

# Self Closing Safety Gates & Spring Assemblies

Revision #	Revision Date
# 0	18/01/2023

**Lockinex**  
*great service, great quality*

## INTRODUCTION

Lockinex safety gates are supplied direct from stock, in standard formats.

Quick despatch and delivery ensures seamless installation by the engineer or end user. Simple to operate and with specially designed torsion springs on the hinges, they are "self closing".

Ensuring a safe working environment for personnel, these heavy duty robust gates are a reliable resilient product.

## APPLICATION

Self closing Safety Gates are commonly in industry such as, processing plants, factories, waste management. Installation in Walkways, access points, staircases, access ladders, ramps and high level walking areas.

## COMPOSITION, MANUFACTURE

Manufactured from mild steel, with a galvanised finish.

Springs are stainless steel.

Powder coating can be applied to gates if required.

View our install guide video online: <https://www.youtube.com/watch?v=FyDXfC1Tvwk>

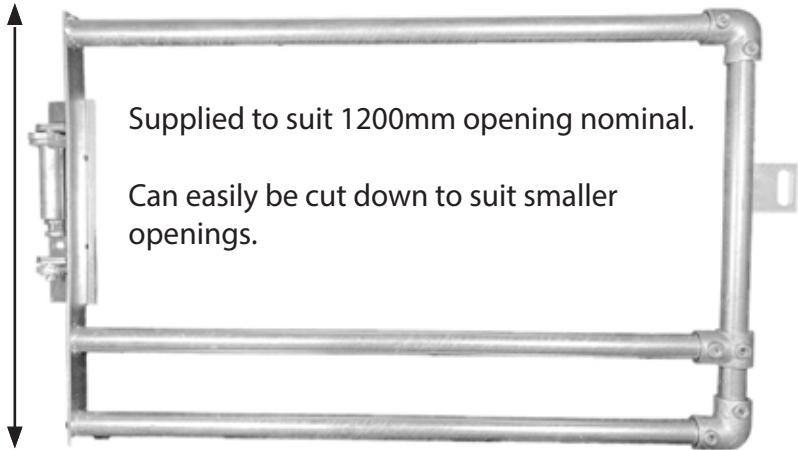


How to Install a self closing safety gate - Lockinex UK

**Gate-21**

*With enclosed safety spring design.*

700mm nominal

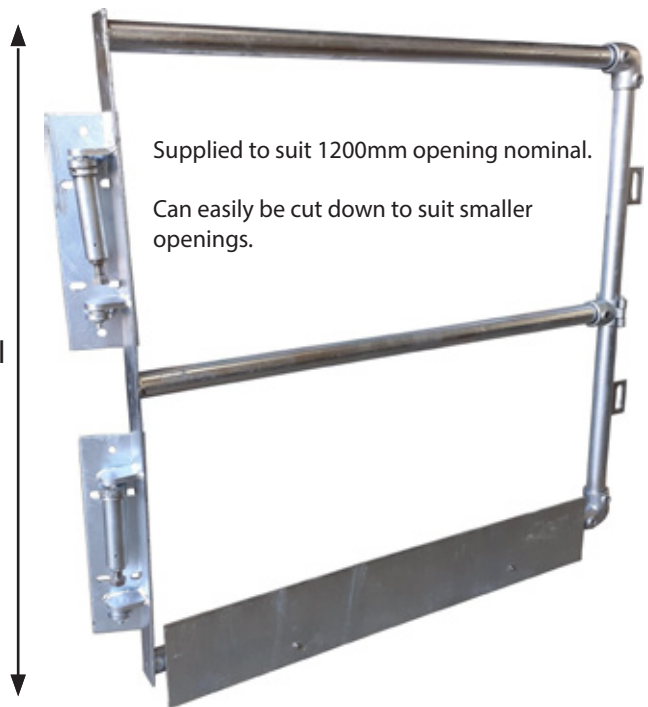


Compliant to BS EN ISO14122-3:2016  
Galvanised to BS EN1461: 2009

Incorporates the Lockinex enclosed safety spring.

