Self Closing Safety Gates & Spring Assemblies
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.

Galvanised & Yellow coated gates are stock items.

DESIGN
Lockinex gates are manufactured from manipulated tubing sections & plate steel.

Fully welded, they are of a one piece construction.

This provides the most robust application for purpose and is proven to be the most successful design for long term durability

Lockinex DO NOT employ any clamps or brackets in the gate chassis/construction.

1.0mtr wide Self Closing Safety gate with optional mesh kit infill.
Incorporating the Lockinex Safety enclosed spring hinge.
This Self closing gate comes with a hot dipped galvanised finish as standard. The gate is of a superior, welded construction. Posts are available in 42.4mm dia or 48.3mm dia (Please specify when ordering). Gate functions through a 180 degree arc- maximum. Gate may be cut down to suit required opening and re-joined using the Lockinex gate adjustment kit.

The A02 and the A06 can be used to create a run of hand-railing from either gate post (as shown) if required. View the Lockinex Key Clamp brochure for our full clamp range.

Various base plates are available for the posts. Please refer to product codes A12 to A17 inclusive in the Lockinex Key Clamp brochure.
**Gate-01**
Full Height Gate with 42.4mm dia posts & Integral Toe Board.

**Gate-03**
Full Height Gate with 48.3mm dia posts & Integral Toe Board.

Mesh Panels optional for upper & lower openings. (Order “Mesh-Kit-6”)

1.0mtr wide nominal

Note!
The A32 Retro Fit T is required on the hinged post when connecting a horizontal rail

Various base plates are available for the posts. Please refer to product codes A12 to A17 inclusive in the Lockinex Key Clamp brochure.

The A02 and the A06 can be used to create a run of hand-railing from the padlock eye gate post (as shown). View the Lockinex Key Clamp brochure for our full clamp range.
Incorporating the Lockinex enclosed safety spring.

This gate is primarily used with our access ladder system. It is affixed at the top of the ladder at the exit point. It can be purchased separately and utilised as a safety gate for other purposes. This gate is self-closing. Perfectly Designed - The gate is of a superior, fully welded construction. 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 may be cut down to suit required opening and re-joined using the Lockinex gate adjustment kit.

* Springs may vary in design to illustrations shown.
The Lockinex gate adjustment kit consists of 2 x A08-7 Lockinex key clamps which provide a strong joint between the 2 halves of the cut gate. Simply cut the gate vertically to suit the opening dimension required and rejoin using the gate adjustment kit.
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**

**Upper Hinge assembly**

- Self colour lugs for welding.
- Slotted pin locates onto leg of spring
- Countersunk hole for M8 X 20 countersunk screw (included)
- 14mm hole for slotted pin
- Stainless steel spring
- Galvanised spring housing
- Bearing Washer (Included)
- Apply Grease on both sides (aligning the lower spring tang in its slot)
- Countersunk hole for M8 X 20 countersunk screw (included)

**Lower Hinge assembly**

- Self colour lugs for welding.
- Slotted bolt locates onto leg of spring
- Bearing Washer (Included)
- Apply Grease on both sides
- Hole for cotter pin (included)
- Retaining Washer (Included)

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 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.
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.

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.