



LAMP 3-WAY ADJUSTABLE CONCEALED HINGE HES3D-120



Passed Private 300K Cycle Test

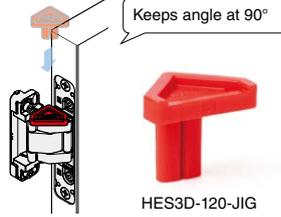


KIDS DESIGN AWARD 2021

Without Covers



Easy Installation with Jig



HES3D-120-JIG

- Thin profile (21mm) allows for shallow mortise.
- 3D Adjustment Post Installation: Adjust vertically, horizontally, and depth.
- For simplified door hanging, the hinge divides into two parts: one for the door-side and one for the jamb-side.
- Can temporarily be hung before fixing with screws.
- Custom colors available on request. Please contact us for details.

INSTRUCTION | SCREW

Remarks

- Read all remarks on handling thoroughly before use.
- Please use the Selection Tool for HES Concealed Hinges to select a hinge.
- Recommended for use with the following compatible door damper/door closers: LDD-S (P.566) and LDD-V (P.568).
- When used in combination with door restrictors, please use HES3D-120-A100 instead. (P.53)

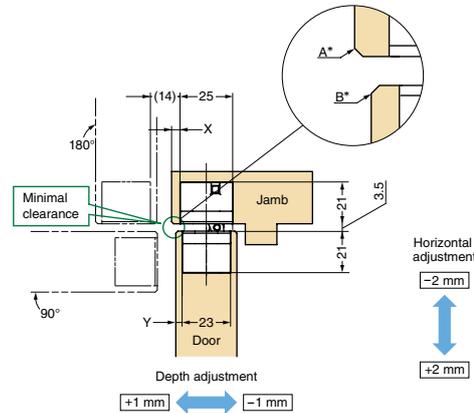
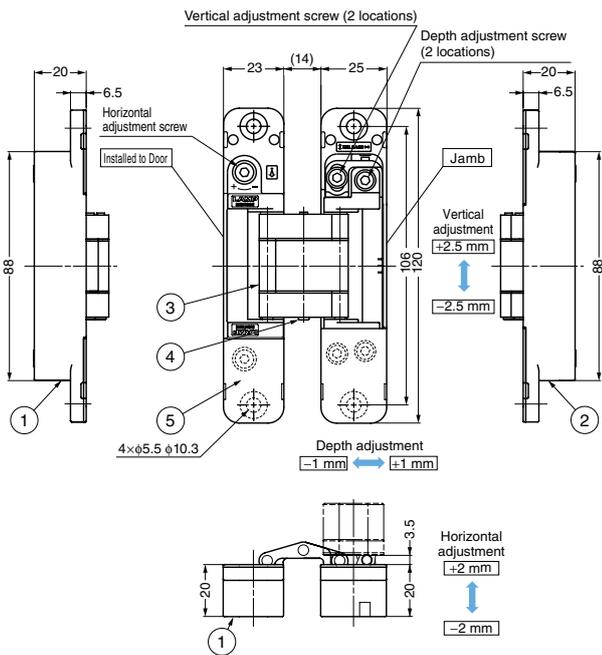
Parts Included

- Countersunk head tapping screw 5x20
- Hex. wrench (a nominal diameter 3)
- Cutout template

Sold Separately

- Metal door bracket 120BKT (P.54)

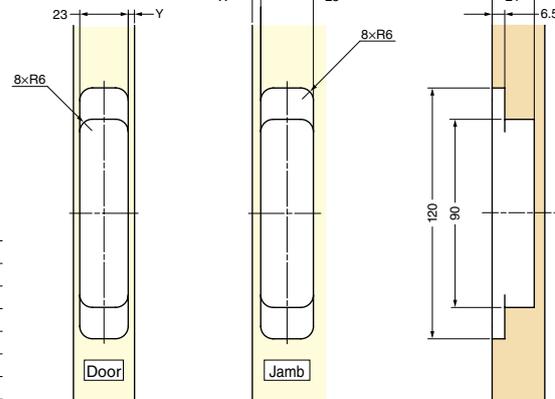
Feature	Example	Installation
Selection Tool		
HES Hinge		



Please process the part (corner of door/jamb) of * marked on the drawing to C1 or more (or R1 or more).

