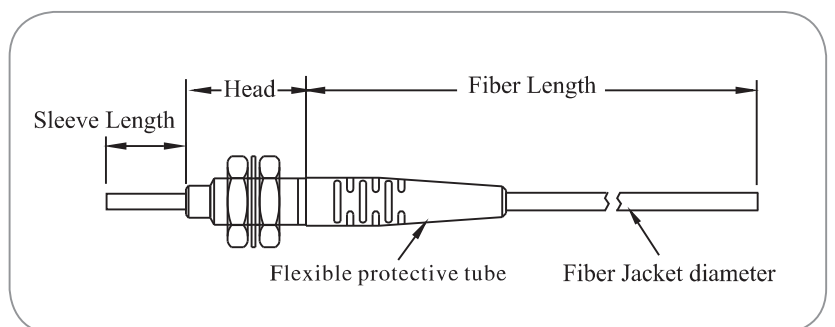
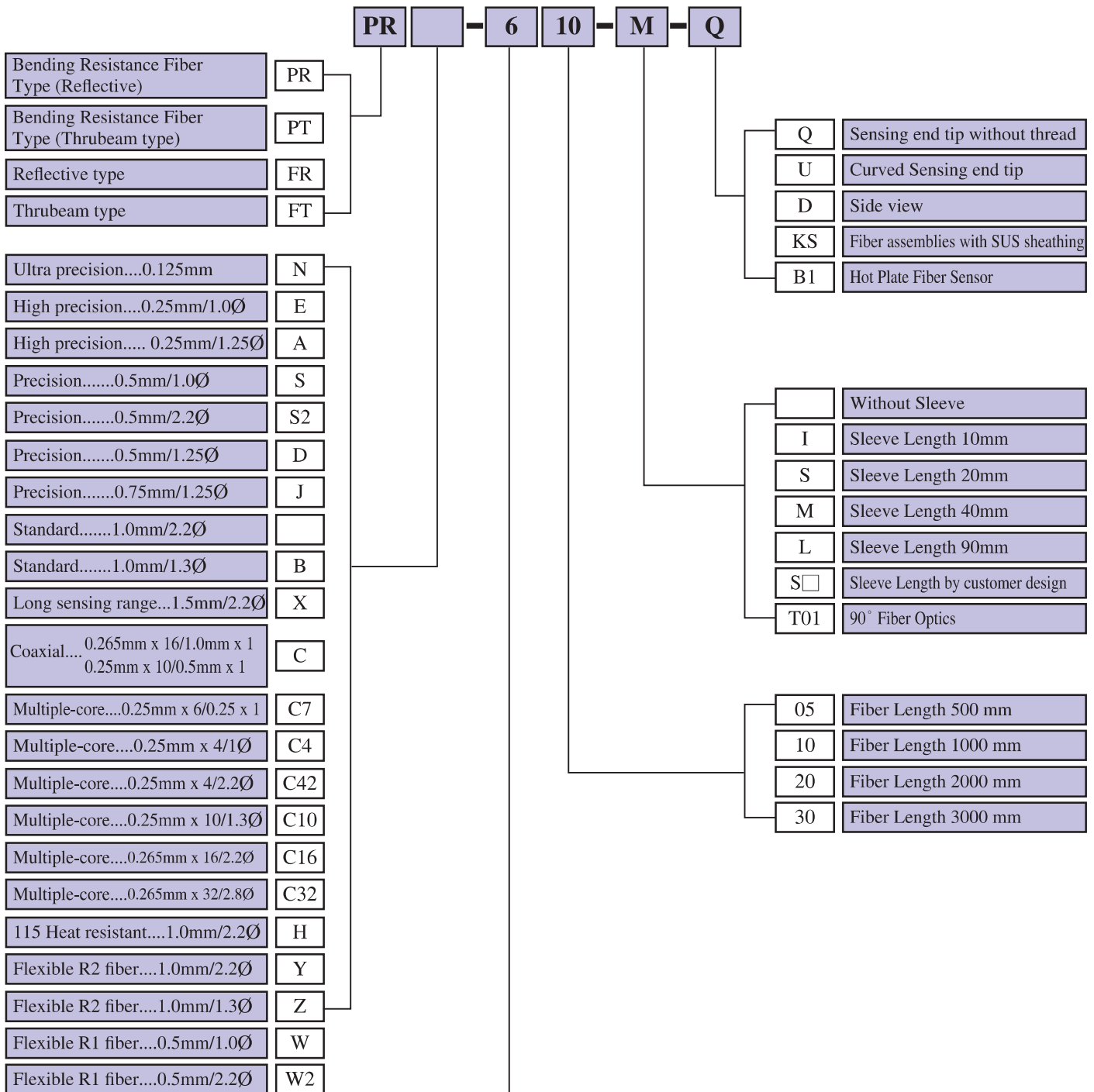


