



# GUIDE TO TIPS, SMARTIPS, AND ADAPTERS

FOR INSPECTION TOOLS:  
[FIP-500](#) | [FIP-400B](#) | [FIP-200](#)

The largest range of tip adapters in the industry  
to match any connector, in any setting.

PATCHCORD TIPS / BULKHEAD ADAPTERS / APC AND UPC /  
SINGLE FIBER / MULTIFIBER / DUPLEX



Check online for  
the latest version.

**EXFO**

# FIP-500 SmartTips

Fastest inspection in the industry for duplex, single-fiber, and multi-fiber connectors.



### Did you know?



By tapping your SmartTip on the FIP-500, pass/fail thresholds will be automatically adjusted to the type of connector under test. This remarkable level of automation prevents threshold selection mistakes, making fiber inspection easier than ever!

## Innovative quick-connect mechanism

Swap tips in a quarter-turn click—a game-changing innovation. No loose parts, not a second wasted. Tip switching can be done with one hand, if needed. It has never been easier to swap between single-fiber, duplex and multi-fiber tips.

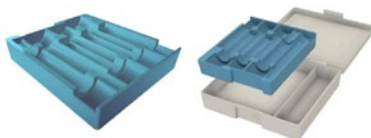


## 3D essentials — your freely printable accessories

### SmartTip organizer

Designed to fit the FIP-500 storage box, the SmartTip organizer will keep your tips neatly arranged.

[Scan the QR code for the CAD files >](#)



### FIP-500 table stand

Print out your table stand using a 3D printer!









[Scan the QR code for the CAD files >](#)



# SmarTips for most common connectors types

Each connector needs the appropriate adapter when it comes to fiber inspection. To make it as easy as possible to use or order the tip adapter needed, EXFO has put together this quick reference guide. It includes the full array of tips available, associated connectors and respective ordering information.

## FIP-500 SmarTips for single-fiber connectors

Optical head	Adapter tips APC		Connector	Adapter tips UPC		Optical head
	Jumper	Bulkhead		Bulkhead	Jumper	
 OHSF Optical head for single-fiber	 STIP-U2.5-A	 STIP-SC-A	 SC simplex	 STIP-SC-FC-U	 STIP-U2.5-U	 OHSF Optical head for single-fiber
		 STIP-SC-A-L (long reach)	 SC duplex	 STIP-SC-U-L (long reach)		
		 STIP-FC-A	 FC simplex	 STIP-SC-U-A60		
		N/A	 ST simplex	 STIP-ST-U		
		 STIP-E2000-A	 E2000 simplex	 STIP-E2000-U		
		 STIP-E2000-A	 E2000 duplex	 STIP-E2000-U		
 OHSF-A60 Optical head with 60° angle for single-fiber	 STIP-U1.25-A	N/A	 MU simplex	 STIP-MU-U	 STIP-U1.25-U	 OHSF-A60 Optical head with 60° angle for single-fiber
		N/A	 MU duplex	 STIP-LC-U		
		 STIP-LC-A	 LC simplex	 STIP-LC-U-L		
		 STIP-LC-A-L		 STIP-LC-U-A60		
		 STIP-LC-A-A60		 STIP-LC-U-L		
		 STIP-LC-A-A60		 STIP-LC-U-A60		

## FIP-500 SmarTips for multi-fiber connectors

Optical head	Tip	Jumper	Connector	Bulkhead	Tip	Optical head
	 RAC-MPO-12-Type A (key up/down)  RAC-MPO-16-Type A +  STIP-MPO-A		MPO-8/12/16/ 24/32/48/64 APC		 STIP-MPO-A	
	 RAC-MPO-12-Type A (key up/down)  RAC-MPO-16-Type A +  STIP-MPO-U		MPO-8/12/16/ 24/32/48/64 UPC		 STIP-MPO-U	
	 SN-MT bulkhead adapter +  STIP-SN-MT-A		SN-MT/APC		 STIP-SN-MT-A	
 OHMF Optical head for multi-fiber	 RAC-PLOK-MT +  STIP-PLOK-MT-A		Evolv® multifiber Pushlok™		 STIP-PLOK-MT-A	 OHMF Optical head for multi-fiber
 OHMF-A60 Optical head with 60° angle for multi-fiber	 RAC-MPO-12-Type A (key up/down) +  STIP-MPO-A-KL		CommScope SYSTIMAX		 STIP-MPO-A-KL	 OHMF-A60 Optical head with 60° angle for multi-fiber
	 RAC-MPO-12-MT +  STIP-MPO-U		MPO-MT Ferrule UPC		 STIP-MPO-U	
	 RAC-MPO-12-MT +  STIP-MPO-A		MPO-MT Ferrule APC		 STIP-MPO-A	
	 MMC bulkhead adapter +  STIP-MMC-A		MMC APC 12/16/24		 STIP-MMC-A	

# Industry's first single-step duplex inspection





















































50% time saving on duplex connector inspection, thanks to the innovative SmarTip design that provides a pass/fail diagnosis for each fiber simultaneously, as well as a dual fiber view.



