

01 Product performance and parameters

1. The appearance is consistent with the conventional hidden hinge, and the installation method and slot are the same.
2. Long service life, continuous load testing more than 300,000 open and close experiments (warranty 5 years).
3. Before installation, it is not possible to close the hinge less than 90° door suction position by hand (the anti-pinch hand limit device has been installed before the factory), because the hinge less than 85° will automatically close, otherwise there may be the risk of clamping hand injury.
4. Please install according to the hinge arrow direction, if the upper and lower direction is installed backwards, the hydraulic buffer will be unstable, long-term use will appear the risk of leakage of hydraulic oil, install in the correct direction to ensure that the hinge will not leak oil.
5. After the hinge is installed, pull out the anti-pinch hand limit device (if the anti-pinch hand limit device is not pulled out, the automatic closing function is limited and cannot be closed).



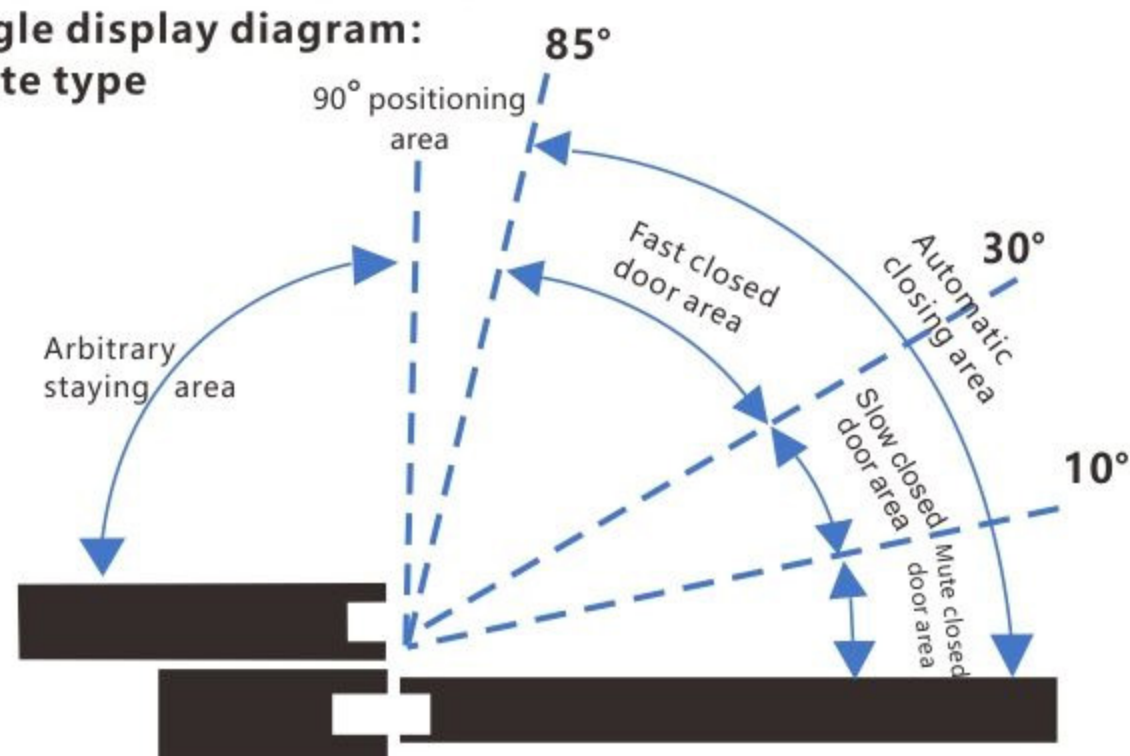
02 Product function and Angle

1. The automatic door closing Angle of this product is 0° - 85°, and the arbitrary staying area is 90° - 180°.
2. Set the stop door positioning function at 90°, soft positioning, no need to install door stopper.
3. Less than 85° hinge automatically close the door, 85° - 30° for the fast closing area.
4. (Entry lock type hinge) 30° - 10° slow closing the door, 10° - 0° fast closing and locking.
5. (Mute type hinge) 30° - 10° slow closing the door, 10° - 0° mute closing.

Hinge function Angle diagram:

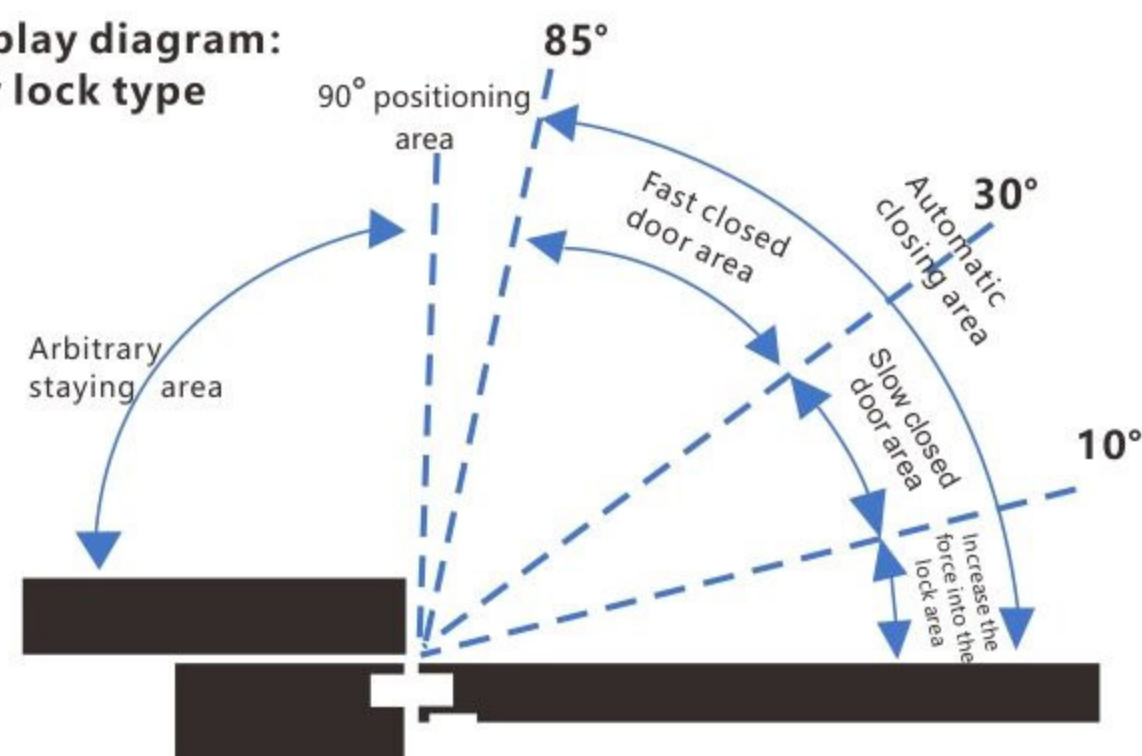
Angle display diagram:

