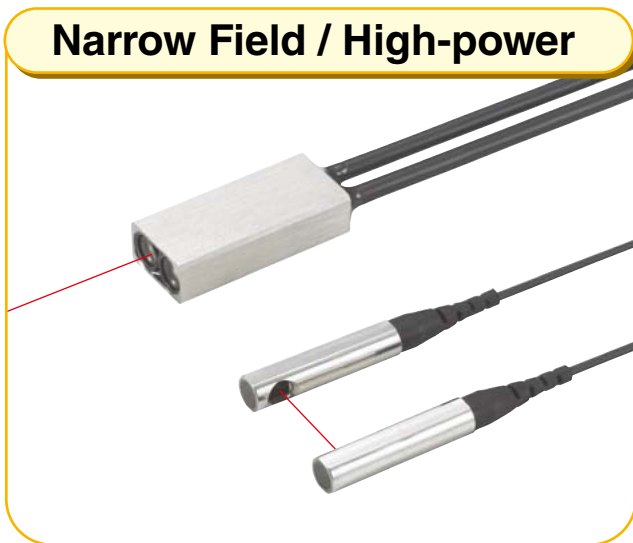
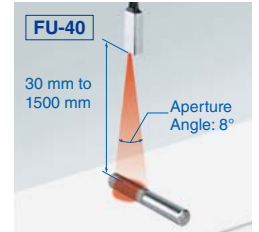


STEP 2 Select a specific sensor



Use of a lens suppresses beam width and reduces deflection.



Ask the Expert
Call us for Details on
the FU Series

RED indicates thru-beam fibres.

Unit: mm

Type			Fibre unit length (Diameter)	Appearance	Minimum bend radius	Detecting distance ^{*1}		Optical axis diameter (Standard target to be detected)	Smallest detectable object ^{*2}	Model Weight	Dimensions
Detecting method	Beam emitting direction	Aperture angle				MEGA	Other power modes				
Thru-beam	Side	Approx. 6°	2 m Free-cut (ø1.0) FU-16Z: -40 to +50°C FU-16/18: -40 to +70°C		R2 ToughFlex	3200 (2500)	ULTRA : 2500 (2000) SUPER : 1300 (1000) TURBO : 1000 (800) HSP : 380 (220)	ø2.5	ø0.1	FU-16Z Approx. 8 g	⊕ P.34
						630 (500)				FU-16 Approx. 8 g	⊕ P.34
		Approx. 2°		R10	3600 (3600) 950 (750)	ULTRA : 3600 (3000) SUPER : 2000 (1500) TURBO : 1500 (1200) HSP : 500 (280)	FU-18 Approx. 8 g	⊕ P.34			
	Approx. 3°	2 m Free-cut (ø1.0) -40 to +70°C		R10	3200 (2500) 800 (650)	ULTRA : 2500 (2000) SUPER : 1500 (1200) TURBO : 1200 (1000) HSP : 480 (260)	FU-18M Approx. 6 g	⊕ P.34			
	Top	Approx. 6°	2 m Free-cut (ø1.0) -40 to +50°C		R2 ToughFlex	3600 (3600) 2300 (1800)	ULTRA : 3600 (3600) SUPER : 3600 (3600) TURBO : 3600 (3200) HSP : 1500 (850)	ø2.8	ø0.1	FU-50 Approx. 8 g	⊕ P.37

BLUE indicates reflective fibres.