◆Order Information :



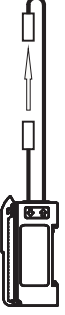
FZ1-N/ KP2

BR2(L999)

Features	Shape	Detecting Distance (mm)	*FZ1-N/ KP2 *BR2(L999)	Smallest detectable object(metal wire)	Minimum bend radius	Weight(g)	Model
Fiber Sensor	 M6		80 160	Ø0.2	R25	43	PR-610
	 M4					40	FRB-410
	 Ø3					40	FRB-310-Q
Photo / Area Photo / Ultrasonic Sensor	 M6		120 240	Ø0.5	R40	43	FRX-610
	 M6					40	PRC-610
	 M4					35	PRC-410
Inductive / Capacitive Proximity Sensor	 M3		30 60	Ø0.05	R15	33	PRC-310
	 Ø3					33	PRC-310-Q
	 Ø1.5					30	FRC7-110-Q20
Others	 Ø1.5		7 14	Ø0.05	R15	30	PRC4-110
	 Ø5					40	FRH-510
	 M4					40	FRZ-410
	 Ø3		70 140	Ø0.2	R2	40	FRZ-310-Q
	 M4					40	FRW-410
	 Square					40	FRW-11
			70 140	Ø0.2	R2	35	PRY-320-T01
	 M6					45	PRY-610
	 M4					33	FRE-410
	 M3		5 10	Ø0.05	R10	35	FRA-410
	 Ø2					33	FRE-310
	 M4					33	FRE-310Q
	 M4		25 50	Ø0.1	R15	33	FRE-310Q
	 M3					35	FRA-310
	 Ø2					33	FRE-210
	 M4		60 120	Ø0.05	R15	33	FRS-410
	 M3					33	FRS-310
	 Ø2					35	PRD-310
	 10x10		25 50	Ø1.0	R5	40	PRS-210
	 15x15					40	FRJ-410
	 25 x 19					40	FRJ-310
	 38 x 19		70 140	Ø1.0	R5	60	FR-10ML
	 58 x 23					45	FR-15MLD
	 58 x 23					36	PR-20ML
	 58 x 23		70 140	Ø2.0	R5	40	FR-30ML
	 58 x 23					40	FR-50ML
	58 x 23					40	FR-50ML

FZ1-N/ KP2

BR2(L999)

Features	Shape	Detecting Distance (mm)	*FZ1-N/ KP2 *BR2(L999)	Smallest detectable object(metal wire)	Minimum bend radius	Weight(g)	Model
	 M6	 	500 1000	Ø0.5	R25	52	FT-610
	 M4					45	PT-410
	 M3					45	PT-310
	 M4					35	FTB-410
	 M3					35	FTB-310
	 Ø2					35	FTB-210
	 M4	 	250 400	Ø0.2	R15	40	FTJ-410
	 M4					42	FTX-410
	 M3	 	700 1400	Ø1.0	R40	35	FTA-310
	 Ø2					33	FTA-210
	 Ø1.5					32	FTE-110
	 M6	 	300 600	Ø0.5	R2	47	FTY-610
	 M4					45	PTY-410
	 M3					40	PTY-310
	 M4			Ø0.5	R2	40	FTZ-410
	 M3					40	FTZ-310
	 M4	 	80 160	Ø0.05	R1	35	FTW-410
	 Square					40	FTW2-11
	 M6	 	250 500	Ø0.5	R2	40	FTY-67TZ
	 M4					42	FTY-77TZ
	 Ø4.75	 	80 160	Ø0.05	R1	50	FTW2-475D
	 M4					35	FTS-410
	 M3	 	130 260	Ø0.05	R15	35	PTS2-310
	 M3					35	PTD-310
	 Ø2					33	PTS-210
	 Ø1.5	 	100 200	Ø0.1	R5	30	PTC4-110
	 Ø2					33	PTC4-210
	 10x10	 	400 800	Ø0.5	R5	35	FT-10ML
	 15x15					55	FT-15MLD
	 25x19	 	500 1000	Ø1.0	R60	95	PT-20ML
	 38x19					62	FT-30ML
	 58x23	 	300 600	Ø2.0	R60	65	FT-50ML
	 58x23						

Fiber Sensor

Photo / Area Photo / Ultrasonic Sensor

Inductive / Capacitive Proximity Sensor

Others

PT/PR TYPE

High quality, bending resistance fiber optic sensor

Patent NO. : M368808 M380485

Protection against excessive bending /高彎曲保護

Special material for bending resistance (patent) /特殊耐彎材質(自有專利)

Special material for bending resistance : better curvature and protection from breakage of fiber in case of smaller bending radius in operation.

