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# SUPERHINGE HEAVY DUTY GATE HINGE WITH CORNER LUGS



**Weld-on** **20-year warranty***

**Tested up to 500,000 openings**

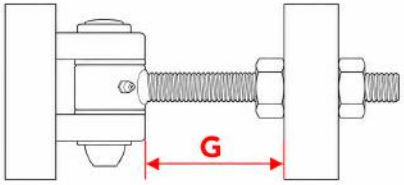
**Suitable for metal gate frames.**

- Low-friction design makes it ideal for use with automated gates.
- Features adjustable bolt for accurate on-site fitting.
- Offset / Incline version available.

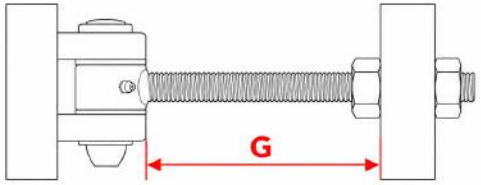
MADE IN BRITAIN

Maximum gate mass depends on the G dimension, a smaller G dimension generally supports more weight. Refer to the table for the recommended maximum gate mass.

| Product code | G= 0-50mm | G= 50-100mm | G= 100-150mm |
|---|---|---|---|
| SH16C | 150kg | 100kg | x |
| SH20C | 300kg | 225kg | x |
| SH25C | 450kg | 350kg | x |
| SH30C | 850kg | 550kg | 425kg |




**Smaller G**
**(Higher allowable weight)**




**Larger G**
**(Lower allowable weight)**

IMPORTANT: These load values are guidelines only and assume correct installation and normal use. For gates near the stated limits or where suitability is uncertain, consult a qualified structural engineer before installation.

**The warranty covers defects in materials and manufacture and does not cover installation workmanship, including welding, or damage resulting from incorrect installation.*

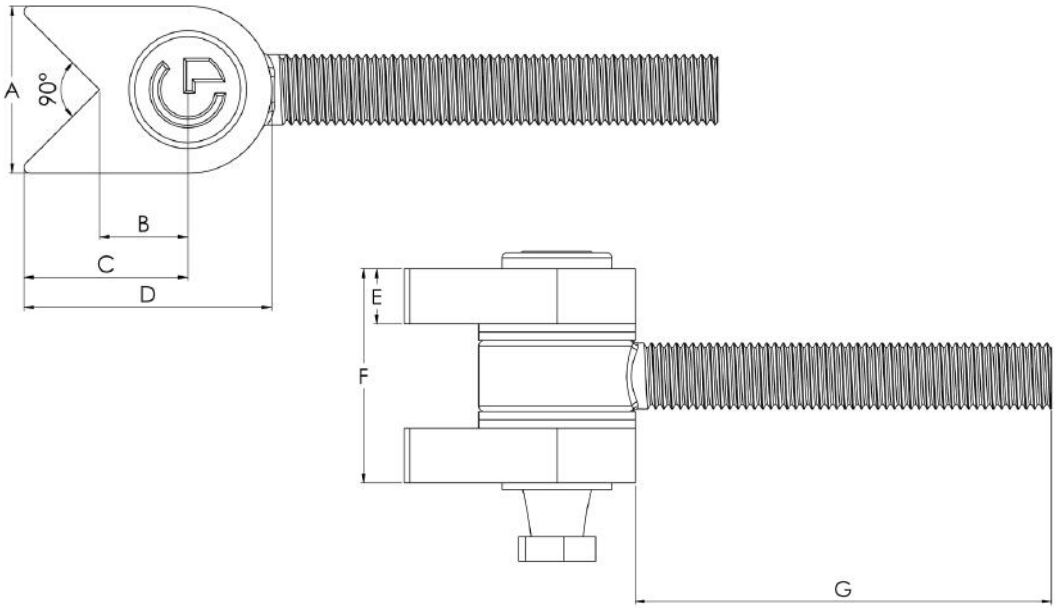
## INSTALLATION INSTRUCTIONS

1. With the hinge still assembled, weld the 2 lugs to the corner of the gate post, then unscrew the break-off nut and disassemble the hinge
2. Drill a hole through the gate frame to suit the thread size
3. Once the gate has been galvanized or painted, reassemble the hinge without the sacrificial 1.8mm washer. Tighten the break-off nut until the hex breaks off.
4. Hang the gate on the threaded portion with a nut on each side and adjust as necessary.

MAINTENANCE: Lubricate during fitting and once every 6 months to ensure maximum product life.

## PRODUCT DETAILS

| Product code | Thread size | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|---|
| SH16C | M16 | 35mm | 26mm | 44mm | 59mm | 50mm | 57mm | 100mm |
| SH20C | M20 | 44mm | 30mm | 52mm | 74mm | 15mm | 62mm | 125mm |
| SH25C | M24 | 57mm | 30mm | 58.5mm | 87mm | 20mm | 78mm | 150mm |
| SH30C | M30 | 64mm | 35mm | 67mm | 99mm | 25mm | 92mm | 200mm |



# OTHER VARIATIONS OF THE SUPERHINGE



### Superhinge Inline Version (SH-I)

- Tested for over 500,000 gate openings without any sign of wear, equating to approximately 50 years of daily use at 25 gate openings per day.
- Capable of supporting gates weighing up to 600kg.
- Ideal for both automated and manual gates.
- Available in multiple sizes with adjustable installation options.



### Superhinge Offset Version (SH-O)

- Features adjustable bolt for accurate on-site fitting.
- Tested for over 500,000 gate openings without any sign of wear, equating to approximately 50 years of daily use at 25 gate openings per day.
- Ideal for both automated and manual gates.
- Available in multiple sizes with adjustable installation options.



### Superhinge Standard Version (SH)

- Tested for over 500,000 gate openings without any sign of wear, equating to approximately 50 years of daily use at 25 gate openings per day.
- Capable of supporting gates weighing up to 900kg.
- Ideal for both automated and manual gates.
- Available in multiple sizes with adjustable installation options.

## HELP & SUPPORT

Need further assistance? Our customer support team can help with order queries, product identification, spare parts, warranty information and general after-care.

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# COMPATIBLE PRODUCTS

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To help improve gate security and overall performance, the Inline Superhinge can be paired with a range of Gatemaster products. These options are designed to work alongside your Superhinge, helping create a stronger, safer and more complete gate installation.



### Gate Safety Restrainer (GRS)

- Made from stainless steel.
- Easy to fit.
- Fits on any box section gate and can easily be retro-fitted.
- The gate restrainer makes a nice finish to any gate of any colour.
- Depending on the size can withstand 500kg in weight.



### Gate Closing Strut (GSB)

- Ideal for closing gates up to 80kg.
- Easy to fit as comes with adjustable brackets meaning there is no need to compress the strut when fitting to a gate.
- Force can be adjusted using the adjustable brackets provided.
- Comes as either a weld-on or screw fix version.



### Hydraulic Gate Closer (APS)

- Provides safe, reliable gate closing using a proven hydraulic mechanism, ideal for schools, playgrounds, and other applications where adjustable closing speed is essential.
- Designed to support gates up to 150kg.
- Available with either a standard top hinge or an integrated 90° stop, offering a durable, unobtrusive, and maintenance-free solution.
- Requires no power.