Mute type



Angle display diagram:

Entry lock type



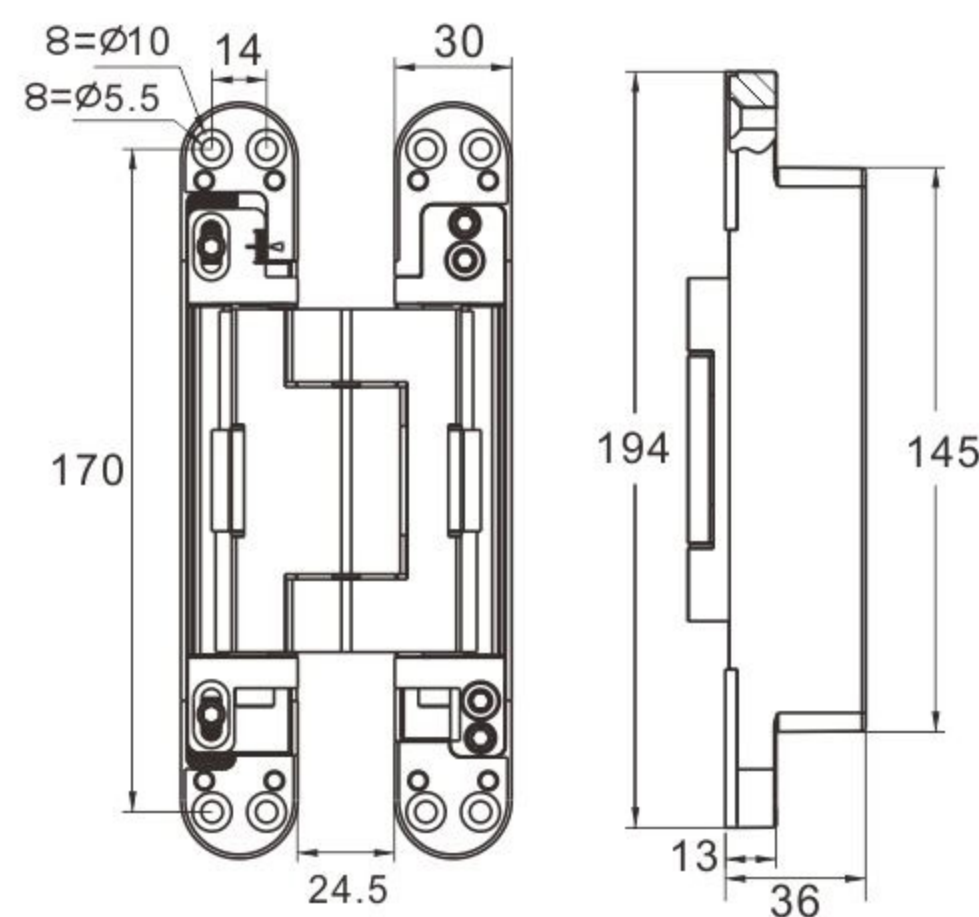
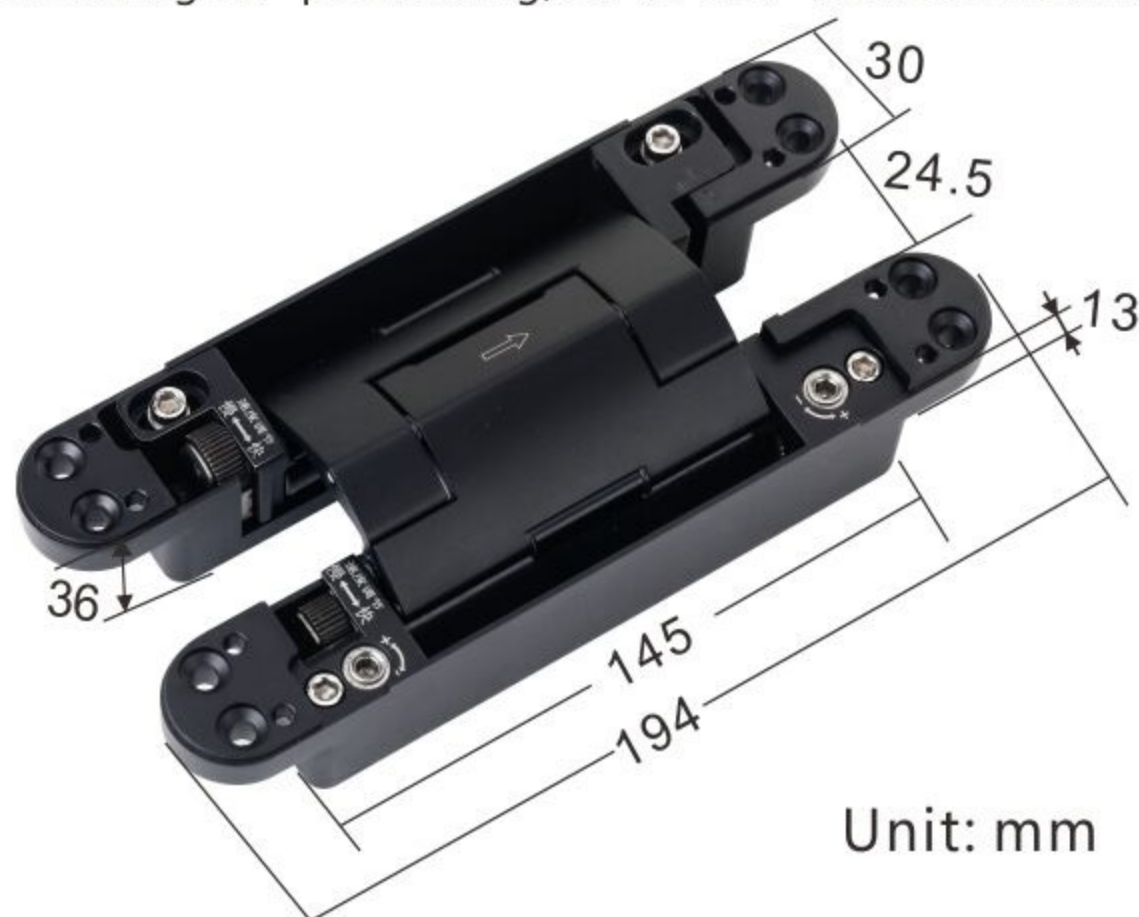
Door weight (KG)	Door height (MM)	Recommended number of hinges to use(PCS)
≤40KG	≤2100mm	1PCS Hydraulic hinge+1 PCS Load bearing hinge
≤60KG	≤2100mm	2 PCS Hydraulic hinge
≤80KG	≤2100mm	2 PCS Hydraulic hinge+1 PCS Load bearing hinge
≤100KG	≤2100mm	3 PCS Hydraulic hinge

