

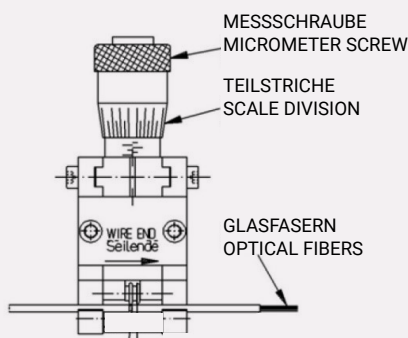
Tube Cutter - TC1.0-4.5 OF

General Datasheet

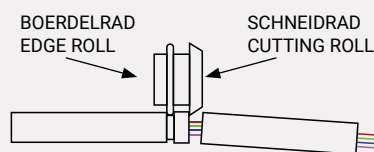
This Tube Cutter is utilized to expose the sensitive optical fibers in a stainless-steel tube with an outer diameter from 1.00 mm (0.039") up to 4.50 mm (0.177"). The advantage of this cutting method is not only to securely crack the metal tube, but also creating a protective groove in the tube for protection of the fiber against potential burr on the cut tube and prevent potential fiber damage during normal operational handling.



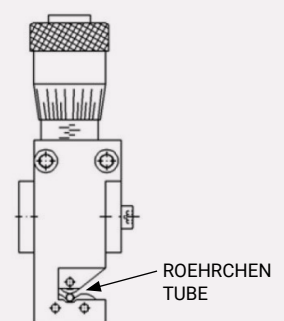
Front view



Cutting detail



Side view



Tube cutter

Handling Instructions

1. Put the tube cutter on the FIMT position, where you want to cut the tube.
2. Turn the micrometer screw until the edged roll is touching the tube.
3. Turn the micrometer screw another 1 to 2 scale divisions in the contracting direction.
4. Rotate the tube cutter 2 to 3 times around the steel tube with the same contraction.
5. Repeat the process of point 3. until the tube is separated.
6. Carefully remove the cut section of the tube and prepare the optical fibers for further handling.