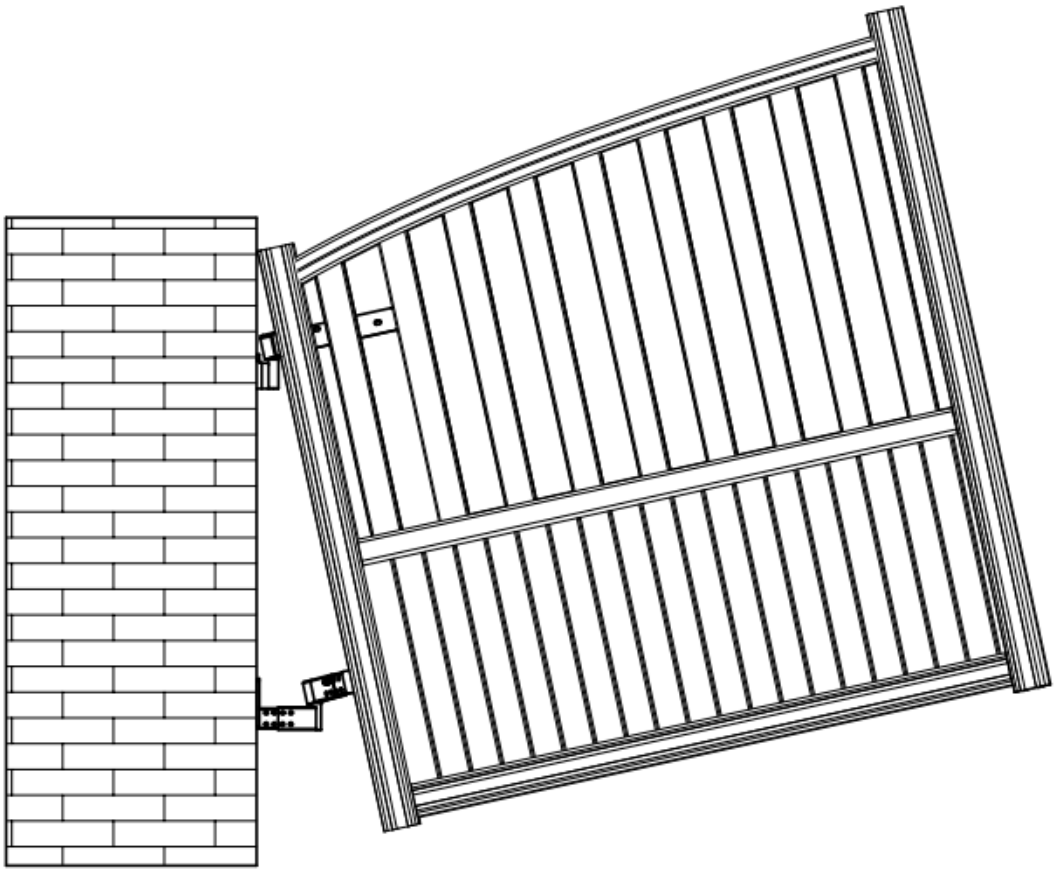
Rising Gate Hinge Installation Instruction



General safety



WARNING! An incorrect installation or improper use of the product can cause damage to persons, animals or properties, should always request the assistance of qualified personnel.

1. All parts (including purchased and outsourced parts) must be inspected and qualified before assembly.
2. Parts must be cleaned and washed before assembly. There must be no burrs, flash, oxide scale, rust, chips, sand, dust and oil, etc., and they must meet the corresponding cleanliness requirements.
3. Parts must not be bumped, scratched or rusted during assembly.
4. The relative positions of all parts and components should be accurate after assembly.

This product involves screw (bolt) connection requirements:

1. It is strictly forbidden to hit or use inappropriate screwdrivers and wrenches when tightening screws, bolts and nuts. After tightening, the screw slots, nuts, screws, and bolt heads must not be damaged.
2. When the exact part is tightened with multiple screws or bolts, each screw (bolt) must be tightened clockwise, staggered and symmetrically. If there is a locating pin, start with the screw or bolt close to the locating pin.
3. After the screws, bolts and nuts are tightened, the screws and bolts should generally be exposed 1-2 pitches from the nuts.
4. After the screws, bolts and nuts are tightened, their supporting surfaces should fit the fastened parts.

