



## SPHERE BAFFLES, MOUNTING POST AND HOLDERS, AND SPHERE BASES

### SPHERE BAFFLES

Sphere baffles are used to prevent light from traveling from one area of the sphere wall to another. We have designed our integrating spheres to allow users to easily install baffles at pre-designated areas within the sphere.

Two designs are available:

- *port to port* style to block light between any two ports located at 90° apart;
- *center to port* style to block light from a given port to the center area of a sphere;
- *center and port to port* style simultaneously blocks light between two ports and a selected port from the center of the sphere.

### Ordering Information:

Baffles are available in each of the above mentioned styles in Optowhite, Zenith and Zenith Gold coatings. Choose a baffle to match the size and interior coating of your sphere. Use the key below to indicate the material or coating needed —replace the **X** in the order number with:

OP = Optowhite – port to port  
 ZP = Zenith – port to port  
 GP = Zenith Gold – port to port

OC – Optowhite – center to port  
 ZC – Zenith – center to port  
 GC – Zenith – center to port

For example: BP-1-GP designates a 1-inch Zenith Gold, port to port baffle  
 BC-1-GC designates a 1 inch Zenith Gold, center to port baffle

SPHERE BAFFLES		
ORDER NUMBER	MOUNTING STYLE	COMPATIBLE SPHERE SIZE
BP-1-XX	Port to Port	For 1 inch spheres
BP-2-XX	Port to Port	For 2 inch spheres
BP-4-XX	Port to Port	For 4 inch spheres
BP-6-XX	Port to Port	For 6 inch spheres
BP-8-XX	Port to Port	For 8 inch spheres
BP-12-XX	Port to Port	For 12 inch spheres
BP-20-XX	Port to Port	For 20 inch spheres
BC-1-XX	Center to Port	For 1 inch spheres
BC-2-XX	Center to Port	For 2 inch spheres
BC-4-XX	Center to Port	For 4 inch spheres
BC-6-XX	Center to Port	For 6 inch spheres
BC-8-XX	Center to Port	For 8 inch spheres
BC-12-XX	Center to Port	For 12 inch spheres
BC-20-XX	Center to Port	For 12 inch spheres
BCPP-1-XX	Center, and Port to Port	For 1 inch spheres
BCPP-2-XX	Center, and Port to Port	For 2 inch spheres
BCPP-4-XX	Center, and Port to Port	For 4 inch spheres
BCPP-6-XX	Center, and Port to Port	For 6 inch spheres
BCPP-8-XX	Center, and Port to Port	For 8 inch spheres

## SPHERE MOUNTING POSTS, POST HOLDERS AND BASES

A variety of post and post holders are available for mounting the integrating sphere to an optical table or to a base plate assembly.

**Posts** are made of stainless steel with a 1/4"-20 (M6) tapped hole at one end and a removable #8-32 (M4) threaded stud at the other. Mounting posts are designed to slide easily into post holders and freely telescope to vertically adjust a sphere height from its mounting base.

**Post Holders** have a wide, square relief cut that has a stable two-line contact for the mating post. A spring loaded plunger within a brass thumbscrew holds the steel post firmly in the post holder.

**Sphere Bases** have either M6 or 1/4-20 threads and include M4 and 1/4-20 adapters to easily accommodate a variety of posts. Sphere bases provide a sturdy mounting stand when an integrating sphere will not be mounted to an optical table.

### METRIC SPHERE POSTS AND HOLDERS

ORDER NUMBER	DESCRIPTION	TAPPED HOLE SIZE	THREAD STUD SIZE	POST HOLDER COMPATABILITY ORDER NUMBER, SIZE
P-40	Post, 40mm	M6	M4	PH-40, 40mm post holder
P-50	Post, 50mm	M6	M4	PH-50, 50mm post holder
P-100	Post, 100mm	M6	M4	PH-100, 100mm post holder
P-150	Post, 150mm	M6	M4	PH-150, 150mm post holder

### SAE SPHERE POSTS AND HOLDERS

ORDER NUMBER	DESCRIPTION	TAPPED HOLE SIZE	THREAD STUD SIZE	POST HOLDER COMPATABILITY ORDER NUMBER, SIZE
P-1	Post, 1 inch -	1/4-20	8-32	PH-1, 1 inch post holder
P-2	Post, 2 inch	1/4-20	8-32	PH-2, 2 inch post holder
P-4	Post, 4 inch	1/4-20	8-32	PH-4, 4 inch post holder
P-6	Post, 6 inch	1/4-20	8-32	PH-6, 6 inch post holder
P-HD-4	Post, Zenith Spheres-4"	1/4-20	8-32	PH-HD-4 post holder
P-HD-6-8	Post, Zenith Spheres- 6 or 8"	1/4-20	8-32	PH-HD-6-8 post holder
B-6-8	Set -Base, Post & Holder	1/4-20	8-32	Set for 6 & 8 inch Zenith

### INTEGRATING SPHERE BASES

ORDER NUMBER	DESCRIPTION	BASE THREAD SIZE
B-51-76	Base, 50.8 x 76.2mm	M6
B-102	Base, 101.6 x 101.6mm	M6
B-153	Base, 152.4 x 152.4mm	M6
B-3-2	Base, 3 x 2 inch	1/4-20
B-4	Base, 4 x 4 inch	1/4-20
B-6	Base, 6 x 6 inch	1/4-20
M6-20	M6 to 1/4-20 Adapter	Adapter
20-M6	1/4-20 to M6 Adapter	Adapter
M6-32	M6 to 8-32 Adapter	Adapter
32-M6	8-32 to M6 Adapter	Adapter