



# Guide on tips, SmarTips and adapters for EXFO's inspection scopes (FIP-500 and FIP-400B)

The largest range of tip adapters in the industry to match any connector, in all settings possible.

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



Go online for the latest  
version of this guide

**EXFO**

# FIP-500 SmarTips

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



## Did you know?

By tapping your SmarTip 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 and makes 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.
































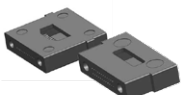


# SmarTips for most common connectors types

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	 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		 STIP-SC-FC-U
		N/A	 ST simplex	 STIP-ST-U		
		 STIP-E2000-A	 E2000 simplex	 STIP-E2000-U		
 OHSF-A60 Optical head with 60° angle for single-fiber	 STIP-U1.25-A	N/A	 MU simplex	 STIP-MU-U	 OHSF-A60 Optical head with 60° angle for single-fiber	
		 STIP-LC-A	 LC simplex	 STIP-LC-U		 STIP-LC-U-L
		 STIP-LC-A-L		 STIP-LC-U-A60		
		 STIP-LC-A-A60				

## FIP-500 SmarTips for multi-fiber connectors

Optical head	Tip	Jumper	Connector	Bulkhead	Tip	Optical head
	 <p>RAC-MPO-12-Type A (key up/key down) + STIP-MPO-U</p>		MPO-8/12/24/48 UPC		 <p>STIP-MPO-U</p>	
	 <p>RAC-MPO-12-Type A (key up/key down) + STIP-MPO-A</p>		MPO-8/12/24/48 APC		 <p>STIP-MPO-A</p>	
	 <p>RAC-MPO-16-Type A + STIP-MPO-U</p>		MPO 16/32/64 UPC		 <p>STIP-MPO-U</p>	
 <p>OHMF Optical head for multi-fiber</p>	 <p>RAC-MPO-16-Type A + STIP-MPO-A</p>		MPO 16/32/64 APC		 <p>STIP-MPO-A</p>	 <p>OHMF Optical head for multi-fiber</p>
 <p>OHMF-A60 Optical head with 60° angle for multi-fiber</p>	 <p>RAC-MPO-12-Type A (key up/key down) + STIP-MPO-A-KL</p>		CommScope SYSTIMAX		 <p>STIP-MPO-A-KL</p>	 <p>OHMF-A60 Optical head with 60° angle for multi-fiber</p>
	 <p>RAC-MPO-12-MT + STIP-MPO-U</p>		MPO-MT Ferrule UPC	 <p>RAC-MPO-12-MT</p>	 <p>STIP-MPO-U</p>	
	 <p>RAC-MPO-12-MT + STIP-MPO-A</p>		MPO-MT Ferrule APC	 <p>RAC-MPO-12-MT</p>	 <p>STIP-MPO-A</p>	



# Unique duplex inspection in a single step

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.













































**Inspecting  
2 fiber endfaces  
simultaneously**

## FIP-500 SmarTips for duplex connectors

Optical head	Tip	Jumper	Connector	Bulkhead	Tip	Optical head
	 STIP-LC-DF-U +  LC duplex bulkhead adapter		LC duplex	 LC duplex bulkhead adapter	 STIP-LC-DF-U	
 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-QODC-2-DF-U-F		Q-ODC duplex		 STIP-QODC-2-DF-U-M	

## FIP-500 SmarTips for FTTx connectors

Optical head	Tip	Socket	Connector	Plug	Tip	Optical head
 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)		 STIP-OTAP-A	 OHSF Optical head for single-fiber   OHSF-A60 Optical head with 60° angle for single-fiber
	 STIP-SFADP-400		Outdoor connector (ODC) 2 fibers		 STIP-SFADP-400 +  FIPT-400-ODC- 2PIN-P-K	
	 FIPT-400-ODC-S		Outdoor connector (ODC) 4 fibers		 STIP-SFADP-400 +  FIPT-400-ODC- 4PIN-P-K	
 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		 STIP-QODC-12-U-M	 OHMF Optical head for multi-fiber   OHMF-A60 Optical head with 60° angle for multi-fiber
	 STIP-QODC-12-A-F		Outdoor connector Q-ODC-12 APC		 STIP-QODC-12-A-M	
	 STIP-QODC-2-DF-U-F Note: the duplex tip tests 2 connectors simultaneously		Q-ODC duplex		 STIP-QODC-2-DF-U-M Note: the duplex tip tests 2 connectors simultaneously	
	 STIP-OTIP-A-F		OptiTip® and HMFOC® Up to 12 fibers		 STIP-OTIP-A-M	
	 STIP-IP9-MPO-A		IP9-MPO		 STIP-MPO-A	





