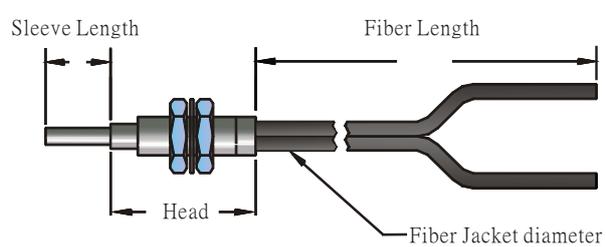
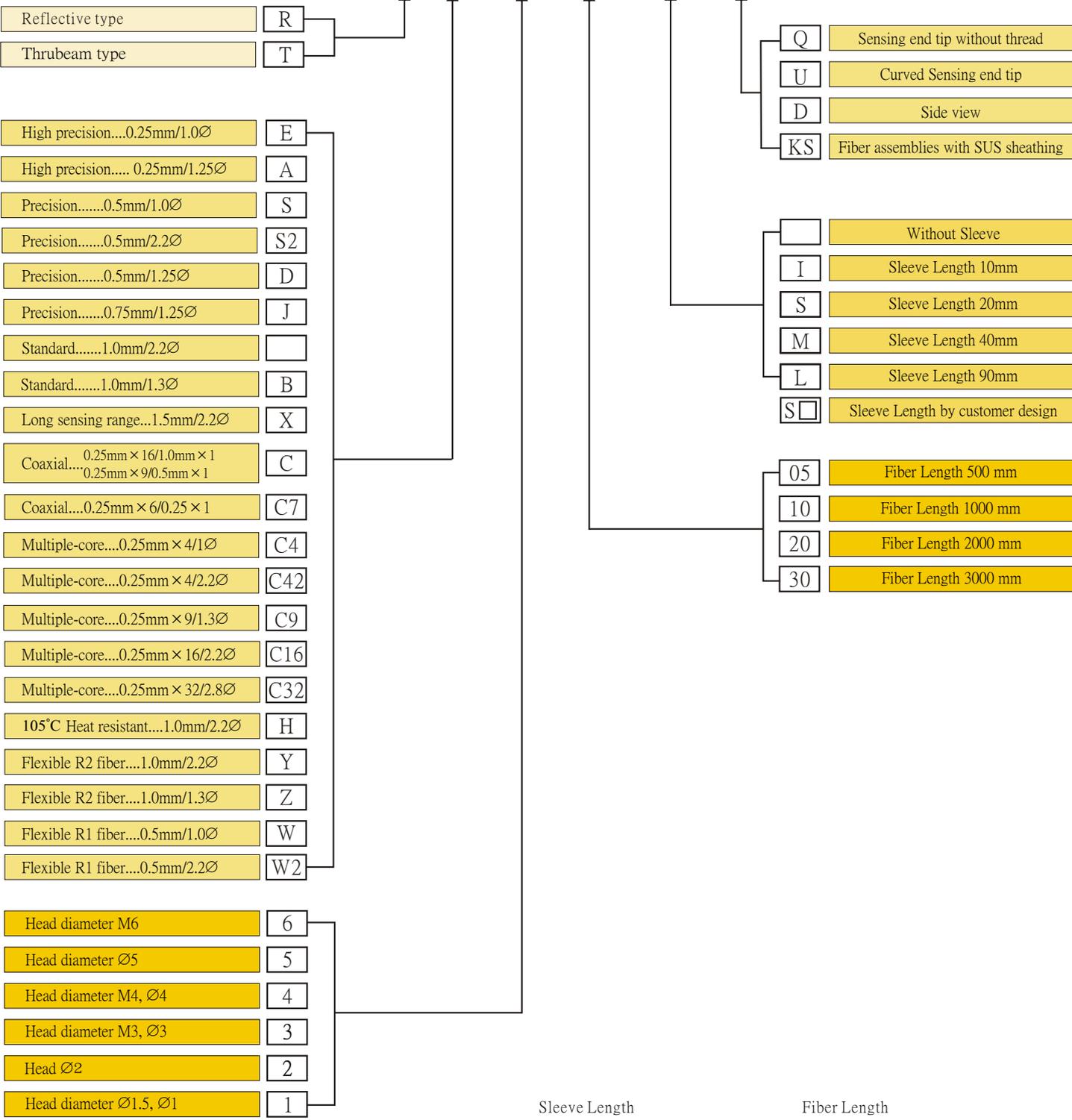


◆ **Order Information :**

FR - 6 10 - -

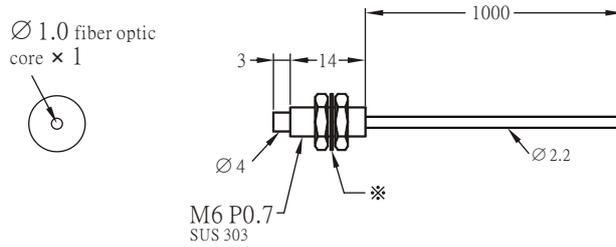


# Thrubeam M6 Type

# RIKO M6

## FT-610

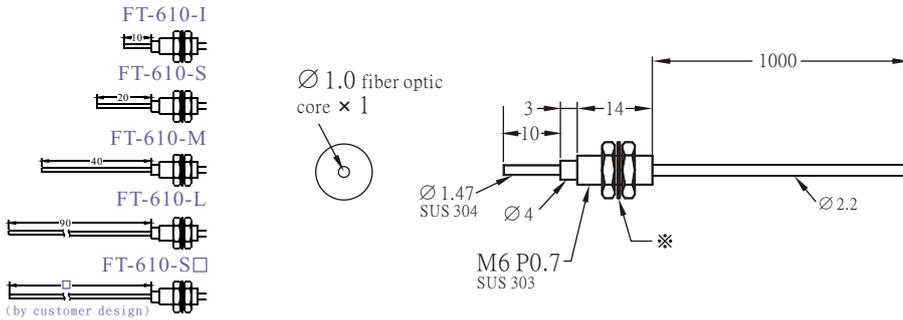
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-610-I

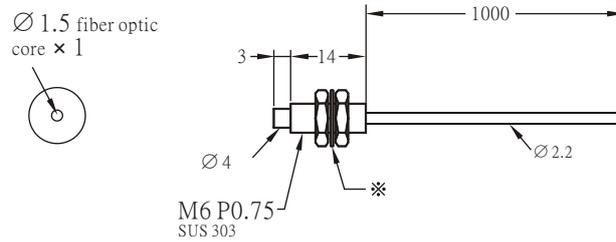
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FTX-610

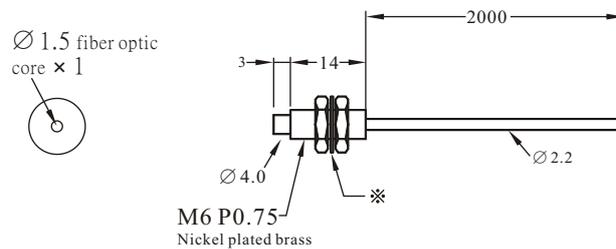
Free cut



Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D Ø2.2 d Ø1.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

## FTX-620-6F

Free cut

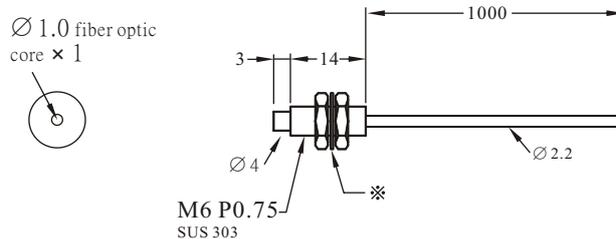


Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D Ø2.2 d Ø1.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

## FTY-610

Free cut

Minimum bend radius R2



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

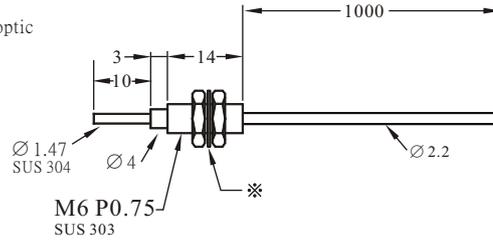
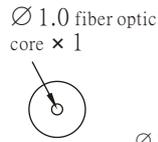
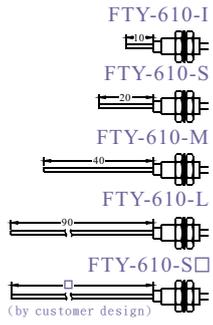
※ Washer toothed lock Ø11;  
Nuts width across flats 10 mm, thickness 2.5 mm

# Thrubeam M6 Type



FTY-610-I

Free cut Minimum bend radius R2



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

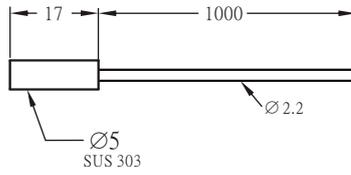
※ Washer toothed lock Ø11;  
Nuts width across flats 10 mm, thickness 2.5 mm

