



OUTDOOR GATE HARDWARE

# WOODEN GATE TENSIONER

## INSTALLATION & CARE GUIDE

Help correct a sagging outdoor wood gate with an adjustable steel tension brace.

## 56-108 inches

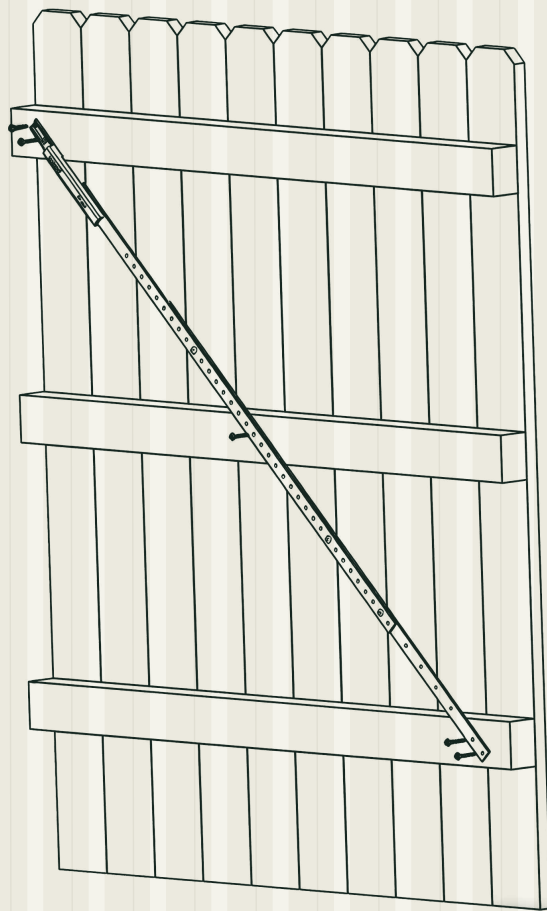
Adjustable length

## 5

Illustrated steps

HOT-DIP GALVANIZED FINISH

[sales@supconn.com](mailto:sales@supconn.com)



ILLUSTRATED ASSEMBLY GUIDE



SCAN FOR THE  
DIGITAL MANUAL

View or download  
the complete guide.

## 01 / GET READY

# Everything you need to know

Check the included components before installation. Hardware illustrations are not to scale.

