



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

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



Smarter  
network  
in sight.

 **Specialized Products**  
C O M P A N Y

**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 and makes fiber inspection easier than ever!



## Innovative and patented Quick-connect mechanism

Swap tips in a quarter-turn click—a small but life-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



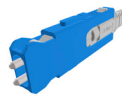
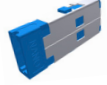




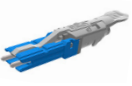



| Optical head  | Adapter tips APC  |  | Connector  | Adapter tips UPC   |  | Optical head  |
|---|---|--|--|--|--|---|
|   | Male  | Female   |  | Male   | Female   |   |
| <br>OHSF<br>Optical head<br>for single-fiber | <br>STIP-U2.5-A  | <br>STIP-SC-A   | <br>SC Simplex    |    | <br><a href="#">STIP-SC-FC-U</a>  | <br>OHSF<br>Optical head<br>for single-fiber                         |
|   |   | <br>STIP-SC-A-L<br>(long reach, for areas that are difficult to access) | <br>SC Duplex     |    | <br>STIP-SC-U-L<br>(long reach, for areas that are difficult to access)   |   |
|   |   | <br>STIP-FC-A   | <br>FC Simplex    |    | <br><a href="#">STIP-SC-FC-U</a>  |   |
|   |   | N/A  | <br>ST Simplex    |    | <br><a href="#">STIP-ST-U</a>   |   |
|   |   | <br>STIP-E2000-A   | <br>E2000 Simplex |    | <br><a href="#">STIP-E2000-U</a>   |   |
|   | <br>OHSF-A60<br>Optical head with<br>60° angle for<br>single-fiber | N/A  | <br>MU Simplex  |  | <br><a href="#">STIP-MU-U</a>   | <br>OHSF-A60<br>Optical head with<br>60° angle for<br>single-fiber |
|   |   |  | <br>MU Duplex   |  | <br><a href="#">STIP-U1.25-U</a>  |   |
|   | <br>STIP-U1.25-A   | <br>STIP-LC-A   | <br>LC Simplex  |  | <br><a href="#">STIP-LC-U</a>   | <br>OHMF<br>Optical head for<br>multi-fiber                        |
|   |   | <br>STIP-LC-A-L   | <br>LC Duplex   |  | <br><a href="#">STIP-LC-U-L</a>   |   |
|   |   | <br>STIP-LC-A-A60   |  |  | <br><a href="#">STIP-LC-DF-U</a><br>+<br><br>LC Duplex<br>bulkhead adapter |   |

## FIP-500 SmarTips for multi-fiber connectors



































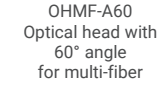









| Optical head   | Tip  | Jumper  | Connector             | Bulkhead  | Tip  | Optical head   |
|--|--|---|-----------------------|---|--|--|
|  |  <p>RAC-MPO-12-Type A<br/>(key up/key down)<br/>+<br/>STIP-MPO-U</p>      |    | MPO-8/12/24/48 UPC    |                         |  <p>STIP-MPO-U</p>    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



## FIP-500 SmarTips for duplex connectors

| Optical head   | Tip   | Jumper  | Connector | Bulkhead  | Tip   | Optical head   |
|--|---|---|-----------|---|---|--|
| <br>OHMF<br>Optical head<br>for multi-fiber                       | <br>STIP-SN-DF-U |  | SN Duplex | <br>SN bulkhead adapter | <br>STIP-SN-DF-U | <br>OHMF<br>Optical head<br>for multi-fiber                       |
| <br>OHMF-A60<br>Optical head with<br>60° angle<br>for multi-fiber | <br>STIP-CS-DF-U |  | CS Duplex | <br>CS bulkhead adapter | <br>STIP-CS-DF-U | <br>OHMF-A60<br>Optical head with<br>60° angle<br>for multi-fiber |