# Thrubeam $\varnothing 5$ Type

## FT-510

Free cut

$\varnothing 1.0$  fiber optic core  $\times 1$



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-510-I

Free cut

FT-510-I



FT-510-S



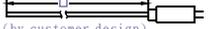
FT-510-M



FT-510-L

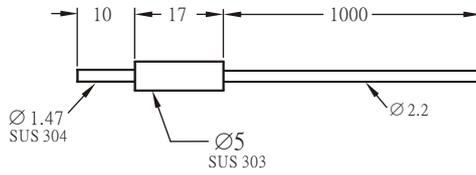


FT-510-S□



(by customer design)

$\varnothing 1.0$  fiber optic core  $\times 1$

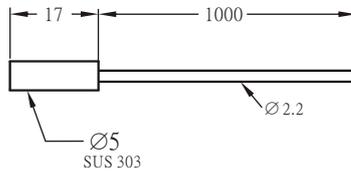


Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FTX-510

Free cut

$\varnothing 1.5$  fiber optic core  $\times 1$



Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

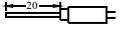
## FTX-510-I

Free cut

FTX-510-I



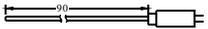
FTX-510-S



FTX-510-M



FTX-510-L

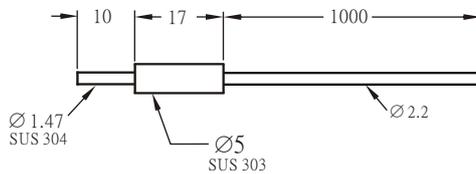


FTX-510-S□



(by customer design)

$\varnothing 1.5$  fiber optic core  $\times 1$

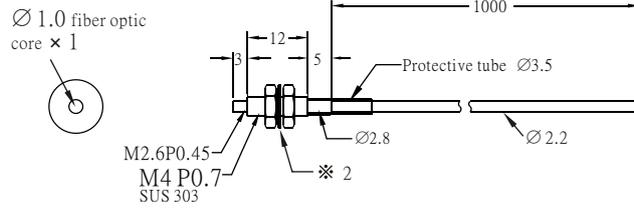


Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

# Thrubeam M4 Type

## FT-410

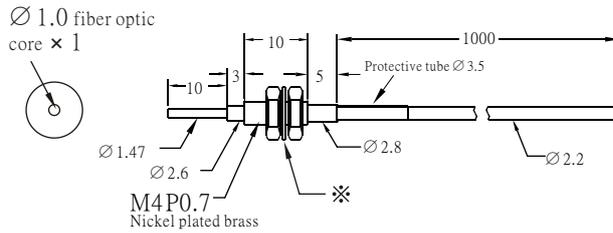
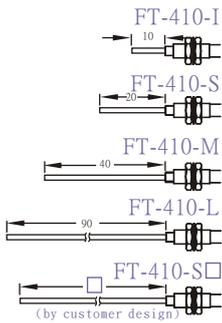
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

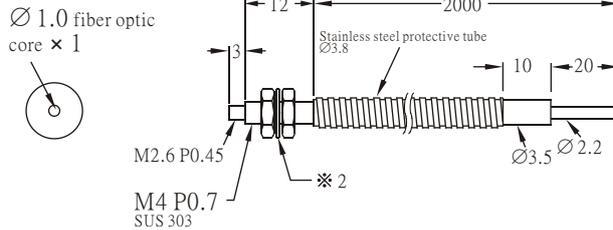
## FT-410-I

Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

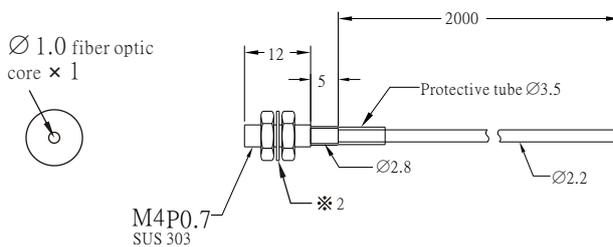
## FT-420-KS26



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-420-F

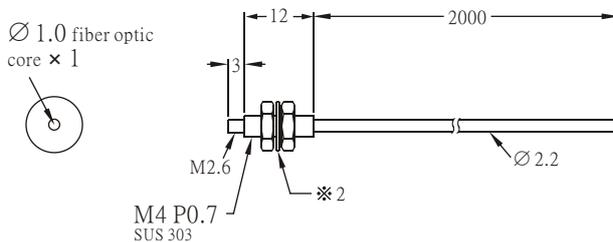
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-420-F1

Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

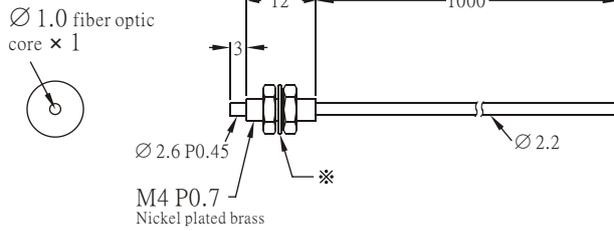
※ Washer toothed lock Ø 8.3;  
Nuts width across flats 8 mm, thickness 2.3 mm

# Thrubeam M4 Type

# RIKO M4

## FT-410-6F

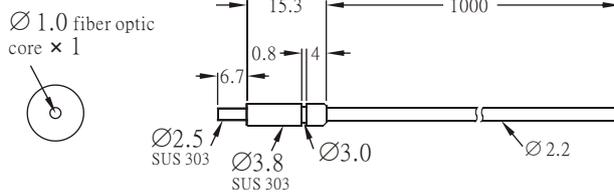
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-410-38G

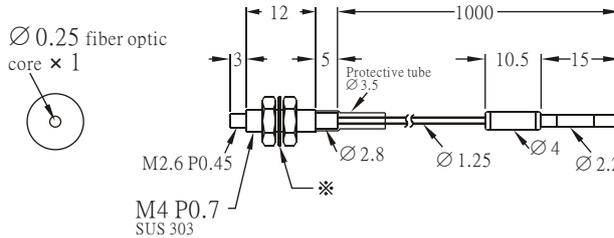
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FTA-410

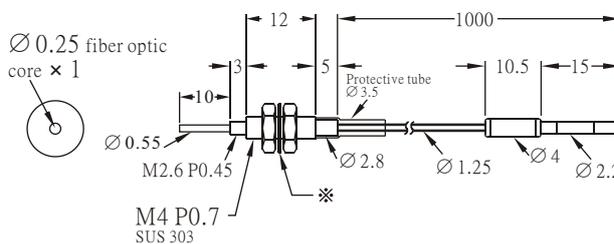
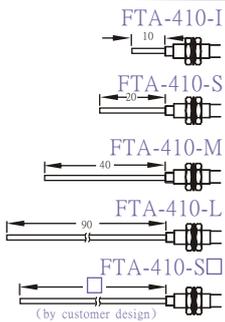
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTA-410-I

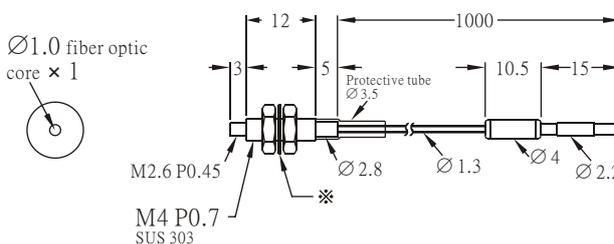
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTB-410

Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 1.3$ d $\varnothing 1.0$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	400mm

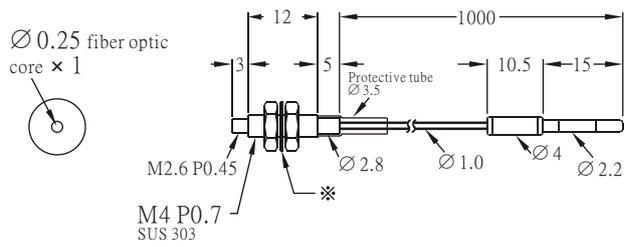
※ Washer toothed lock  $\varnothing 8.3$ ;  
 Nuts width across flats 8 mm, thickness 2.3 mm

# Thrubeam M4 Type

# RIKO M4

## FTE-410

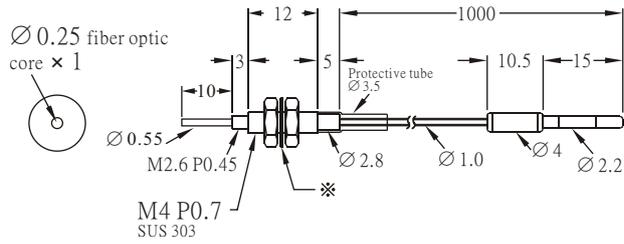
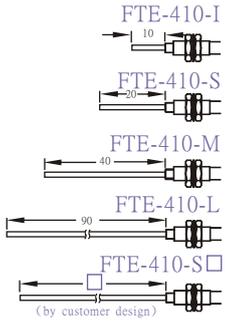
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing$ 1.0 d $\varnothing$ 0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTE-410-I

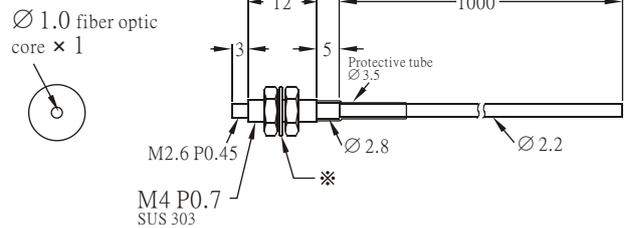
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing$ 1.0 d $\varnothing$ 0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTH-410