Hinge installation requirements:

1. Carefully check the following requirements before installing the hinge.
2. According to the door drawing, check the door type, specification, opening direction and combination rod accessories,

and check and correct the shape and flatness. Only install after passing the inspection.

3. Check the opening size according to the design requirements and correct it if it does not meet the design.

Installation Overview

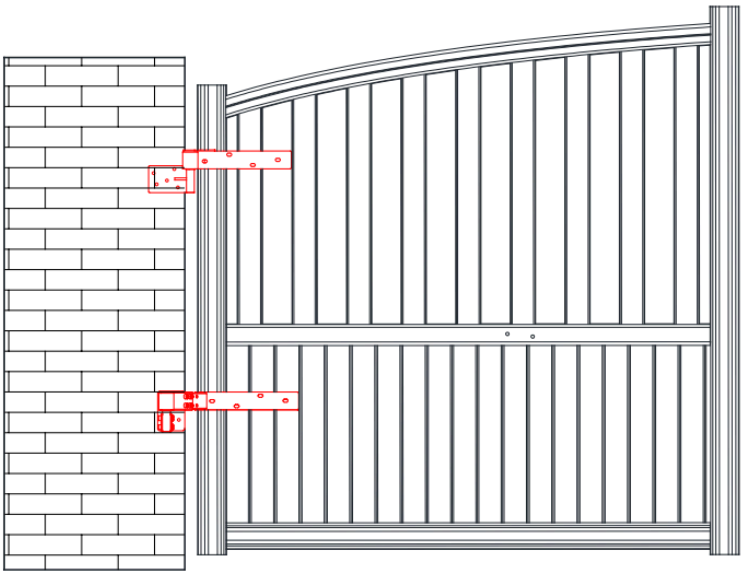


Diagram 1

Packing List

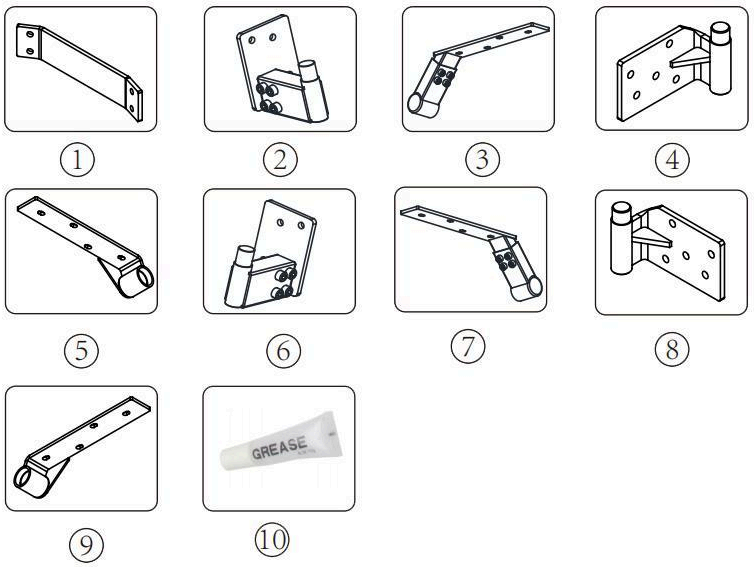


Diagram 2

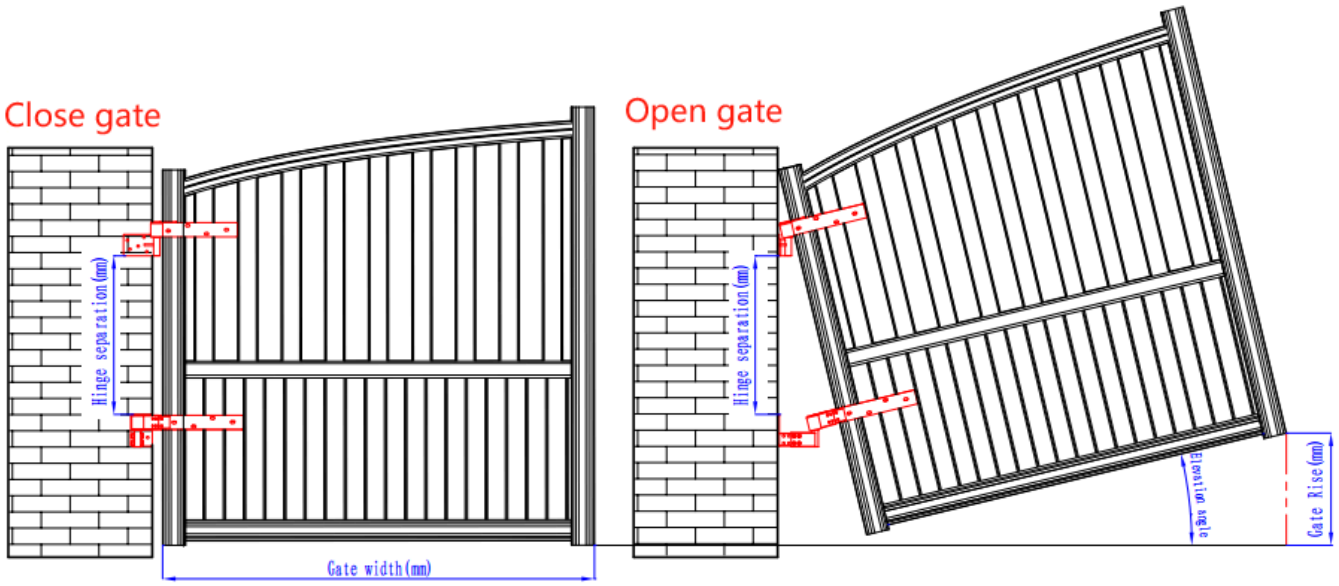
① Strengthening plate x2
② Left hand bottom hinge x1
③ Left hand bottom strap hinge x1
④ Left hand top hinge x1
⑤ Left-hand top strap hinge x1
⑥ Right hand bottom hinge x1
⑦ Right hand bottom Strap hinge x1
⑧ Right hand top hinge x1
⑨ Right hand top strap hinge x1
⑩ Lubricating oil

Installation tools

① Impact drill
② Spanner
③ Electric screwdriver
④ φ8 Drill bit