## FIP-500 SmarTips for FTTX connectors

| Optical head  | Tip   | Socket  | Connector   | Plug   | Tip  | Optical head  |
|---|---|---|---|--|--|---|
| <br>OHSF<br>Optical head for<br>single-fiber                         | <br>STIP-U2.5-A  |    | OptiTap®<br>(OptiSheath® Multiport<br>terminal, in-line<br>tether extender<br>or flexible service<br>terminals) |    | <br>STIP-OTAP-A   | <br>OHSF<br>Optical head for<br>single-fiber                         |
| <br>OHSF-A60<br>Optical head with<br>60° angle for<br>single-fiber | <br>STIP-SFADP-400   |   | Outdoor connector<br>(ODC) 2 fibers   |   | <br>STIP-SFADP-400<br>+<br><br>FIPT-400-ODC-<br>2PIN-P-K   | <br>OHSF-A60<br>Optical head with<br>60° angle for<br>single-fiber |
|   | <br>FIPT-400-ODC-S   |  | Outdoor connector<br>(ODC) 4 fibers   |  | <br>STIP-SFADP-400<br>+<br><br>FIPT-400-ODC-<br>4PIN-P-K |   |
| <br>OHMF<br>Optical head for<br>multi-fiber                        | <br>STIP-QODC-12-U-F   |  | Outdoor connector<br>Q-ODC-12 UPC   |  | <br>STIP-QODC-12-U-M  |   |
| <br>OHMF<br>Optical head for<br>multi-fiber                        | <br>STIP-QODC-12-A-F   |  | Outdoor connector<br>Q-ODC-12 APC   |  | <br>STIP-QODC-12-A-M  | <br>OHMF<br>Optical head for<br>multi-fiber                        |
| <br>OHMF-A60<br>Optical head with<br>60° angle<br>for multi-fiber  | <br>STIP-QODC-2-DF-U-F<br>note: the duplex tip<br>tests 2 connectors<br>simultaneously |  | Q-ODC Duplex  |  | <br>STIP-QODC-2-DF-U-M<br>note: the duplex tip<br>tests 2 connectors<br>simultaneously  |   |
| <br>OHMF-A60<br>Optical head with<br>60° angle<br>for multi-fiber  | <br>STIP-OTIP-A-F  |  | OptiTip® and HMFOC®<br>Up to 12 fibers  |  | <br>STIP-OTIP-A-M   | <br>OHMF-A60<br>Optical head with<br>60° angle<br>for multi-fiber  |
|   | <br>STIP-IP9-MPO-A   |  | IP9-MPO   |  | <br>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-400 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 head with 60° angle for single-fiber                                      | Optical head for multi-fiber  | Optical 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 | <u>STIP-LC-U</u>  | <u>STIP-LC-A</u>  | <u>STIP-LC-U-A60</u>  | <u>STIP-LC-A-A60</u>   | <u>STIP-LC-U-L</u>  | <u>STIP-LC-A-L</u>  |
|-------------|---|---|---|--|---|---|
| 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 | <u>STIP-E2000-U</u>   | <u>STIP-E2000-A</u>   | <u>STIP-MU-U</u>  | <u>STIP-ST-U</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 | <u>STIP-LC-DF-U</u>   | <u>STIP-CS-DF-U</u>   | <u>STIP-SN-DF-U</u>   | <u>STIP-QODC-2-DF-U</u>  |
|-------------|---|---|---|--|
| Description | LC/UPC DUPLEX bulkhead connector  | CS/UPC DUPLEX bulkhead connector  | SN/UPC DUPLEX bulkhead connector  | UPC DUPLEX bulkhead connector<br>Male/female included                                |
|             |  |  |  |  |

