

# INDEX

■ Fiber Selection Guide	Choose by model	2
	Choose by shape/application	3
	How to read Model No.	4
	Earlier model comparison table	6
■ New Product Introduction	Tough Fiber	8
■ Fibers	Super Quality	10
	Threaded Type	12
	Square Head Type	14
	Cylindrical Type	16
	Sleeve	18
	Flat Type	20
	Small Spot	22
	Narrow Beam	24
	Wide Beam	25
	Convergent Reflective Type	26
	Retroreflective Type	27
	Chemical / Oil-resistant	28
	Heat-resistant	30
	Vacuum-resistant	32
Liquid Leak / Liquid Detection	34	
■ Fiber Options		42
■ Semi-custom Fibers		46
■ Fiber Dimensions	Thru-beam Type	48
	Retroreflective Type	55
	Reflective Type	56
	Others	66
■ Amplifiers	<b>FX-500</b> series Ver.2	70
	<b>FX-100</b> series	98
■ INDEX		112

# Fiber Selection Guide

## Choose by model

### Thru-beam type

Model No.	Page	
	Sensing range Specifications	Dimensions
FT-140	P.12	P.48
FT-30	P.11	
FT-31	P.12	
FT-31S	P.19	
FT-31W	P.12	
FT-40	P.11	
FT-42	P.12	
FT-42S	P.19	
FT-42W	P.12	
FT-43		
FT-45X	P.25	
FT-A11		
FT-A11W		
FT-A32		
FT-A32W		
FT-AL05		
FT-E13		P.16/P.19
FT-E23		
FT-F93		P.35
FT-H13-FM2		P.30
FT-H20-J20-S		
FT-H20-J30-S		
FT-H20-J50-S		
FT-H20-M1		
FT-H20-VJ50-S		
FT-H20-VJ80-S		
FT-H20W-M1		
FT-H30-M1V-S	P.32	
FT-H35-M2	P.30	
FT-H35-M2S6	P.29	
FT-HL80Y	P.24	
FT-KS40		
FT-KV26		
FT-KV40		
FT-KV40W		
FT-L80Y		P.29
FT-R31		P.15
FT-R40		P.12
FT-R41W		P.15
FT-R42W		
FT-R43		
FT-R44Y	P.15/P.29	
FT-R60Y		
FT-S11	P.16	
FT-S20	P.11	
FT-S21	P.16	
FT-S21W		
FT-S30		
FT-S31W		P.16
FT-S32		P.19
FT-V23		
FT-V24W		
FT-V25		
FT-V30		
FT-V40		
FT-V80Y	P.29	
FT-Z20HBW	P.20	
FT-Z20W		

### Retroreflective type

Model No.	Page	
	Sensing range Specifications	Dimensions
FR-KZ22E	P.24/P.27	P.55
FR-KZ50E		
FR-KZ50H		
FR-Z50HW		

Model No.	Page	
	Sensing range Specifications	Dimensions
FT-Z30	P.20	P.53
FT-Z30E		
FT-Z30EW		
FT-Z30H		
FT-Z30HW		
FT-Z30W		
FT-Z40HBW		
FT-Z40W		
FT-Z802Y		P.29

### Reflective type

Model No.	Page	
	Sensing range Specifications	Dimensions
FD-30	P.11	P.56
FD-31	P.13	
FD-31W		
FD-32G		
FD-32GX		
FD-40	P.11	
FD-41	P.13	
FD-41S	P.19	
FD-41SW	P.13	
FD-41W	P.13/P.23	
FD-42G		
FD-42GW		
FD-60		P.11
FD-61		P.13
FD-61G		P.19
FD-61S		P.13
FD-61W		P.13
FD-62		P.13
FD-64X		P.25
FD-A16		
FD-AL11		
FD-E13	P.17/P.19	
FD-E23		
FD-EG30	P.13/P.23	
FD-EG30S	P.19	
FD-EG31	P.13/P.23	
FD-F4	P.35	
FD-F41		
FD-F41Y		
FD-F71		
FD-F8Y		
FD-FA93		
FD-H13-FM2		
FD-H18-L31		
FD-H20-21		
FD-H20-M1		
FD-H25-L43	P.31	
FD-H25-L45		

Model No.	Page	
	Sensing range Specifications	Dimensions
FD-H30-KZ1V-S	P.32	P.61
FD-H30-L32	P.31	
FD-H30-L32V-S	P.32	
FD-H35-20S	P.31	
FD-H35-M2		
FD-H35-M2S6		
FD-HF40Y	P.35	
FD-L10	P.26	
FD-L11		
FD-L12W		
FD-L20H		
FD-L21		
FD-L21W		
FD-L22A		
FD-L23		
FD-L30A		
FD-L31A		
FD-L32H	P.15/P.23	
FD-R31G		
FD-R32EG		
FD-R33EG		
FD-R34EG		
FD-R41		P.15
FD-R60		P.13
FD-R61Y		P.15/P.29
FD-S21		P.17
FD-S30		P.11
FD-S31	P.17	
FD-S32		
FD-S32W		
FD-S33GW		
FD-S60Y		P.29
FD-V30		P.19
FD-V30W		
FD-V50		
FD-Z20HBW		P.21
FD-Z20W		
FD-Z40HBW		
FD-Z40W		
FD-Z50HW	P.24	

New product introduction

Tough Fiber

Fiber Selection Guide

Model

Choose by shape/application

How to read Model No

Earlier models comparison table

Fibers

Super Quality

Threaded Type

Square Head Type

Cylindrical Type

Sleeve

Flat Type

Small Spot

Narrow Beam

Wide Beam

Convergent Reflective Type

Retroreflective Type

Chemical / Oil-resistant

Heat-resistant

Vacuum-resistant

Liquid Leak / Liquid Detection

Fiber Options

Semi-custom fibers

Fiber Dimensions

Thru-beam Type

Retroreflective Type

Reflective Type

Others

Amplifiers

FX-500 series

FX-100 series

INDEX