⑤ Phillips head screwdriver
⑥ Hammer
⑦ Socket spanner
⑧ Screws and expansion screws

Installation of rising gate guideline

Step 1. Installation parameter confirmation: Confirm the width of the door on site and the height to be lifted.



Step 2. Refer to (Diagram 3) and (Table 1) to select the appropriate hinge distance.

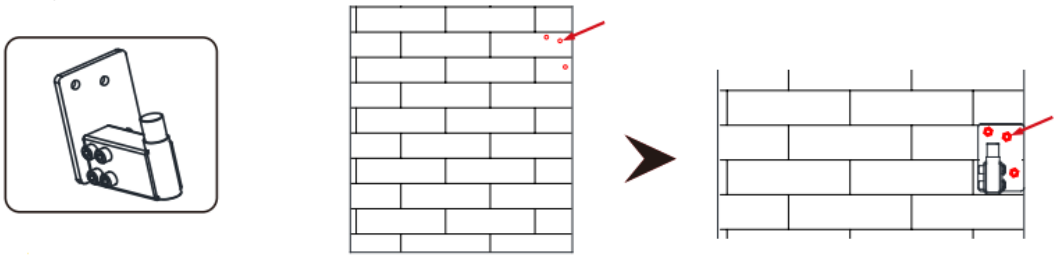
	Hinge separation(mm)							
Hinge separation(mm)	550 mm	650mm	800mm	900mm	1000mm	1100mm	1200mm	1300mm
Elevation angle	13.6°	11.85°	9.93°	8.96°	8.17°	7.5°	6.93°	6.45°
Gate width(mm)	Gate Rise(mm)							
900	212	185	155	140	128	117	109	101
1000	235	205	172	156	142	131	121	112
1100	259	226	190	171	156	144	133	124
1200	282	246	207	187	171	157	145	135
1300	306	267	224	202	185	170	157	146
1400	329	287	241	218	199	183	169	157
1500	353	308	259	234	213	196	181	169
1600	376	329	276	249	227	209	193	180
1700	400	349	293	265	242	222	205	191
1800	423	370	310	280	256	235	217	202
1900	447	390	328	296	270	248	229	213
2000	470	411	345	311	284	261	241	225