## Multi-fiber STIPs

| Part number | <u>STIP-MPO-U</u>   | <u>STIP-MPO-A</u>   | <u>STIP-IP9-MPO-A</u>   | <u>STIP-MPO-A-KL</u>  | <u>STIP-QODC-12-U</u>   | <u>STIP-QODC-12-A</u>   |
|-------------|---|---|---|---|---|---|
| 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)<br>Male/female included   | APC (12 fibers)<br>Male/female included   |
|             |  |  |  |         |  |  |
| Part number | <u>STIP-OTIP-A</u>  |   |   |   |   |   |
| Description | OptiTip™-HMFOC®/<br>APC<br>Male/female included                                     |   |   |   |   |   |
|             |  |   |   |   |   |   |

## Kit STIPs

| Part number | STIP-SCU-K  | STIP-SCA-K  | STIP-LC-K  | STIP-LCU-K  | STIP-LCA-K  |
|-------------|---|---|--|---|---|
| Description | Universal 2.5 mm/<br>SC-UPC kit includes:<br>› STIP-U2.5-U<br>› STIP-SC-FC-U      | Universal 2.5 mm/<br>SC-APC kit includes:<br>› STIP-U2.5-A<br>› STIP-SC-A         | LC kit includes:<br>› STIP-LC-U: FIP-500 SmarTip: LC/UPC bulkhead connector<br>› STIP-LC-A: FIP-500 SmarTip: LC/APC bulkhead connector<br>› STIP-U1.25-U: FIP-500 SmarTip: Universal 1.25 mm/UPC patchcord<br>› STIP-U1.25-A: FIP-500 SmarTip: Universal 1.25 mm/APC patchcord | LC/UPC kit includes:<br>› STIP-LC-U: FIP-500 SmarTip: LC/UPC bulkhead connector<br>› STIP-U1.25-U: FIP-500 SmarTip: Universal 1.25 mm/UPC patchcord | LC/APC kit includes:<br>› STIP-LC-A: FIP-500 SmarTip: LC/APC bulkhead connector<br>› STIP-U1.25-A: FIP-500 SmarTip: Universal 1.25 mm/APC patchcord |
|             |  |  |   |    |    |