## FIP-500 SmarTips for duplex connectors

Optical head	Tip	Jumper	Connector	Bulkhead	Tip	Optical head
	 STIP-LC-DF-U +  LC/UPC duplex bulkhead adapter		LC/UPC duplex	 LC/UPC duplex bulkhead adapter	 STIP-LC-DF-U	
	 STIP-LC-DF-A +  LC/APC duplex bulkhead adapter		LC/APC duplex	 LC/APC duplex bulkhead adapter	 STIP-LC-DF-A	
 OHMF Optical head for multi-fiber	 STIP-SN-DF-U +  SN bulkhead adapter		SN duplex	 SN bulkhead adapter	 STIP-SN-DF-U	 OHMF Optical head for multi-fiber
 OHMF-A60 Optical head with 60° angle for multi-fiber	 STIP-CS-DF-U +  CS bulkhead adapter		CS duplex	 CS bulkhead adapter	 STIP-CS-DF-U	 OHMF-A60 Optical head with 60° angle for multi-fiber
	 STIP-MDC-DF-A +  MDC bulkhead adapter		MDC duplex APC	 MDC bulkhead adapter	 STIP-MDC-DF-A	
	 STIP-QODC-2-DF-U-F		Q-ODC duplex		 STIP-QODC-2-DF-U-M	

## FIP-500 SmartTips for FTTx connectors

Optical head	Tip	Plug	Connector	Socket	Tip	Optical head
 OHSF Optical head for single-fiber   OHSF-A60 Optical head with 60° angle for single-fiber	 STIP-U2.5-A	 DLX connector	 DLX connector	 STIP-DLX-A	 OHSF Optical head for single-fiber   OHSF-A60 Optical head with 60° angle for single-fiber	
	 STIP-U2.5-A	 OptiTap® (OptiSheath® multiport terminal, in-line tether extender or flexible service terminals)	 OptiTap® (OptiSheath® multiport terminal, in-line tether extender or flexible service terminals)	 STIP-OTAP-A		
	 STIP-U2.5-A	 Corning Evolv® solution with Pushlok™ technology	 Corning Evolv® solution with Pushlok™ technology	 STIP-PLOK-A-A60		
	 STIP-SFADP-400 + FIPT-400-ODC-S	 Outdoor connector ODC-2 fibers	 Outdoor connector ODC-2 fibers	 STIP-SFADP-400 + FIPT-400-ODC- 2PIN-P-K		
 OHMF Optical head for multi-fiber   OHMF-A60 Optical head with 60° angle for multi-fiber	 STIP-ODC-4-DF-U-F	 Outdoor connector ODC-4 fibers	 Outdoor connector ODC-4 fibers	 STIP-ODC-4-DF-U-M	 OHMF Optical head for multi-fiber   OHMF-A60 Optical head with 60° angle for multi-fiber	
	 STIP-QODC-12-U-F	 Outdoor connector Q-ODC-12 UPC	 Outdoor connector Q-ODC-12 UPC	 STIP-QODC-12-U-M		
	 STIP-QODC-12-A-F	 Outdoor connector Q-ODC-12 APC	 Outdoor connector Q-ODC-12 APC	 STIP-QODC-12-A-M		
	 STIP-QODC-2-DF-U-F*	 Q-ODC duplex	 Q-ODC duplex	 STIP-QODC-2-DF-U-M*		
	 STIP-OTIP-A-F	 OptiTip® and HMFOC Up to 12 fibers	 OptiTip® and HMFOC Up to 12 fibers	 STIP-OTIP-A-M		
	 STIP-IP9-MPO-A	 IP9-MPO	 IP9-MPO	 STIP-MPO-A		
	 STIP-MPO-A + RAC-FCMPO-A	 FastConnect MPO/APC	 FastConnect MPO/APC	 STIP-MPO-A		

\* The duplex tip tests 2 connectors simultaneously.

# FIP-500 GD optical heads

The GD optical heads are specifically designed with tips to address specialized applications that require access to deep and densely packed scenarios. Their slim design matches the dimensions of VSFF connectors, enabling inspection in dense environments without risking damage or disconnection of neighboring connectors.



Tip	Jumper	Connector	Bulkhead	Tip
 RAC-MPO-12-Type A (key up/down) + RAC-MPO-16-Type A or  OHMF-GD-MPO-A or OHMF-GD-L-MPO-A-KL		MPO-8/12/16/ 24/32/48/64 APC		 OHMF-GD-MPO-A or OHMF-GD-L-MPO-A-KL
 RAC-MPO-12-Type A (key up/down) +  OHMF-GD-MPO-U-KL		MPO-8/12/16/ 24/32/48/64 UPC		 OHMF-GD-MPO-U-KL
 FOCD-STM adapter +  OHMF-GD-OCON-MTP-A		opticalCON MTP® 12/16/24/48 APC	 MTP 48 MTP 12 MTP 16 MTP 24	 OHMF-GD-OCON-MTP-A
 FOCD-STM adapter +  OHMF-GD-OCON-MTP-U		opticalCON MTP® 12/16/24/48 UPC	 MTP 48 MTP 12 MTP 16 MTP 24	 OHMF-GD-OCON-MTP-U





# FIP-500 SmarTip ordering information

EXFO offers multiple patchcord tips and bulkhead adapters for both single-fiber and multi-fiber applications. These tips and adapters are built to fit the wide range of fiber connector types and design encountered in the field. The following tips and adapters are compatible with EXFO's FIP-500 and FIP-400B series and can be ordered separately or in kits. Please refer to the chart below for complete ordering information.

## Optical head

Part number	OHSF	OHSF-A60	OHMF	OHMF-A60
Description	Optical head for single-fiber	Optical long-reach head with 60° angle for single-fiber	Optical head for multi-fiber	Optical long-reach head with 60° angle for multi-fiber
				

## STIPs adapters

Part number	STIP-SFADP-400	RAC-MPO-12-MT	RAC-MPO-12-TypeA	RAC-MPO-16-TypeA
Description	FIP-500 adapter to support FIPT-400 single-fiber tips	MPO-12 to MT hybrid bulkhead adapter (for MT ferrule inspection with a FIP-500 equipped with OHMF optical head and STIP-MPO compatible) APC and UPC	MPO-12 bulkhead adapter Type A (APC): opposite key (key up to key down)	MPO-16 bulkhead adapter Type A (APC): opposite key (key up to key down)
				