Table 1

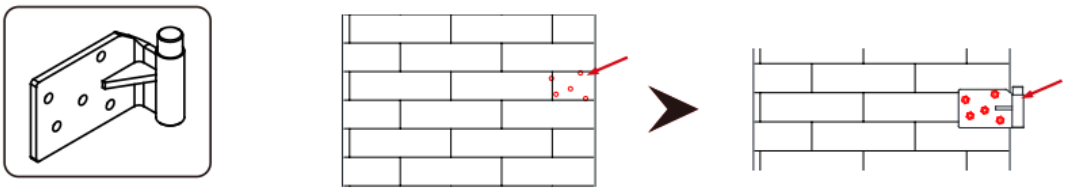
Installation Instructions

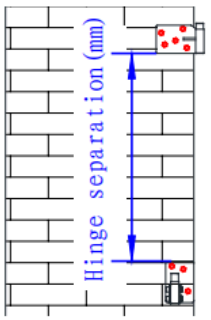
For example, install the left-hand rising gate hinge kit.

Step 1. According to the site environment and gate width, install the bottom fixed hinge on the wall. Install and lock the left-hand bottom hinge to the wall.

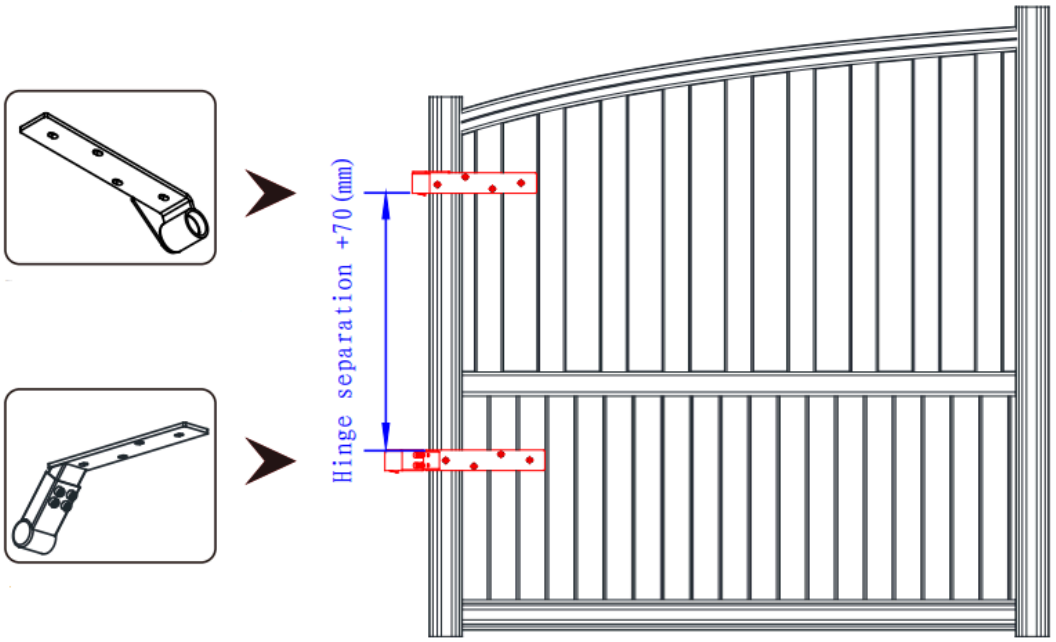


Step 2. Install the left-hand top hinge on the wall according to the height to be lifted and the actual situation, and lock the left-hand top hinge to the wall.



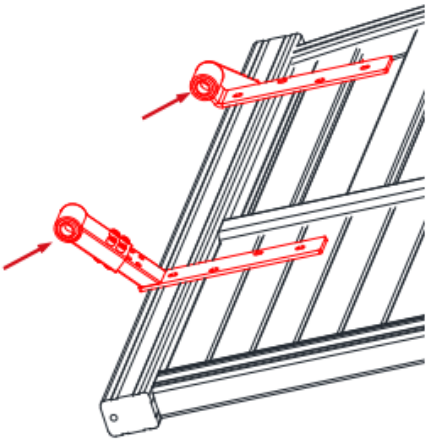


Step 3. The left-hand top strap hinge and the bottom strap hinge are installed on the gate body according to the distance of the hinge installation.