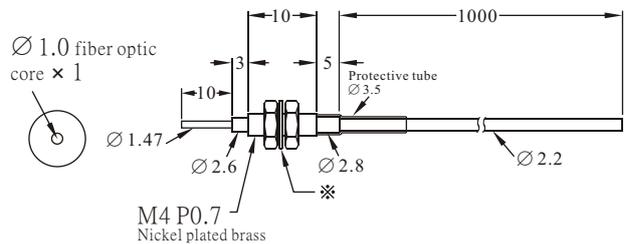
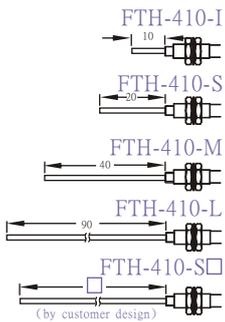
Free cut



Fiber material	Plastic
Fiber Type	Heat Resistant
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.0
Operate temperature	-55°C ~ +105°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	600mm

## FTH-410-I

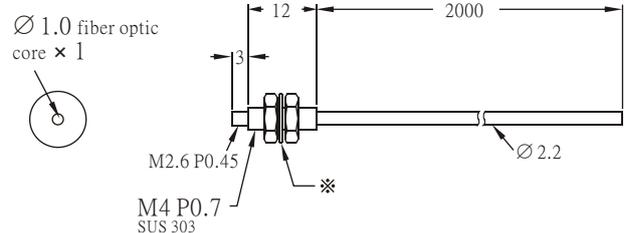
Free cut



Fiber material	Plastic
Fiber Type	Heat Resistant
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.0
Operate temperature	-55°C ~ +105°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	600mm

## FTH-420-F1

Free cut



Fiber material	Plastic
Fiber Type	Heat Resistant
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.0
Operate temperature	-55°C ~ +105°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	600mm

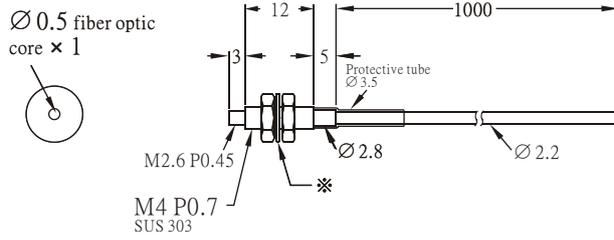
※ Washer toothed lock  $\varnothing$  8.3;  
Nuts width across flats 8 mm, thickness 2.3 mm

# Thrubeam M4 Type

# RIKO M4

## FTS2-410

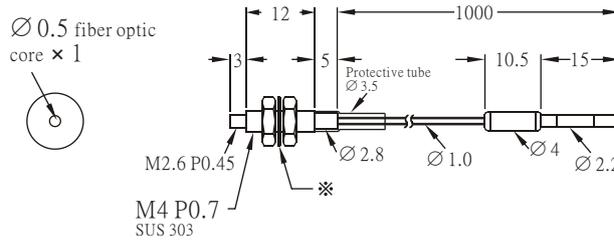
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D Ø2.2 d Ø0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS-410

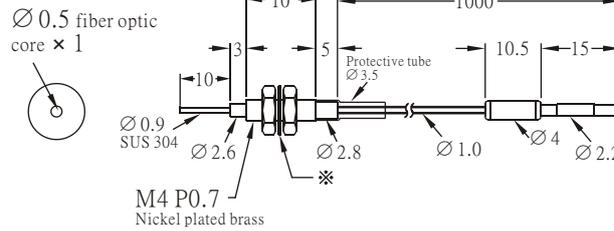
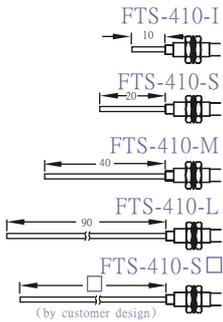
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D Ø1.0 d Ø0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS-410-I

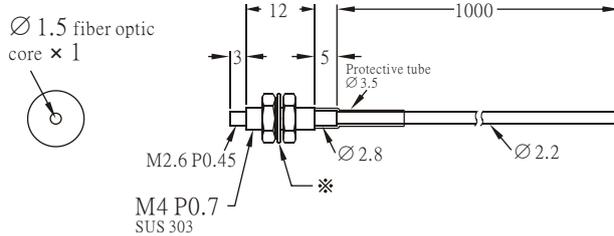
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D Ø1.0 d Ø0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTX-410

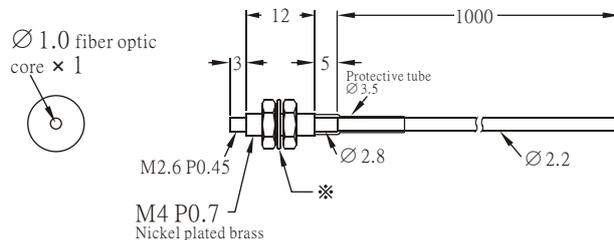
Free cut



Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D Ø2.2 d Ø1.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

## FTY-410

Free cut



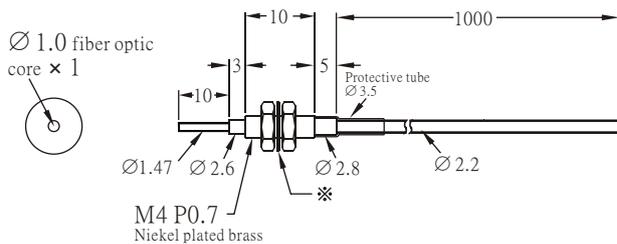
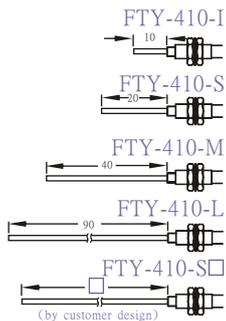
Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

※ Washer toothed lock Ø8.3;  
Nuts width across flats 8 mm, thickness 2.3 mm

# Thrubeam M4 Type

## FTY-410-I

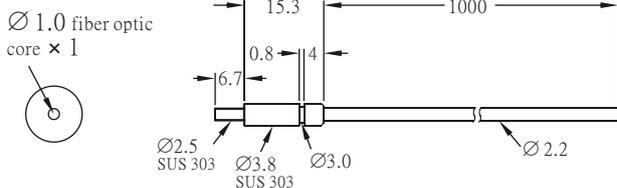
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

## FTY-410-38G

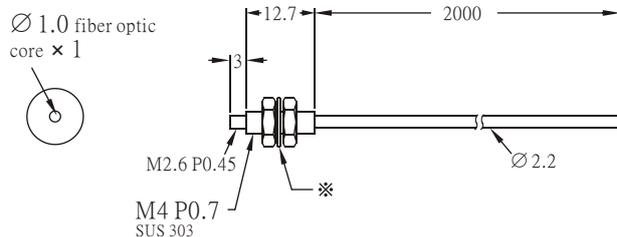
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

## FTY-420-F1

Free cut



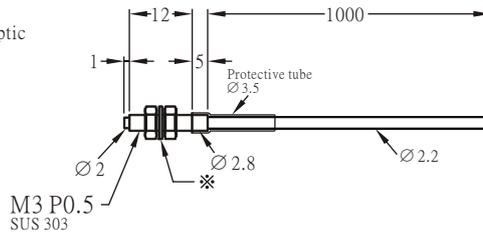
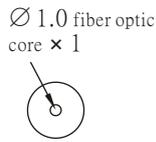
Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

※ Washer toothed lock Ø 8.3;  
Nuts width across flats 8 mm, thickness 2.3 mm

# Thrubeam $\varnothing 3/M3$ Type

## FT-310

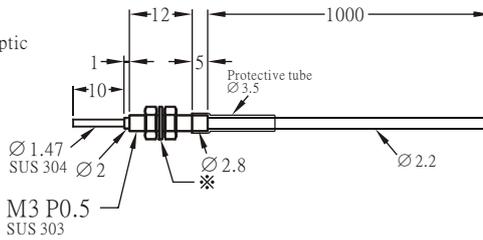
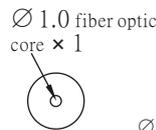
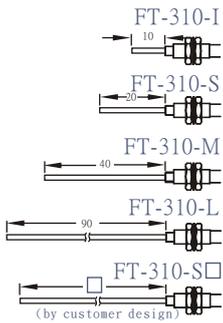
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-310-I

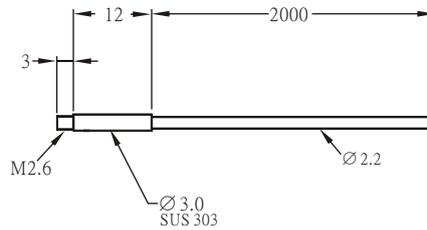
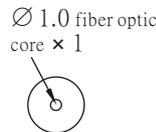
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-320-T004

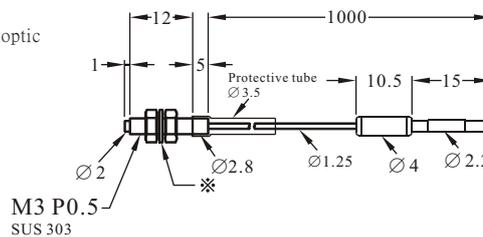
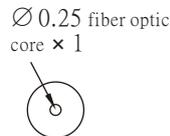
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FTA-310

