



## BULKHEAD RECEPTACLES, SLEEVETHRU ADAPTERS, AND UNIVERSAL SLEEVETHRU ADAPTERS

### Features

- Precise aligned connection for industry-standard flat or angled FC/PC, FC/APC, SMA, LC/PC, SC/PC and ST/PC
- Low insertion loss
- Various receptacles and sleeve-thru adapter designs and configurations

### Applications

- Connection of two fibers terminated with FC/PC, FC/APC, SMA, LC/PC, SC/PC, and ST/PC connectors
- Connection of one fiber terminated with FC/PC, FC/APC, SMA, LC/PC, SC/PC, and ST/PC connectors to free space



Sleeve-thru adapters for ultra, super, or angled connectors.

### Product Description

OZ Optics produces high quality bulkhead receptacles, sleeve-thru adapters and universal sleeve-thru adapters for a variety of connectors.

Bulkhead receptacles allow one to attach fiber patchcords to an opening, to project light into free space where it can be used by other optical devices, such as lenses and detectors. These receptacles feature precision zirconia sleeves to center the fiber as well as a stop to ensure the fiber tip stops at a precise point in space. We also provide bulkhead receptacles without stoppers for our pigtailed adjustable FC or SMA connectors. We have angled receptacles specifically designed for correct refraction from angle polished connectors.

Sleeve-thru adapters are used to mate two male connectors together. The flange on the receptacle enables the user to mount the adapter onto a housing or box. Our standard receptacles mate fibers terminated with industry standard FC/PC, FC/APC, SMA, SC, LC, and ST connectors. Universal connectors allow one to mate together fibers with different connector types, as long as they are polished the same way.



Bulkhead receptacles for ultra, super, or angled connectors with or without stoppers



FC/SC

ST/SC



FC/SC with square flange



Molded ST/FC



ST/FC

### Universal Connectors

## ORDERING INFORMATION

For Standard Parts, please see our Online Catalog <http://shop.ozoptics.com/>

### Order Examples for Standard Parts:

**Table 1.** Sleeve-thru adapters

BC#	OZ Part #	Description
10	SMPC-03	Flanged sleeve-thru connector for singlemode or polarization maintaining FC/PC connectors. Keyway width is 2.15/2.20 mm wide for 2.14 mm wide (Type N) key connectors.
9	SMPC-03-SP	FC/PC sleeve-thru adapter with 2.14 mm keyway (wide keyway) SP=No flange.
11	PMPC-03	Flanged sleeve-thru connector for polarization maintaining FC/PC connectors. Keyway width is 2.03/2.07 mm wide for 2.00 mm wide (Type R) key connectors.
15917	PMPC-03-"D"	Nickel plated brass with zirconia split sleeve. Panel mount side is a special "D" mount which has three flats on the panel side.
32624	PMPC-03-"D"-SP	PM FC-FC "D" mount sleeve-thru adapter with 2.00 mm OD keyway.
3619	PMPC-03-2.14	Flanged sleeve-thru connector for FC/PC connector conversion. Keyway width on one side is 2.03/2.07 mm wide for 2.00 mm wide (Type R) key connectors, while the other side is 2.15/2.20 mm wide for 2.14 mm wide (Type N) key connectors.
34115	PMPC-03-M	FC sleeve-thru adapter without flange.
25473	PMPC-03-M9	FC/PC sleeve-thru connector with zirconia split sleeve and "D-shaped," M9 mounting hole pattern. Keyway width is 2.03/2.07 mm wide for 2.00 mm wide (Type R) key connectors.
1834	BULK-03-SP	FC/FC sleeve-thru connector adapter w/square flange and chain cap.
3	BULK-05-M	SMA 905 sleeve-thru adapter for MM fiber.
14	BULK-08-S	ST sleeve-thru adapter for SM fiber with 3/8" thru-hole mounting.
12	BULK-08-M	ST sleeve-thru adapter for MM fiber.
32619	BULK-0SC-SP	SC sleeve-thru adapter for SM fiber with phosphor bronze split sleeve.
4759	BULK-0LC-S	LC sleeve-thru adapter for SM fiber.
5217	BULK-0SC-APC	SC/APC singlemode mating for SC/APC connectors.

**Table 2.** Bulkhead receptacles

BC#	OZ Part #	Description
18472	HPLC-NTT/AFC-PM	20 mm OD bulkhead receptacle for adjustable FC connector.
19	HPLC-NTT/FC-PM	20 mm OD bulkhead FC receptacle with a 2.06 mm keyway.
34107	HPLC-NTT/FC-PM-HT	20mm OD bulkhead FC receptacle with a 2.06mm keyway, high tolerance sleeve.
1812	HPLC-NTT/FC-PM-SL3.7	20 mm OD bulkhead angled FC receptacle with a 2.06 mm keyway.
21	HPLC-NTT/FC-SM	20 mm OD bulkhead FC receptacle with a 2.14 mm keyway.
5200	HPLC-NTT/FC-SM-SL3.7	20 mm OD bulkhead angled FC receptacle with a 3.7° slant and a 2.14 mm keyway.
37360	HPLC-NTT/FC-SM-SP2	20 mm OD bulkhead FC receptacle with a 2.14 mm keyway. SP2: Mounting holes with 2.6 mm diameter.
716	HPLC-SMA/M	20 mm OD bulkhead SMA 905 receptacle (with stopper). Black anodized finish.
717	HPLC-25-SMA/M	20 mm OD bulkhead SMA 905 receptacle (without stopper).
46102	HPLC-SMA-ZR	20 mm OD bulkhead SMA 905 receptacle with zirconia insert.
3096	HPLC-ATT/ST-SM-AL	Bulkhead ST receptacle. BA aluminum.
9527	HPLC-LC	20 mm OD bulkhead LC receptacle.
12319	HPLC-SCA-HP	20 mm OD bulkhead angled SC receptacle. Stainless steel.