This gate can be used with our access ladder system or secured to 42.4/48.3mm tubular key clamp uprights using the U bolts supplied with the kit. It can be utilised as a safety gate for other purposes too. This gate is self-closing. Gate functions through 180 degree. Tensioning spring in either a clockwise or anti-clockwise direction to swing gate either way, it can be hung left or right handed. Gate frame may be easily cut down to suit required opening. Supplied in kit form ready for quick assembly.

1100mm nominal



Compliant to BS EN ISO14122-3:2016  
Galvanised to BS EN1461: 2009

Incorporates the Lockinex enclosed safety spring.

This gate can be used with our access ladder system or secured to 42.4/48.3mm tubular key clamp uprights using the U bolts supplied with the kit. It can be utilised as a safety gate for other purposes too. This gate is self-closing. Gate functions through 180 degree. Tensioning spring in either a clockwise or anti-clockwise direction to swing gate either way, it can be hung left or right handed. Gate frame and aluminium toeboard can be easily cut down to suit required opening. Supplied in kit form ready for quick assembly.

Enclosed stainless steel spring set. The main body/housing is galvanised to BS EN1461: 2009. The hinges are self colour ready for welding. The maximum load the spring can hold and still function properly is 10kg. If the load is greater than 10kg, consider using more than 1 spring. Spring functions through 180 degree maximum.

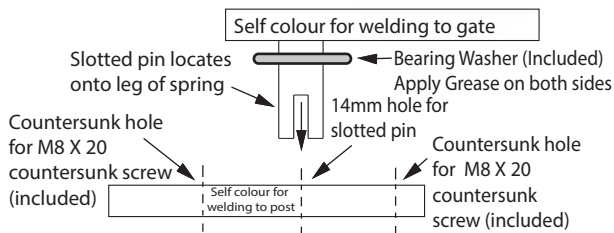
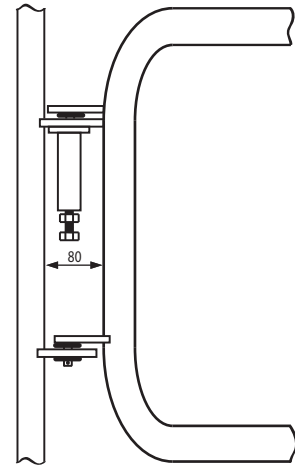
**GS-02 Gate spring set  
(lugs for welding to tube)**



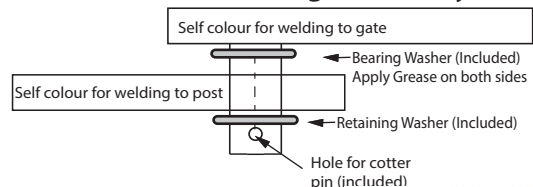
**GS-01 Gate spring set  
(lugs for welding to tube)**



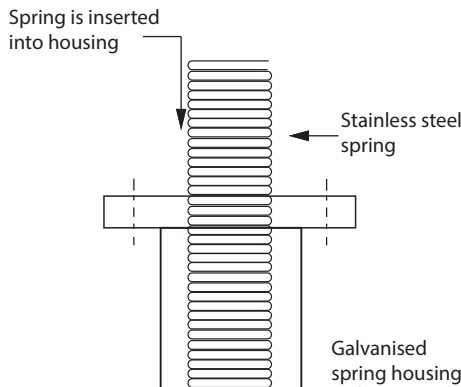
**Upper Hinge assembly**



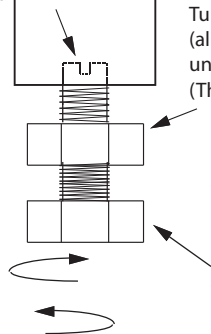
**Lower Hinge assembly**



Self colour lugs for welding.



