Fiber Sensor (Unit) / Lenses for Fiber Units
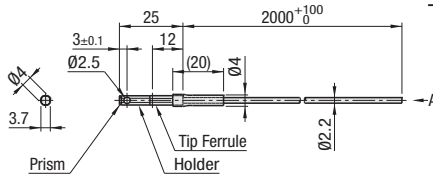
Cylinder, Narrow View Type　　　Through Beam / Reflective Type

■Set screw mount type. Narrow opening angle enables detection of smaller workpieces.
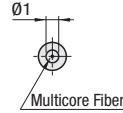
■Cylinder, Narrow View

MFUCD-T1 (Side View)

RoHS 10

Type	Material			Accessory
	Fiber	Head	Holder	
MFUCD-T1	PMMA	SUS303	PC	Fiber Cutter, Adapter

Arrow View A

Multicore Fiber

Part Number	Detection Method	Type	Fiber Dim.	Bending Radius (mm)	Detection Distance (mm)							Using MFAT	Unit Price	Volume Discount Rate
					Fiberoptic Sensor MFAD Series Used with the Following Modes								1 ~ 5 pc(s).	6 ~ 10 pcs.
					1-HS	2-FS	3-ST	4-LG	5-PL	6-UL	7-EL			
MFUCD-T1	Through Beam Type	Ø5	Ø0.075x151	R1	520	1500	2100	3300	3600	3600	3600	1000		

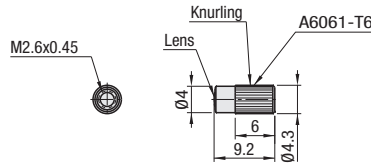For orders larger than indicated quantity, please check with WOS.

Ordering Example | Part Number
MFUCD-T1

■Install at the tip of a fiber unit (screw mount). Through Beam Type is for the long-distance detection, while Reflective Type for the small spot detection.
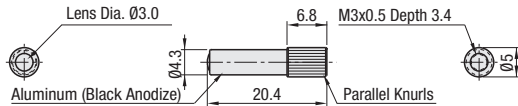
■Lenses for Fiber Units
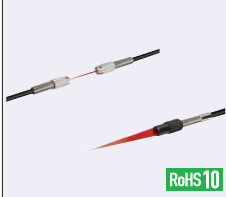
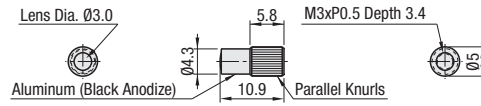**MFUL-T1** (For Through Beam Type)

M2.6x0.45
Knurling
Lens
A6061-T6

RoHS 10

MFUL-D1 (For Reflective Type)

Lens Dia. Ø3.0
Aluminum (Black Anodize)
M3x0.5 Depth 3.4
Parallel Knurls
6.8　20.4

MFUL-D2 (For Reflective Type)

Lens Dia. Ø3.0
Aluminum (Black Anodize)
M3xP0.5 Depth 3.4
Parallel Knurls
5.8　10.9

Type	Material	
	Housing	Lens
MFUL-T1	C3604BD	Glass
MFUL-D1　MFUL-D2	Aluminum	Glass

■Through Beam Type Lenses

Part Number	Detection Method	Applicable Part Number	Service Ambient Temperature	Detection Distance (mm) Using Fiberoptic Sensor MFAD Series							Unit Price	Volume Discount Rate
				1-HS	2-FS	3-ST	4-LG	5-PL	6-UL	7-EL	1 ~ 5 pc(s).	6 ~ 10 pcs.
MFUL-T1	Through Beam Type	MFUSM-T1	-40~350°C	360	2000	4000	4000	4000	4000	4000		
		MFUSM-T2		1200	4000	4000	4000	4000	4000	4000		

■Retroreflective Type Lenses

Part Number	Detection Method	Applicable Part Number	Service Ambient Temperature	Spot Dia.	Center Detection Distance	Unit Price	Volume Discount Rate
						1 ~ 5 pc(s).	6 ~ 10 pcs.
MFUL-D1	Retroreflective Type	MFUSM-D1	-40~70°C	0.4mm	6mm		
		MFUSM-D6		0.2mm			
MFUL-D2		MFUSM-D1	-40~70°C	1.4mm	15mm		
		MFUSM-D6		1.2mm			

For orders larger than indicated quantity, please check with WOS.

Ordering Example | Part Number
MFUL-T1

■Retroreflective Type Lenses assure small workpiece detection

Spot Dia. Ø0.2mm is achieved by combining a micro spot lens MFUL-D1 and a coaxial reflection fiber unit MFUSM-D6. Never fail to detect small workpieces.

■Speed and Distance both available using Through Beam Type Lenses

Through Beam Type Lenses enable the long-distance detection without decreasing the response speed.

Effects on detection distance with lens installed

MFUSM-T1 (Lens Not Installed)　MFUSM-T1 (Lens Installed)　MFUSM-T2 (Lens Not Installed)　MFUSM-T2 (Lens Installed)