## Universal patchcord STIPs

Part number	STIP-U1.25-U	STIP-U1.25-A	STIP-U2.5-U	STIP-U2.5-A
Description	Universal 1.25 mm/UPC patchcord	Universal 1.25 mm/APC patchcord	Universal 2.5 mm/UPC patchcord	Universal 2.5 mm/APC patchcord
				






## Bulkhead STIPs FC/SC

Part number	STIP-SC-FC-U	STIP-FC-A	STIP-SC-A	STIP-SC-U-L	STIP-SC-A-L
Description	SC/UPC and FC/UPC bulkhead adapter	FC/APC bulkhead adapter	SC/APC bulkhead adapter	SC/UPC extended bulkhead adapter, 117 mm	SC/APC extended bulkhead adapter, 120 mm
					
Part number	STIP-SC-U-A60	STIP-OTAP-A	STIP-DLX-A		
Description	SC/UPC, 60° angle bulkhead adapter, 103 mm	OptiTap® APC bulkhead adapter	DLX hardened fiber optic bulkhead adapter, 119.4 mm		
					


## Bulkhead STIPs LC

Part number	STIP-LC-U	STIP-LC-A	STIP-LC-U-A60	STIP-LC-A-A60	STIP-LC-U-L	STIP-LC-A-L
Description	LC/UPC bulkhead adapter	LC/APC bulkhead adapter	LC/UPC, 60° angle bulkhead adapter, 92.44 mm	LC/APC, 60° angle bulkhead adapter, 92.44 mm	LC/UPC extended bulkhead adapter, 116 mm	LC/APC extended bulkhead adapter, 120.4 mm
						

## Specials STIPs

Part number	STIP-E2000-U	STIP-E2000-A	STIP-MU-U	STIP-ST-U	STIP-PLOK-A-A60
Description	E-2000/UPC bulkhead adapter, 123.6 mm	E-2000/APC bulkhead adapter, 123.6 mm	MU/UPC extended bulkhead adapter	ST/UPC bulkhead adapter	Pushlok™/APC, 60° angle terminal, 124.4 mm
					






## Duplex STIPs

Part number	STIP-LC-DF-U	STIP-LC-DF-A	STIP-CS-DF-U	STIP-SN-DF-U	STIP-QODC-2-DF-U	STIP-MDC-DF-A
Description	LC/UPC duplex bulkhead adapter, 123.2 mm	LC/APC duplex bulkhead adapter, 120 mm	CS/UPC duplex bulkhead adapter, 119.2 mm	SN/UPC duplex bulkhead adapter, 118.4 mm	UPC duplex bulkhead adapter male/female included	MDC duplex bulkhead adapter, 111.4 mm
						

## Multi-fiber STIPs

Part number	STIP-MPO-U	STIP-MPO-A	STIP-IP9-MPO-A	STIP-MPO-A-KL	STIP-QODC-12-U	STIP-QODC-12-A
Description	MPO/UPC for MPO 8/12/16 up to 4 rows, 69.2 mm	MPO/APC for MPO 8/12/16 up to 4 rows, 68.8 mm	IP9 MPO/APC connectors	Keyless MPO/APC for MPO 8/12/16 up to 4 rows. Compatible with CommScope inverted key system.	QODC-12-UPC (12 fibers) male/female included	QODC-12-APC (12 fibers) male/female included
						
Part number	STIP-OTIP-A	FastConnect MPO/APC	STIP-MMC-A	STIP-SN-MT-A	STIP-PLOK-MT-A	STIP-ODC-4-DF
Description	OptiTip® and HMF0C APC male/female included	Huawei FastConnect MPO/APC bulkhead adapter	MMC-APC 12/16/24 bulkhead adapter, 133 mm	SN-MT/APC, 130.2 mm	Evolv® multifiber Pushlok™, 124.4 mm	ODC-4 (4 fibers) male/female included
						
Part number	OHEMF-GD-MPO-A	OHEMF-GD-MPO-U-KL	OHEMF-GD-OCON-MTP-A	OHEMF-GD-OCON-MTP-U	OHEMF-GD-L-MPO-A-KL	
Description	Long-reach MPO/APC optical head, 104.4 mm	Long-reach MPO/APC keyless optical head, 102.8 mm	Neutrik opticalCON® ADVANCED APC (singlemode), 104.5 mm	Neutrik opticalCON® ADVANCED UPC (multimode), 102.8 mm	Extra long-reach MPO/APC keyless optical head, 228.5 mm	
						

## STIPs kits

Part number	STIP-SCU-K	STIP-SCA-K	STIP-LC-K	STIP-LCU-K	STIP-LCA-K
Description	<b>Universal 2.5 mm/ SC-UPC kit including:</b> <ul style="list-style-type: none"> <li>• STIP-U2.5-U</li> <li>• STIP-SC-FC-U</li> </ul> 	<b>Universal 2.5 mm/ SC-APC kit including:</b> <ul style="list-style-type: none"> <li>• STIP-U2.5-A</li> <li>• STIP-SC-A</li> </ul> 	<b>LC kit including:</b> <ul style="list-style-type: none"> <li>• STIP-LC-U: FIP-500 SmarTip: LC/UPC bulkhead adapter</li> <li>• STIP-LC-A: FIP-500 SmarTip: LC/APC bulkhead adapter</li> <li>• STIP-U1.25-U: FIP-500 SmarTip: Universal 1.25 mm/UPC patchcord</li> <li>• STIP-U1.25-A: FIP-500 SmarTip: Universal 1.25 mm/APC patchcord</li> </ul> 	<b>LC/UPC kit including:</b> <ul style="list-style-type: none"> <li>• STIP-LC-U: FIP-500 SmarTip: LC/UPC bulkhead adapter</li> <li>• STIP-U1.25-U: FIP-500 SmarTip: Universal 1.25 mm/UPC patchcord</li> </ul> 	<b>LC/APC kit including:</b> <ul style="list-style-type: none"> <li>• STIP-LC-A: FIP-500 SmarTip: LC/APC bulkhead adapter</li> <li>• STIP-U1.25-A: FIP-500 SmarTip: Universal 1.25 mm/APC patchcord</li> </ul> 

