

User Information: Connector and Ferrule Adapters



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Introduction

The Phenix fibersect.multi® cuts the epoxy and fiber protruding from the face of the ferrule during connector installation. Suitable adapters are available for bare ferrules and for fully assembled connectors. Single and multi-fiber ferrule and connector adapters are discussed below.

Cut Distance Adjustment

The cut distance from the face of the ferrule is adjusted by rotating the Adjusting Ring. A tool is provided that engages the two holes in the ring to facilitate rotation. Adapters are shipped with the cut distance adjusted to ~200 µm. Rotate clockwise to cut closer to the face; rotate counterclockwise to cut further away. Marks along the adapter ring perimeter represent increments of 25 µm. Any distance (0 to 600 µm+) can be set. Always change the cut distance in small steps and under controlled conditions to minimize the chance of cutting into the ferrule. The saw will not be noticeably damaged if the ferrule is accidentally cut, but will wear prematurely if done repeatedly. If the ferrule is cut, adjust the adapter to increase cut length to avoid continued saw wear.

Adapter Orientation Adjustment

After adjusting for cut distance, adjust the rotational orientation of the adapter, as required and described below.

Orientation Required



MT 0°
MT 8°

Use the included Orientation Adjust tool to ensure that the ferrule slot is horizontal with the engraved arrow pointed down.



LC-APC
SC-APC

Insert a connector and use it to rotate the adapter until the connector's latch is up.



LC-D

Rotate the adapter until one connector is directly above the other with their latches pointed to the right.



FC-APC

Insert a connector and use it to rotate the adapter until the key slot is pointing up.



MDC
MDC-J

Use the adapter extension to rotate the adapter so the ferrule holes are horizontal with the extension below the ferrule holes.