/特殊耐彎材質，繞曲度優，保護性佳，讓您在操作時，不會因為R角過小，造成光纖的斷裂。



Traditional types



M6 Types



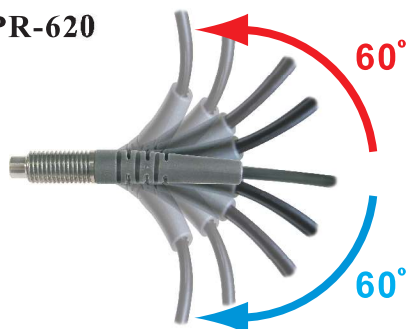
M3/M4 Types

Swinging tests /搖擺測試

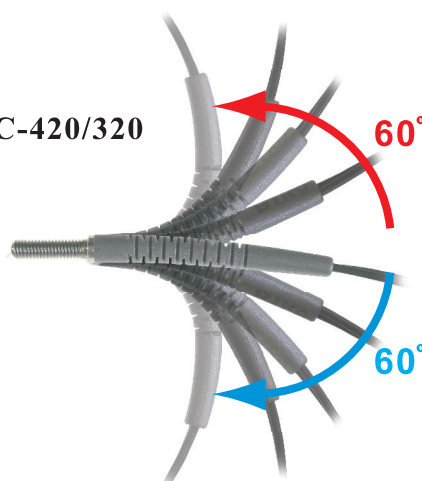
Swings of PR620:1000 and PRC-320/420 are up to 30000. It will efficiently protect the fiber and extend its service life.

/PR-620搖擺次數可達1萬次，PRC-320/420搖擺次數更能夠達到3萬次，因此能有效的保護光纖，使光纖的壽命更長。

PR-620



PRC-420/320

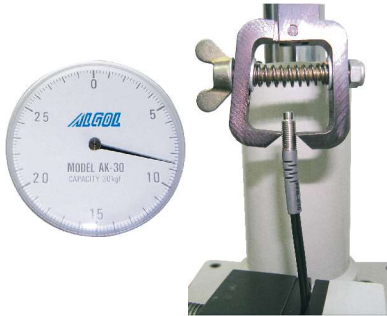


Standard of test : swinging from left to right total 10cm, 120 degree, speed : 12 seconds per swing.
測試標準:左右來回5公分，角度60(正負共120度)左右搖擺、速度來回12秒。

High tensile strength /高抗拉力(8kg)

Tensile strength : 8kg is three times more stronger than traditional type fiber. It will keep fiber far from careless damage in operation.

/PR-620可承受8kg的拉力，比一般的機型強上數倍，讓在使用時，不會因不小心，而造成光纖的損傷。



PR-620
Tensile strength : 8kg
可承受8kg的拉力



PRC-420/320
Tensile strength : 7kg
可承受7kg的拉力

High quality /高品質

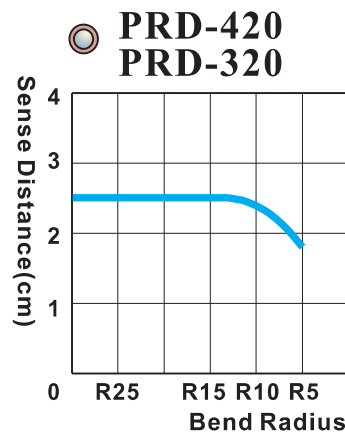
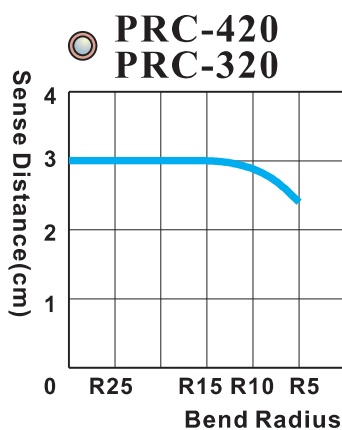
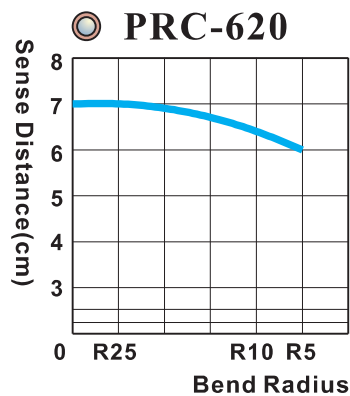
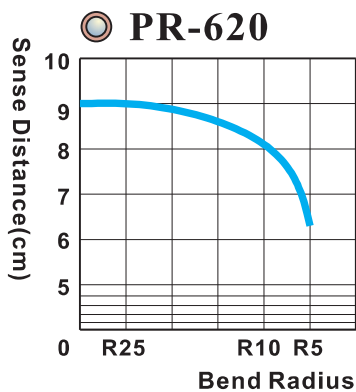
1. Stainless steel fiber head(Shorter Model) /高品質不鏽鋼接頭