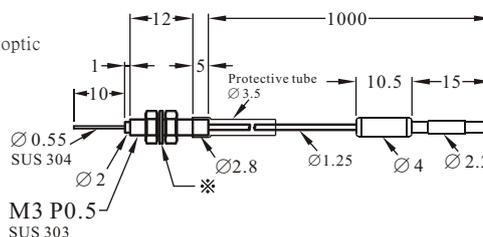
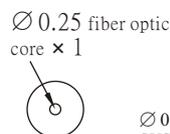
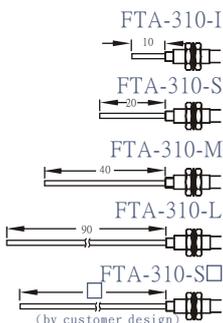
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTA-310-I

Free cut



※ Washer toothed lock  $\varnothing 6.4$ ;  
Nuts width across flats 5 mm, thickness 2.2 mm

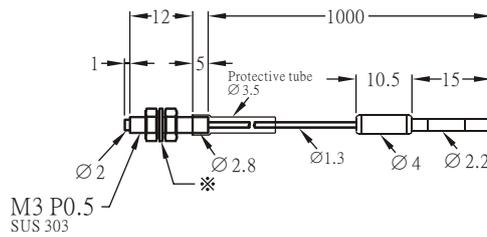
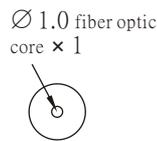
Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

# Thrubeam M3 Type



## FTB-310

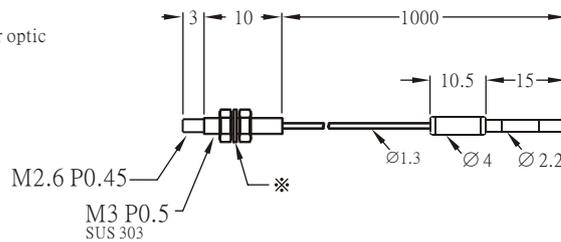
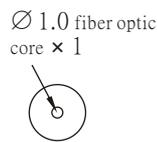
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø1.3 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	400mm

## FTB-310-T80

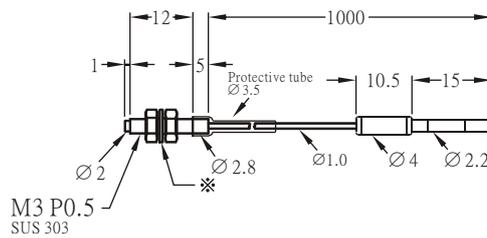
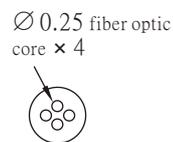
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D Ø1.3 d Ø1.0
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	400mm

## FTC4-310

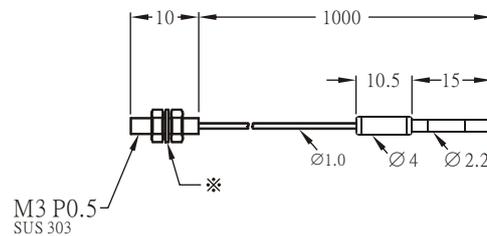
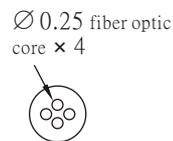
Free cut



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter	D Ø1.0mm x1 d Ø0.25mmx4
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	100mm

## FTC4-310-H10(79)

Free cut



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter	D Ø1.0mm x1 d Ø0.25mmx4
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	100mm

※ Washer toothed lock Ø6.4;  
Nuts width across flats 5 mm, thickness 2.2 mm

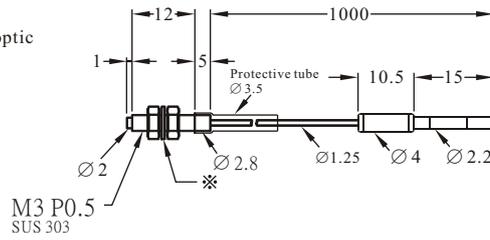
# Thrubeam M3 Type



## FTD-310

Free cut

Ø 0.5 fiber optic core × 1

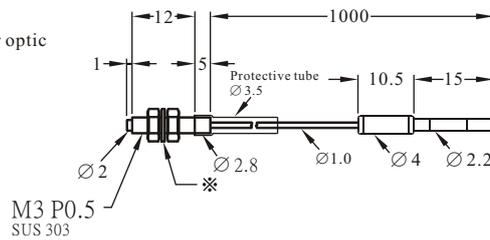


Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D d
	Ø1.25 Ø0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTE-310

Free cut

Ø 0.25 fiber optic core × 1



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D d
	Ø1.0 Ø0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTE-310-I

Free cut

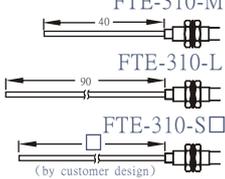
FTE-310-I

FTE-310-S

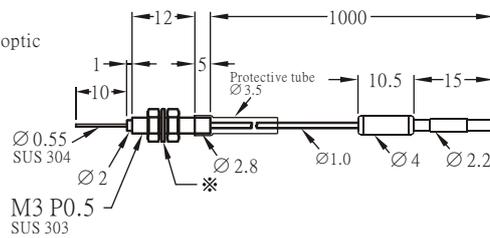
FTE-310-M

FTE-310-L

FTE-310-S□



Ø 0.25 fiber optic core × 1

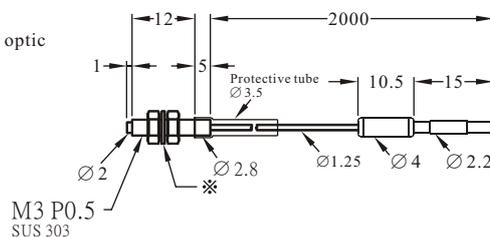


Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D d
	Ø1.0 Ø0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTJ-320

Free cut

Ø 0.75 fiber optic core × 1

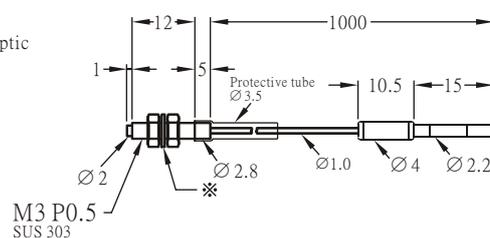


Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D d
	Ø1.25 Ø0.75
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	250mm

## FTS-310

Free cut

Ø 0.5 fiber optic core × 1



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D d
	Ø1.0 Ø0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

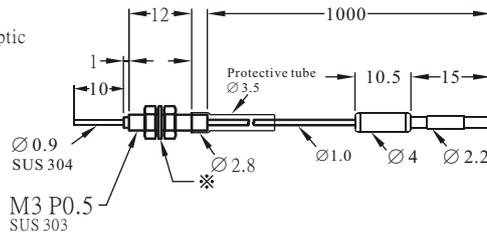
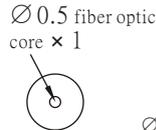
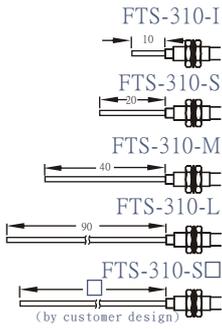
※ Washer toothed lock Ø6.4;  
Nuts width across flats 5 mm, thickness 2.2 mm

# Thrubeam M3 Type



## FTS-310-I

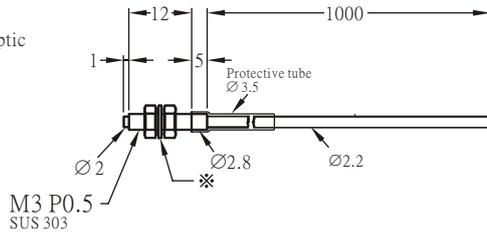
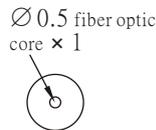
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing$ 1.0 d $\varnothing$ 0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS2-310

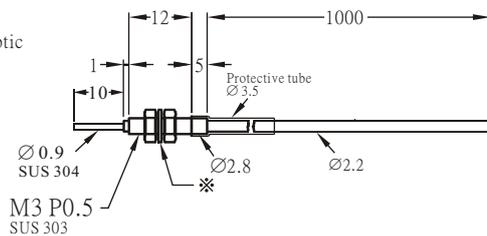
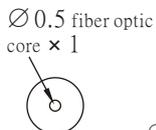
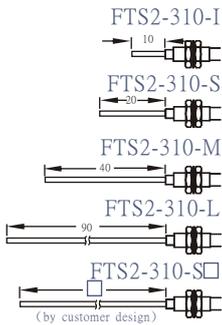
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS2-310-I

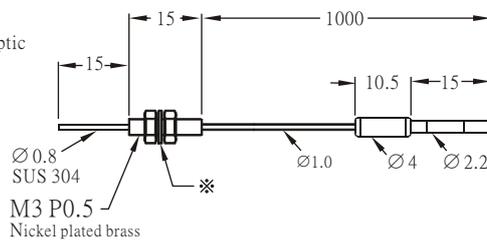
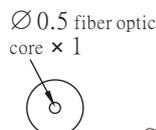
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS-310-75F