Y: Door machining margin	B: Door chamfering	X: Jamb machining margin	A: Jamb chamfering
4 and under	1	5 and under	1
	2	6 7	2
5	3	5 and under	3

Cut Out Dimensions



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

Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight		Opening Angle	Weight	Box	Carton
-	HES3D-120DC	Silver	Max. 900	Max. 2400	Min. 29	Max. 30 kg/2 pcs	Max. 40 kg/3 pcs	180°	401 g	2 pcs	24 pcs
-	HES3D-120DN	Champagne Gold	Max. 900	Max. 2400	Min. 29	Max. 30 kg/2 pcs	Max. 40 kg/3 pcs	180°	401 g	2 pcs	24 pcs
-	HES3D-120BL	Black	Max. 900	Max. 2400	Min. 29	Max. 30 kg/2 pcs	Max. 40 kg/3 pcs	180°	401 g	2 pcs	24 pcs

Installation Template This is sold in pairs, one for the door and one for the jamb.

Item Code	Item Name	Material	Colour
170-024-569	HES3D-120-TMP	Methacrylic Resin (PMMA)	Clear

Installation Jig

Item Code	Item Name	Material	Colour	Weight (g)
170-044-186	HES3D-120-JIG	Polyacetal (POM)	Red	4

LAMP 3-WAY ADJUSTABLE CONCEALED HINGE HES3D-120-A100 100° Opening NEW Latest Info

Latest Info



A HINGES



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KIDS DESIGN AWARD 2021

- Can limit opening angle when used in combination with door restrictors.
- Thin profile (21 mm) allows for shallow mortise.
- 3D Adjustment Post Installation: Adjust vertically, horizontally, and depth.
- For simplified door hanging, the hinge divides into two parts: one for the door-side and one for the jamb-side.
- Can temporarily be hung before fixing with screws.

INSTRUCTION SCREW

Remarks

- Read all remarks on handling thoroughly before use.
- Please use the Selection Tool for HES Concealed Hinges to select a hinge.
- Please use with door restrictors or door stoppers to prevent doors from opening over 100°.
- When using with door dampers or door closers, please chose from the LDD-S (P.566), LDD-V (P.568), and LDC-N2 (P.572). Please note that the door weight should meet moment conditions of both door closers and door dampers. Verify all conditions before installation.

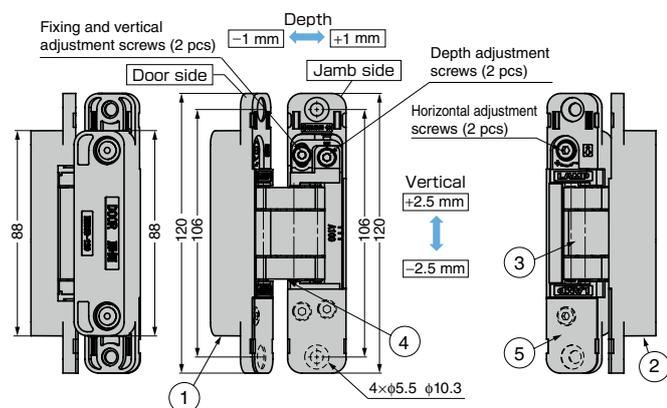
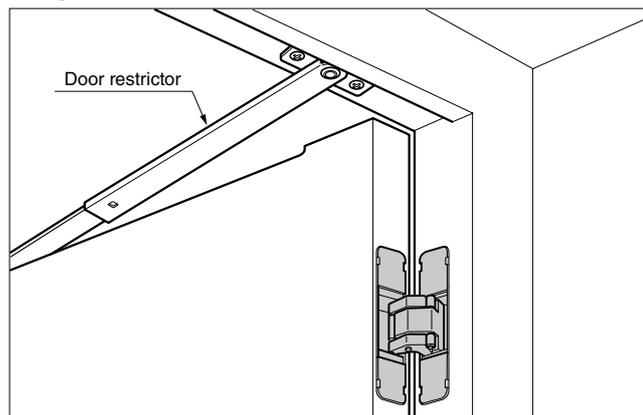
Parts Included

