

## Customization - GRIN Fiber Assemblies

### Applications:

- Focussing Probes
- Collimators
- Fiber Coupling
- Fiber optical sensors

In addition to our standard products, GRINTECH offers fiber systems according to customer specifications. Please ask us and let us know your requirements as detailed as possible (the closer we know your specifications the better we can advise you).

For the optical and mechanical design and the quotation we need at least the following information:

**Fiber type:**

for example: single mode, polarization maintaining, multimode, or special fiber  
please specify operating wavelength (for SM, PM), core size (for MM)

**Fiber length:**

**Connector:**

FC/PC, FC/APC or other (please specify)

**Design wavelength:**

**Diameter of the optical components:**

0.5, 1.0 or 1.8 mm

**Housing of the optical part:**

none or stainless steel tube (please specify outer diameter and length of tubing)

**Focusing probe:**

please specify working distance / Spot size (diameter @  $1/e^2$ )

**Collimating probe:**

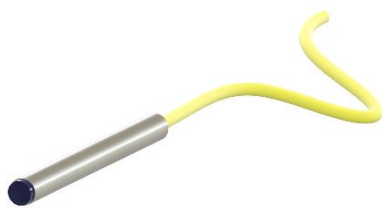
please specify beam diameter (@  $1/e^2$ )

**Others:**

For example: prism for side firing, 8° angled facet for reducing back reflections, AR coating, ...

**Quantity:**

### Typical configurations:



GRIN-Lens Ø 1.80 mm  
Stainless Steel Tube Ø 2.00 mm  
Fiber



GRIN-Lens Ø 1.00 mm / Prism 1.00 mm  
Stainless Steel Tube Ø 1.20 mm  
Fiber



GRIN-Lens Ø 1.00 mm / Prism 1.00 mm  
Stainless Steel Tube Front Ø 1.20 mm  
Stainless Steel Tube Back  
Fiber