Slotted bolt locates onto leg of spring

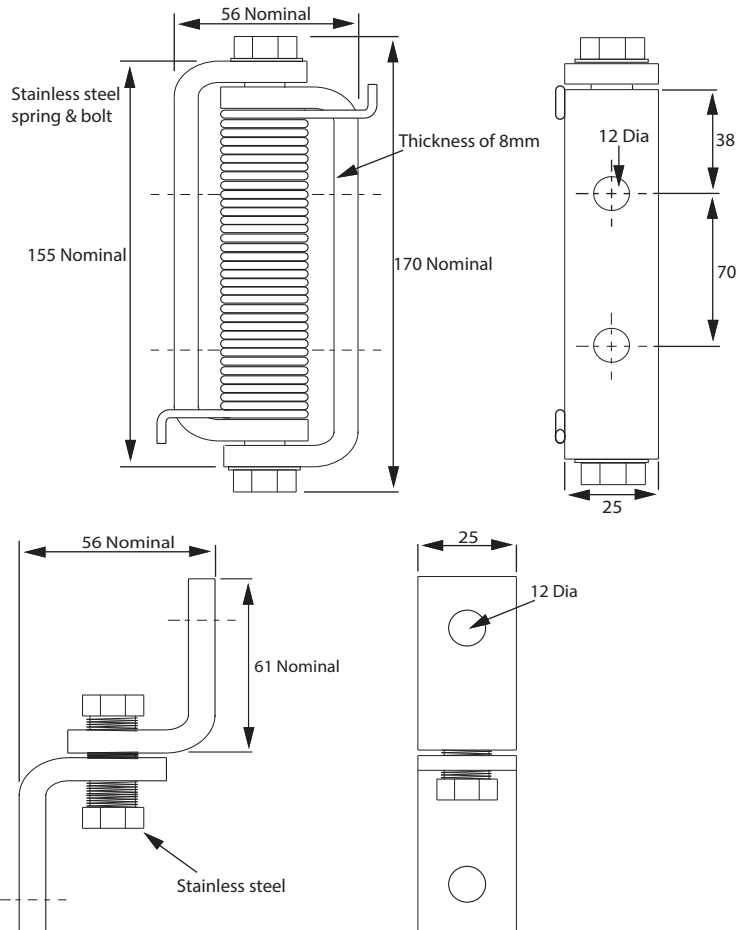


**Prior** to attachment of the gate, set this locking nut approximately halfway down the length of the bolt. Turn bolt clockwise into the spring housing (aligning the lower spring tang in its slot) until locking nut reaches the spring housing. (This action compresses the spring within the housing.)

Take the gate and align the top hinge with the upper tang of the spring. (Viewable from the top of the spring housing). Lower the gate into the respective hinge bodies. Set the gate in its CLOSED position between the posts. Turn bolt half turn, to increase spring torsion, in either a clockwise or anti-clockwise direction. This will swing the gate in the direction of choice. The gate can be hung left handed or right handed. Over torsion will damage the internal spring.

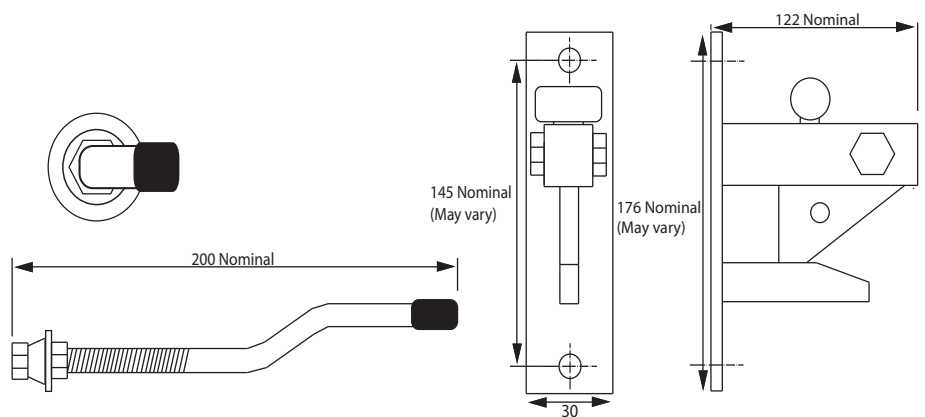


**GLS-Gate  
spring set  
galvanised  
or self colour**



Gate spring set. Available with all mild steel components in galvanised or self colour (For welding). The suggested maximum weight of the gate 10kg. Use multiple springs if gate is heavier. Spring functions through 90 degrees max.

**GL01  
Galvanised**



Gate latch and striking pin (Note, please state diameter of tube it is being fixed to). 3 x Lockinex A36 clamps are required to fix to the supporting tube. Relevant fixings/screws are also required separately to connect latch to A36's.