# 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 connector (for MT ferrule inspection with a FIP-500 equipped with OHMF optical head and STIP-MPO compatible) APC and UPC	MPO-12 bulkhead connector Type A (APC): opposite key (key up to key down)	MPO-16 bulkhead connector 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 connector	FC/APC bulkhead connector	SC/APC bulkhead connector	SC/UPC extended bulkhead connector	SC/APC extended bulkhead connector
					
Part number	STIP-SC-U-A60	STIP-OTAP-A			
Description	LC/UPC, 60° angle bulkhead connector	OptiTap/APC bulkhead connector			
					





## 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 connector	LC/APC bulkhead connector	LC/UPC, 60° angle bulkhead connector	LC/APC, 60° angle bulkhead connector	LC/UPC extended bulkhead connector	LC/APC extended bulkhead connector
						

## Specials STIPs

Part number	STIP-E2000-U	STIP-E2000-A	STIP-MU-U	STIP-ST-U
Description	E-2000/UPC bulkhead connector	E-2000/APC bulkhead connector	MU/UPC extended bulkhead connector	ST/UPC bulkhead connector
				

## Duplex STIPs






Part number	STIP-LC-DF-U	STIP-CS-DF-U	STIP-SN-DF-U	STIP-QODC-2-DF-U
Description	LC/UPC DUPLEX bulkhead connector	CS/UPC DUPLEX bulkhead connector	SN/UPC DUPLEX bulkhead connector	UPC DUPLEX bulkhead connector male/female included
				

## 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	MPO/APC for MPO 8/12/16 up to 4 rows	IP9 MPO/APC connectors	Keyless MPO/APC for MPO 8/12/16 up to 4 rows. Compatible with CommScope inverted key system	UPC (12 fibers) male/female included	APC (12 fibers) male/female included
						
Part number	STIP-OTIP-A					
Description	OptiTip™-HMF0C®/APC male/female included					
						



## 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 connector</li> <li>• STIP-LC-A: FIP-500 SmarTip: LC/APC bulkhead connector</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 connector</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 connector</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 connector 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 connector 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 connector 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 connector SmarTip (STIP-SC-A)</li> <li>• Universal 2.5 mm APC patchcord SmarTip (STIP-U2.5-A)</li> <li>• LC/APC bulkhead connector 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



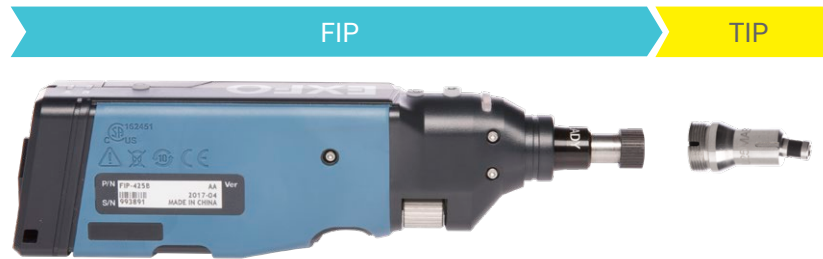
FIPT	COMPATIBILITY WITH STIP-SFADP-400	FIP-500 EQUIVALENT AVAILABILITY
FIPT-400-AD-A6	X	✓ OHSF-A60 ✓ OHMF-A60
FIPT-400-CS	✓ rev. C	✓ STIP-CS-DF-U
FIPT-400-D4	✓ rev. A and C	X
FIPT-400-E2000-APC	X	✓ STIP-E2000-A
FIPT-400-E2000-UPC	X	✓ STIP-E2000-U
FIPT-400-FC/APC	✓ rev. A and C	✓ STIP-FC-A
FIPT-400-FC-SC	✓ 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-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-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-400-MU-L-149	✓ rev. A and C	X
FIPT-400-ODC-2PINP	✓ rev. A and C	✓ STIP-QODC-2-DF-U-M
FIPT-400ODC2PINP-K	✓ rev. C	X
FIPT-400-OTAP-APC	X	✓ STIP-OTAP-A

FIPT	COMPATIBILITY WITH STIP-SFADP-400	FIP-500 EQUIVALENT AVAILABILITY
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
FIPT-400-U25MA-R	✓ rev. C	X
FIPT-400-U25M-R	✓ rev. C	X