Tips: The door weight is less than 70KG, the door height is more than 2100mm, it is recommended to add a load-bearing hinge

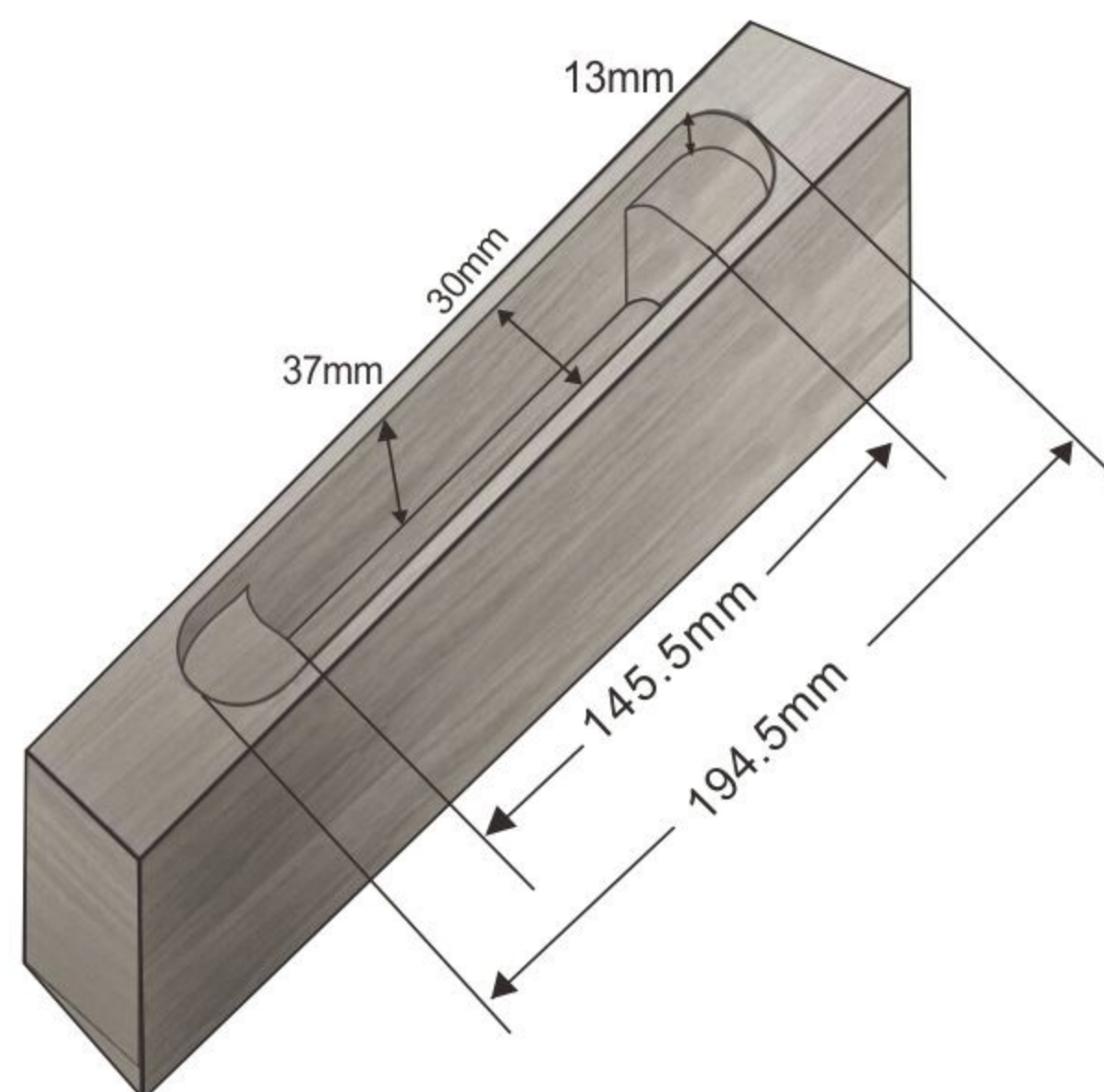
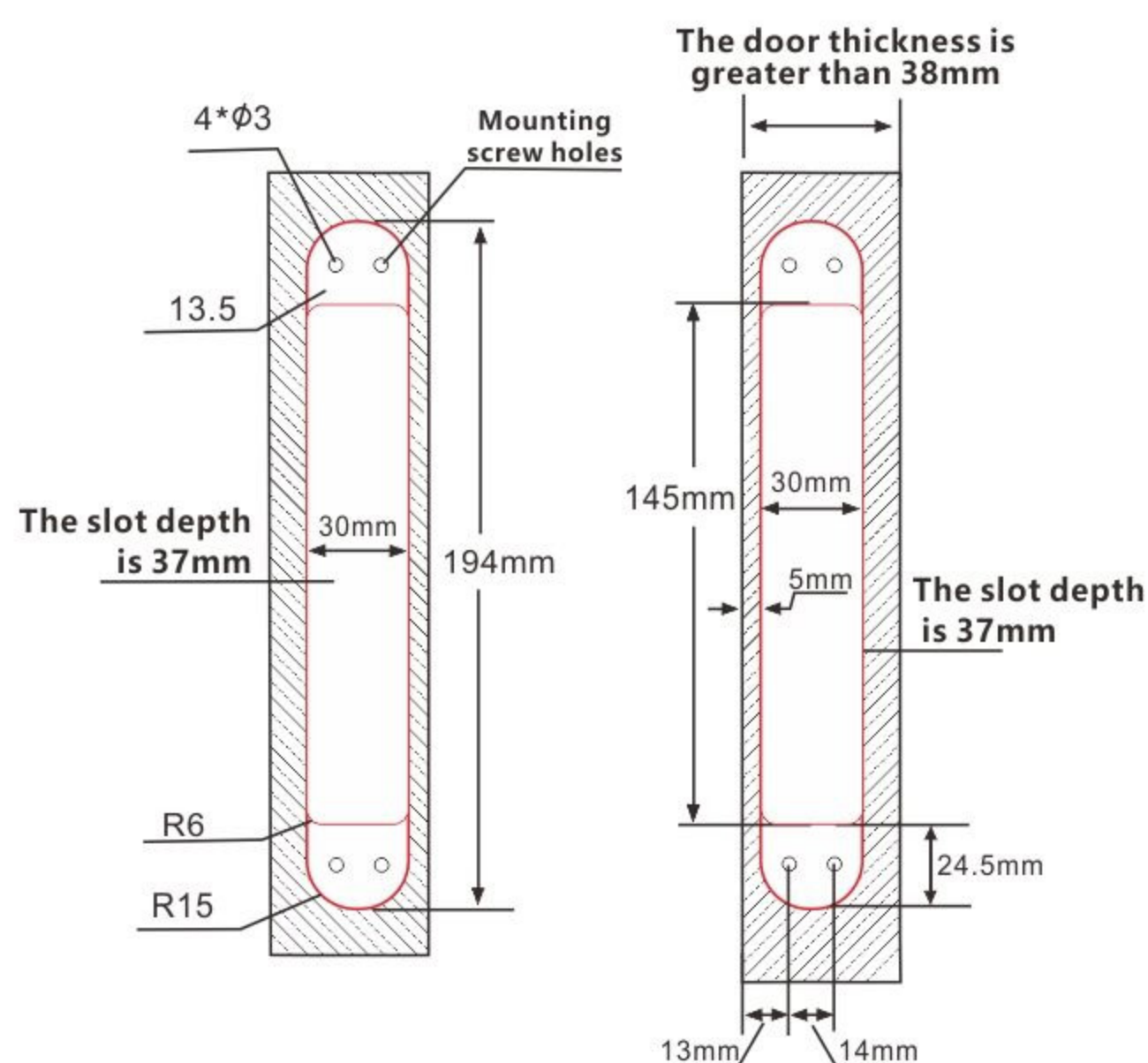
03 Product dimensions drawing