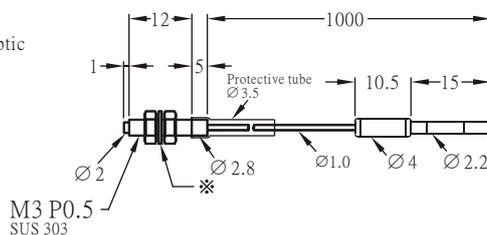
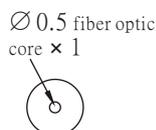
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing$ 1.0 d $\varnothing$ 0.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTW-310

Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing$ 1.0 d $\varnothing$ 0.5
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

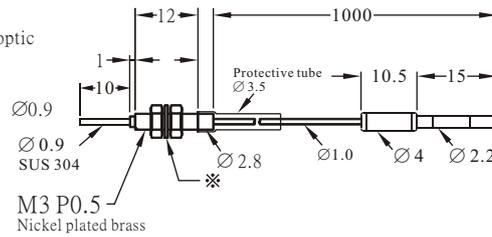
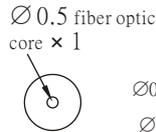
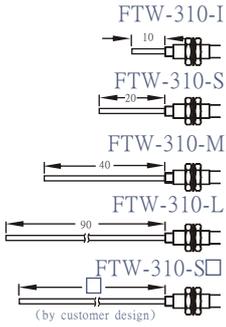
※ Washer toothed lock  $\varnothing$ 6.4;  
Nuts width across flats 5 mm, thickness 2.2 mm

# Thrubeam M3 Type



## FTW-310-I

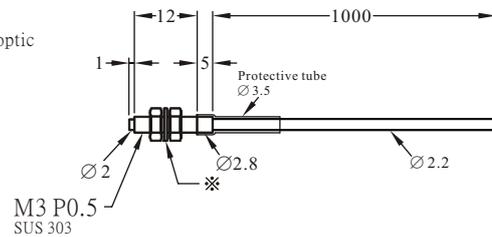
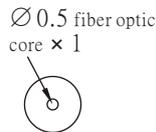
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø1.0 d Ø0.5
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

## FTW2-310

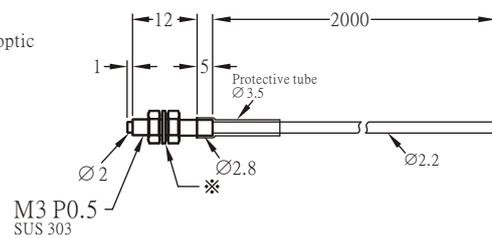
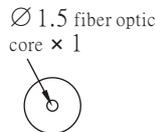
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø0.5
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

## FTX-320

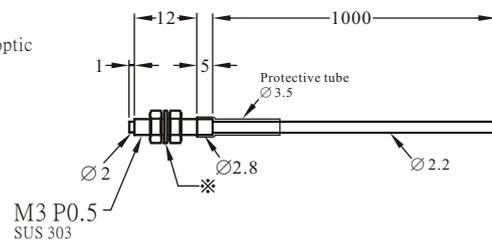
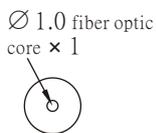
Free cut



Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D Ø2.2 d Ø1.5
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

## FTY-310

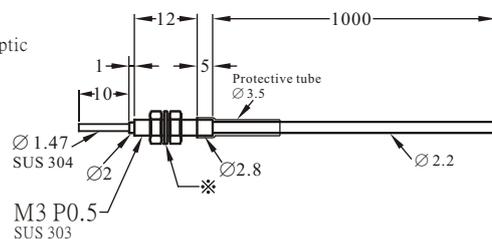
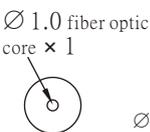
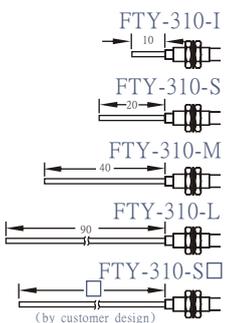
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

## FTY-310-I

Free cut



※ Washer toothed lock Ø6.4;  
Nuts width across flats 5 mm, thickness 2.2 mm

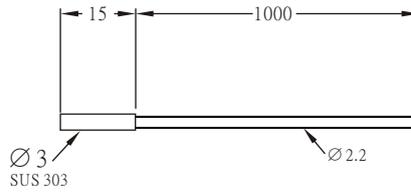
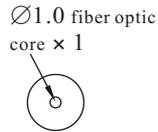
Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D Ø2.2 d Ø1.0
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

# Thrubeam $\varnothing 3$ Type



## FT-310-Q

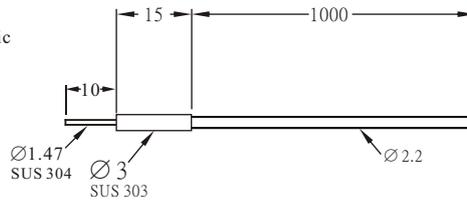
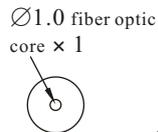
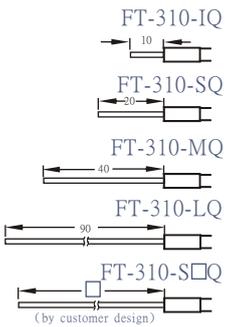
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-310-IQ

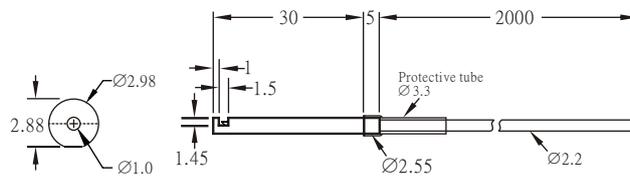
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-320-D-T14L

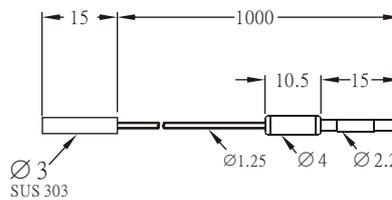
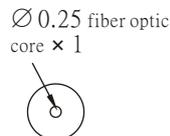
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	600mm

## FTA-310-Q

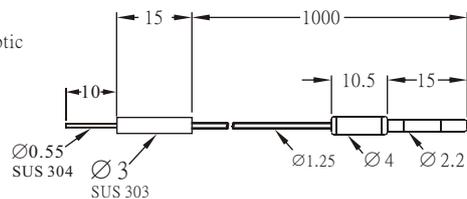
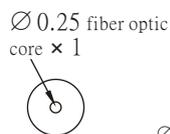
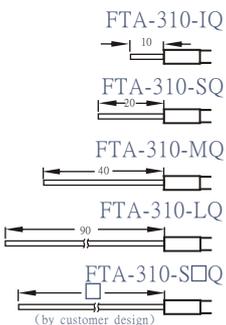
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTA-310-IQ

Free cut

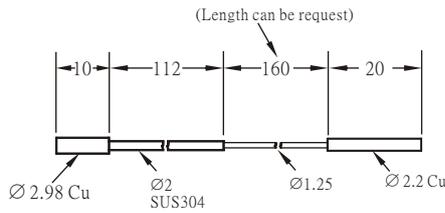
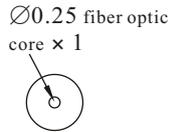


Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

# Thrubeam Ø3 Type



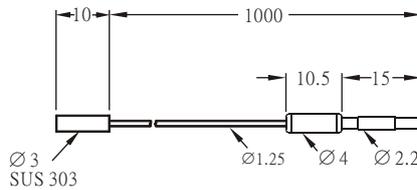
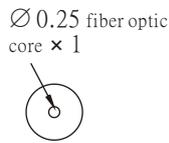
## FTA-11(280/600/1300/2100)



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D d
	Ø1.25 Ø0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTA-310-H10Q

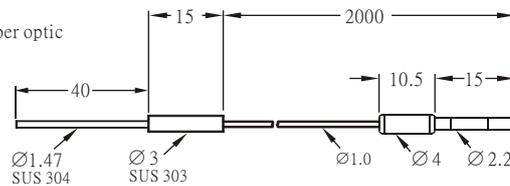
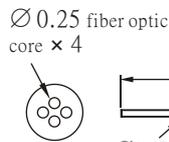
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D d
	Ø1.25 Ø0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTC4-320-MQ

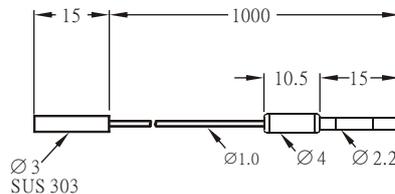
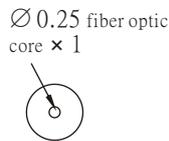
Free cut



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter	D d
	Ø1.0mm x1 Ø0.25mmx4
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	100mm

## FTE-310-Q

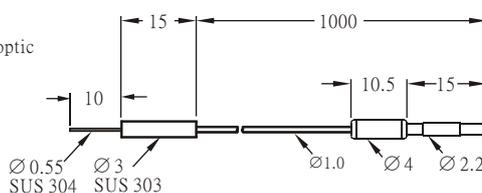
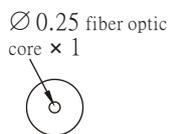
Free cut