## 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

FIP-500

OPTICAL HEAD

ADAPTER

FIPT-400 TIP



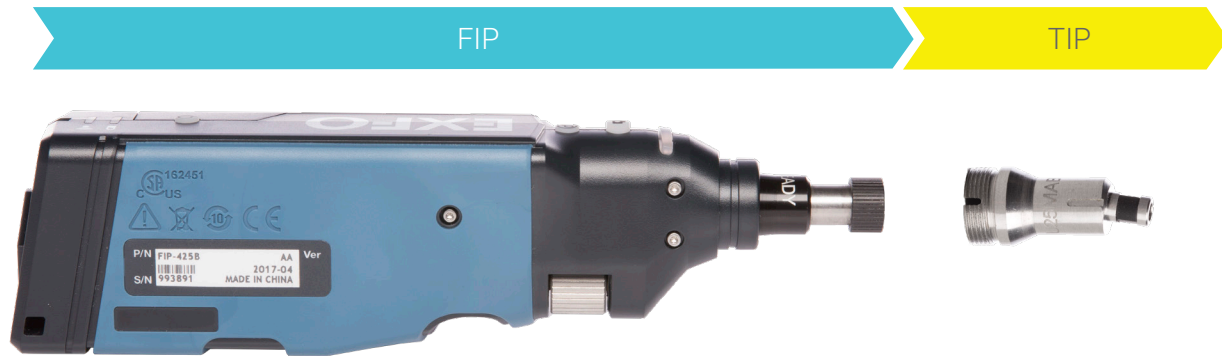
| FIPT                | COMPATIBILITY WITH STIP-SFADP-400 | FIP-500 EQUIVALENT AVAILABILITY |
|---------------------|-----------------------------------|---------------------------------|
| FIPT-400-AD-A6      | X                                 | ✓ OHSF-A60<br>✓ OHMF-A60        |
| FIPT-400-CS         | ✓ 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                      | 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                     |
| <u>FIPT-400-U12M</u>  | ✓ rev. C                          | ✓ STIP-U1.25-U                  |
| <u>FIPT-400-U12MA</u> | ✓ rev. C                          | ✓ STIP-U1.25-A                  |
| FIPT-400-U16F         | ✓ rev. A and C                    | X                               |
| <u>FIPT-400-U16M</u>  | ✓ rev. A and C                    | X                               |
| <u>FIPT-400-U20M2</u> | ✓ rev. A and C                    | X                               |
| <u>FIPT-400-U20M2</u> | ✓ rev. C                          | X                               |
| <u>FIPT-400-U25M</u>  | ✓ rev. C                          | ✓ STIP-U2.5-U                   |
| <u>FIPT-400-U25MA</u> | ✓ 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 |
|--------------------------------------|-----------------------------------|-----------------------------------|
| <u>FIPT-400-LC-D (APC &amp; UPC)</u> | ✓ 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-400 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   |   |
|---|---|---|---------------|--|--|---|
| Male  | Female  |   |               |  | Male   | Female  |
| <br><a href="#">FIPT-400-U25MA</a> | <br><a href="#">FIPT-400-SC-APC</a>   |   | SC Simplex    |   | <br><a href="#">FIPT-400-U25M</a> | <br><a href="#">FIPT-400-FC-SC</a> |
|   | <br><a href="#">FIPT-400-FC-APC</a>  |  | SC Duplex     |  |  |   |
|   | N/A   |  | FC Simplex    |  |  | <br><a href="#">FIPT-400-ST</a>    |
|   | <br>FIPT-400-E2000-APC               |  | E2000 Simplex |  |  | <br>FIPT-400-E2000                 |
|   |   |  | E2000 Duplex  |  |  |   |
| <br><a href="#">FIPT-400-U12MA</a> | <br><a href="#">FIPT-400-LX5-APC</a> |  | LX-5 Simplex  |  | <br><a href="#">FIPT-400-U12M</a> | <br>FIPT-400-LX.5                  |
|   | N/A   |  | LX-5 Duplex   |  |  | <br>FIPT-400-MU                    |
|   |   |  | MU Simplex    |  |  |   |
|   |   |  | MU Duplex     |  |  |   |
| <br>FIPT-400-LC-D-APC              | <br>FIPT-400-LC-APC                  |  | LC Simplex    |  | <br><a href="#">FIPT-400-LC-D</a> | <br><a href="#">FIPT-400-LC-SQ</a> |
|   |   |  | LC Duplex     |  |  |   |











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 *<br>     |  | MPO 12-24 UPC |  | FIPT-400-MF-MPO *<br>     |
| FIPT-400-MF-MPO-APC *<br> |  | MPO 12-24 APC |  | FIPT-400-MF-MPO-APC *<br> |
| FIPT-400-MF-MPO-X *<br>   |  | MPO 16-32 UPC |  | FIPT-400-MF-MPO-X *<br>   |

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

| Drop cable   | Connector   |   |   | Terminal port  |
|--|---|---|---|--|
| FIPT-400-U25MA<br>            |   | OptiTap®<br>(OptiSheath® multiport terminal, in-line tether extender or flexible service terminals) |  | FIPT-400-OTAP-APC<br>         |
| FIPT-400-MF-OTIP-MT-APC *<br> |  | OptiTip® and HMFOC®<br>Up to 12 fibers  |  | FIPT-400-MF-OTIP-MT-APC *<br> |













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

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




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

# FIP-400 Tip ordering information





## Universal patchcord FIPT-400 tips

|             |   |   |   |  |   |   |
|-------------|---|---|---|--|---|---|
| Part number | <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>  |
| 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)                              | Universal patchcord tip for 2.5 mm ferrules   |
|             |  |  |  |  |  |  |
| Part number | <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>  |
| Description | 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