1. The maximum load bearing of a single hydraulic hinge is 40KG.
2. The maximum opening Angle is 180 degrees.
3. Positioning: 90° positioning, 90° to 180° between arbitrary stay.

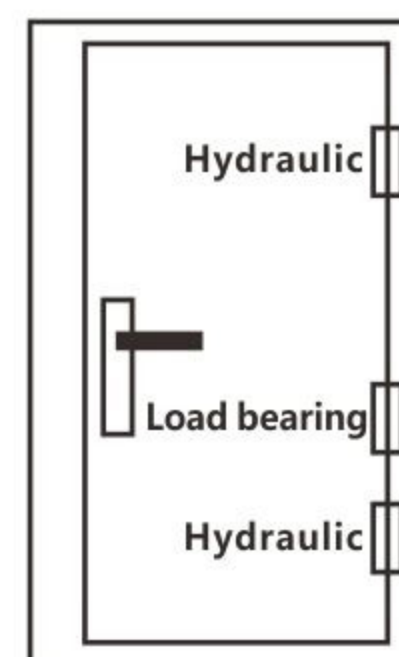
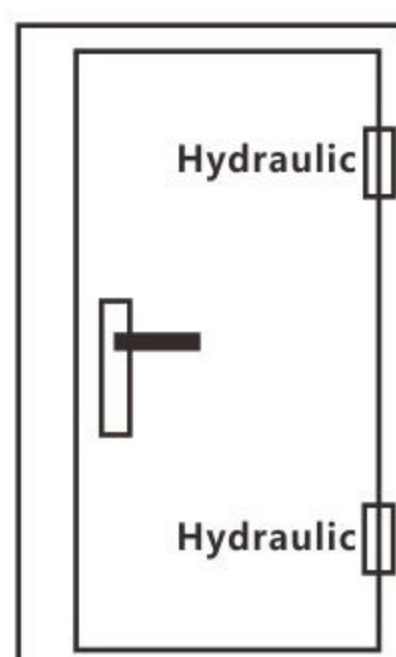
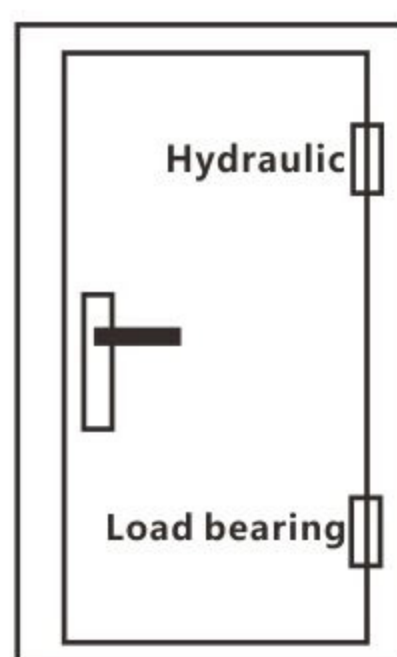
4. 2-D adjustable: ±2mm left and right, ±4mm up and down.
5. No need to distinguish between left and right installation.



