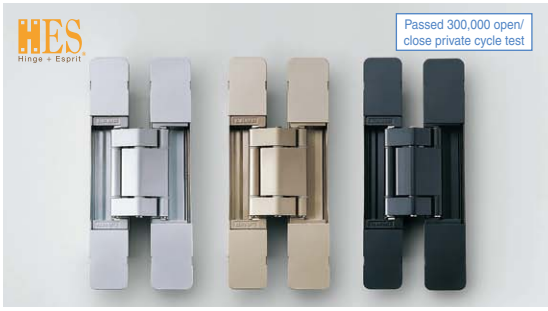
TORQUE HINGES
DAMPER HINGES
LIFT ASSIST HINGES
DETENT HINGES
CONCEALED HINGES
BUTT HINGES
PIANO HINGES
STEP HINGES
LIFT-OFF HINGES
PIVOT HINGES
SPRING HINGES
CLEAN ROOM HINGES
HINGES FOR ALUMINIUM FRAME
DROP HINGES
GLASS DOOR HINGES
SPECIAL HINGES

3-WAY ADJUSTABLE CONCEALED HINGE HES3D-E190

INSTRUCTION HEX KEY VIDEO



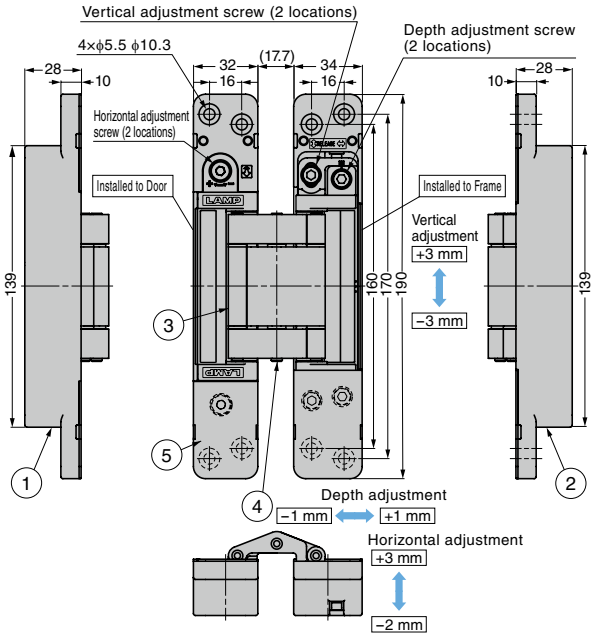
- Max. Door Weight: 100kg with 2 pcs, 125kg with 3 pcs.
- Small bore depth for compact assembly.
- 3-way adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.
- Easy installation: Hinge can be split into the door side and the frame side and has temporary door holding feature.
- Unique seven link structure helps to prevent door sagging.
- Order-made colour available.

[Parts Included]
- Countersunk head tapping screw 5×30 (8 pcs/hinge) SUS
- Hex key 4

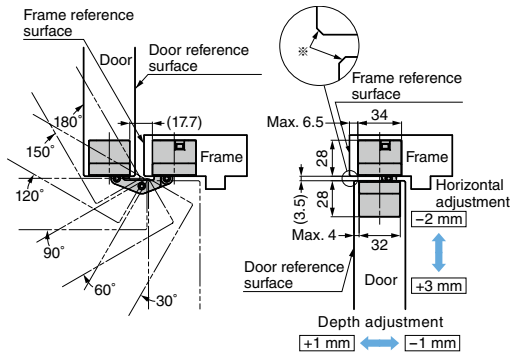
[Sold Separately]
Installation template HES3D-E190-TMP 3
※ Can be reused, so door and frame can be easily cut out with a router.

[Remarks]
- Can be used with Sugatsune door damper/door closer shown below. Please check and follow product specifications.
  - ・LAPCON DOOR DAMPER LDD-S 1
  - ・LAPCON DOOR DAMPER LDD-V 2
  - ・LAPCON DOOR CLOSER LDC-N2
- Using with other door closers might lead to hinge damage.
- For using Sugatsune door closer, please install the door holder separately at the stop position.

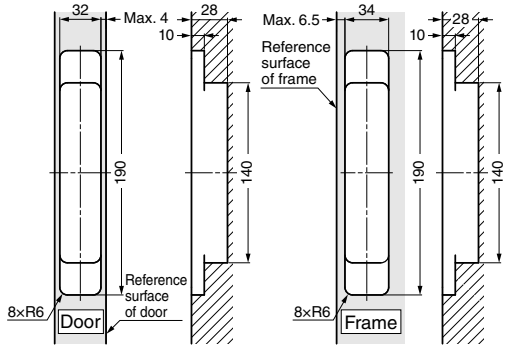
Figure below shows the state with the upper screw covers removed.



[Locus Chart]
Please process the part (corner of door/frame) of ※ marked on the drawing to C1 or more (or R1 or more).



[Cut Out Dimensions]



No.	Part Name	Material	Finish / Colour		
			DC	DN	BL
①	Body	Zinc Alloy (ZDC)	Satin Chrome	Dull Nickel	Black Enamel Finish
②	Base Frame				
③	Arm	Aluminium Alloy			
④	Shaft	Stainless Steel	Plain	Plain	Plain
⑤	Cover (2 pairs)	ABS	Satin Chrome	Dull Nickel	Black

Video Link
Motion Designtec Video Easy Installation & Adjustment
Motion Designtec Video Locus & Open/Close Angle

RoHS	CAD	Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight kg/2 pcs	Door Weight kg/3 pcs	Opening Angle	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	170-025-498	HES3D-E190DC	Silver	Max. 900	Max. 2400	Min. 38	Max. 100	Max. 125	180°	1110	2	12
G	3D	170-025-499	HES3D-E190DN	Champagne Gold							1113	2	12
G	3D	170-025-539	HES3D-E190BL	Black							1110	2	12

Refer to 1 : P.713, 2 : P.710, 3 : P.99