光纖頭使用不鏽鋼材質，耐用度高。



2. High quality fiber /高品質光纖

Superior fiber material from Japan. Lower attenuation. /使用日本進口光纖，光纖在彎折時，光耗損率更低



Enhanced protection /有效保護光纖

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	PR-620-B1 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 180mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PR-620 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 180mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PR-620-I Free cut PR-620-M		*Fiber Type : Standard *Sensing distance(BR2/L999) : 180mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PRC-620 Free cut		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 140mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0x1/ Ø0.265x15
	PRC-620-I Free cut PRC-620-M		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 140mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0x1/ Ø0.265x15

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
M6	PRJ2-620-B1 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 100mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø0.75
	PRS2-620-B1 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø2.2 ID=Ø0.5
	PRY-620 Free cut		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 140mm *Operate temperature : -40°C ~+70°C *Minimum bending radius : R2 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
M4	PRA-420 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 10mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.25 ID=Ø0.25
	PRC-420 Free cut		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10
	PRC-420-I Free cut		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10
	PRC-420-M		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10

Fiber Sensor

FZ1

BR1
/BR2
/BR3

PR
/PT

FR
/FT

Glass
Fiber

Light
Guide

Silica
Fiber

Acc.

反射型 (Reflective)

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	PRC-420-9 Free cut	Ø0.5 fiber optic core x 1 Ø0.25 fiber optic core x 10 M2.6 P0.45 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø8.3 Width Across Flats 8mm Thickness 2.3mm	*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 I D=Ø0.5x1/ Ø0.25x10
	PRD-420-B1 Free cut	Ø0.5 fiber optic core x 2 M2.6 P0.45 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø8.3 Width Across Flats 8mm Thickness 2.3mm	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 I D=Ø0.5
	PRD-420 Free cut	Ø0.5 fiber optic core x 2 M2.6 P0.45 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø8.3 Width Across Flats 8mm Thickness 2.3mm	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 I D=Ø0.5
	PRD-420-I Free cut	Ø0.5 fiber optic core x 2 Ø1.47 SUS 304 M2.6 P0.45 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø8.3 Width Across Flats 8mm Thickness 2.3mm	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 I D=Ø0.5
	PRD-420-M	Ø0.5 fiber optic core x 2 Ø1.47 SUS 304 M2.6 P0.45 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø8.3 Width Across Flats 8mm Thickness 2.3mm	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 I D=Ø0.5
	PRD-420-9 Free cut	Ø0.5 fiber optic core x 2 M2.6 P0.45 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø8.3 Width Across Flats 8mm Thickness 2.3mm	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 I D=Ø0.5
	PRA-320 Free cut	Ø0.25 fiber optic core x 2 M3 P0.5 M4 P0.7 Head Diameter Flexible protective tube Toothed lock washer Ø6.4 Width Across Flats 5mm Thickness 2.2mm	*Fiber Type : High Precision *Sensing distance(BR2/L999) : 10mm *Operate temperature : -55°C ~ +70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.25 I D=Ø0.25

