

Equipment Compliance Certification and Inspection Solutions

Comaea Focus on safety: C001 Dropped Object Safety Slings and Safety Nets

What are they?

Safety slings (light weight) and safety nets are **one type** of secondary retention, sometimes referred to as 'safety securing' (*Nets are not mandatory, they are recommended when equipment cannot be secured well with a sling*)

They are a mitigation solution for dropped objects as they stop the equipment (or the majority of the equipment) from falling once the 'Drop' happens (the equipment primary fixing fails)

Important features of the net and the sling should be considered when purchasing / fabricating:

Correct materials should be used

- Galvanized steel with Aluminum ferrules
- Stainless steel with Copper ferrules
- AISI type double locking carabiner
- 7x19 IWRC, rated wire

Chicken wire is not a good alternative for a Sling or Net! Nets and slings are tested and rated to support weight and the shock of a drop

When should they be used?

Safety slings were developed to answer the need for secondary retention on mast / Derrick beam clamps.

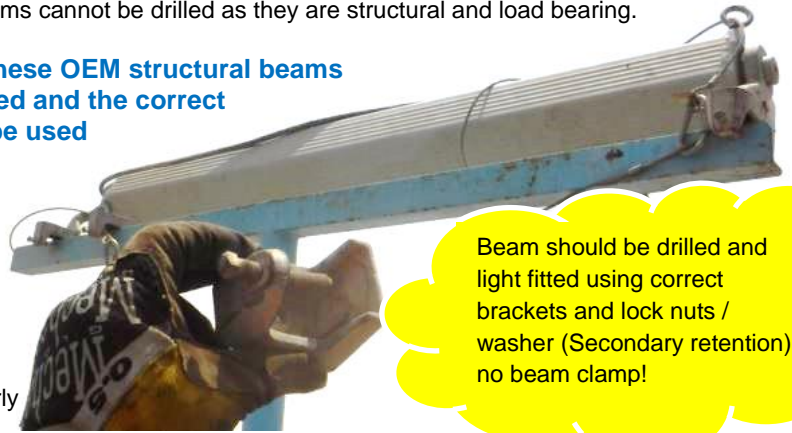
Those heavy little clamps that have no means of secondary retention, in a high vibration area at height, are used because the Mast / Derrick beams or crane booms cannot be drilled as they are structural and load bearing.

These clamps should only be used on these OEM structural beams
Any other area the beam should be drilled and the correct Lock nut / washer combination should be used
Without the need for a sling

Beam clamps are not a mounting point
For Safety slings!

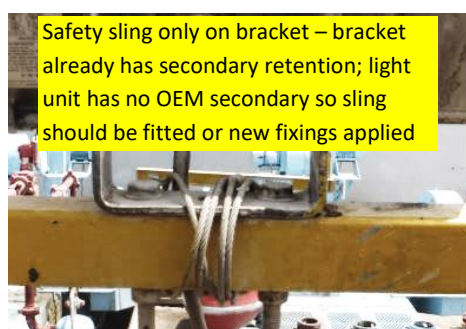
Other applications of safety slings:

- Potential dynamic drops areas
- Areas of High vibration
- Areas that cannot be accessed regularly
- Equipment that moves and is hinged.



How should they be used?

Safety slings should be tightly wrapped / secured to the equipment either through an OEM attachment point or the main body of the equipment AND the supporting bracket if it has no secondary retention (lock nut / washer) and attached to a separate part of the structure – **be mindful of the equipment mount and structure, maybe this is also a potential dropped object?!**



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