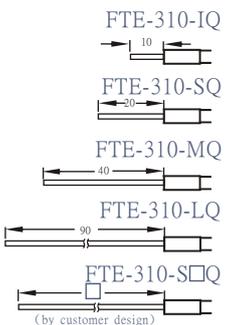
Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D d
	Ø1.0 Ø0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTE-310-IQ

Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D d
	Ø1.0 Ø0.25
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

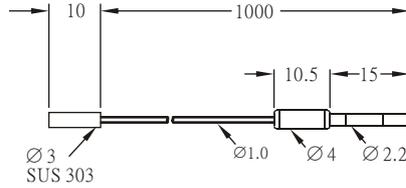
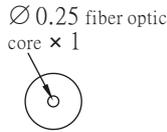


# Thrubeam $\varnothing 3$ Type



## FTE-310-H10Q

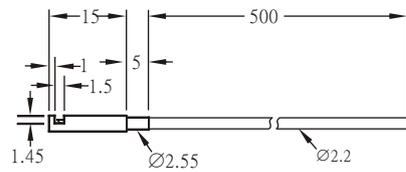
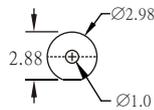
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.25$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTH-305-D

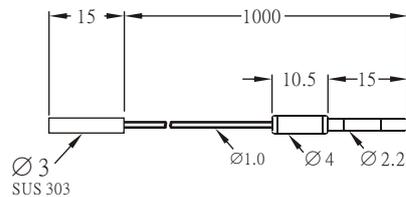
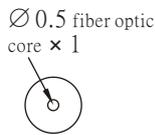
Free cut



Fiber material	Plastic
Fiber Type	Heat resistant
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	$-55^{\circ}\text{C} \sim +115^{\circ}\text{C}$
Minimum bending radius	R25
Sensing distance/FZ-KP2	600mm

## FTS-310-Q

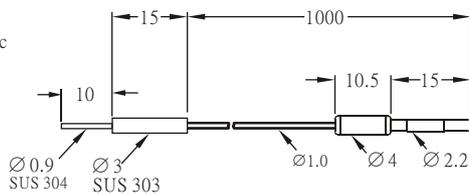
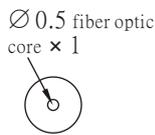
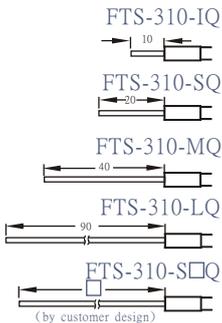
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS-310-IQ

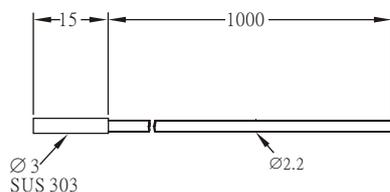
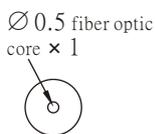
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS2-310-Q

Free cut



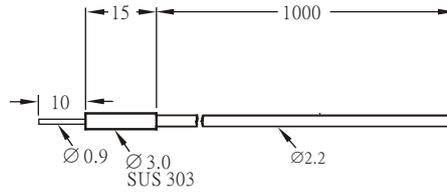
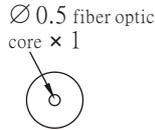
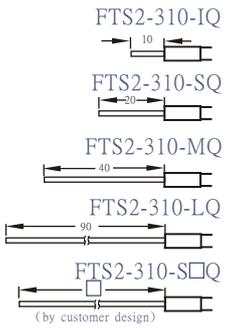
Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

# Thrubeam $\varnothing 3$ Type



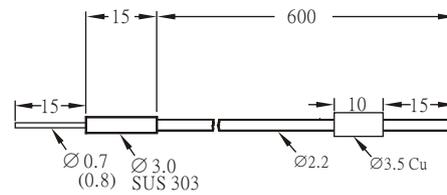
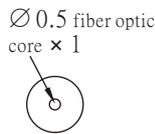
## FTS2-310-IQ

Free cut



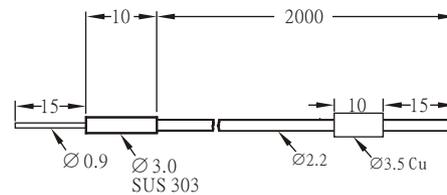
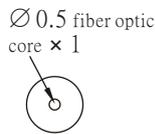
Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS2-306-S15Q(Cu)(0.7)(0.8)



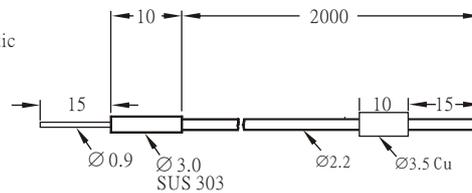
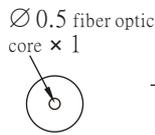
Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS2-320-S15Q(Cu)



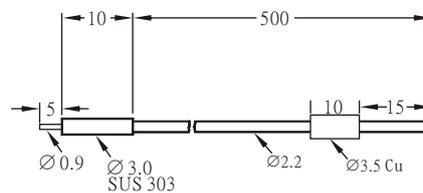
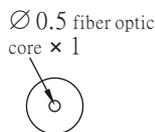
Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTW 2-320- S15Q (Cu)



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

## FTW2-305-S5Q(Cu)



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

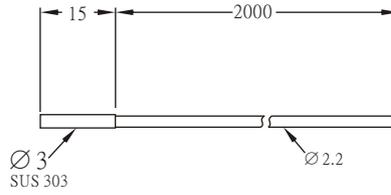
# Thrubeam $\varnothing 3$ Type



## FTX-320-Q

Free cut

$\varnothing 1.5$  fiber optic core  $\times 1$

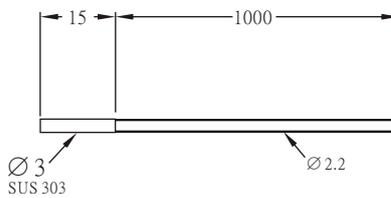


Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R40
Sensing distance/FZ-KP2	700mm

## FTY-310-Q

Free cut

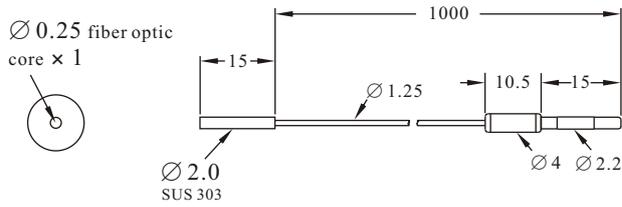
$\varnothing 1.0$  fiber optic core  $\times 1$



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 1.0$
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

## FTA-210

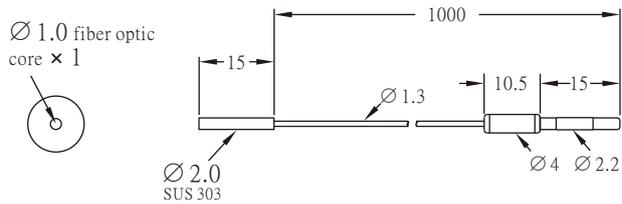
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTB-210

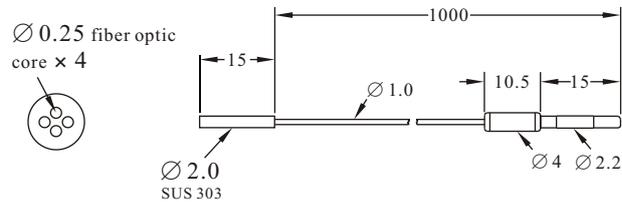
Free cut



Fiber material	Plastic
Fiber Type	Standard
Fiber diameter	D $\varnothing 1.3$ d $\varnothing 1.0$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	400mm

## FTC4-210

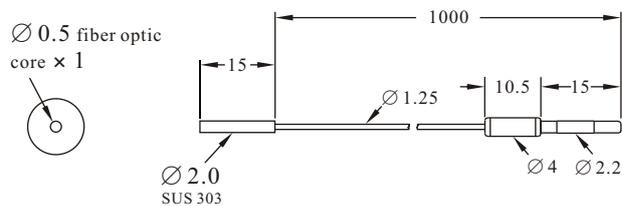
Free cut



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter	D $\varnothing 1.0\text{mm}$ d $\varnothing 0.25\text{mm} \times 4$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	100mm

## FTD-210

Free cut

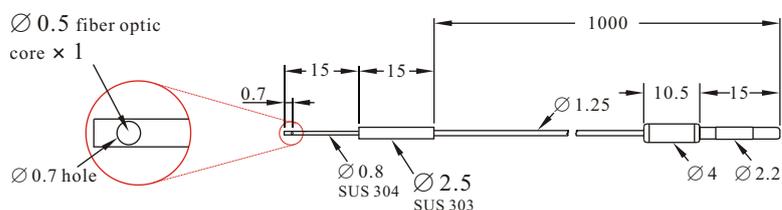


Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTD-210-32

Free cut

Side View Fiber

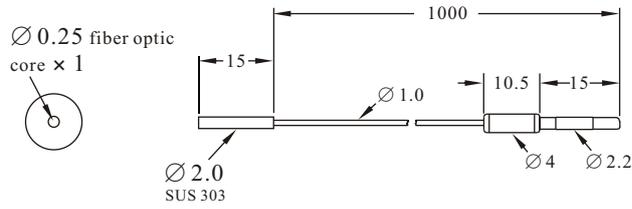


Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	80mm

# Thrubeam $\varnothing 2$ Type

## FTE-210

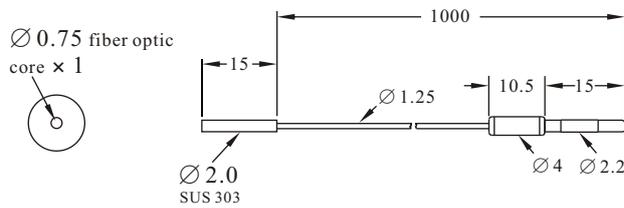
Free cut



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.25$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	30mm