PR/PT

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
反射型 (Reflective)	PRC-320 Free cut	$\varnothing 0.5$ fiber optic core x 1 $\varnothing 0.25$ fiber optic core x 10 $\varnothing 2$ M3 P0.5 Head Diameter Toothed lock washer $\varnothing 6.4$ Width Across Flats 5mm Thickness 2.2mm Flexible protective tube $\varnothing 1.25 \times 2$ 25.7 10.8 $\varnothing 2.2$	*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : $-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$ *Minimum bending radius : R15 *Fiber diameter : OD= $\varnothing 1.25$ ID= $\varnothing 0.5 \times 1 / \varnothing 0.25 \times 10$
	PRC-320-I Free cut	$\varnothing 0.5$ fiber optic core x 1 $\varnothing 0.25$ fiber optic core x 10 $\varnothing 1.47$ SUS 304 $\varnothing 2$ M3 P0.5 Head Diameter Toothed lock washer $\varnothing 6.4$ Width Across Flats 5mm Thickness 2.2mm Flexible protective tube $\varnothing 1.25 \times 2$ 25.7 10.8 $\varnothing 2.2$	*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : $-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$ *Minimum bending radius : R15 *Fiber diameter : OD= $\varnothing 1.25$ ID= $\varnothing 0.5 \times 1 / \varnothing 0.25 \times 10$
	PRC-320-M	PRC-320-I PRC-320-S PRC-320-M PRC-320-L PRC-320-S□ (by customer design)	
	PRC-320-9 Free cut	$\varnothing 0.5$ fiber optic core x 1 $\varnothing 0.25$ fiber optic core x 10 $\varnothing 2$ M3 P0.5 Head Diameter Toothed lock washer $\varnothing 6.4$ Width Across Flats 5mm Thickness 2.2mm Flexible protective tube $\varnothing 1.25 \times 2$ 25.7 10.8 $\varnothing 2.2$	*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : $-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$ *Minimum bending radius : R15 *Fiber diameter : OD= $\varnothing 1.25$ ID= $\varnothing 0.5 \times 1 / \varnothing 0.25 \times 10$
	PRD-320-B1 Free cut	$\varnothing 0.5$ fiber optic core x 2 0.8 0.5 18 1 35 $\varnothing 1.25 \times 2$ 25.7 10.8 $\varnothing 2.2$ $\varnothing 2$ M3 P0.5 Head Diameter Toothed lock washer $\varnothing 6.4$ Width Across Flats 5mm Thickness 2.2mm Flexible protective tube	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : $-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$ *Minimum bending radius : R15 *Fiber diameter : OD= $\varnothing 1.25$ ID= $\varnothing 0.5$
	PRD-320 Free cut	$\varnothing 0.5$ fiber optic core x 2 0.5 18 1 35 $\varnothing 1.25 \times 2$ 25.7 10.8 $\varnothing 2.2$ $\varnothing 2$ M3 P0.5 Head Diameter Toothed lock washer $\varnothing 6.4$ Width Across Flats 5mm Thickness 2.2mm Flexible protective tube	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : $-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$ *Minimum bending radius : R15 *Fiber diameter : OD= $\varnothing 1.25$ ID= $\varnothing 0.5$
PRD-320-I Free cut	$\varnothing 0.5$ fiber optic core x 2 $\varnothing 1.47$ SUS 304 $\varnothing 2$ M3 P0.5 Head Diameter Toothed lock washer $\varnothing 6.4$ Width Across Flats 5mm Thickness 2.2mm Flexible protective tube $\varnothing 1.25 \times 2$ 25.7 10.8 $\varnothing 2.2$	*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : $-55^{\circ}\text{C} \sim +70^{\circ}\text{C}$ *Minimum bending radius : R15 *Fiber diameter : OD= $\varnothing 1.25$ ID= $\varnothing 0.5$	
PRD-320-M	PRD-320-I PRD-320-S PRD-320-M PRD-320-L PRD-320-S□ (by customer design)		

M3

Acc.

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	M3		*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PRC-320-Q Free cut		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10
	PRC-320-IQ Free cut		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10
	PRC-320-MQ		
	PRD-320-Q Free cut		
	PRD-320-IQ Free cut		
	PRD-320-MQ		

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
反射型 (Reflective)	PRE-220 Free cut		*Fiber Type : High Precision *Sensing distance(BR2/L999) : 10mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.0 ID=Ø0.25
	PRS-220 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.0 ID=Ø0.5
	PRC4-120 Free cut		*Fiber Type : Multiple Core *Sensing distance(BR2/L999) : 14mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.0 ID=Ø0.25x4
	PRC7-120 Free cut		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 40mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.25x7
對照型 (Thrubeam)	PT-420-B1 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PT-420 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PTD-420-B1 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	PTD-420 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTS2-420 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø2.2 ID=Ø0.5
	PTY-420 Free cut		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 600mm *Operate temperature : -40°C ~+70°C *Minimum bending radius : R2 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
對照型 (Thru beam)	PT-320-B1 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PT-320 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PTD-320 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTD-310-I Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5

Anti-Bending Fiber Optic

PR/PT

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
M3	PTS2-320 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø2.2 ID=Ø0.5
	PTY-320 Free cut		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 600mm *Operate temperature : -40℃~+70℃ *Minimum bending radius : R2 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
對照型 (Thru beam) Ø3	PT-320-Q Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PT-320-IQ Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PT-320-MQ		
	PTD-320-Q Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTD-320-IQ Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTD-320-MQ		

Fiber Sensor

FZ1

BR1
/BR2
/BR3

PR
/PT

FR
/FT

Glass
Fiber

Light
Guide

Silica
Fiber

Acc.

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	PTA-220 Free cut	Ø0.25 fiber optic core x 1 Flexible protective tube	*Fiber Type : High Precision *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.25 ID=Ø0.25
	PTC4-220 Free cut	Ø0.25 fiber optic core x 4 Flexible protective tube	*Fiber Type : Multiple Core *Sensing distance(BR2/L999) : 200mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.0 ID=Ø0.25x4
	PTD-220 Free cut	Ø0.5 fiber optic core x 1 Flexible protective tube	*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTE-220 Free cut	Ø0.25 fiber optic core x 1 Flexible protective tube	*Fiber Type : High Precision *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.0 ID=Ø0.25
	PTS-220 Free cut	Ø0.5 fiber optic core x 1 Flexible protective tube	*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.0 ID=Ø0.5
	PTC4-120 Free cut	Ø0.25 fiber optic core x 4 Flexible protective tube	*Fiber Type : Multiple Core *Sensing distance(BR2/L999) : 200mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.0 ID=Ø0.25x4