- Cross-recessed countersunk tapping screw 5x20 4 pcs (made of stainless steel)
- Hex key spanner 3

Optional Parts

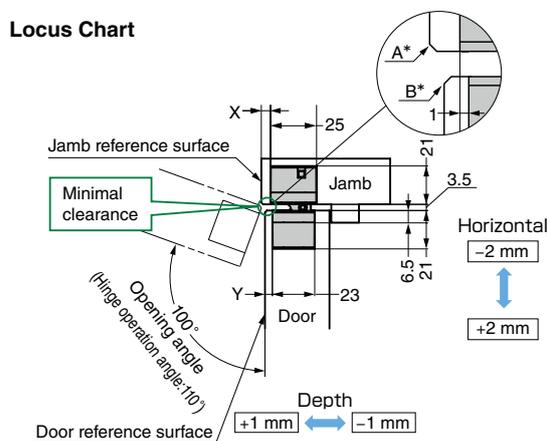
- HES3D-120TMP, installation template (P.60) (This reusable jig allows for easy mortising of doors and jamb using routers.)
- HES3D-120BKT, bracket for sheet metal (P.54)

Using with a Door Restrictor



*The upper screw covers are removed in the drawing above.

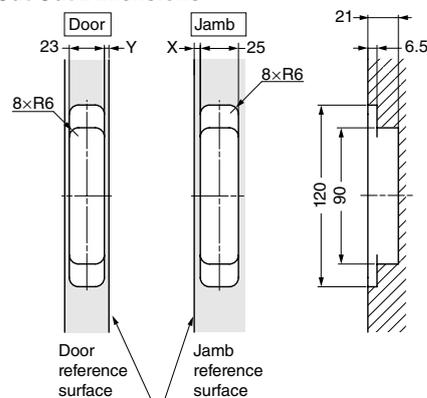
Locus Chart



Y : Door Clearance	B : Door Chamfering	X : Jamb Clearance	A : Jamb Chamfering
4	1	5	1
	2	6	2
5	3	7	3
		5	

The table above shows the clearance and chamfering required for the door to open properly.

Cut Out Dimensions



HES Hinge

No.	Part Name	Material	Finish/Colour		
			DC	DN	BL
①	Body	Zinc Alloy (ZDC)	Satin Chrome	Satin Nickel	Black
②	Base Frame				
③	Arm				
④	Shaft	Stainless Steel	-	-	-
⑤	Screw Cover (Door side: 2 pcs) (Jamb side: 2 pcs)	ABS	Satin Chrome	Satin Nickel	Black

Item Code	Item Name	Finish	Door Specs			Load Capacity				Opening Angle	Box (pcs)	Carton (pcs)
			Width	Height	Thickness	N / 2 pcs	kgf / 2 pcs	N / 3 pcs	kgf / 3 pcs			
170-044-569	HES3D-120-A100DC	Silver	Max. 900	Max. 2400	Min. 29	294	30	392	40	100°	2	24
170-044-570	HES3D-120-A100DN	Champagne Gold										
170-044-571	HES3D-120-A100BL	Black										

Installation Template This is sold in pairs, one for the door and one for the jamb.

Item Code	Item Name	Material	Colour
170-024-569	HES3D-120-TMP	Methacrylic Resin (PMMA)	Clear