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

## ODC 2 & 4 fibers tips and guides

|             |   |   |   |   |
|-------------|---|---|---|---|
| Part number | <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>   |
| 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 | <b>FIPT-400-QODC-2P</b>   | <b>FIPT-400-QODC-2P-P</b>   | <b>FIPT-400-QODC-2P-S</b>   |
| 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                                       | 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  |
|                    |    |       |    |    |    |    |
| <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 adapters   | 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-MDC-APC (NS2949)</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) | MDC tip for NS2949 MDC/APC Bulkhead connector                                       |  |   |   |
|                    |  |     |  |  |   |   |






\* 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&16-fiber row), one-hand operation. Compatible with single- and dual-row connectors.        | Automated multifiber tip for MT/APC patchcord connectors (12&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&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&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&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: includes 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 | LC tip kit including:<br>› FIPT-400-LC: LC tip for bulkhead adapters<br>› FIPT-400-LC-APC: LC/APC tip for bulkhead adapter<br>› FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules<br>› FIPT-400-U12MA: universal patchcord tip for 1.25 mm ferrules (APC) | LC tip kit including:<br>› FIPT-400-LC-APC: LC/APC tip for bulkhead adapter<br>› FIPT-400-U12MA: Universal patchcord tip for 1.25 mm ferrules (APC) | LC tip kit including:<br>› FIPT-400-LC: LC tip for bulkhead adapters<br>› FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules                            | 2.5 mm APC tip kit including:<br>› FIPT-400-U25MA<br>› FIPT-400-SC-APC                | ODC 4 pin plug (female) guide and universal tip<br>Kit includes:<br>› FIPT-400-ODC-U<br>› FIPT-400-ODC-4PIN-P |
|             |    |    |    |  |                          |
| Part number | FIPT-400-ODC2-4PINP-K   | FIPT-400-ODC2-PINP-K  | FIPT-400-QODC-2P-K   |   |   |
| Description | ODC 2 and 4 pin plug (female) guides and universal tip<br>Kit includes:<br>› FIPT-400-ODC-U<br>› FIPT-400-ODC-2PIN-P<br>› FIPT-400-ODC-4PIN-P   | ODC 2 pin plug (female) guide and universal tip<br>Kit includes:<br>› FIPT-400-ODC-U<br>› FIPT-400-ODC-2PIN-P                                       | QODC 2 pin plug (female) and socket (male) guide and universal guided tip<br>Kit includes:<br>› FIPT-400-QODC-2P<br>› FIPT-400-QODC-2P-P<br>› FIPT-400-QODC-2P-S |   |   |
|             |    |    |   |   |   |

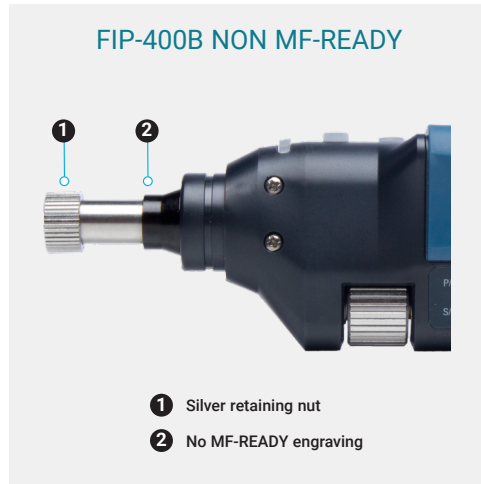
## Accessories for FIPTs

| Part number | GP-3108   | FIPT-BOX  | FIPT-BOX-MF  |
|-------------|---|---|--|
| Description | Compartmented soft pouch<br>› (1) one FIP-400B inspection probe<br>› Tips and accessories | Compartmented plastic case for tips<br>› short reach tips (e.g., FIPT-400-U20M) and long reach tips (e.g., FIPT-400-LC-L) | Compartmented plastic case for tips MF<br>› FIPT-400-MF-XX automated multi-fiber tip |
|             |        |                                        |   |

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

## Is my FIP-400 probe 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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