## FTJ-210

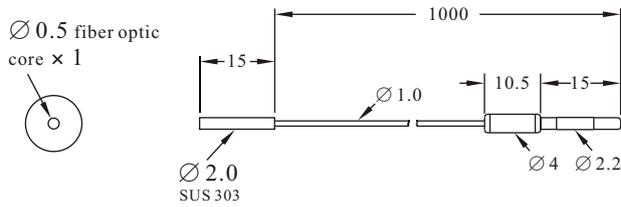
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.75$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	250mm

## FTS-210

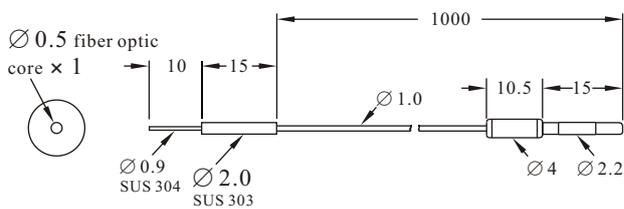
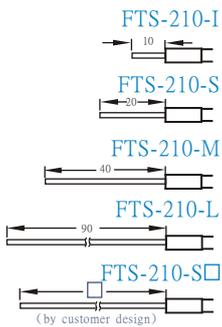
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS-210-I

Free cut

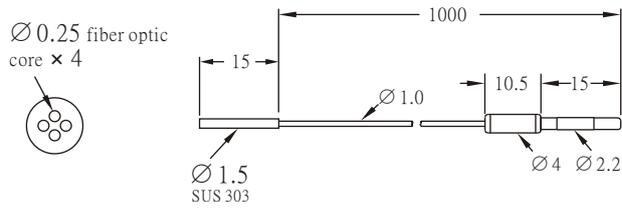


Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

# Thrubeam $\varnothing 1.5$ Type

## FTC4-110

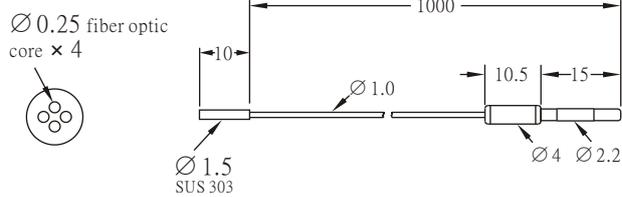
Free cut



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter	D $\varnothing 1.0\text{mm} \times 1$ d $\varnothing 0.25\text{mm} \times 4$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	100mm

## FTC4-110-59(H10)

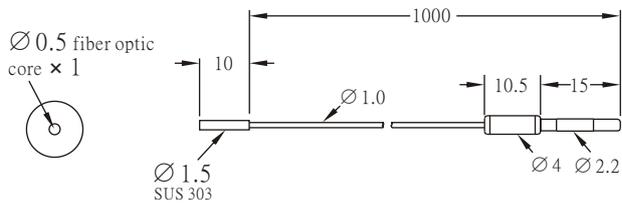
Free cut



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter	D $\varnothing 1.0\text{mm} \times 1$ d $\varnothing 0.25\text{mm} \times 4$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	100mm

## FTS-110-H10

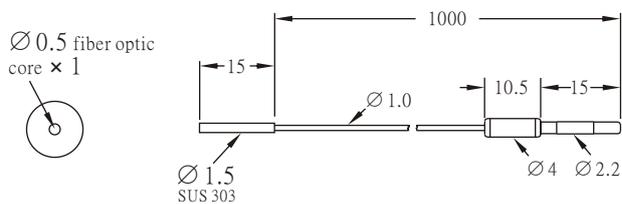
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTS-110

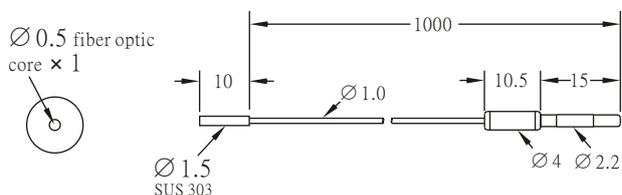
Free cut



Fiber material	Plastic
Fiber Type	Precision
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	$-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R15
Sensing distance/FZ-KP2	130mm

## FTW-110-H10

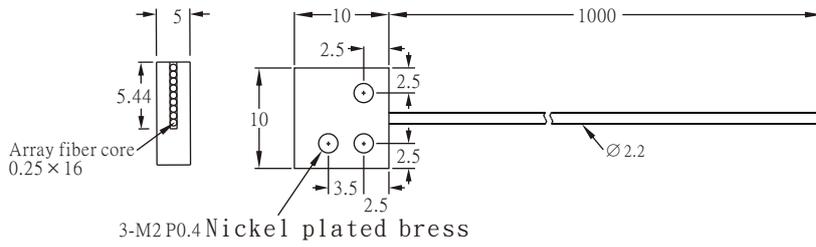
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing 1.0$ d $\varnothing 0.5$
Operate temperature	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

## FT-10ML-10

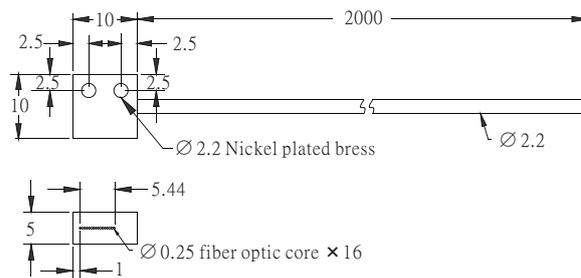
Free cut Array Fiber



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter D d	∅2.2 ∅0.25×16
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	500mm

## FT-10MLD-20

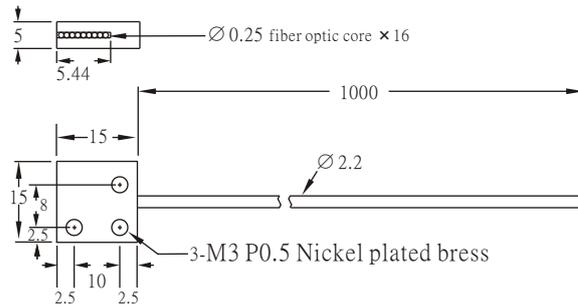
Free cut Array Fiber



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter D d	∅2.2 ∅0.25×16
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ1-N	150mm

## FT-15MLD-10

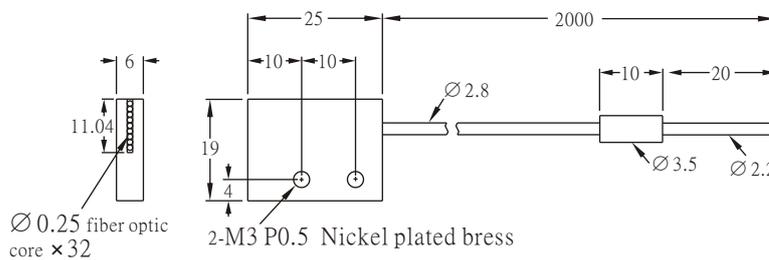
Free cut Side View Array Fiber



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter D d	∅2.2 ∅0.25×16
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R25
Sensing distance/FZ-KP2	400mm

## FT-20ML-20

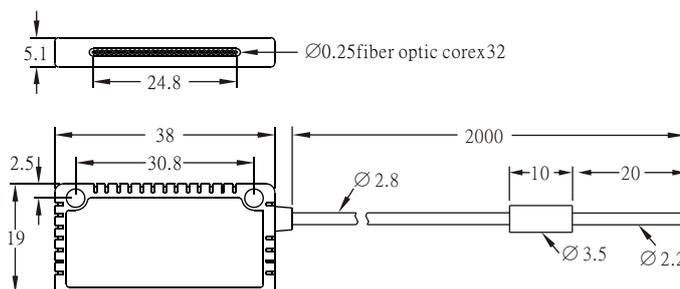
Array Fiber



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter D d	∅2.8 ∅0.25×32
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R60
Sensing distance/FZ-KP2	500mm

## FT-30ML-20

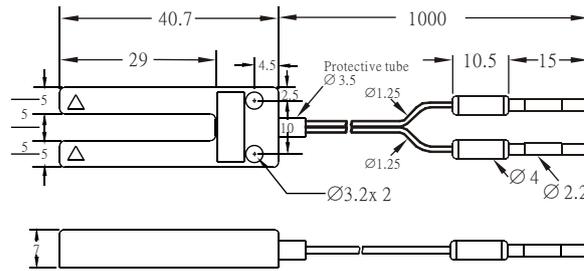
Array Fiber



Fiber material	Plastic
Fiber Type	Multiple-core
Fiber diameter D d	∅2.8 ∅0.25×32
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R60
Sensing distance/FZ-KP2	300mm

