

**mikroglas chemtech GmbH**  
 Galileo-Galilei-Str. 28  
 55129 Mainz, Germany  
 Phone: +49-6131/55550-66  
 Fax: +49-6131/55550-62  
 E-Mail: m.haefner@mikroglas.com  
 Internet: www.mikroglas.com

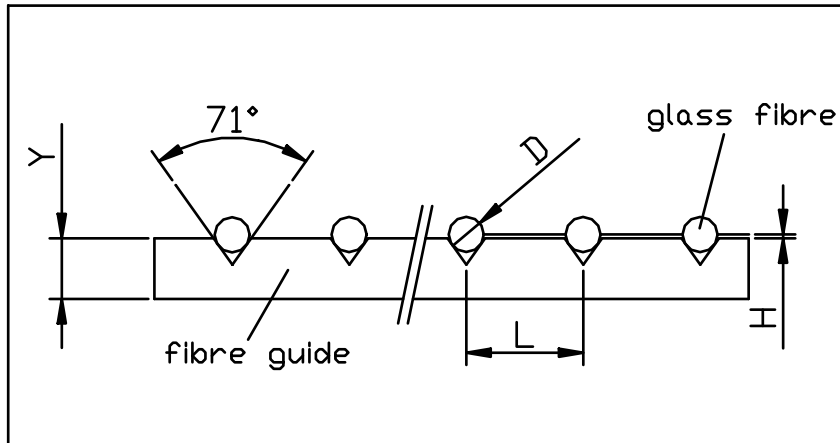
## Technical Data Sheet

# Glass Fibre Guide



**mikroglas chemtech GmbH** develops and produces microtechnological products made of glass, e.g. glass fibre guides made of silicon or glass depending on its purpose.

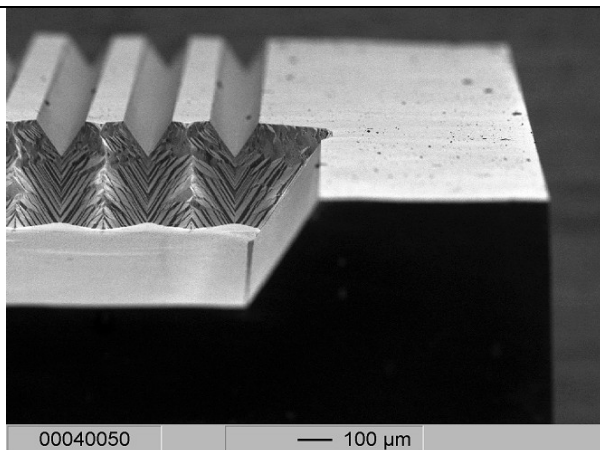
The fall illustrated bellow shows a glass fibre guide made of silicon as produced and sold by **mikroglas**.



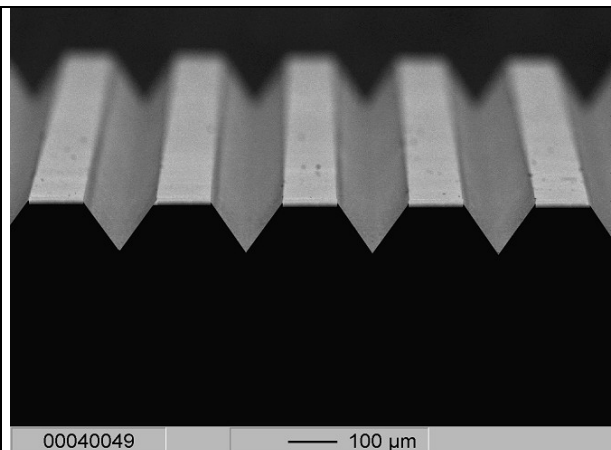
### Specification

D : Glass Fibre Diameter	0.125 mm	Size of Ground Plate	length:	12.000 mm
L : Fibre Spacing / Grooves	0.250 +/- 0.025 mm	V-Grooves	width:	14.550 mm
Y : Thickness of Guide	0.675 +/- 0.025 mm		length :	7.000 mm
H : Height of Glass Fibre	0.010 mm	Strain Relief Area	upper width:	0.139 +/- 0.011 mm
			length:	5.000 mm
			width:	13.250 mm
			depth:	0.150 mm

Due to the crystal orientation of the silicon V-grooves with an exactly specified angle can be produced. A constant etching rate leads to very little deflection in measurement because of the accurate adjustment of the glass fibre.



- Detail view of glass fibre guide with strain relief area



- Front view of guide