

Product Comparison fibersect.multi.2 & fibersect.single

The Phenix Fiber Optics fibersects are designed to cut all epoxied ferrules and connectors, including the LC and SC using 125 μm fibers, the 4-72 fiber MT ferrules and SMA connectors with fibers up to 4000 μm in diameter. To achieve the best results with a fast cutting time and maximum saw lifetime, two distinct fibersects are now available: the **fibersect.multi.2** and the **fibersect.single**. They both share a new cutting configuration that provides the smoothest cut possible, permitting a closer cut to the ferrule face and producing the ideal surface for polishing. The fibersect.single contains a finer saw, optimized for cutting smaller diameter epoxied fibers, while the fibersect.multi.2 uses a coarser saw best suited for cutting 4-72 fiber MT ferrules and large diameter SMA fibers. Shown below is a side-by-side comparison.



Specifications	fibersect.multi.2	fibersect.single
Cut Cycle Time	< 2 seconds for 12-fiber MT ferrules	< 3 second for LC or SC ferrules
Recommended Adapters	MT, MT-APC, SMA with 300-4000 μm fibers; custom adapters are available	LC, LC-APC, LC-D, SC, SC-APC, ST, FC, FC-APC, MDC, MDC-J, SMA with < 300 μm fibers, and others; custom adapters are available
Adapter Changeover	< 30 seconds	
Options	Connector and Ferrule Adapters, Vacuum Dust Collector, Foot Switch, Cut Counter, Adjustable Stand, Folding Stand	
Maximum Fiber Protrusion	7 mm from face of ferrule before cutting	
Cut Length	Adjustable, 0 - 600 μm from the face of ferrule; 5 μm adjusting resolution	
Recommended Cut Length	100 μm for MT and MT-APC; 150 μm for SMA with > 300 μm fiber diameter	75 μm for LC and SC ferrules; 100 μm for SMA with < 300 μm fiber diameter
Cut Angle	+/- 0.5°	
Warranty	One year	
Expected Saw Lifetime	> 600,000 cuts when cutting 12-fiber MT ferrules	> 700,000 cuts when cutting LC or SC ferrules
Power Supply	110-240 Vac, 50-60 Hz, 0.48 A, with rechargeable battery	
Battery Capacity	> 400 cuts when cutting 12-fiber MT ferrules	> 500 cuts when cutting LC or SC ferrules
Dimensions (W x D x H)	4.25 x 5.75 x 3.17 in / 108 x 146 x 80 mm	
Weight	2 lbs, 0.9 kg	