## FTA-SU05-10

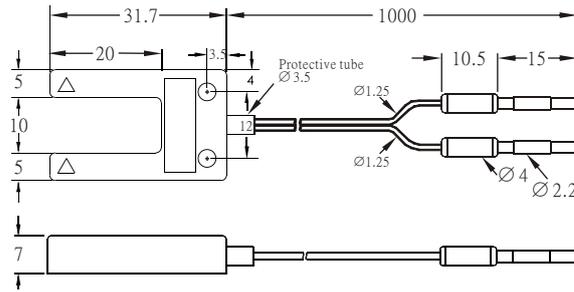
Free cut (One fiber only)



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	5mm

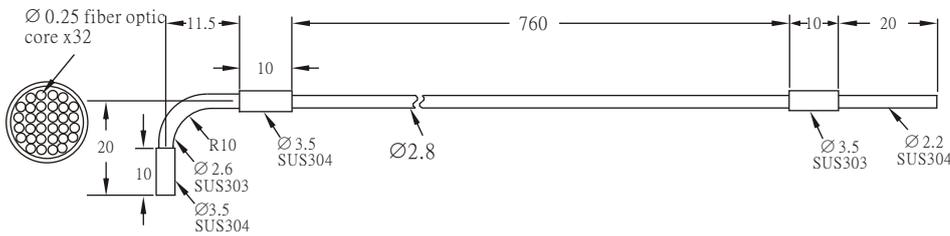
## FTA-SU10-10

Free cut (One fiber only)



Fiber material	Plastic
Fiber Type	High precision
Fiber diameter	D $\varnothing 1.25$ d $\varnothing 0.25$
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R10
Sensing distance/FZ-KP2	10mm

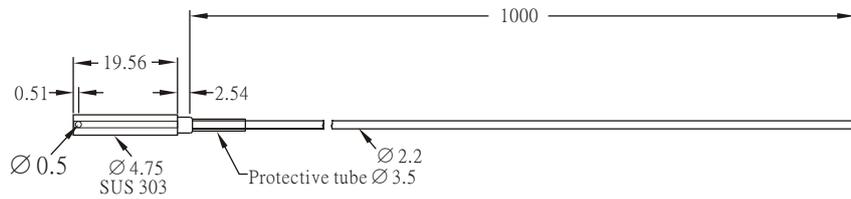
## FTC32-12



Fiber material	Plastic
Fiber Type	Coaxial
Fiber diameter	D $\varnothing 2.8$ mm d $\varnothing 0.25$ mm x32
Operate temperature	-55°C ~ +70°C
Minimum bending radius	R60
Sensing distance/FZ-KP2	750mm

## FTW2-475D-10

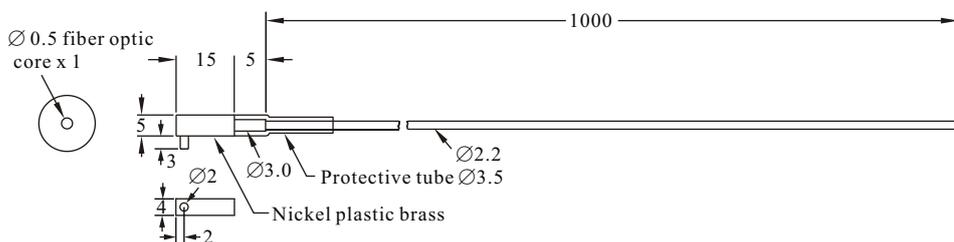
Free cut



Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

## FTW2-11-10

Free cut



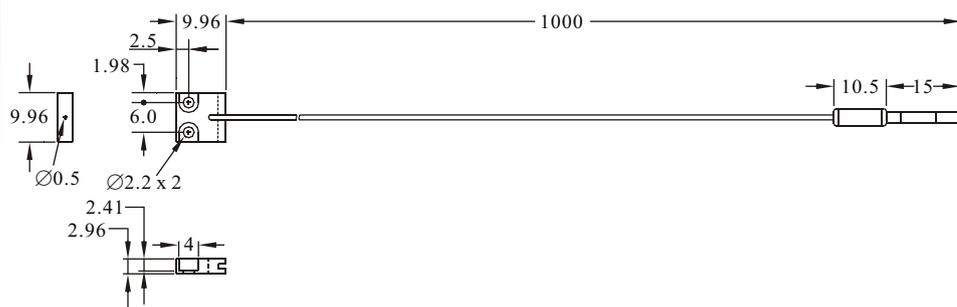
Fiber material	Plastic
Fiber Type	Flexible
Fiber diameter	D $\varnothing 2.2$ d $\varnothing 0.5$
Operate temperature	-40°C ~ +70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

# Thrubeam Other Type



## FTW-10ML-10

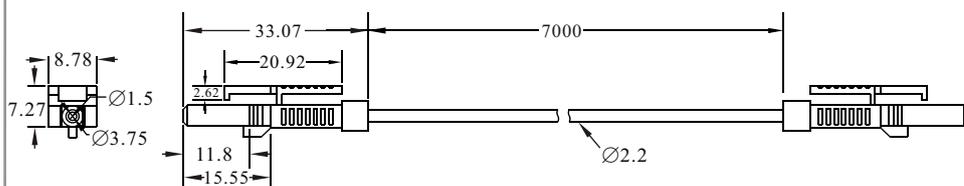
Free cut Array Fiber



Fiber material	Plastic
Fiber Type	Fiexible
Fiber diameter	D $\varnothing$ 1.0 d $\varnothing$ 0.5
Operate temperature	-40°C~+70°C
Minimum bending radius	R1
Sensing distance/FZ-KP2	80mm

## FTX-70-FSC

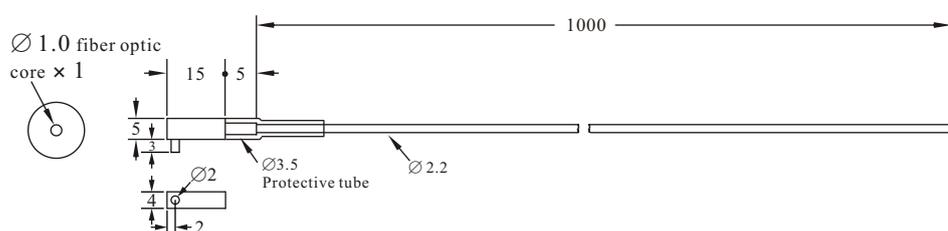
Side View Array Fiber (One fiber only)



Fiber material	Plastic
Fiber Type	Long sensing range
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.5
Operate temperature	-55°C~+70°C
Minimum bending radius	R40

## FTY-11-10

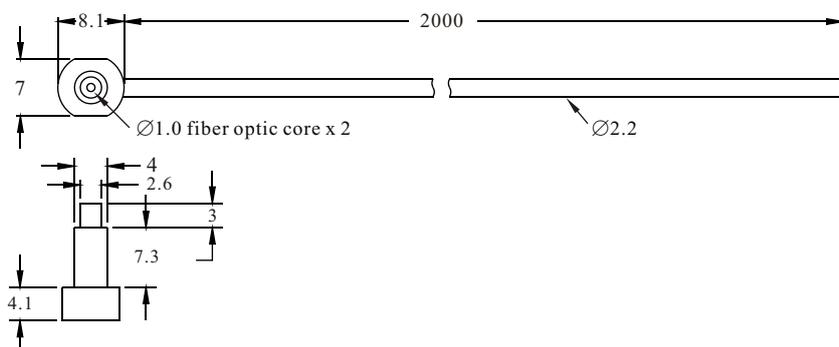
Free cut Minimum bend radius R2



Fiber material	Plastic
Fiber Type	Fiexible
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.0
Operate temperature	-40°C~+70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	300mm

## FTY-77TZ-20

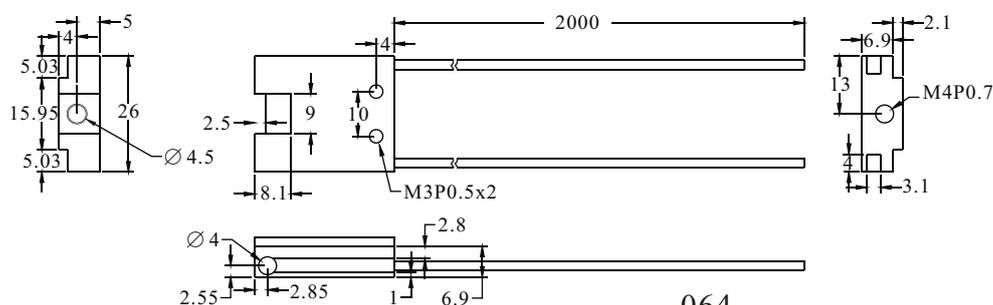
Free cut Minimum bend radius R2



Fiber material	Plastic
Fiber Type	Fiexible
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.0
Operate temperature	-40°C~+70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	250mm

## FTY-U09-20

Free cut



Fiber material	Plastic
Fiber Type	Fiexible
Fiber diameter	D $\varnothing$ 2.2 d $\varnothing$ 1.0
Operate temperature	-40°C~+70°C
Minimum bending radius	R2
Sensing distance/FZ-KP2	9mm