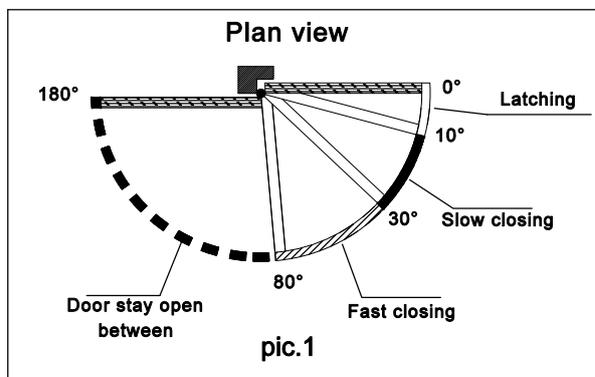


Hydraulic door hinge instruction manual

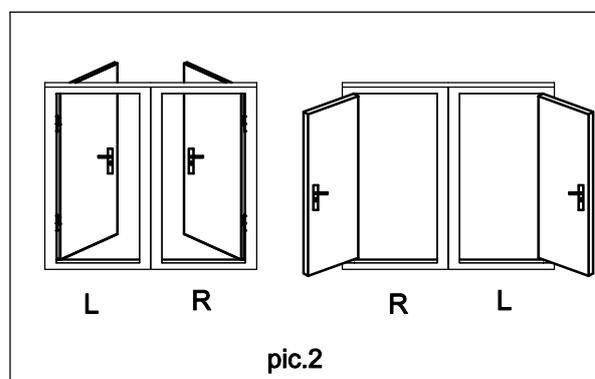
Description

1. This auto hinge system consists of spring hinge, hydraulic hinge and empty hinge.
2. It has auto close and anti pinch function, closing is soft and quiet.
3. Max. opening angle 180°, stay open between 90°~180°, 3 closing speeds:
Fast closing: 80°~30°
Slow closing: 30°~10°
Latching: 10°~0°
4. Door closing speed is adjustable through adjusting the screw on bottom of hydraulic hinge

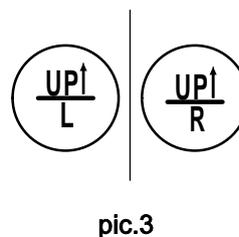


Notice to read before installation

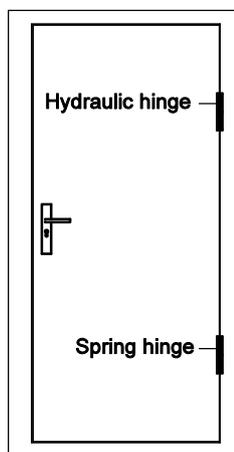
1. Check if the hinge open direction matches with the door.
Determine direction according to pic.(2)
2. Check if the load capacity of hinge matches with the door weight.



- a. door weight ≤ 40kgs
use 1hydraulic+1spring
hydraulic on top, spring on bottom (pic.4)
 - b. door weight 40~60kgs
use 1hydraulic+1spring+1empty (pic.5) hydraulic on top, spring on upper middle, empty on bottom.
 - c. door weight 60~80kgs
use 1spring+1hydraulic+1spring (pic.6)
spring on top, hydraulic on upper middle, spring on bottom
3. A guide to distinguish the spring hinge, hydraulic hinge and empty hinge
Hydraulic hinge: has slot screw and Fast/Slow label on bottom
Spring hinge: has "Do not remove this screw before installation is done" label on hinge body
Hinge: no label

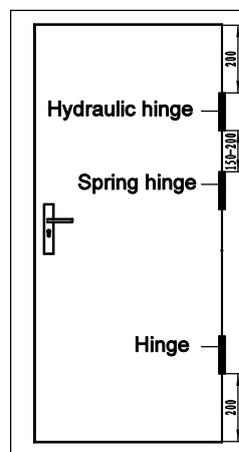


Caution:
When the set screw is mounted on spring hinge, do not open or close the door.
Tune the hinge and tighten the screws regularly.
If you need to remove hinges, mount the set screw on spring hinge before you do.
To remove the set screw on hydraulic hinge is always forbidden.