04 Hinge opening size drawing



05 Hinge installation position



06 Door leaf left and right adjustment and speed adjustment

1. Loosen the two locking screws on the same hinge with a 4mm hex key.
2. Using a 4mm hex key, twist the adjustment screw to tighten the door leaf left and right, and adjust the maximum size of the door seam to $\pm 2\text{mm}$ (Note: The adjustment screws on both sides of the same hinge should be adjusted as much as possible to be the same. The height difference on both sides should not occur, otherwise it will affect the function and service life of the hinge.)
3. After adjusting the door seam, tighten the lock screw (to prevent abnormal noise during use).
4. The factory setting defaults to the slowest closing speed (to prevent accidental injury caused by accidental removal of the anti-pinch hand limit device).
5. After the hinge is installed, turn the speed control knob clockwise (adjust to the fast direction) to adjust the closing speed (adjust the speed as needed).
6. The adjustment knobs on both sides of the double cylinder hinge should be adjusted as much as possible to be the same (there is a reference indicator scale at the bottom of the knob for adjustment) (Note: there can be no inconsistency between the two sides of the adjustment or one side of the adjustment is not adjusted on the other side, otherwise it will affect the function and service life of the hinge).
7. Single cylinder hinge just adjust the side with adjustment knob (adjust speed as needed).
8. Note: After the hinge knob is adjusted to the fastest state (turning to the limit), do not forcibly turn it by mistake to avoid oil leakage (it should be turned half a circle to one circle counterclockwise to prevent the oil needle from exceeding the limit), which will affect the use of the product.



01 Product performance and parameters

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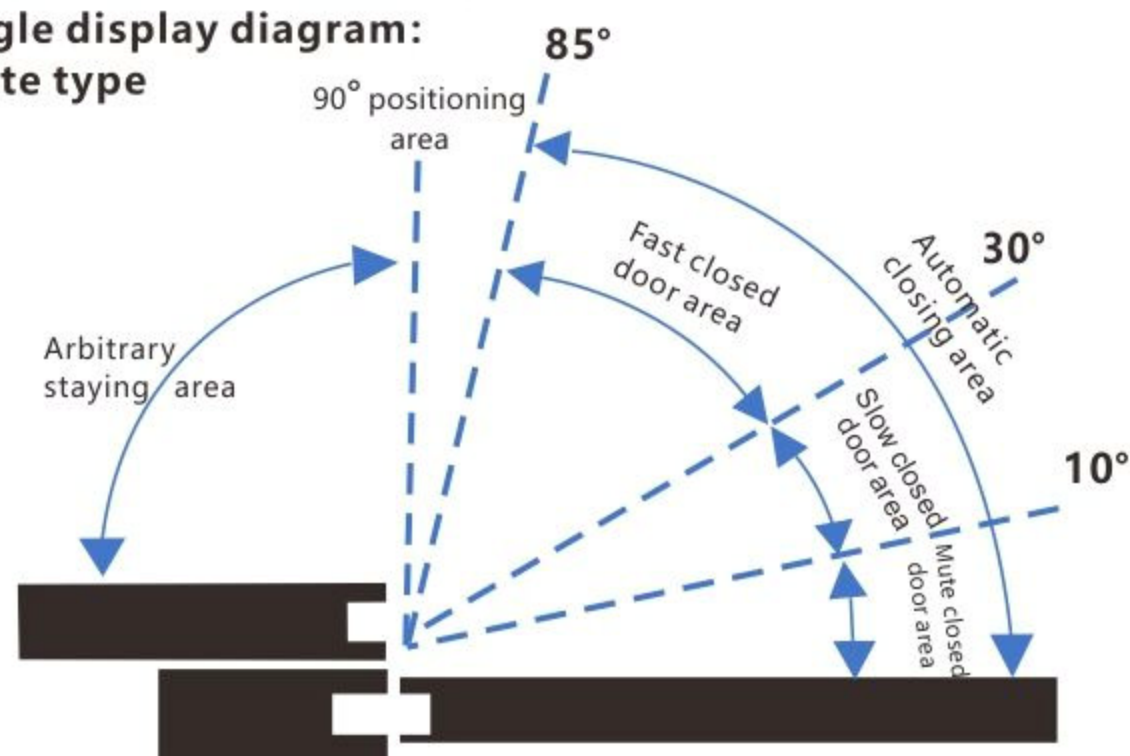
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Hinge function Angle diagram:

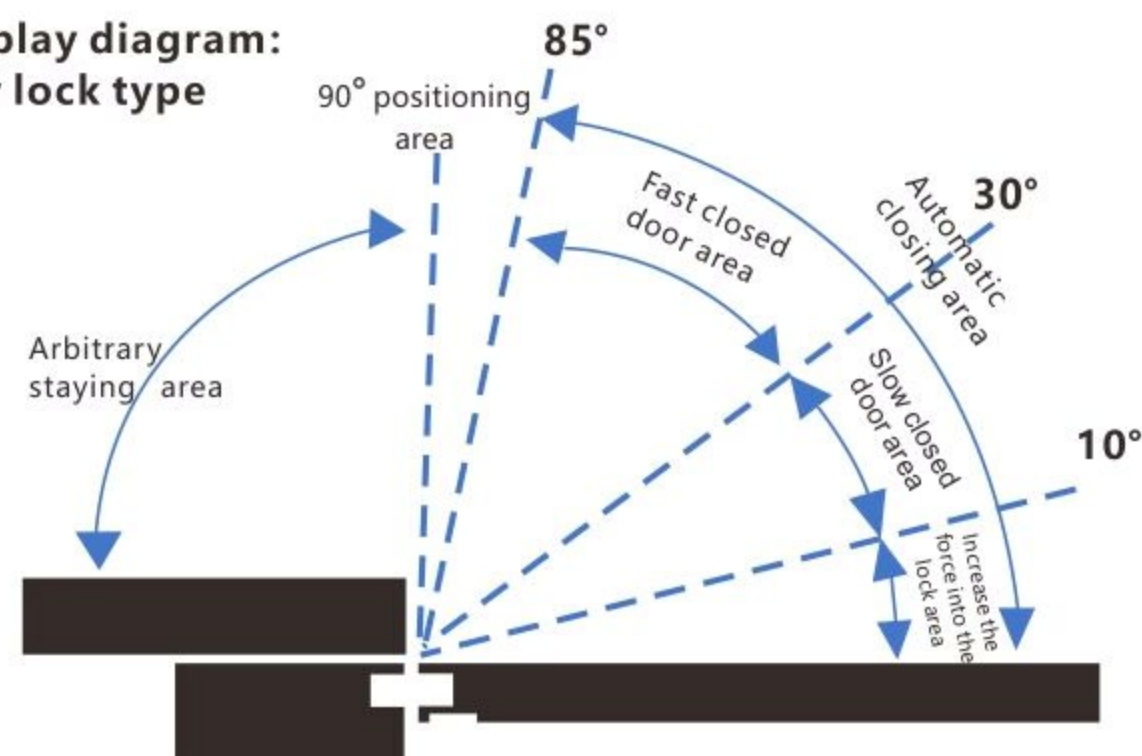
Angle display diagram:

Mute type



Angle display diagram:

Entry lock type

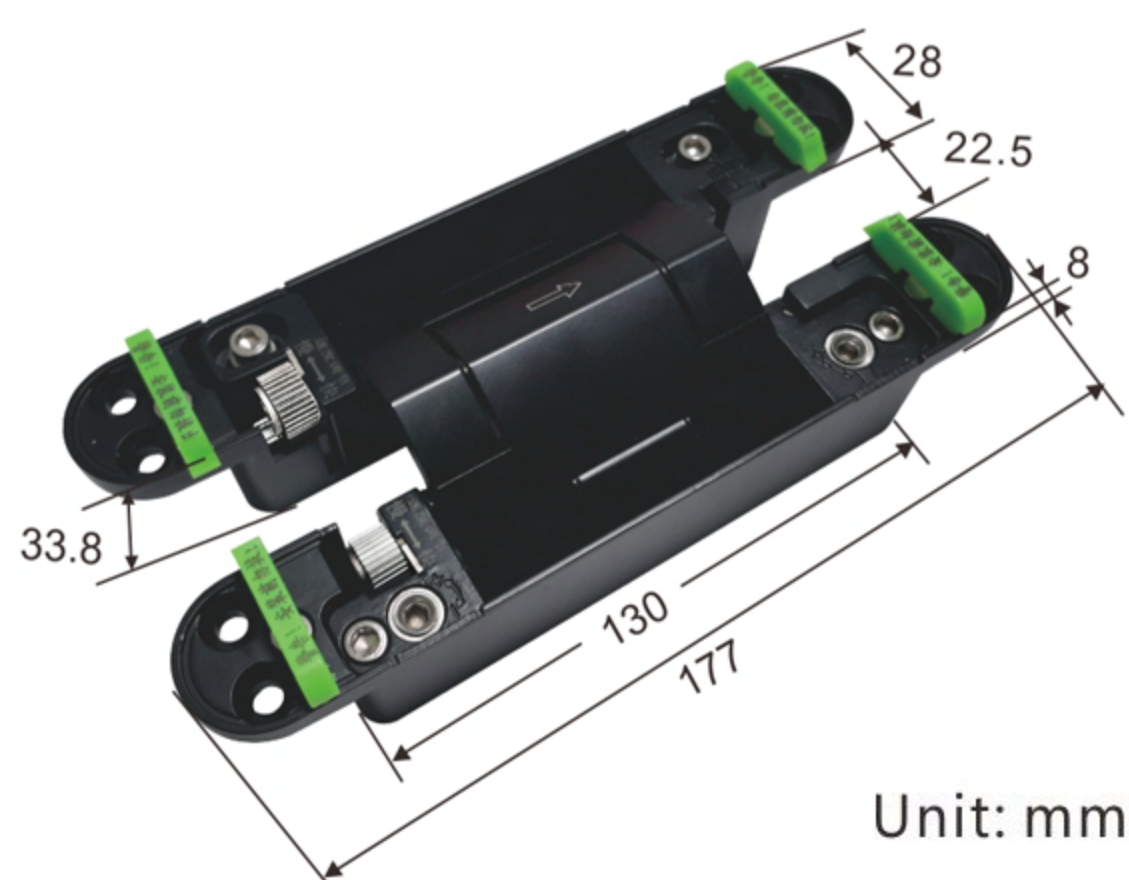


Door weight (KG)	Door height (MM)	Recommended number of hinges to use(PCS)
≤30KG	≤2100mm	1PCS Hydraulic hinge+1 PCS Load bearing hinge
≤50KG	≤2100mm	2 PCS Hydraulic hinge
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≤90KG	≤2100mm	3 PCS Hydraulic hinge

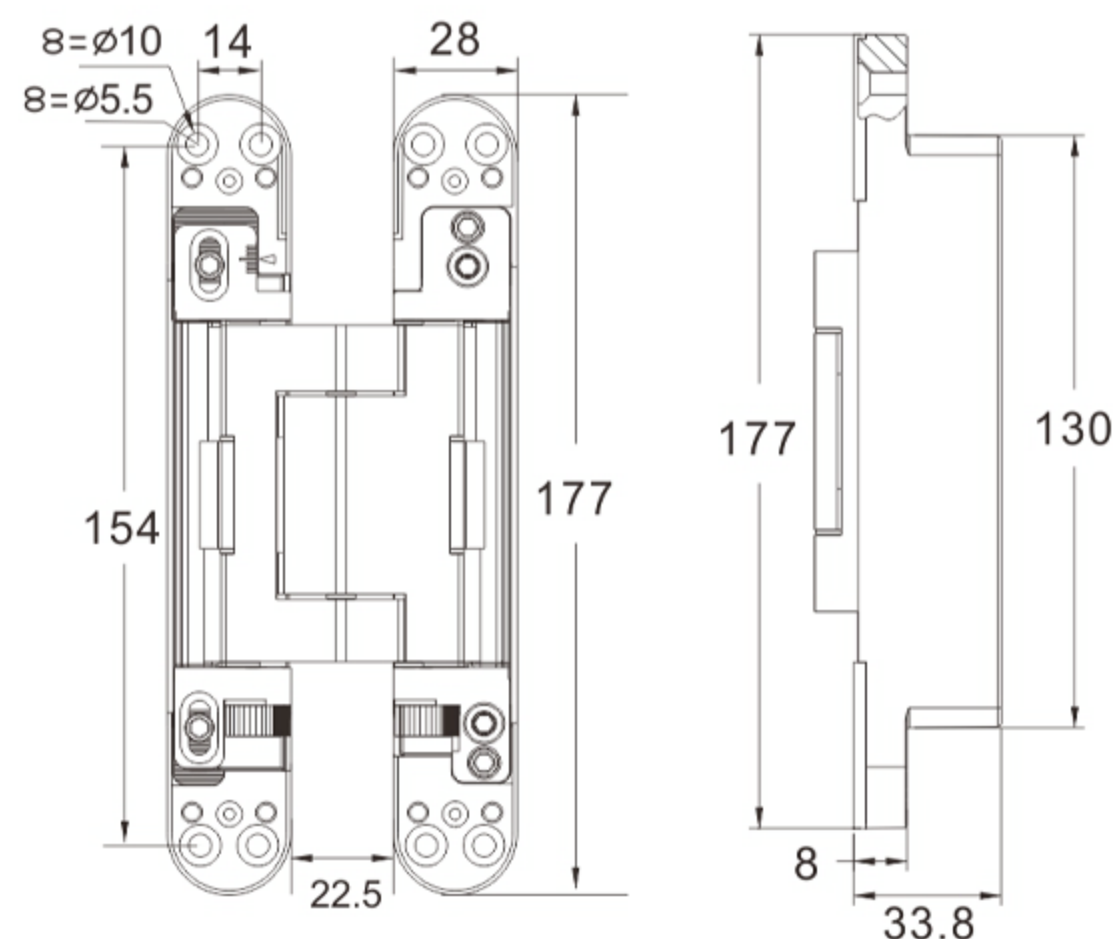
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03 Product dimensions drawing

