HINGES



3-WAY ADJUSTABLE STAINLESS STEEL CONCEALED HINGE



HGS3D-S160SH



With square screw cover (optional)





- 304 stainless steel construction for excellent resistance to corosion.
- 3-way adjustable allowing for vertical, horizonta and depth adjustments after installation.
- Hinge leaves are designed to seperate and features a temporary hold function making it easier to hang doors.
- Durability: successfully passed 300,000 open/close cycle test (private). · Includes round screw covers for a clean finish. Optional square shaped covers sold separately (HGS3D-S160SH-SQPLATE).
- 3 hinges can support doors up to 36" x 96" weighing up to 220 lbs.

Locus Chart Frame Reference Door Reference Surface 1-3/16" (30 mm) Surface 180 Frame Reference *B 15Ó Frame 120 Horizontal adjustment 1-1/4" (32 mm) -1.5 mm Door Reference Door Surface +1.5 mm

1-3/16" (30 mm) Depth adjustment +1.5 mm -1.5 mm

*The door and frame must be chamfered in accordance with the machining margin, in order to open and close the door.

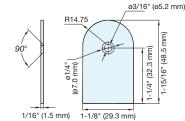
Y: Door Machining Margin	B: Door Chamfering	X: Frame Machining Margin	A: Frame Chamfering	
4 or below	1	5 or below	1	
	2	6	2	
		7	3	
5	3	5 or below	3	
		6	4	

1-3/16 1-3/16 (29.5 mm) (29.5 mm) 1-1/4" (31.5 mm) 1-1/4" (31.5 mm) 4×ø5.4 ø10 4×ø5.4 ø10 9/16" 9/16 Horizontal adjustment Vertical 5/16" adjustment scr (2 locations) (2 locations) 7.5 mm) Depth adjustment screws (2 locations) Door side 6 Frame side 4-3/4" (120 mm) 138 1 4-3/4" (120 9 5 Vertical (2` adjustment +2 mm 3 4 -2 mm Depth adjustment (5) -1.5 mm +1.5 mm ф. Horizontal adjustment Figure shows top +1.5 mm screw cover removed.

Round Screw Cover



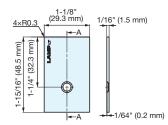
-1.5 mm



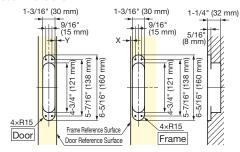
1/8" (3 mm)

Optional Square Screw Cover





Cut Out Dimensions



*When using the optional square screw cover, drill the first oval hole in both the door and the frame as a square hole of width 1-3/16" (30 mm) × length 6-5/16" (160 mm) × depth 5/16" (8 mm).

No.	Part Name	Material	Finish
1	Body		
2	Base Frame		Plain
3	Arm	304 Stainless Steel	
4	Rotating Shaft		
(5)	Screw Cover (Round Type)		Satin

Body

Item No. Finish	Door Specs		Load Capacity		Opening Angle		
	1 1111511	Width	Height	Thickness	2 pcs	kgf/3 pcs	Opening Angle
HGS3D-S160SH	Satin	Max. 36" (915 mm)	Max. 96" (2438 mm)	Min. 1-7/16" (36 mm)	176 lbs (80 kg)	220 lbs (100 kg)	180°

Round Screw Cover

Item No.	Material	Finish	
HGS3D-S160RD-SQPLATE	304 Stainless Steel	Satin	

Square Screw Cover (Optional)

Item No.	Material	Finish
HGS3D-S160SH-SQPLATE	304 Stainless Steel	Satin