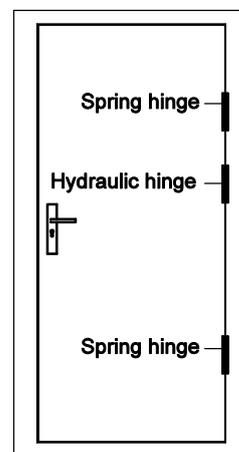
Door weight ≤ 40kg

pic.4



Door weight 40-60kg

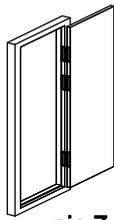
pic.5



Door weight 60-80kg

pic.6

Installation steps:



pic.7

1. Determine placement of the hinges, and then slot on the door and door frame on proper positions. The top and bottom hinge is suggested to sit 200mm away from top and bottom edge, the upper two hinges is suggested to keep distance of 150~200mm from each other. (pic.7)

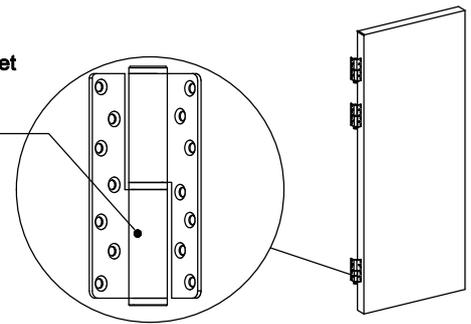
To cut slot of 3mm deep on both door panel and door frame.

a. To cut slot of 3mm deep on both door panel and door frame, the gap will be 2~3mm

b. To cut slot of 3mm on only one side, the gap will be 5mm, if it's possible to cut a slot of 6mm deep, the gap can also be 2~3mm.

c. If no slotting, the gap will be 7mm.

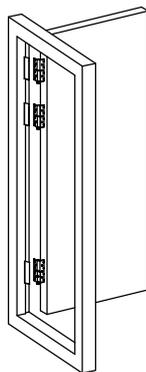
Don't remove this set screw before installation is done.



pic.8

2. Mount the hinges to the door panel in sequence. The end has UP label should be upward. It is very important to keep door hinges aligned in same vertical center.

Drive screws in smoothly and vertically. Skew screws will make door unable to close evenly. (pic.8)



pic.9

3. Open the hydraulic and empty hinge to same angle like the spring hinge, around 100°.

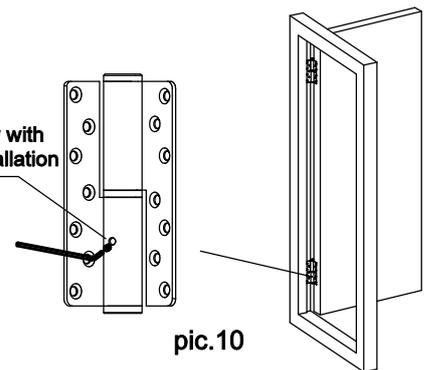
Mount the door panel to the door frames by the hinges. (pic.9)

Also keep attention to the hinge alignment.

To make alignment easier. It's suggested to make fewer screw holes and don't fasten all screws at beginning of installation. After getting the satisfactory effect, then to make the rest screw holes and mount all screws.

Do not open or close the door before removing the set screw on spring hinge.

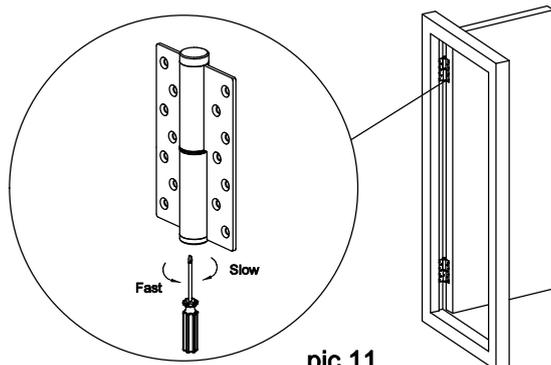
Remove the hex screw with allen wrench after installation



pic.10

4. Remove the hex screw with allen wrench after installation. (pic.10)

Watch if the door has been installed firmly and can move smoothly.



pic.11

5. Closing speed adjustment

Use screwdriver to turn the screw on bottom of hinge. CW for slow, CCW for fast. (pic.11)

Notice:

The hinge has soft close function, please do not force the self closing door to close quickly as this may cause malfunction.

Temperature change has effect on closing speed.

Do not weld the hinge.

Do not knock the hinge.