FIPT	COMPATIBILITY WITH STIP-SFADP-400	FIP-500 EQUIVALENT IN DEVELOPMENT
FIPT-400-LC-D (APC & UPC)	✓ rev. A and C	STIP-LC-DF-A
FIPT-400-MDC-APC	✓ rev. C	STIP-MDC-DF-A
FIPT-400-ODC-S	✓ rev. A and C	STIP-ODC-4-DF

# FIP-400B tip series

Our 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-LX5-APC		E2000 duplex		FIPT-400-E2000	FIPT-400-U12M
			E2000 duplex		FIPT-400-E2000A-A6	
	N/A		LX-5 simplex		FIPT-400-LX.5	
			LX-5 duplex		FIPT-400-MU	
FIPT-400-LC-D-APC	FIPT-400-LC-APC		MU simplex		FIPT-400-MU-L	
			MU duplex		FIPT-400-MU-L-149	
	FIPT-400-LC-APC-L		LC simplex		FIPT-400-LC-SQ	
FIPT-400-LC-D-APC	FIPT-400-LC-APC-L		LC duplex		FIPT-400-LC-A6	FIPT-400-LC-D
			LC duplex		FIPT-400-LC-L	
					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

<b>Part number</b>	<b>FIPT-400-U12M</b>	<b>FIPT-400-U12MA</b>	<b>FIPT-400-U16M</b>	<b>FIPT-400-U16F</b>	<b>FIPT-400-U20M2</b>	<b>FIPT-400-U25M</b>
<b>Description</b>	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)	Universal patchcord tip for 2.5 mm ferrules
						
<b>Part number</b>	<b>FIPT-400-U25M-R</b>	<b>FIPT-400-U25MA</b>	<b>FIPT-400-U25MA-R</b>	<b>FIPT-400-Evolv</b>	<b>FIPT-400-LC-D</b>	<b>FIPT-400-LC-D-APC</b>
<b>Description</b>	Ultra-rugged universal patchcord tip for 2.5 mm ferrule	Universal patchcord tip for 2.5 mm ferrules (APC)	Ultra-rugged universal patchcord tip for 2.5 mm/APC ferrule	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

<b>Part number</b>	<b>FIPT-400-ADAPTER*</b>	<b>FIPT-400-AD-A6</b>	<b>FIPT-400-AD-P5</b>
<b>Description</b>	<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

<b>Part number</b>	<b>FIPT-400-ODC-U</b>	<b>FIPT-400-ODC-2PIN-P</b>	<b>FIPT-400-ODC-4PIN-P</b>	<b>FIPT-400-ODC-S</b>
<b>Description</b>	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

<b>Part number</b>	<b>FIPT-400-QODC-2P</b>	<b>FIPT-400-QODC-2P-P</b>	<b>FIPT-400-QODC-2P-S</b>
<b>Description</b>	Q-ODC universal guided tip (to be used with a guide guide)	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	58.5 mm, extended LC tip for PC bulkhead adapter	137 mm, extended LC tip for PC bulkhead adapter	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>	61 mm, LC/APC extended tip for bulkhead connector	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	149 mm, extended MU tip for PC bulkhead adapter	SC/APC tip for bulkhead adapter	54 mm, SC angled extended tip for bulkhead connector
						
<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>	56.5 mm, extended SC tip for PC bulkhead adapter	149 mm, extended SC tip for PC bulkhead adapter	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 for 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>
	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>
	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.	FIPT-400-MF 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>
	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. Compatible with male and female connectors.	Optitip MT/APC and HMFOC®/APC replaceable nozzle for FIPT-400-MF automated tip, includes two 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>		
	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/UPC multirow tip for bulkhead adapter	MTP/MPO multirow APC tip for bulkhead adapter: includes a bulkhead adapter for patchcord inspection	MTP-MPO/APC and UPC multirow tip for bulkhead adapter	MTP-MPO/APC replaceable nozzle for single or multirow adapter	MTP/MPO multirow APC tip for bulkhead adapter: w a bulkhead adapter for patchcord inspection
					
Part number	FIPT-400-MTP-BLK				
Description	Bulkhead adapter for MPO patchcord inspection				
					

## 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 adapters</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>
			

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



## 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.

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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/KeepTheFocus](http://www.EXFO.com/KeepTheFocus)