

RPO SimpleCleave for 200/230µm and 62.5/200/230µm PCF-Fiber suitable for F-SMA, F-ST or SC Connectors and M12 Pin Contacts

1 General

The **RPO-SimpleCleave** has been developed for the fiber end face processing of F-SMA, F-ST, SC and M12 Pin Contacts used for 200/230µm PCF fiber. Please note that this tool is only useable for fiber optic connectors where the fiber is not glued and for connectors without grinding scrap.

During end face processing the fiber is exposed to a well-defined tension force prior cleaving the fiber at the top of the connector. The fiber breaks automatically at the cleaving area becoming a plane fracture. For this reason further end face processing is not necessary.

This unique functionality of the RPO-SimpleCleave guarantees reproducible results of the fiber end surface processing when handled properly.

By using connectors with planar ceramic ferrules, an improved fracture pattern with less scattering can be achieved.



Pic. 1 RPO-SimpleCleave

2 Ordering Information

Type	Order number
for	
F-SMA Connectors	9WFW0230USMXX0000-01
F-ST Connectors	9WFW0230UST000000-01
SC Connectors	9WFW0230USCSX0000-01
M12 Pin Contacts	9WFW0230UM12S0000-01



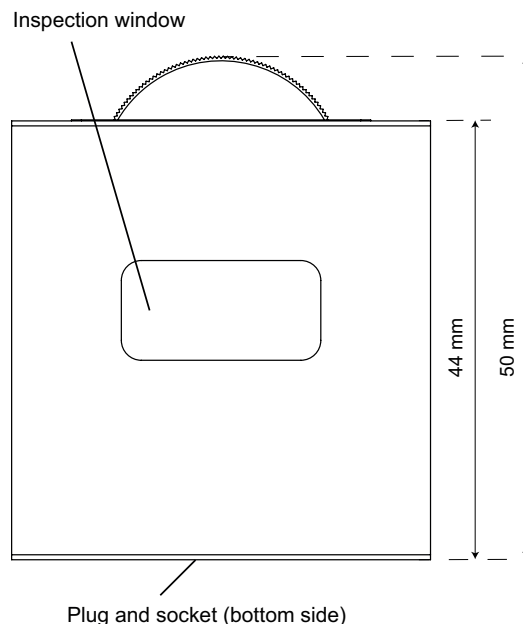
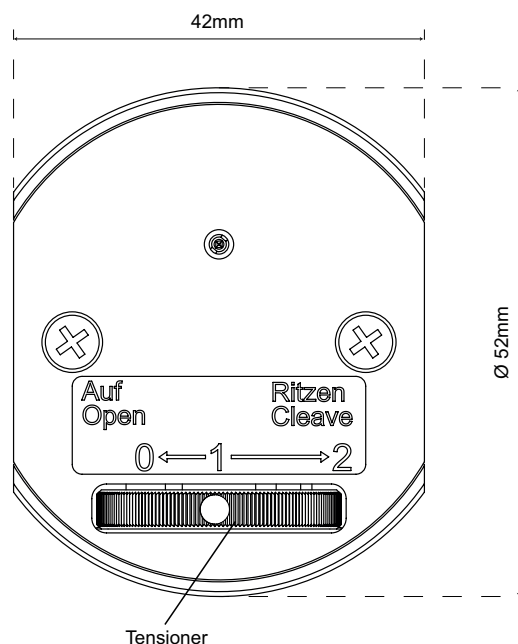
Pic. 2 RPO-SimpleCleave F-ST connector port

RPO SimpleCleave for 200/230µm and 62.5/200/230µm PCF-Fiber suitable for F-SMA, F-ST or SC Connectors and M12 Pin Contacts

3 Operation

Kindly note that before using the fiber cleaving tool the fiber itself protrudes min. 40mm out of the top of the connector.

- move the fiber tensioner in position 'Open'
- insert the connector with protruding fiber carefully into connector receptacle at the bottom side of the **RPO-SimpleCleave**
- the insertion procedure can be observed through the inspection window at the front side of the tool
- after insertion procedure be sure that the fiber is protruding out of the center hole of the fiber tensioner
- fix the connector cautious
- the fiber is cleaved by slowly (>2s) turning the fiber cleaver from position '0' (Open) across position '1' to position '2' (Cleave) Kindly note that during rotation of fiber cleaver any quick or jerking movement has to be avoided
- remove the connector from receptacle
- open then fiber tensioner and remove all fiber rests
- inspect the fiber end face by using a suitable microscope



Pic. 3 Dimensions

4 Technical Data

Suitable fibers:	200/230µm PCF (IEC 60793-2-30 A3)
Suitable connectors	F-SMA (IEC 61754-22), F-ST (IEC 61754-2), SC (IEC 61754-4), M12 Pin contacts (IEC 61754-27)
Weight:	185g
Dimensions:	42 x 52 x 50 mm (W x D x H)
Material:	Aluminium, brass, stainless steel, German silver

The information released by Ratioplast-Optoelectronics GmbH in this data sheet is believed to be accurate and reliable. However, no responsibility is assumed by Ratioplast-Optoelectronics GmbH for its use. Ratioplast-Optoelectronics GmbH reserves the right to change circuitry and specifications at any time without notification to the customer.