Anti-Bending Fiber Optic

PR/PT

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
對照型 (Throughbeam)	PTD-120 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTS-120 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 260mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.0 ID=Ø0.5
反射型 (Reflective)	PR-620-T01 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PRS2-620-T01 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 50mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø2.2 ID=Ø0.5
	PRY-620-T01 Free cut		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 140mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R2 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PRA-420-T01 Free cut		*Fiber Type : High Precision *Sensing distance(BR2/L999) : 10mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.25 ID=Ø0.25

Fiber Sensor

FZ1

BR1
/BR2
/BR3

PR
/PT

FR
/FT

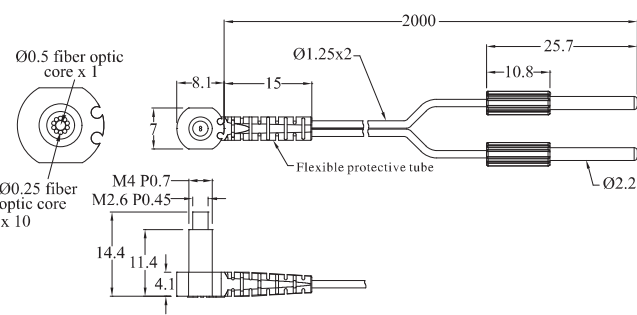
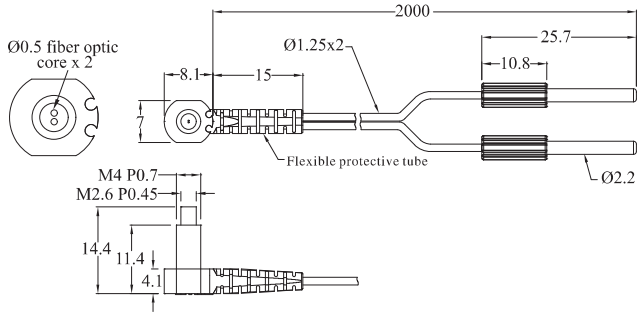
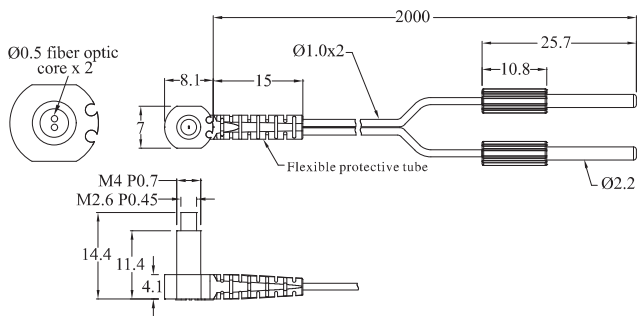
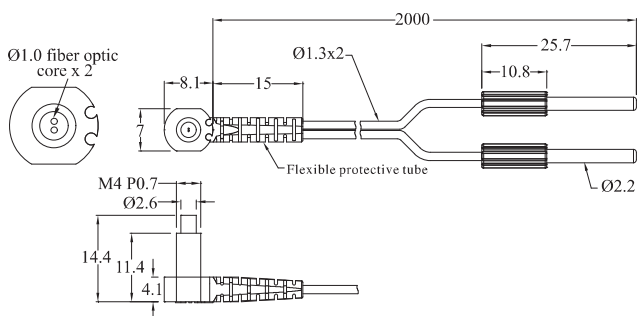
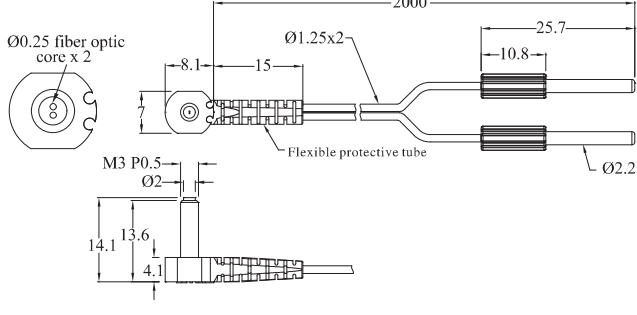
Glass
Fiber

Light
Guide

Silica
Fiber

Acc.