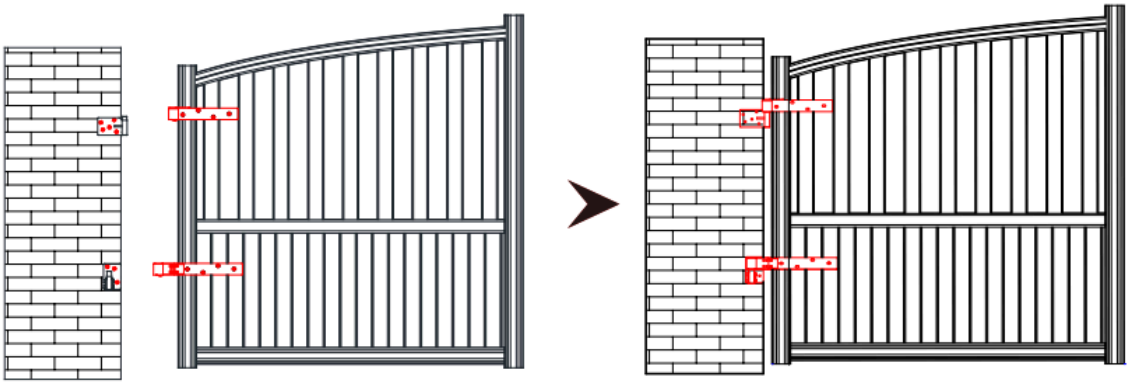


Step 4. Apply a proper amount of lubricating oil to the bearings of the top strap hinge and the bottom hinge.

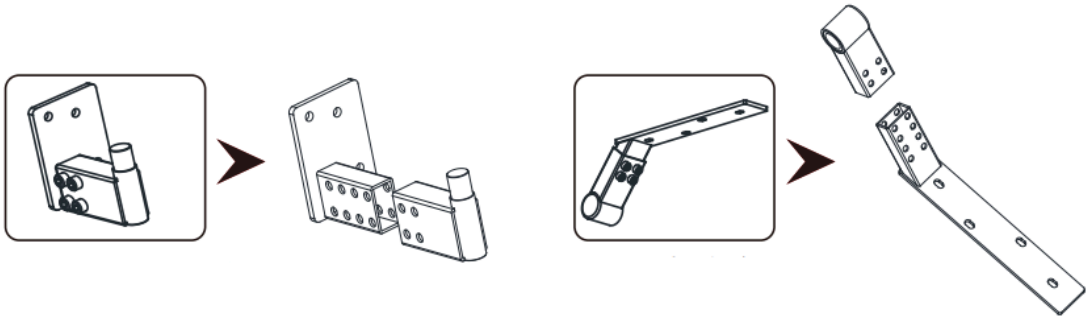




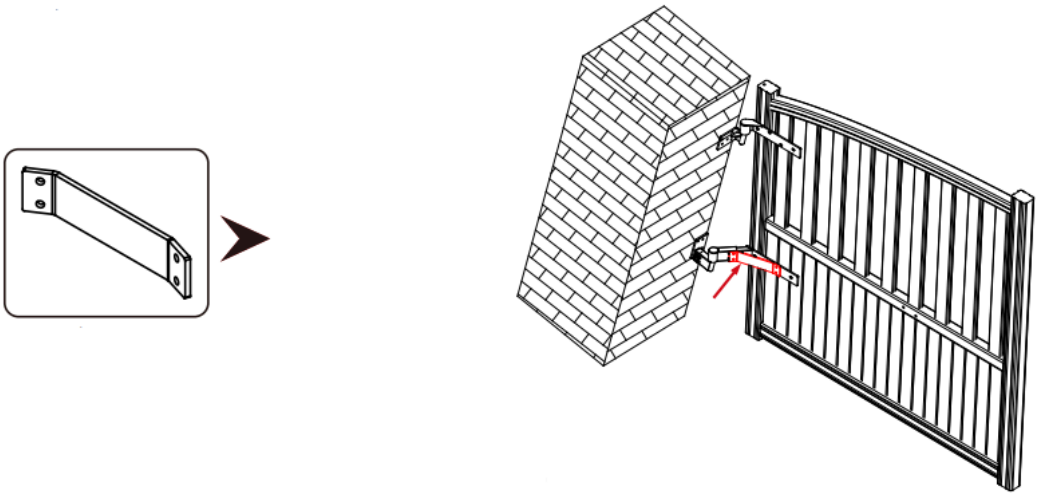
Step 5. Assemble the gate and hinges together.



Step 6. Manually open and close the gate to check if it meets the requirements. If the gate lifting height is not ideal, adjust the hole positions of the bottom hinge and the bottom strap hinge. Install the bottom hinge reinforcement plate.



Step 7. Install the bottom strengthening plate.



Step 8. Installation completed.