01



Fixed Pull Plate

1 pc

02



Tension Drive Arm Plate

1 pc

03



Stainless Steel Hex-Socket Bolts

3 pcs

04



M7 x 45 mm Hex-Head Wood Screws

5 pcs

## AT A GLANCE

**56-108 inches**

Adjustment range

**HDG STEEL**

Corrosion-resistant finish

**WOOD GATES**

Residential outdoor use

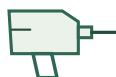
## RECOMMENDED TOOLS



Tape Measure



Pencil



Drill + Bit



Wrench / Hex Key

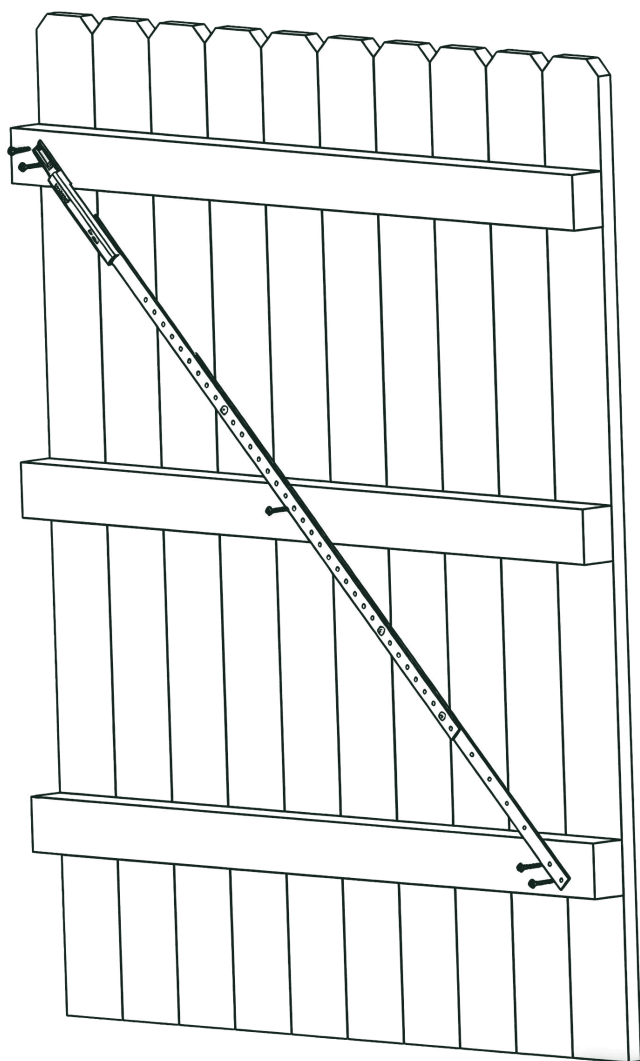


Safety Glasses

## 02 / PLAN

# Set up for a clean install

Confirm the mounting orientation and choose solid attachment points before drilling.



REFERENCE INSTALLATION ORIENTATION

### BEFORE YOU BEGIN

- ✓ **Inspect the gate**  
Check that the gate, hinges and wooden rails are in sound condition.
- ✓ **Plan the diagonal**  
Position the brace to match the orientation shown at left.
- ✓ **Use solid wood**  
Place mounting screws into structural wood rails, not only thin pickets.
- ✓ **Check the fit**  
Verify the span between your mounting points. The adjustment range is 56-108 inches.

### PRO TIP

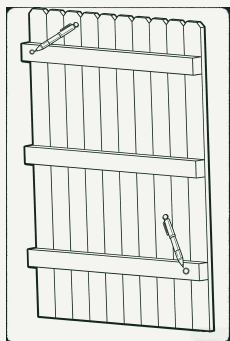
If the posts, hinges or gate frame are damaged, repair those issues first. This kit is not a substitute for sound construction.

**IMPORTANT:** Install only on outdoor wooden gates. Never use this tensioner for glass or metal gates.

## 03 / INSTALL

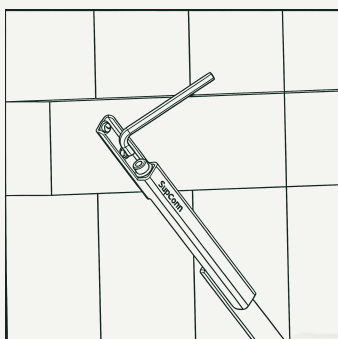
# Five steps to a straighter gate

Follow the numbered sequence. Illustrations correspond to the original product hardware.



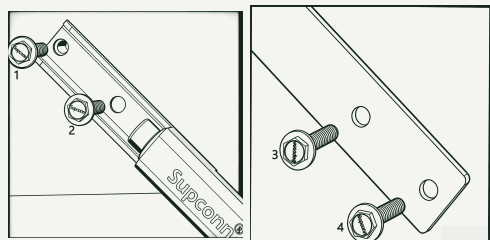
### 1 Mark the mounting points

Hold the tensioner against the gate as shown. Mark both mounting locations with a pencil and drill pilot holes as appropriate.



### 2 Set the tensioner length

Measure the required span, align the corresponding threaded hole and insert the supplied hex-socket locking bolt. Tighten securely.



### 3 Fasten the end plates

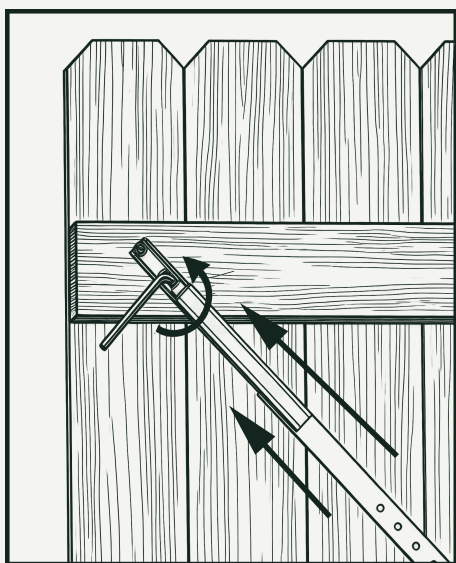
Install the mounting screws at positions 1, 2, 3 and 4 to secure both end plates to the gate.