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	PRC-420-T01 Free cut 		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10
	PRD-420-T01 Free cut 		*Fiber Type : Precision *Sensing distance(BR2/L999) : 30mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PRW-420-T01 Free cut 		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 40mm *Operate temperature : -40℃~+70℃ *Minimum bending radius : R1 *Fiber diameter : OD=Ø1.0 ID=Ø0.5
	PRZ-420-T01 Free cut 		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 140mm *Operate temperature : -40℃~+70℃ *Minimum bending radius : R2 *Fiber diameter : OD=Ø1.3 ID=Ø1.0
	PRA-320-T01 Free cut 		*Fiber Type : High Precision *Sensing distance(BR2/L999) : 10mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R5 *Fiber diameter : OD=Ø1.25 ID=Ø0.25

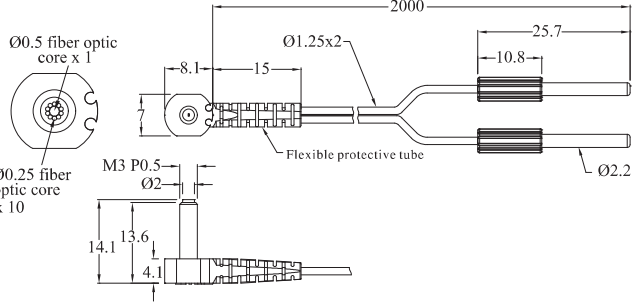
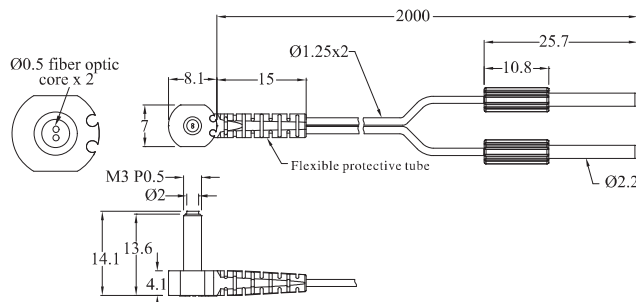
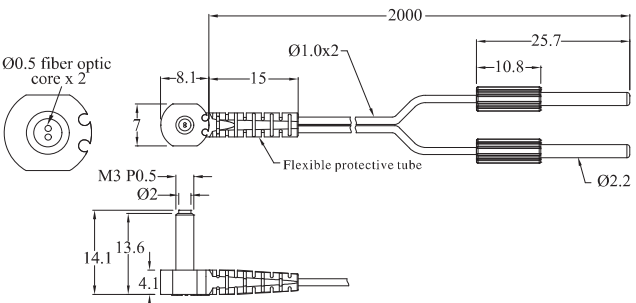
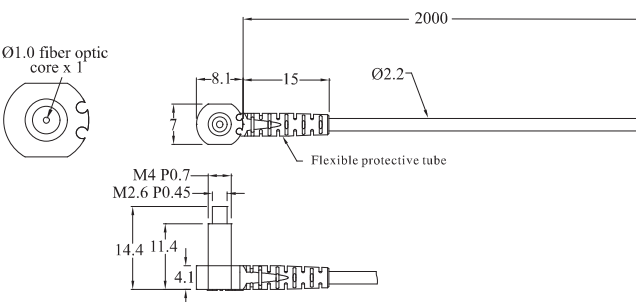
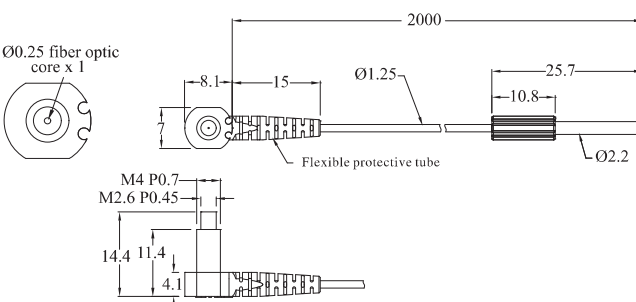
反射型 (Reflective)

90°

Anti-Bending Fiber Optic

PR/PT

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
反射型 (Reflective)	PRC-320-T01 Free cut 		*Fiber Type : Coaxial *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5x1/ Ø0.25x10
	PRD-320-T01 Free cut 		*Fiber Type : Precision *Sensing distance(BR2/L999) : 30mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PRW-320-T01 Free cut 		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 40mm *Operate temperature : -40℃~+70℃ *Minimum bending radius : R1 *Fiber diameter : OD=Ø1.0 ID=Ø0.5
對照型 (Thrubeam)	PT-420-T01 Free cut 		*Fiber Type : Standard *Sensing distance(BR2/L999) : 400mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PTA-420-T01 Free cut 		*Fiber Type : High Precision *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55℃~+70℃ *Minimum bending radius : R5 *Fiber diameter : OD=Ø1.25 ID=Ø0.25

