

## HES3D-E190 3D hinge for 220 lb. doors (2 hinges)



- 3-WAY adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.
- Easy installation with LIFT-OFF FEATURE: can be split into two parts (one for the frame and one for the flap), can temporarily be hung and hold position without being affixed with screws.
- Successfully passed 300,000 open/close private cycle tests.
- Supplied with steel flat head screw.
- Covers hide all screw heads for clean appearance.
- Door weight : Max. 100 kg (220 lbs)/2 pcs, 125 kg (275 lbs)/3 pcs.
- Door Thickness : Min. 38 mm (1-1/2").
- Max. Door Size : H 2400 mm (94-1/2") x W 900 mm (35-7/16").
- Bracket for sheet metal doors and frames available (sold separately).
- Metal cover plates available for Polished Nickel (PN) finish HES3D-E190PN-CM (sold separately).

Model

**HES3D-E190 INVISIBLE HINGE**

Stock Finishes:  White Matt  
 US19 - Flat Black  
 US15 - Satin Nickel  
 US26 - Polished Chrome

EXCLUSIVE DOOR HARDWARE

# HES3D-E190 3D hinge for 220 lb. doors (2 hinges)

## Technical Data HES190

|   |          |              |          |
|---|----------|--------------|----------|
| Capacity  | 2 Hinges | 100 Kg.      | 220 lbs  |
| Capacity  | 3 Hinges | 125 Kg.      | 275 lbs  |
| Hinge height                                      |          | 190 mm       | 7 1/2"   |
| Width door side                                   |          | 32 mm        | 1 1/4"   |
| Width frame side                                  |          | 34 mm        | 1 11/32" |
| Depth door side                                   |          | 28 mm        | 1 3/32"  |
| Depth frame side                                  |          | 28 mm        | 1 3/32"  |
| Door opening angle                                |          | 180°         |          |
| Side adjustment                                   |          | + 3 mm -2 mm |          |
| Height adjustment                                 |          | ± 3 mm       |          |
| Depth adjustment                                  |          | ± 1 mm       |          |
| Door Thickness Minimum                            |          | 38mm         | 1 1/2"   |
| Max. Door Dimensions (H 94 1/2" X W 35 7/16 )     |          |              |          |
| Successfully passed 300,000 open/close cycle test |          |              |          |

Model

**HES3D-E190 INVISIBLE HINGE**

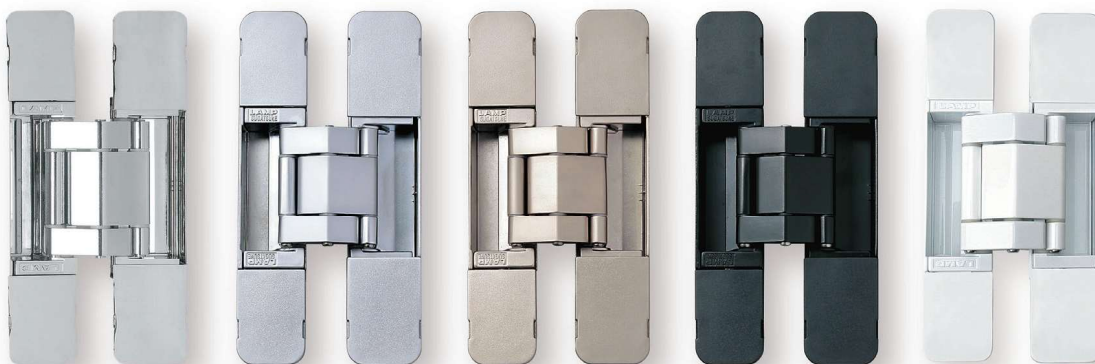
Stock Finishes:  White Matt  
 US19 - Flat Black  
 US15 - Satin Nickel  
 US26 - Polished Chrome