Use appropriate tools to avoid stripping the fasteners.

04 / ADJUST

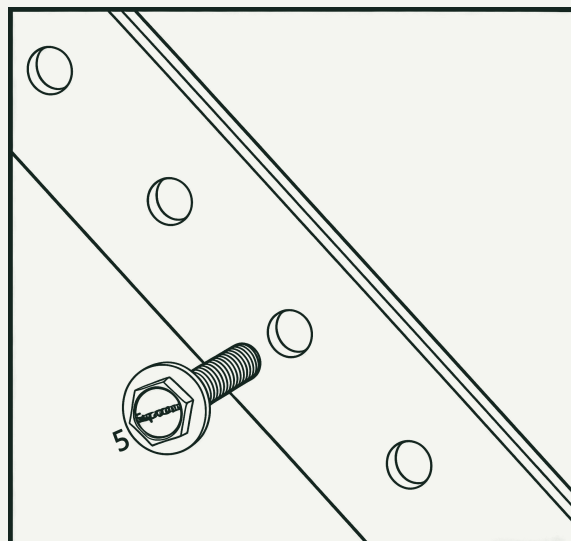
## Lift, Secure, Check

Make small adjustments until the gate opens and closes smoothly.



### 4 Correct the sag

Using a wrench or hex key, rotate the upper adjustment bolt to gradually lift the sagging gate into the desired position.



### 5 Lock the center joint

Once the gate is aligned, install the final fastener at the middle connection point marked 5.

#### FINAL CHECK

- ✓ Gate swings freely. Open and close the gate several times.
- ✓ Hardware is secure. Check all five numbered mounting fasteners and the adjustment bolt.
- ✓ Do not over-tighten. Stop when the gate is aligned; excessive tension may damage wood or hardware.



## 05 / STAY SAFE

# Use it safely. Keep it working.

A few practical checks help keep your gate functioning and your hardware in good condition.



### DO NOT OVER-TENSION

Adjust gradually. Applying excessive tension can damage the gate, its frame or the tensioner components.

## SAFE USE

- ✓ Wood gates only — Not intended for metal, glass or other gate materials.
- ✓ Stay within the range — Do not extend or force the assembly beyond 56-108 inches.
- ✓ Protect yourself — Use care when drilling and turning tools. Wear eye protection and avoid hand pinch points.
- ✓ Get help if needed — If you are unfamiliar with gate repair or the gate is unstable, seek professional assistance.

## CARE & INSPECTION

Every 3-6 months: Check all fasteners and adjustment parts for looseness, rust, wear or deformation.

Keep it clean: Wipe off dirt and debris with a dry cloth, especially around adjustable parts.

Address corrosion: For localized rust, clean the affected area and apply a suitable corrosion-protection product.

Replace damaged parts: Do not continue using bent, cracked or excessively worn components.

06 / NEED HELP?

## Quick troubleshooting

If something does not feel right, stop adjusting and identify the cause before continuing.

### 01 THE GATE STILL SAGS

#### POSSIBLE CAUSE

Insufficient tension, incorrect placement, or an incorrectly set brace length.

#### WHAT TO DO

Confirm that both plates are mounted in the intended locations. Recheck the length and adjust the tension drive arm in small increments.

### 02 ADJUSTMENT FEELS STIFF

#### POSSIBLE CAUSE

Dirt or corrosion around the adjusting hardware.

#### WHAT TO DO

Remove accumulated debris and apply a suitable light anti-rust lubricant to the adjustment parts, then try again gently.

### 03 AN END PLATE IS LOOSE

#### POSSIBLE CAUSE

Loose wood screws or an uneven / deteriorated mounting surface.

#### WHAT TO DO

Tighten the fasteners and inspect the wood. A suitable flat spacer may be needed on an uneven surface; replace damaged wood or hardware.



#### SCAN FOR THE DIGITAL MANUAL

View or download the complete installation & care guide.

[supconn.com/manuals/gate-tensioner.pdf](https://supconn.com/manuals/gate-tensioner.pdf)

Questions? [sales@supconn.com](mailto:sales@supconn.com)