## FIP-500 kits

Part number	FIP-500-KIT-1	FIP-500-KIT-2	FIP-500-KIT-3	FIP-500-KIT-4	FIP-500-KIT-5
Description	<b>MPO UPC inspection kit including:</b> <ul style="list-style-type: none"> <li>• FIP-500-1</li> <li>• Interchangeable multi-fiber optical head (OHMF)</li> <li>• MPO/UPC SmarTip (STIP-MPO-U)</li> <li>• Soft carrying case (GP-10-071)</li> </ul> 	<b>MPO APC inspection kit including:</b> <ul style="list-style-type: none"> <li>• FIP-500-1</li> <li>• Interchangeable multi-fiber optical head (OHMF)</li> <li>• MPO/APC SmarTip (STIP-MPO-A)</li> <li>• Soft carrying case (GP-10-071)</li> </ul> 	<b>MPO UPC and APC inspection kit including:</b> <ul style="list-style-type: none"> <li>• FIP-500-1</li> <li>• Interchangeable multi-fiber optical head (OHMF)</li> <li>• MPO/UPC SmarTip (STIP-MPO-U)</li> <li>• MPO/APC SmarTip (STIP-MPO-A)</li> <li>• Soft carrying case (GP-10-071)</li> </ul> 	<b>Single-fiber UPC bulkhead adapter and patchcord inspection kit including:</b> <ul style="list-style-type: none"> <li>• FIP-500-1</li> <li>• Interchangeable single-fiber optical head (OHSF)</li> <li>• SC and FC/UPC bulkhead SmarTip (STIP-SC-FC-U)</li> <li>• Universal 2.5 mm UPC patchcord SmarTip (STIP-U2.5-U)</li> <li>• LC/UPC bulkhead adapter SmarTip (STIP-LC-U)</li> <li>• Universal 1.25 mm UPC patchcord SmarTip (STIP-U1.25-U)</li> <li>• Soft carrying case (GP-10-071)</li> </ul> 	<b>Single-fiber APC bulkhead adapter and patchcord inspection kit including:</b> <ul style="list-style-type: none"> <li>• FIP-500-1</li> <li>• Interchangeable single-fiber optical head (OHSF)</li> <li>• SC/APC bulkhead adapter SmarTip (STIP-SC-A)</li> <li>• Universal 2.5 mm APC patchcord SmarTip (STIP-U2.5-A)</li> <li>• LC/APC bulkhead adapter SmarTip (STIP-LC-A)</li> <li>• Universal 1.25 mm APC patchcord SmarTip (STIP-U1.25-A)</li> <li>• Soft carrying case (GP-10-071)</li> </ul> 

## Accessories

Part number	GP-2299	GP-2302	GP-10-071	GP-10-116
Description	Compartmented plastic case for STIP	Belt holster for FIP-500	Small-size soft carrying case	Rigid carrying case
				

# FIP-500 compatibility with FIPT-400 tips



FIPT	COMPATIBILITY WITH STIP-SFADP-400	FIP-500 EQUIVALENT AVAILABILITY
FIPT-400-AD-A6	X	✓ OHSF-A60 ✓ OHMF-A60
FIPT-400-CS	✓ rev. C	✓ STIP-CS-DF-U
FIPT-400-D4	✓ rev. A and C	X
FIPT-400-E2000-APC	X	✓ STIP-E2000-A
FIPT-400-E2000-UPC	X	✓ STIP-E2000-U
FIPT-400-E2000A-A6	✓ rev. A and C	X
FIPT-400-Evolv	✓ rev. C	X
FIPT-400-FC/APC	✓ rev. A and C	✓ STIP-FC-A
FIPT-400-FC-SC	✓ rev. C	✓ STIP-SC-FC-U
FIPT-400-FC-SC-A6	X	✓ STIP-SC-U-A60
FIPT-400-LC-A6	X	✓ STIP-LC-U-A60
FIPT-400-LC-APC	✓ rev. C	✓ STIP-LC-A
FIPT-400-LC-APC-L	✓ rev. C	✓ STIP-LC-A-L
FIPT-400-LC-D (APC/UPC)	✓ rev. A and C	✓ STIP-LC-DF-A
FIPT-400-LC-L (UPC)	✓ rev. C	✓ STIP-LC-U-L
FIPT-400-LC-L-137	✓ rev. A and C	✓ STIP-LC-U-L
FIPT-400-LC-SQ	✓ rev. C	✓ STIP-LC-U
FIPT-400-MDC	✓ rev. A and C	X
FIPT-400-MDC-APC	✓ rev. C	✓ STIP-MDC-DF-A
FIPT-400-MIL-2CPA	✓ rev. C	X
FIPT-400-MU	✓ rev. A and C	✓ STIP-MU-U
FIPT-400-MU-L	✓ rev. A and C	X