Fiber Sensor

FZ1

BR1
/BR2
/BR3

PR
/PT

FR
/FT

Glass
Fiber

Light
Guide

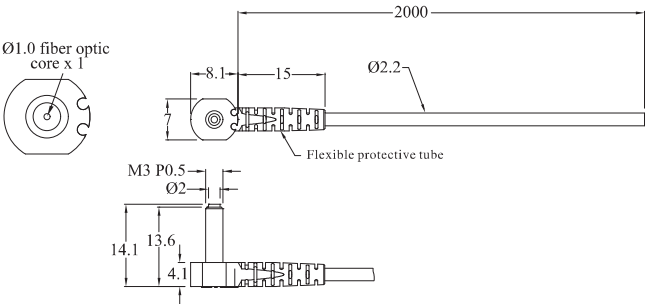
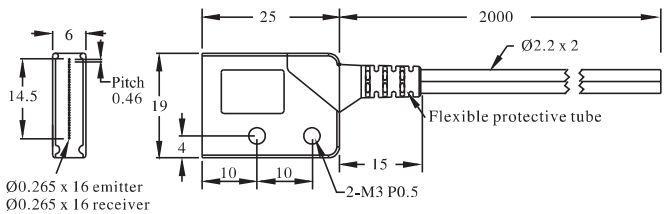
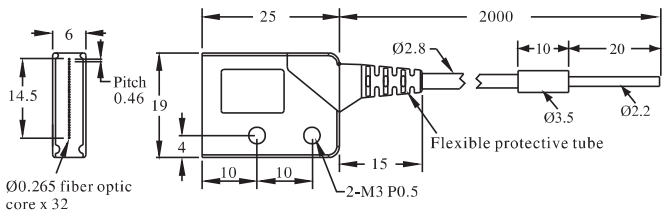
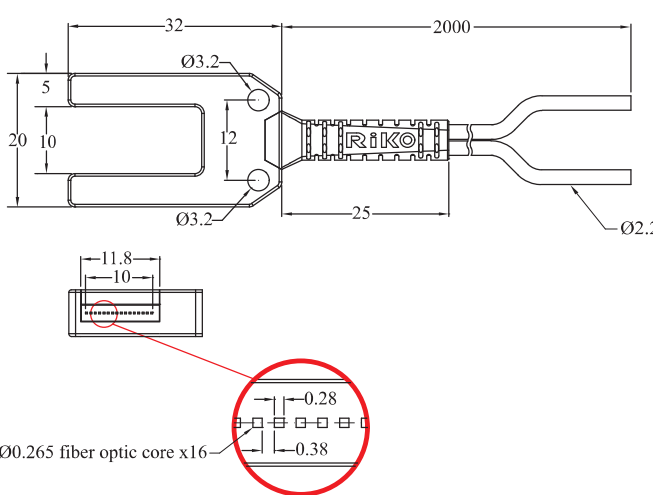
Silica
Fiber

Acc.

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
Fiber Sensor FZ1 BR1 /BR2 /BR3 PR /PT FR /FT Glass Fiber Light Guide Silica Fiber Acc.	PTD-420-T01 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 200mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.25 ID=Ø0.5
	PTY-420-T01 Free cut		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 600mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R2 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PT-320-T01 Free cut		*Fiber Type : Standard *Sensing distance(BR2/L999) : 400mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R25 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PTA-320-T01 Free cut		*Fiber Type : High Precision *Sensing distance(BR2/L999) : 60mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R10 *Fiber diameter : OD=Ø1.25 ID=Ø0.25
	PTD-320-T01 Free cut		*Fiber Type : Precision *Sensing distance(BR2/L999) : 200mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R15 *Fiber diameter : OD=Ø1.25 ID=Ø0.5

Specifications / 規格表

Type	型號/ Model	尺寸/ Dimensions	規格/ Datasheet
對照型 (Thrubeam)	PTY-320-T01 Free cut 		*Fiber Type : Flexible *Sensing distance(BR2/L999) : 600mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R2 *Fiber diameter : OD=Ø2.2 ID=Ø1.0
	PR-20ML-20 Free cut 		*Fiber Type : Multiple Core *Sensing distance(BR2/L999) : 140mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R5 *Fiber diameter : OD=Ø2.2 ID=Ø0.265x16/ Ø0.265x16
對照型 (Thrubeam)	PT-20ML-20 		*Fiber Type : Multiple Core *Sensing distance(BR2/L999) : 1000mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R5 *Fiber diameter : OD=Ø2.8 ID=Ø0.265x32
	PTC-SU10-20 Free cut 		*Fiber Type : High Precision *Sensing distance(BR2/L999) : 10mm *Operate temperature : -55°C ~+70°C *Minimum bending radius : R5 *Fiber diameter : OD=Ø2.2 ID=Ø0.265x16

Fiber Sensor

FZ1

BR1
/BR2
/BR3

PR
/PT

FR
/FT

Glass
Fiber

Light
Guide

Silica
Fiber

Acc.