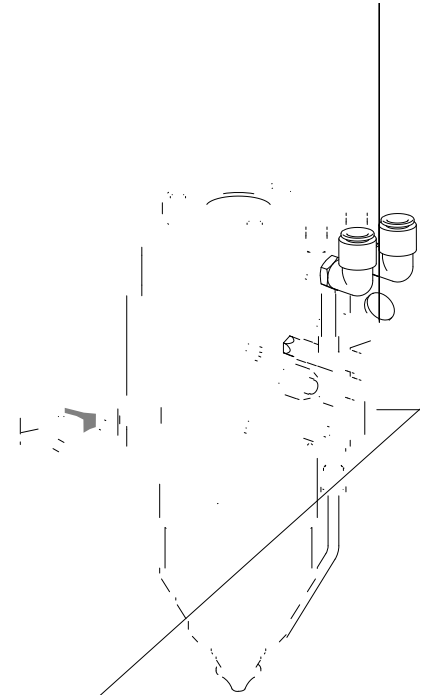
026910 Fiber laser silicon o-ring – 35 mm X 2 mm

127275 Fiber laser seal – 1.875" OD VARISEAL

228615 Fiber laser lens holder assembly – 150 mm EFL – STD

127293 Fiber laser lens spring

104519 Fiber laser lens washer



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