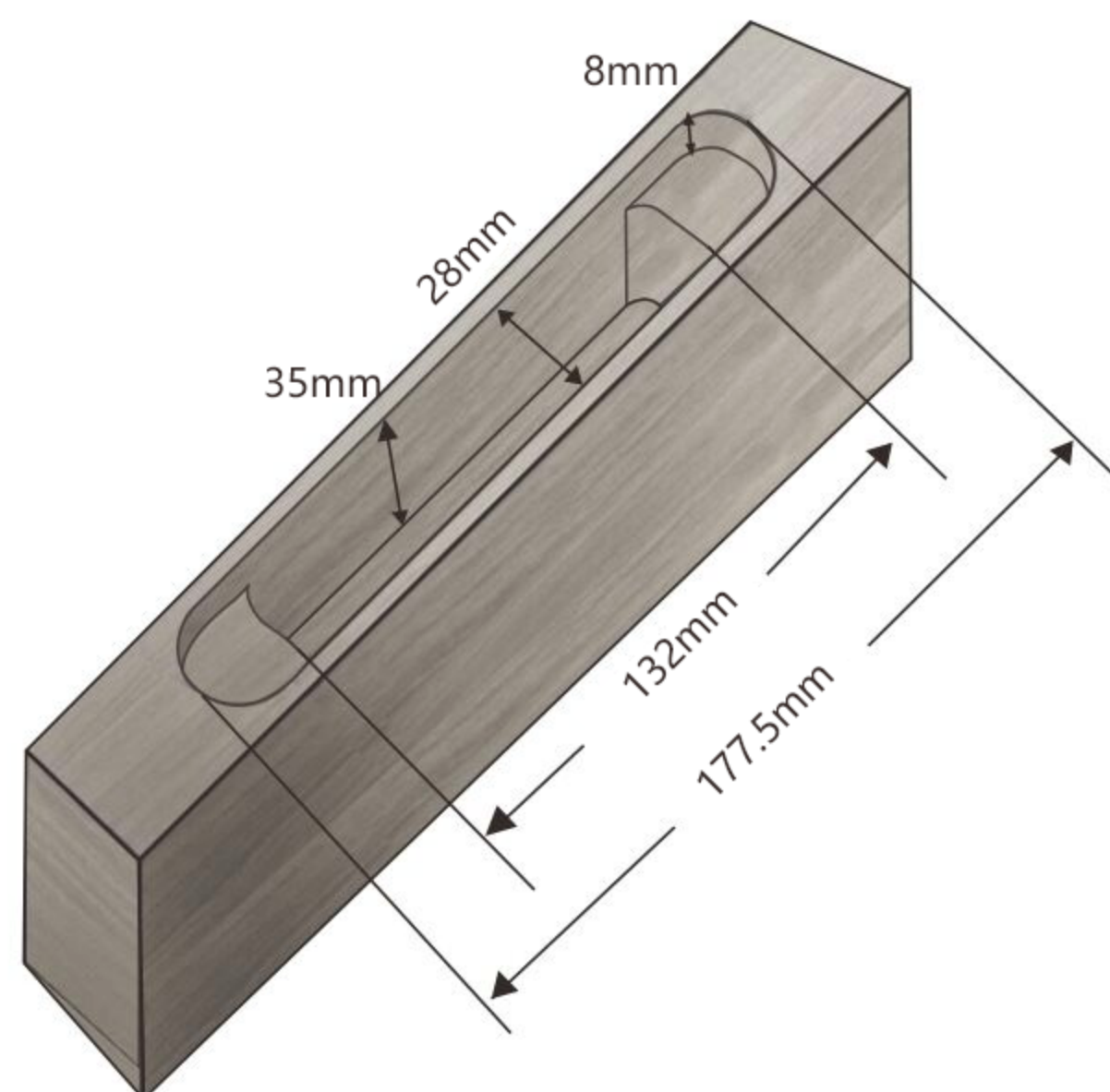
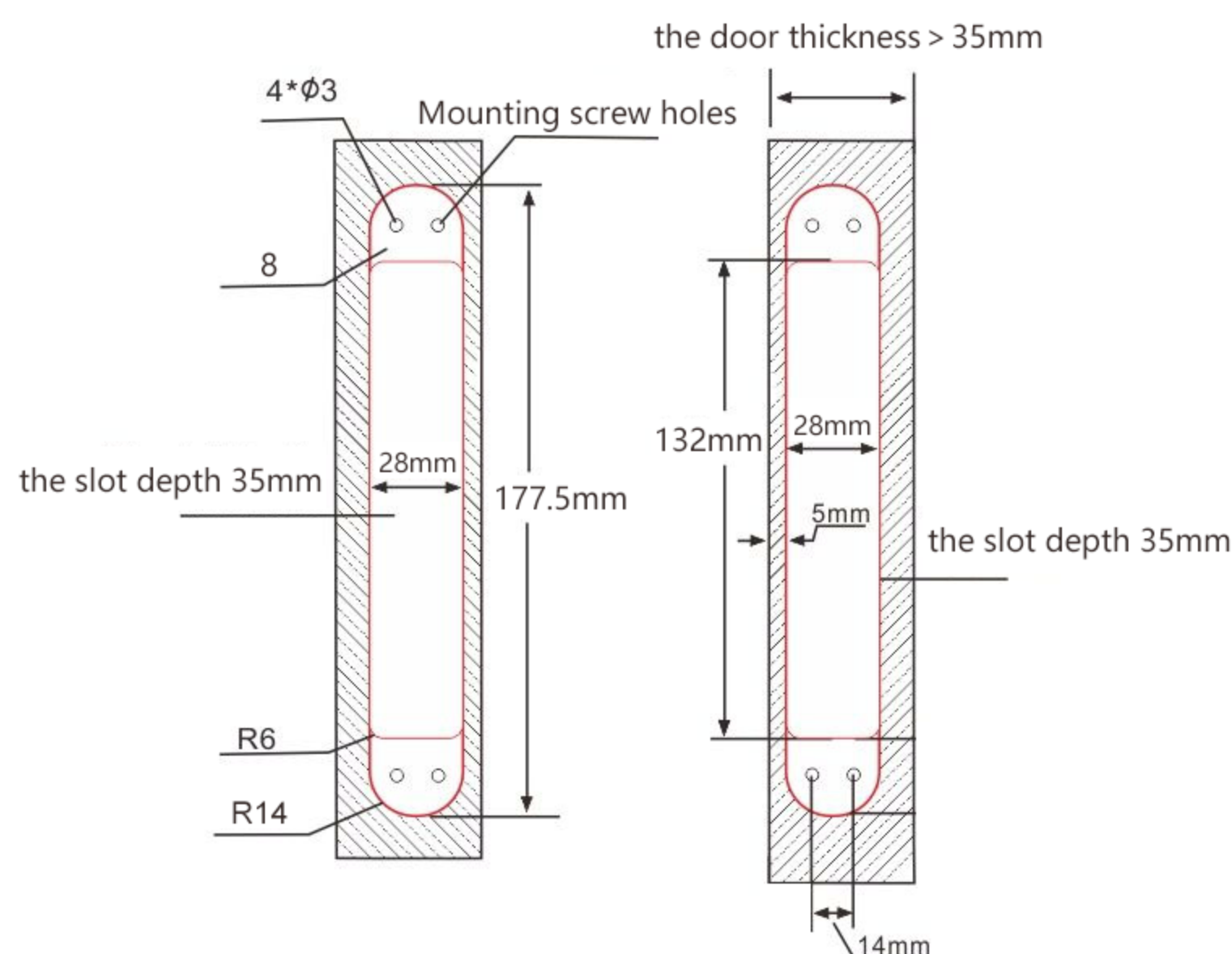
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2. The maximum opening Angle is 180 degrees.
3. Positioning: 90° positioning, 90° to 180° between arbitrary stay.



