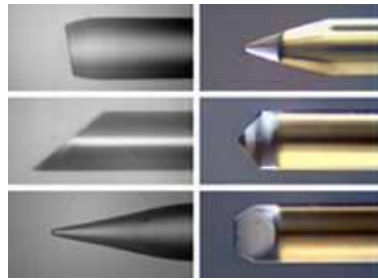


## Wedged Cylindrical Lensed Fiber

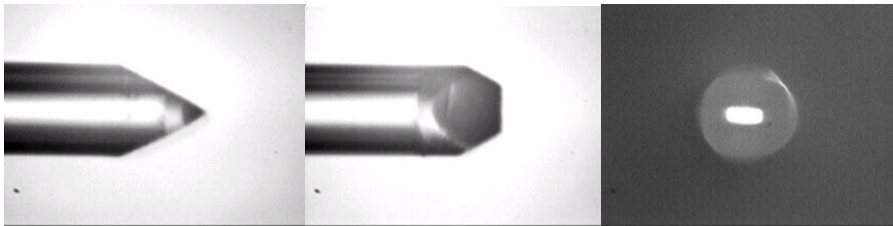
**Application:** Coupling for 980nm pump laser to fiber.

**Feature:** Coupling for fiber to elliptical spot of laser with over 70% coupling efficiency.

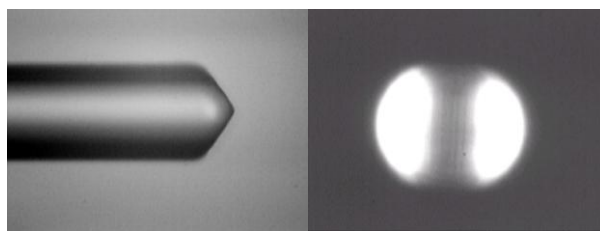


### Wedged Cylindrical Lensed SM Fiber

**Cone Angle 50~55°, Lens Radius  $r=4\sim5\mu\text{m}$**



**Cone Angle  $112\pm 2^\circ$ , Lens Radius  $r=16\pm 1\mu\text{m}$**



### Ordering information



Rayscience Optoelectronic Innovation  
Tel: 86 21 64600964 Fax: 86 21 64600974  
Mail: sales@rayscience.com

Parameters	
Fiber Type	SM/MM Fiber HI1060 Fiber Custom require or offer special type
Cone Angle	50~55°(Std) 112±2°or Custom size (50~90°)±2°
Lens Radius r	4~5µm(Std)or Custom require±1µm
A Bare glass length	0.2~0.4mm(Std), or Custom require±0.2mm
B Metalized length	Custom require±0.5mm
C Bare glass length	0mm(Std), or Custom require±0.5mm
D Stripped overall length	Custom require±0.5mm
Fiber overall length	Custom require+0.5m
Nickel plating thickness	2~3µm(Std) 1~10µm(Custom require)
Gold plating thickness	0.1~0.2µm
Metal coating pull strength	>10N
Operating temperature	-40~+85°C
Recommended soldering temperature	280~300°C
Recommended solder	80%Au/20%Sn
Fiber end coating	Custom require, Attachment: AR Coating Figures
Connector type	Custom require