FIPT	COMPATIBILITY WITH STIP-SFADP-400	FIP-500 EQUIVALENT AVAILABILITY
FIPT-400-MU-L-149	✓ rev. A and C	X
FIPT-400-ODC-2PINP	✓ rev. A and C	✓ STIP-QODC-2-DF-U-M
FIPT-400-ODC-S	✓ rev. A and C	STIP-ODC-4-DF
FIPT-400ODC2PINP-K	✓ rev. C	X
FIPT-400-OTAP-APC	X	✓ STIP-OTAP-A
FIPT-400-SC-APC	✓ rev. A and C	✓ STIP-SC-A
FIPT-400-SC-APC-L	✓ rev. C	✓ STIP-SC-A-L
FIPT-400-SC-L	✓ rev. C	✓ STIP-SC-U-L
FIPT-400-SC-L-149	✓ rev. A and C	✓ STIP-SC-U-L
FIPT-400-SN	✓ rev. C	✓ STIP-SN-DF-U
FIPT-400-ST/UPC	✓ rev. A and C	✓ STIP-ST-U
FIPT-400-U12M	✓ rev. C	✓ STIP-U1.25-U
FIPT-400-U12MA	✓ rev. C	✓ STIP-U1.25-A
FIPT-400-U16F	✓ rev. A and C	X
FIPT-400-U16M	✓ rev. A and C	X
FIPT-400-U20M2	✓ rev. A and C	X
FIPT-400-U25M	✓ rev. C	✓ STIP-U2.5-U
FIPT-400-U25MA	✓ rev. C	✓ STIP-U2.5-A


















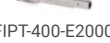




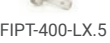




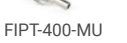

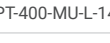









# FIP-400B tip series

FIP-400B fiber inspection scopes use a different set of tips. However, these tips can also be used with the FIP-500 by simply adding the optical head for single fiber.



Listed below are the most common types of connectors and tips for the FIP-400B series or the FIP-500 equipped with an OHSF.

## Single-fiber connectors

Adapter tips APC		Connector			Adapter tips UPC	
Jumper	Bulkhead				Bulkhead	Jumper
FIPT-400-U25MA	 FIPT-400-SC-APC		SC simplex		 FIPT-400-SC-L	FIPT-400-U25M
	 FIPT-400-SC-APC-L		SC duplex		 FIPT-400-SC-L-149	
	 FIPT-400-FC-APC		FC simplex		 FIPT-400-FC-SC	
	N/A		ST simplex		 FIPT-400-FC-SC-A6	
	 FIPT-400-E2000-APC		E2000 simplex		 FIPT-400-ST	
FIPT-400-U12MA	 FIPT-400-E2000-APC		E2000 duplex		 FIPT-400-E2000	FIPT-400-U12M
			LX-5 simplex		 FIPT-400-E2000A-A6	
	N/A		LX-5 duplex		 FIPT-400-LX.5	
			MU simplex		 FIPT-400-MU	
FIPT-400-LC-D-APC	 FIPT-400-MU-L		MU duplex		 FIPT-400-MU-L	FIPT-400-LC-D
			LC simplex		 FIPT-400-MU-L-149	
			LC duplex		 FIPT-400-LC-SQ	
FIPT-400-LC-APC-L	 FIPT-400-LC-APC-L		LC simplex		 FIPT-400-LC-L	FIPT-400-LC-D
			LC duplex		 FIPT-400-LC-A6	
FIPT-400-LC-D-APC	 FIPT-400-LC-L		LC simplex		 FIPT-400-LC-L	FIPT-400-LC-D
			LC duplex		 FIPT-400-LC-L-137	



Not needed when dedicated nozzle for male connector is available, see next page.

### MF-Ready FIP-400B series FIPT for MPO connectors

Jumper		Connector			Bulkhead	
FIPT-400-MF-MPO*			MPO 12-24 UPC		FIPT-400-MF-MPO*	
FIPT-400-MF-MPO-APC*			MPO 12-24 APC		FIPT-400-MF-MPO-APC*	
FIPT-400-MF-MPO-X*			MPO 16-32 UPC		FIPT-400-MF-MPO-X*	

### MF-Ready FIP-400B series FIPT for FTTH connectors

Drop cable		Connector			Terminal port	
FIPT-400-U25MA			OptiTap® (OptiSheath® multiport terminal, in-line tether extender or flexible service terminals)		FIPT-400-OTAP-APC	
FIPT-400-MF-OTIP-MT-APC*			OptiTip® and HMFOC up to 12 fibers		FIPT-400-MF-OTIP-MT-APC*	
FIPT-400-U25MA			Corning Evolv® solution with Pushlok™ technology		FIPT-400-Evolv	











### MF-Ready FIP-400B series FIPT for FTTA connectors

Socket		Connector			Plug	
FIPT-400-ODC-S			Outdoor connector (ODC) 2 fibers		FIPT-400-ODC-2PIN-P-K	
			Outdoor connector (ODC) 4 fibers		FIPT-400-ODC-4PIN-P-K	
FIPT-400-MF-QODC-12*			Outdoor connector Q-ODC-12 UPC		FIPT-400-MF-QODC-12*	
FIPT-400-MF-QODC-12-APC*			Outdoor connector Q-ODC-12 APC		FIPT-400-MF-QODC-12-APC*	




\* Requires the FIP-400B MF-Ready version.

# FIP-400B Tip ordering information

## Universal patchcord FIPT-400 tips

Part number	FIPT-400-U12M	FIPT-400-U12MA	FIPT-400-U16M	FIPT-400-U16F	FIPT-400-U20M2
Description	Universal patchcord tip for 1.25 mm ferrules	Universal patchcord tip for 1.25 mm ferrules (APC)	Universal 1.6 mm/PC tip for male connector	Universal 1.6mm/PC bulkhead (female side)	Universal patchcord tip for 2.0 mm ferrules (D4, Lemo)
					
Part number	FIPT-400-U25M	FIPT-400-U25MA	FIPT-400-Evolv	FIPT-400-LC-D	FIPT-400-LC-D-APC
Description	Universal patchcord tip for 2.5 mm ferrules	Universal patchcord tip for 2.5 mm ferrules (APC)	Single-fiber port of the Corning Evolv® terminal for the Pushlok™ connector	Duplex patchcord tip for LC/UPC connectors	Duplex patchcord tip for LC/APC connectors
					