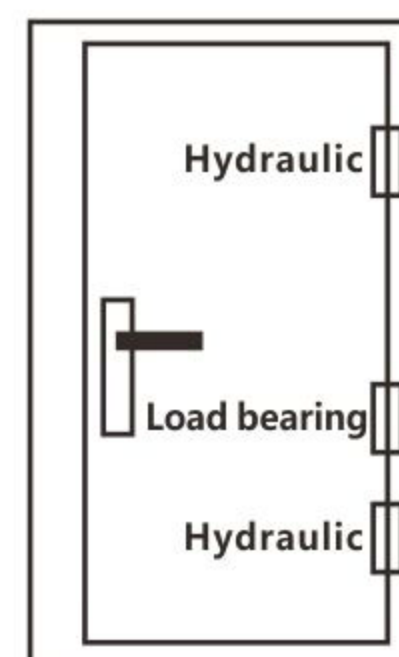
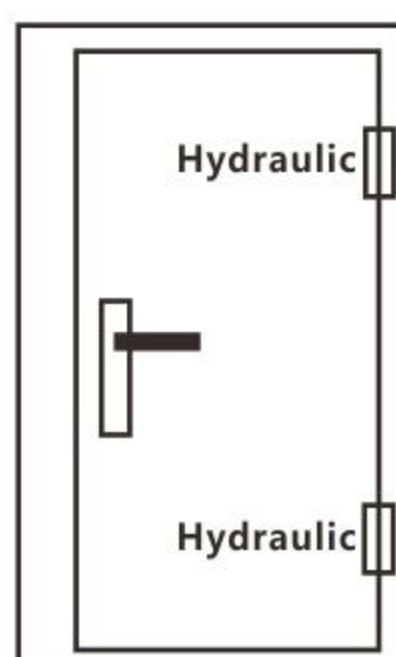
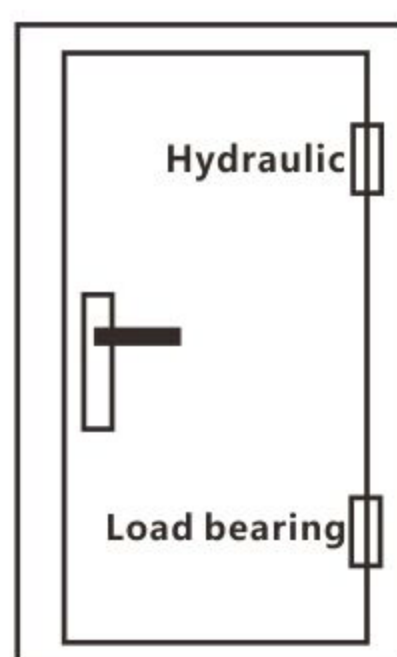
4. 2-D adjustable: ±1.5mm left and right, ±3mm up and down.
5. No need to distinguish between left and right installation.



04 Hinge opening size drawing



05 Hinge installation position



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