

Supplied with M8 Countersunk, Phillips Head Bolt

GLASS MOUNT HANDRAIL BRACKETS

No structural test data is available for these brackets.

Tube OD	c	Polished Stainless	Polished Brass
1.500"	2 5/8"	993	793
2.000"	2 5/8"	993-2	793-2

HOLE SPECS FOR GLASS

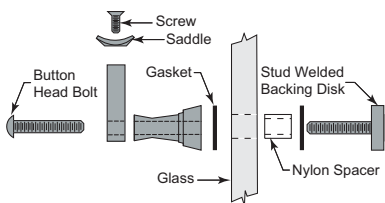
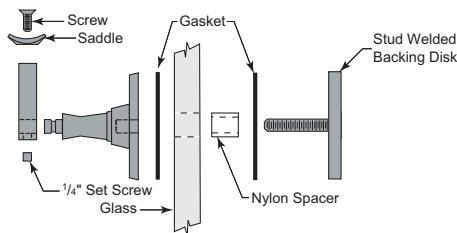
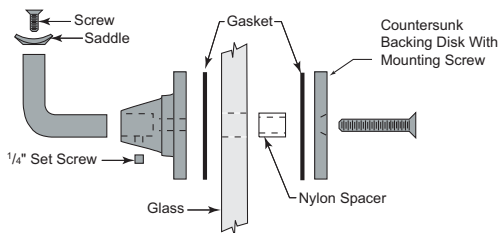
Glass Mount Handrail Brackets require that a hole be drilled in the glass (3/4" hole for 1/2" glass; 5/16" for 3/4" glass) which must be done prior to tempering. **Attempts to drill holes or grind the glass after tempering will most likely cause breakage.**

Per ASTM C 1048, this chart should be used to determine minimum sizes and placement for tempered and heat strengthened glass.

For additional information, see page 263.

Glass Thickness	1/2" Glass	3/4" Glass
Minimum diameter of holes	5/16"	1 3/16"
Edge of hole to edge of glass	1"	1 1/2"
Distance between rims of holes	1"	1 1/2"
Distance from corner to rim of holes	3 1/4"	4 7/8"

Typical Assembly and Mounting Details



BACKING DISK

1/4" thick with .41" countersunk center hole.

Bolt is not included

Disk Diameter	Satin Aluminum	Satin Bronze
3.00"	GB4381H	GB4385H
1.83"	GB4386H	GB4388H
1.25"	GB2000H	GB4000H



WAGNER RAIL SYSTEM

DISK WITH WELDED STUD

1/4" thick with welded 3/8" - 16 threaded stud.

Disk Diameter	Satin Stainless
3.00"	GB4383HS
1.83"	GB4387HS
1.25"	GB3000HS



GLASS RAILING

BOLT

Use the stainless bolt with aluminum *Disk*.

Glass Thickness	FHMS	Stainless	Brass
1/2"	3/8"-16 x 1 1/2"	GB4381I	GB4385I
3/4"	3/8"-16 x 1 3/4"	GB4381I.75	GB4385I.75

CABLE RAILING

GASKET

Center hole	Disk Diameter	Part Number
.41"	3.00"	GB4381F
.41"	1.83"	GB4386F
.41"	1.25"	GB2253F

SPIRAL STAIRS BALCONIES

SPACER

OD	ID	Length	Part Number
5/8"	3/8"	1/2"	GB4381G

GLASS MOUNT ADAPTER KIT

Contains 1 *Disk* with countersunk hole, 2 *Gaskets*, 1 *Spacer* and 1 *Bolt*.

Glass Thickness	Disk Diameter	Satin Aluminum	Satin Bronze
1/2"	3.00"	GB4381K	GB4385K
3/4"	3.00"	GB4381K.75	GB4385K.75
1/2"	1.83"	GB4386K	GB4388K
3/4"	1.83"	GB4386K.75	GB4388K.75
1/2"	1.25"	GB2000K	GB4000K
3/4"	1.25"	GB2000K.75	GB4000K.75

ALUMINUM RAILINGS

GLASS MOUNT ADAPTER KIT

Contains 1 *Disk with Welded Stud*, 2 *Gaskets*, and 1 *Spacer*.

Glass Thickness	Disk Diameter	Satin Stainless
1/2"	3.00"	GB4383K
3/4"	3.00"	GB4383K.75
1/2"	1.83"	GB4387K
3/4"	1.83"	GB4387K.75
1/2"	1.25"	GB3000K
3/4"	1.25"	GB3000K.75

BRASS / SS FITTINGS



Refer to page 30 for Panel Clips