

FACT SHEET: ADDRESSING SHEAR AND ENTANGLEMENT RISKS



THE HAZARD

Sliding Gates present a unique safety risks. During movement, the gate travels quickly in front of fixed objects: Guide posts, fencing, access control equipment, mailboxes etc. When this occurs - Objects can be come trapped, entangled and subject to shear.

Shear Injury - Arms, legs or head caught between fixed and moving object

Dragging in - being drawn into the gate guiding system or dragged into a reduced space, causing injury

Entanglement - Items or body parts being caught in the open bars of the gate and the static object.

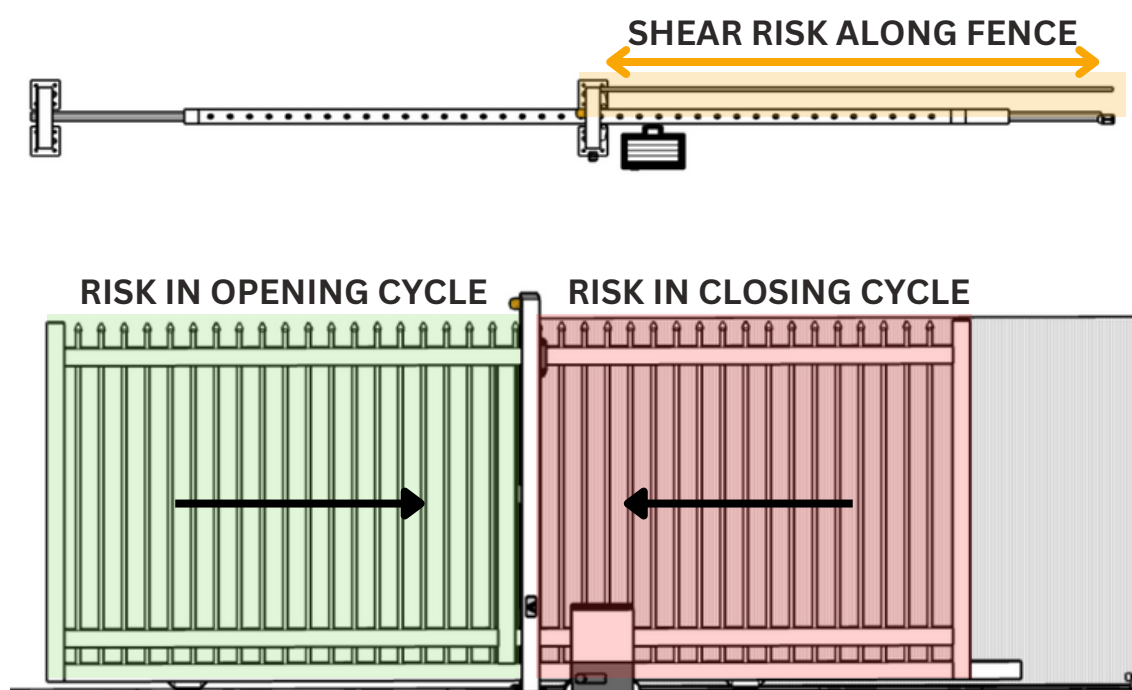
WHEN THE RISK IS AMPLIFIED

The Risk is greater when:

When there is no mesh guarding system or safety devices to prevent access to the moving gate. Either on the gate or the fence.

When gates are installed behind a front boundary fence and within 850mm of the fence.

When there are vulnerable users interacting with the gate. EG: Schools or high traffic areas involving pedestrians.



RISK MITIGATION STEPS

To prevent serious injury or fatalities, sliding gates must designed and installed with appropriate safe guards

Gates installed on front boundaries where the general public can access the gate should have appropriate controls to prevent the risk.

Easy Retrofittable steps that can be taken:

MESH CLADDING - to an opening that prevents limbs and objects getting access to the moving parts. This should be considered for both the gate and the fence line.

SAFETY DEVICES - Such as laser scanners, safety edge strips and photo beams during **opening and closing cycles of the gate.**

SLIDING GATES CAN BE DEADLY IF HAZARDS ARE IGNORED.

By understanding the risks and effectively controlling them, you have the ability to prevent accidents and ensure compliance with relevent standards and practices.