Unit: mm

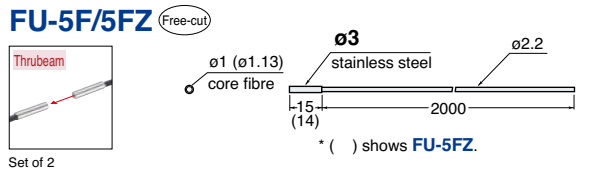
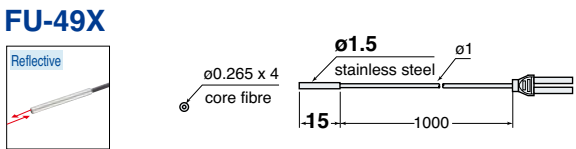
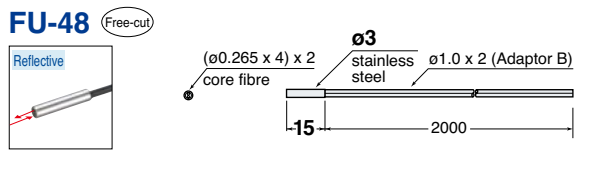
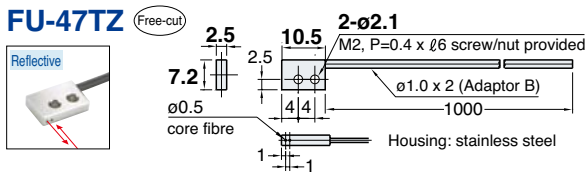
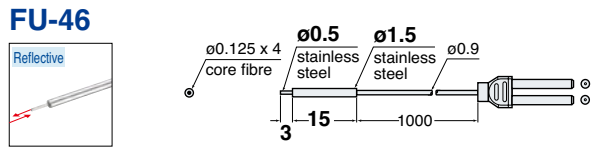
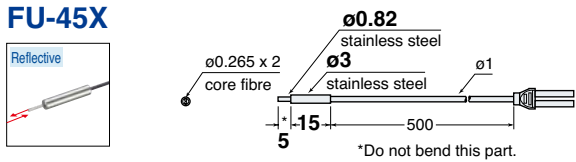
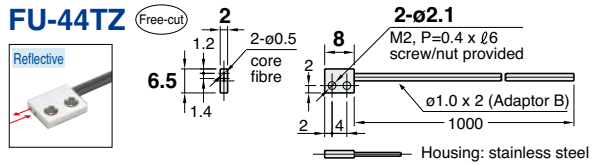
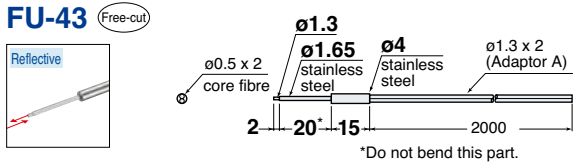
Type			Fibre unit length (Diameter)	Appearance	Minimum bend radius	Detecting distance ^{*1}		Smallest detectable object ^{*2}	Model Weight	Dimensions
Detecting method	Beam emitting direction	Aperture angle				MEGA	Other power modes			
Reflective	Top	Approx. 8°	2 m Free-cut (ø2.2 x 2) -40 to +50°C Thickness: 5.2		R2 ToughFlex	30 to 1500 (30 to 1200)	ULTRA : 30 to 1100 (30 to 850) SUPER : 30 to 400 (30 to 320) TURBO : 30 to 260 (30 to 220) HSP : 30 to 100 (30 to 80)	ø0.3 copper wire (Vertical)	FU-40 Approx. 23 g	⊕ P.36
						30 to 150 (30 to 120)			FU-40G Approx. 50 g	⊕ P.36

*1 When using the FS-V30. Standard target: White mat paper (Reflective type only). "3600" is assumed as maximum because the fibre cable has a length of 2 m.
*2 The smallest detectable object was determined at the optimal detecting distance and sensitivity setting.

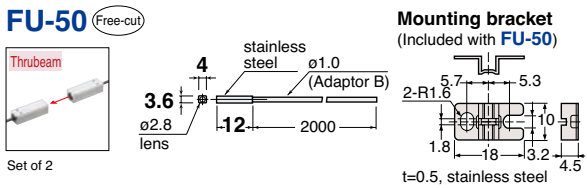
Thru-beam type lens attachment can be found on **P.12**.

Long-distance, retro-reflective type can be found on **P.23**.

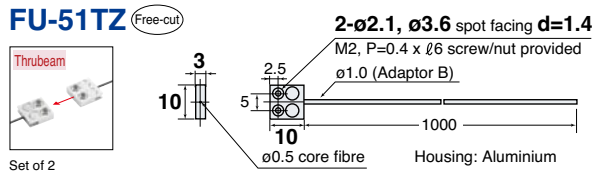
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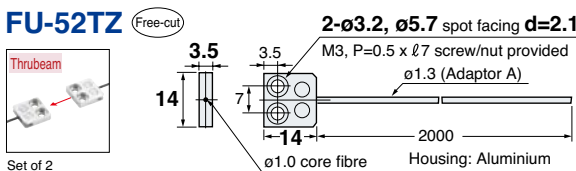
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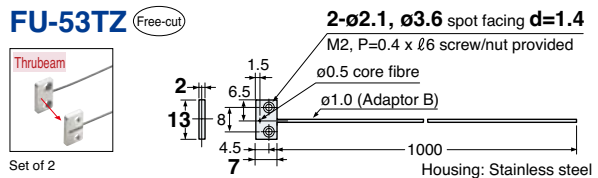
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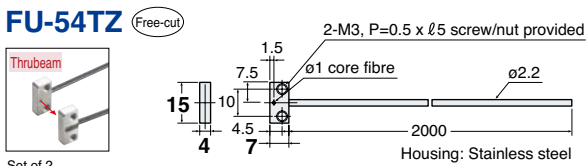
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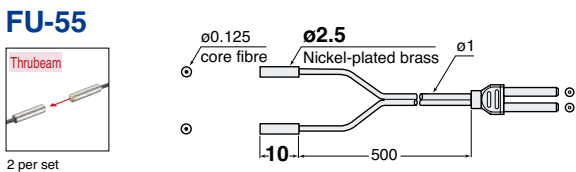
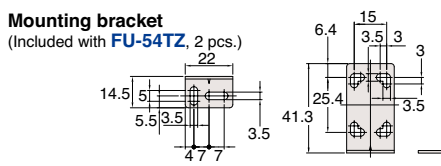
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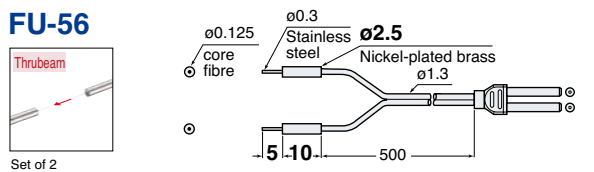
Set of 2



Set of 2



2 per set



Set of 2