## FIPT-400 adapters

Part number	FIPT-400-ADAPTER*	FIPT-400-AD-A6	FIPT-400-AD-P5
Description	<b>Adapter tip</b> Allows the user to attach any Westover scope tips that does not include optics to EXFO's scope	<b>60° adapter tip</b> Allows the user to obtain 60° angle capabilities on certain standard scope tips that do not include optics	<b>EXFO FIP tips to Westover FIP adapter</b> Allows the user to attach some EXFO FIP-400B scope tips to the old Westover scope
			

## ODC 2 and 4 fibers tips and guides

Part number	FIPT-400-ODC-U	FIPT-400-ODC-2PIN-P	FIPT-400-ODC-4PIN-P	FIPT-400-ODC-S
Description	ODC universal guided tip (to be used with a plug guide)	ODC 2 pin plug (female) guide tip	ODC 4 pin plug (female) guide tip	ODC socket (male) tip
				

## Q-ODC® duplex tips and guides

Part number	FIPT-400-QODC-2P	FIPT-400-QODC-2P-P	FIPT-400-QODC-2P-S
Description	Q-ODC universal guided tip (to be used with a guide tip)	Q-ODC 2 pin plug (female) guide tip	Q-ODC 2 pin socket (male) guide tip
			

## Bulkhead FIPT-400 tips

<b>Part number</b>	<b>FIPT-400-D4</b>	<b>FIPT-400-E2000</b>	<b>FIPT-400-E2000-APC*</b>	<b>FIPT-400-E2000A-A6</b>	<b>FIPT-400-FC-APC</b>	<b>FIPT-400-FC-SC</b>
<b>Description</b>	D4 tip for bulkhead adapter	E-2000 tip for bulkhead adapter	E2000 APC tip for bulkhead adapter	E2000 APC angled tip for bulkhead adapter; 60° angle	FC/APC tip for bulkhead adapter	FC and SC tip for bulkhead adapter
						
<b>Part number</b>	<b>FIPT-400-FC-SC-A6</b>	<b>FIPT-400-LC-SQ</b>	<b>FIPT-400-LC-A6</b>	<b>FIPT-400-LC-L</b>	<b>FIPT-400-LC-L-137</b>	<b>FIPT-400-LC-APC</b>
<b>Description</b>	FC and SC angled tip for bulkhead adapter; 60° angle	LC tip for bulkhead adapter	LC angled tip for bulkhead adapter; 60° angle	Extended LC tip for PC bulkhead adapter; 58.5 mm	Extended LC tip for PC bulkhead adapter; 137 mm	LC/APC tip for bulkhead adapter
						
<b>Part number</b>	<b>FIPT-400-LC-APC-L</b>	<b>FIPT-400-LEMO</b>	<b>FIPT-400-LX.5</b>	<b>FIPT-400-LX5-APC*</b>	<b>FIPT-400-MDC-APC</b>	<b>FIPT-400-MIL-2CPA</b>
<b>Description</b>	LC/APC extended tip for bulkhead connector; 61 mm	Lemo bulkhead adapter	LX.5/PC tip for bulkhead connector	LX.5/APC tip for bulkhead adapter	MDC tip for MDC/APC bulkhead connector	Tip to inspect Glenair D38999 plug for 1.6 mm ferrules
						
<b>Part number</b>	<b>FIPT-400-MTRJ*</b>	<b>FIPT-400-MU</b>	<b>FIPT-400-MU-L</b>	<b>FIPT-400-MU-L-149</b>	<b>FIPT-400-SC-APC</b>	<b>FIPT-400-SC-APC-L</b>
<b>Description</b>	MTRJ tip for MTRJ bulkhead	MU tip for bulkhead adapter	Extended MU tip for PC bulkhead adapter	Extended MU tip for PC bulkhead adapter; 149 mm	SC/APC tip for bulkhead adapter	SC angled extended tip for bulkhead connector; 54 mm
						
<b>Part number</b>	<b>FIPT-400-SC-L</b>	<b>FIPT-400-SC-L-149</b>	<b>FIPT-400-SMA*</b>	<b>FIPT-400-SMAM*</b>	<b>FIPT-400-ST</b>	<b>FIPT-400-OTAP-APC</b>
<b>Description</b>	Extended SC tip for PC bulkhead adapter; 56.5 mm	Extended SC tip for PC bulkhead adapter; 149 mm	SMA tips for bulkhead connector	SMA tip for male connector	ST tip for bulkhead adapter	OptiTap® bulkhead adapter
						
<b>Part number</b>	<b>FIPT-400-SN</b>	<b>FIPT-400-CS</b>	<b>FIPT-400-HZF-APC</b>			
<b>Description</b>	SN/UPC bulkhead connector (including SN bulkhead adapter for patchcord inspection)	CS/UPC bulkhead connector (including CS bulkhead adapter for patchcord inspection)	FIP-400 tip to support the Huawei, ZTE and FiberHome terminals			
						







\* Pass/Fail analysis not supported.

## Automated multifiber tips, nozzles and adapters\*

<b>Part number</b>	<b>FIPT-400-MF-MPO</b>	<b>FIPT-400-MF-MPO-APC</b>	<b>FIPT-400-MF-MPO-K</b>	<b>FIPT-400-MF-MPO-X</b>	<b>FIPT-400-MF-MPOX-A</b>
<b>Description</b>	Automated tip for MPO/UPC connectors (12-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 24 fibers.	Automated tip for MPO/APC connectors (12-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 24 fibers.	Automated tip kit for MPO/UPC and MPO/APC connectors (12-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 24 fibers.	Automated tip for MPO-16/UPC connectors (16-fiber row); one-hand operation. Compatible with single- and dual-row connectors, up to 32 fibers.	Automated tip for MPO-16/APC connectors (16-fiber row); one-hand operation. Compatible with single- and dual-row connectors, up to 32 fibers.
					