EXCLUSIVE DOOR HARDWARE

# 3-WAY ADJUSTABLE CONCEALED HINGE



# HES3D-E190



HES3D-E190PN

HES3D-E190DC

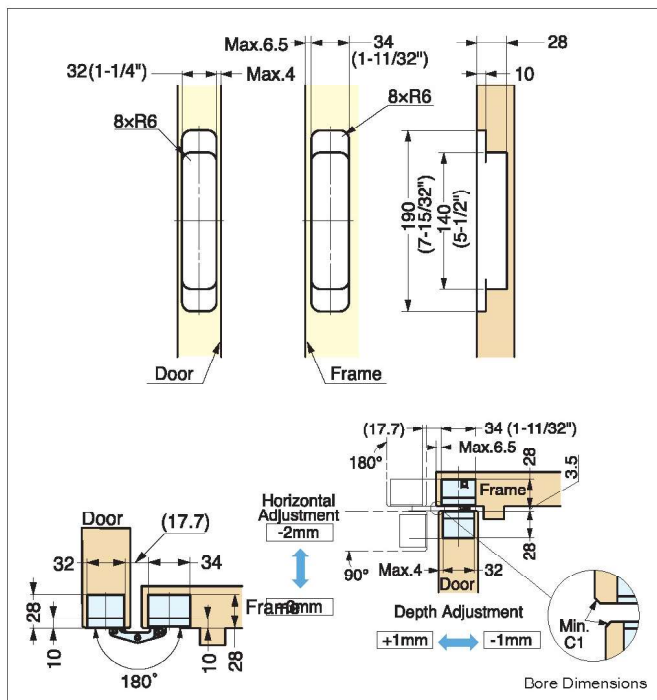
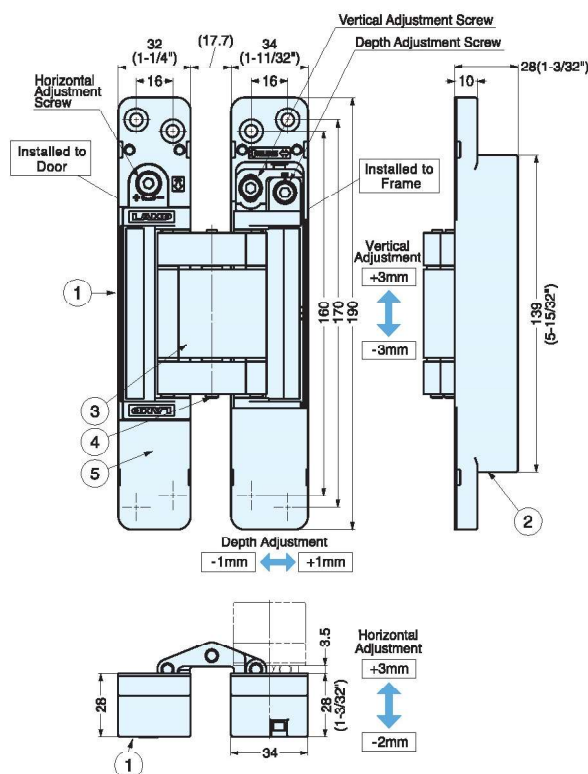
HES3D-E190DN

HES3D-E190BL

HES3D-E190WT



- 3-WAY adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.
- Easy installation with LIFT-OFF FEATURE: can be split into two parts (one for the frame and one for the flap), can temporarily be hung and hold position without being affixed with screws.
- Successfully passed 300,000 open/close private cycle tests.
- Supplied with steel flat head screw.
- Covers hide all screw heads for clean appearance.
- Door weight : Max. 100 kg (220 lbs)/2 pcs, 125 kg (275 lbs)/3 pcs.
- Door Thickness : Min. 38 mm (1-1/2").
- Max. Door Size : H 2400 mm (94-1/2") x W 900 mm (35-7/16").
- Bracket for sheet metal doors and frames available (sold separately).
- Metal cover plates available for Polished Nickel (PN) finish HES3D-E190PN-CM (sold separately).



| Item No.     | Weight (g) | Box (pcs) | Carton (pcs) |
|--------------|------------|-----------|--------------|
| HES3D-E190PN | 1050       | 2         | 12           |
| HES3D-E190DC |            |           |              |
| HES3D-E190DN |            |           |              |
| HES3D-E190BL |            |           |              |
| HES3D-E190WT |            |           |              |

| No. | Part Name  | Material            | Finish/Color   |
|-----|------------|---------------------|--|
| 1   | Body       | Zinc Alloy          | Polished Nickel (PN)<br>Dull Chrome (DC)<br>Dull Nickel (DN)<br>Matte Black (BL)<br>White (WT) |
| 2   | Base Frame | Zinc Alloy          | Polished Nickel (PN)<br>Dull Chrome (DC)<br>Dull Nickel (DN)<br>Matte Black (BL)<br>White (WT) |
| 3   | Arm        | Aluminum Alloy      | Polished Nickel (PN)<br>Dull Chrome (DC)<br>Dull Nickel (DN)<br>Matte Black (BL)<br>White (WT) |
| 4   | Pin        | 304 Stainless Steel | -  |
| 5   | Cover      | ABS                 | Polished Nickel (PN)<br>Dull Chrome (DC)<br>Dull Nickel (DN)<br>Matte Black (BL)<br>White (WT) |