**Table 3.** Universal Connectors

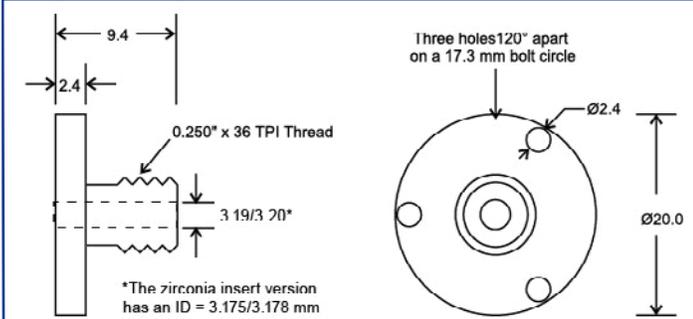
BC#	OZ Part #	Description
14854	AA-200-31.25U	FC to 1.25mm ferrule universal connector adaptor
3198	AA-200-32.5U	FC to 2.5mm ferrule universal connector adaptor
1832	AA-200-38	FC to ST universal connector adaptor
43705	AA-200-3LC	FC to LC universal connector adaptor
1831	AA-200-3SC	FC to SC universal connector adaptor
1950	AA-200-58	SMA 905 to ST universal connector adaptor
1835	AA-200-63	SMA 906 to FC universal connector adaptor
2918	AA-200-68	SMA 906 to ST universal connector adaptor
2883	AA-200-8SC	ST to SC universal connector adaptor
17107	AA-200-ESC	E2000 to SC universal connector adaptor
43704	AA-200-SCLC	SC to LC universal connector adaptor

**Description**

**Part Numbers**  
**BULK-0 X-E**

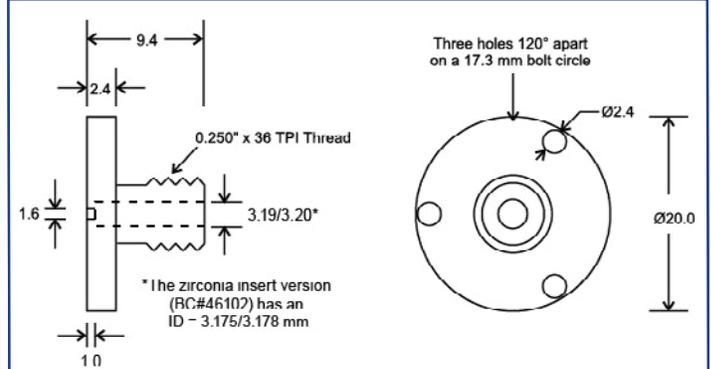
**X:** is the male connector type 3 for NTT-FC compatible, 3A for Angled PC, 5 for SMA 905, 6 for SMA 906, 8 for AT&T-ST, SC for SC connectors, LC for LC connectors)

**E=** is the type of fiber being used (S for singlemode, M for multimode, P for polarization maintaining fiber)



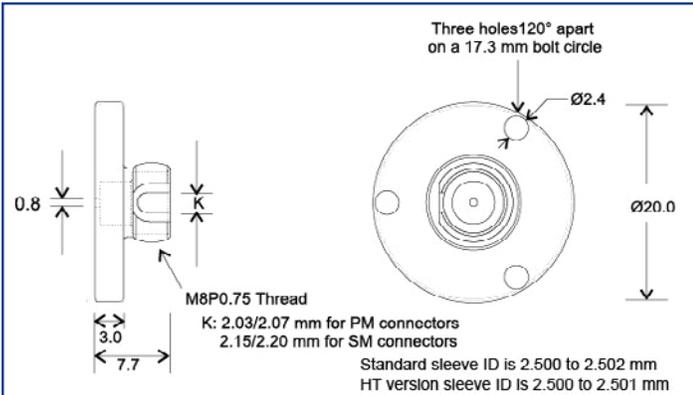
BC#	OZ Part #	ALL DIMENSIONS ARE IN mm
717	HPLC-25-SMA/M	

**Bulkhead SMA Receptacle without Stopper**



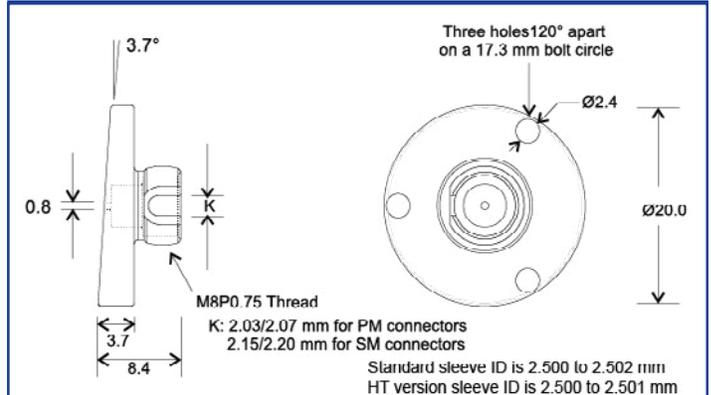
BC#	OZ Part #	ALL DIMENSIONS ARE IN mm
716	HPLC-SMA/M	

**Bulkhead SMA Receptacle with Stopper**



BC#	OZ Part #	ALL DIMENSIONS ARE IN mm
19	HPLC-NTT/FC-PM	
21	HPLC-NTT/FC-SM	
34107	HPLC-NTT/FC-PM-HT	

**Bulkhead FC/PC Receptacle**



BC#	OZ Part #	ALL DIMENSIONS ARE IN mm
718	HPLC-NTT/FC-PM-SL3.7	

**Bulkhead Angled FC/PC Receptacle**