<b>Part number</b>	<b>FIPT-400-MF-MPOX-K</b>	<b>FIPT-400-NZ-MPO</b>	<b>FIPT-400-NZ-MPO-APC</b>	<b>FIPT-NZ-MPO-X</b>	<b>FIPT-NZ-MPO-X-APC</b>
<b>Description</b>	Automated tip kit for MPO/UPC and MPO/APC connectors (16-fiber row); one-hand operation. Compatible with single- and dual-row connectors, up to 32 fibers.	MPO/UPC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Compatible with single- and dual-row connectors, up to 24 fibers.	MPO/APC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Compatible with single- and dual-row connectors, up to 24 fibers.	MPO/UPC replaceable nozzle for FIPT-400-MF automated tip for 16-fiber row connectors. Compatible with single- and dual-row connectors, up to 32 fibers.	MPO/APC replaceable nozzle for FIPT-400-MF automated tip for 16-fiber row connectors. Compatible with single- and dual-row connectors, up to 32 fibers.
					
<b>Part number</b>	<b>FIPT-MPO-BLK</b>	<b>FIPT-MPO-X-BLK</b>	<b>FIPT-400-MF-QODC12</b>	<b>FIPT-400-MF-QODC12-APC</b>	<b>FIPT-400-NZ-QODC12</b>
<b>Description</b>	Specialized bulkhead adapter for patchcord inspection for 12-fiber row connectors. Compatible with single- and dual-row connectors, up to 24 fibers.	Specialized bulkhead adapter for patchcord inspection for 16-fiber row connectors. Compatible with single- and dual-row connectors, up to 32 fibers.	Automated tip for QODC-12/UPC connectors (12 fibers); one-hand operation. Compatible with plug and socket connectors.	Automated tip for QODC-12/APC connectors (12 fibers); one-hand operation. Compatible with plug and socket connectors.	QODC-12/UPC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Include nozzles for plug and socket connectors.
					
<b>Part number</b>	<b>FIPT-400-NZ-QODC12-APC</b>	<b>FIPT-400-MF-OTIP-APC</b>	<b>FIPT-400-NZ-OTIP-APC</b>	<b>FIPT-400-MF-MT</b>	<b>FIPT-400-MF-MT-APC</b>
<b>Description</b>	QODC-12/APC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Include nozzles for plug and socket connectors.	Automated tip for OptiTip® MT/APC and HMFOC APC connectors (12-24 fibers); one-hand operation. Compatible with single and dual-row connectors, up to 24 fibers, and with male and female connectors.	OptiTip® MT/APC and HMFOC APC replaceable nozzle for FIPT-400-MF automated tip, includes 2 nozzles for male and female connectors.	Automated multifiber tip for MT/UPC patchcord connectors (12 and 16-fiber row); one-hand operation. Compatible with single- and dual-row connectors.	Automated multifiber tip for MT/APC patchcord connectors (12 and 16-fiber row); one-hand operation. Compatible with single- and dual-row connectors.
					
<b>Part number</b>	<b>FIPT-400-MF-MT-K</b>	<b>FIPT-400-NZ-MT</b>	<b>FIPT-400-NZ-MT-APC</b>		
<b>Description</b>	Automated multifiber tip for MT/UPC and MT/APC patchcord connectors (12 and 16-fiber row); one-hand operation. Compatible with single- and dual-row connectors.	MT/UPC replaceable nozzle for FIPT-400-MF automated tip for MT/UPC patchcord connectors (12 and 16-fiber row). Compatible with single and dual-row connectors.	MT/APC replaceable nozzle for FIPT-400-MF automated tip for MT/APC patchcord connectors (12 and 16-fiber row). Compatible with single and dual-row connectors.		
					









\* Requires the FIP-400B MF-Ready version.

## Manual MPO tips (with scanning knobs), nozzle and adapters




Part number	FIPT-400-MTP-MTR*	FIPT-400-MTP-MTRA	FIPT-400-MTP-MTR-K	FIPT-400-MTPA-TIP	FIPT-400-MTP2-TIP
Description	MTP/MPO multirow UPC tip for bulkhead adapter	MTP/MPO multirow APC tip for bulkhead adapter: includes a bulkhead adapter for patchcord inspection	MTP/MPO multirow APC and UPC tip for bulkhead adapter	MTP/MPO replaceable APC nozzle for single or multirow adapter	MTP/MPO multirow UPC tip for bulkhead adapter: includes a bulkhead adapter for patchcord inspection
					
Part number	FIPT-400-MTP-BLK				
Description	Bulkhead adapter for MPO patchcord inspection				
					

\* Pass/Fail analysis not supported on ConnectorMax Mobile for smart devices.

## Tip adapter kits

Part number	FIPT-400-LC-K		FIPT-400-LC-K-APC	FIPT-400-LC-K-UPC	FIPT-400-SCA-K	FIPT-400-ODC4-PINP-K
Description	<b>LC tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-LC: LC tip for bulkhead adapter</li> <li>• FIPT-400-LC-APC: LC/APC tip for bulkhead adapter</li> <li>• FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules</li> <li>• FIPT-400-U12MA: universal patchcord tip for 1.25 mm ferrules (APC)</li> </ul>		<b>LC tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-LC-APC: LC/APC tip for bulkhead adapter</li> <li>• FIPT-400-U12MA: Universal patchcord tip for 1.25 mm ferrules (APC)</li> </ul>	<b>LC tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-LC: LC tip for bulkhead adapter</li> <li>• FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules</li> </ul>	<b>2.5 mm APC tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-U25MA</li> <li>• FIPT-400-SC-APC</li> </ul>	<b>ODC 4 pin plug (female) guide and universal tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-ODC-U</li> <li>• FIPT-400-ODC-4PIN-P</li> </ul>
						
Part number	FIPT-400-ODC2-4PINP-K	FIPT-400-ODC2-PINP-K	FIPT-400-QODC-2P-K			
Description	<b>ODC 2 and 4 pin plug (female) guides and universal tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-ODC-U</li> <li>• FIPT-400-ODC-2PIN-P</li> <li>• FIPT-400-ODC-4PIN-P</li> </ul>	<b>ODC 2 pin plug (female) guide and universal tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-ODC-U</li> <li>• FIPT-400-ODC-2PIN-P</li> </ul>	<b>QODC 2 pin plug (female), socket (male) guide and universal tip kit including:</b> <ul style="list-style-type: none"> <li>• FIPT-400-QODC-2P</li> <li>• FIPT-400-QODC-2P-P</li> <li>• FIPT-400-QODC-2P-S</li> </ul>			
						

## Accessories for FIPTs

Part number	GP-3108	FIPT-BOX	FIPT-BOX-MF
Description	<b>Compartmented soft pouch for:</b> <ul style="list-style-type: none"> <li>• FIP-400B inspection scope</li> <li>• Tips and accessories</li> </ul>	<b>Compartmented plastic case for:</b> <ul style="list-style-type: none"> <li>• Short reach tips (e.g., FIPT-400-U20M)</li> <li>• Long-reach tips (e.g., FIPT-400-LC-L)</li> </ul>	<b>Compartmented plastic case for:</b> <ul style="list-style-type: none"> <li>• Automated multi-fiber tip (FIPT-400-MF-XX)</li> </ul>
			

## Is my FIP-400B scope MF-Ready?

EXFO's multi-fiber solution is compatible with FIP-400B MF-Ready versions. To verify whether it is MF-Ready, check your FIP-400B for the black retaining nut and the MF-Ready engraving.



If your FIP-400B is not MF-Ready, contact EXFO at [isales@EXFO.com](mailto:isales@EXFO.com) for an upgrade.

# FIP-200 – Connector Checker™

Purpose-built for broadband service activation



## FIP-200 CTip ordering information

EXFO FIP-200 CTips and adapters are designed to fit the wide range of fiber sockets and plugs encountered in FTTH. The following tips and adapters are compatible with EXFO’s FIP-200 series and can be ordered separately or in kits. Please refer to the chart below for complete ordering information.

Part number	OHC-L	OHC-SC	CTIP-SC*	CTIP-LC*	CTIP-OTAP*
<b>Description</b>	FIP-200 long-reach optical head supporting quick-change CTIPs  Includes: • FIP-200 tip: SC bulkhead connector • SC adapter for patchcord inspection	FIP-200 short-reach SC/APC optical head and tip  Includes: • SC adapter for patchcord inspection	To inspect SC bulkhead connector  Includes: • SC adapter for patchcord inspection • Short strap	To inspect LC bulkhead connector  Includes: • LC adapter for patchcord inspection	To inspect OptiTap bulkhead connector  Includes: • OptiTap adapter for patchcord inspection
					
Part number	CTIP-PLOK*	CTIP-DLX*	CTIP-FASTC*		
<b>Description</b>	To inspect Pushlok™ bulkhead connector  Includes: • Pushlok™ adapter for patchcord inspection	To inspect DLX bulkhead connector  Includes: • Pushlok™ adapter for patchcord inspection	To inspect FastConnect bulkhead connector  Includes: • FastConnect adapter for patchcord inspection		
					

\* Requires OHC-L optical head.

## FIP-200 SmarTips/APC

Optical head	Tip	Jumper	Connector	Bulkhead	CTIP	Optical head
 OHC-SC +  SC bulkhead adapter			SC APC		 OHC-SC +  SC bulkhead adapter	
	 CTIP-SC +  SC bulkhead adapter		SC APC		 CTIP-SC	
	 CTIP-LC +  LC bulkhead adapter		LC APC		 CTIP-LC	
 OHC-L	 OptiTap adapter +  CTIP-OTAP		Corning OptiTap® (OptiSheath® multiport terminal, in-line tether extender or flexible service terminals)		 CTIP-OTAP	 OHC-L
	 Pushlok™ adapter +  CTIP-PLOK		Corning Evolv® solution with Pushlok™ technology		 CTIP-PLOK	
	 Pushlok™ adapter +  CTIP-DLX		CommScope DLX		 CTIP-DLX	
	 CTIP-FASTC		Huawei FastConnect APC		 CTIP-FASTC	

## FIP-200 kits

Part number	FIP-200-A-KIT-1	FIP-200-A-KIT-2
Description	<p><b>SC/APC inspection kit including:</b></p> <ul style="list-style-type: none"> <li>• FIP-200-A</li> <li>• OHC-L long-reach optical head</li> <li>• CTIP-SC inspection tip</li> <li>• Soft carrying case (GP-3253)</li> <li>• Power supply (GP-2227)</li> </ul> 	<p><b>SC/APC + LC/APC inspection kit including:</b></p> <ul style="list-style-type: none"> <li>• FIP-200-A</li> <li>• OHC-L long-reach optical head</li> <li>• CTIP-SC inspection tip</li> <li>• CTIP-LC inspection tip</li> <li>• Soft carrying case (GP-3253)</li> <li>• Power supply (GP-2227)</li> </ul> 

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For the most recent patent marking information, please visit [www.EXFO.com/patent](http://www.EXFO.com/patent).

For more information on automated fiber inspection, visit [www.EXFO.com](http://www.EXFO.com)