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The Lion Hooks and Applicator

Work Description To allow the erection of BS EN1263-1 Type S safety nets to the requirements of BS EN1263-2. Suspended directly from the steel frame as close as possible below the working level. The Lion Hook is designed to make the installation of safety nets quicker and safer in mezzanine floors, decking and further I beam steel applications. It can also be attached using our 2.5m long applicator pole. This means the safety net can be erected from the floor below/ground, thus removing the use of ladders or towers etc. Lion Hook is designed to be used on C and I section steel beams where it physically hooks onto the lower flange of the steelwork. Typically used within metal decking and precast concrete floors.

- Lion Hook device is a pre-formed spring steel unit.
- Lion Hook is attached to the applicator head or can be used by hand.
- Lion Hook is fed into the border rope of the safety net and then attached to the lower flange of the C section or I beam. Once in position the applicator can be released by pulling away from the steel beam.
- At all times the safety nets must be installed in line with the current guidelines of BS EN1263-2 and laid out by **FASET**.



The steel work must be capable of taking a 6Kn load at 45 degree.

- Lion Hook must only be fitted to the outer flange or steel in such a way that the self-weight of the net holds it in position as above picture.
- The safety net must be attached on all sides, unless eaves bagging techniques are employed.
- Lion Hook is not suitable for extreme pitched roofs or extreme curved roofs such as barrel vaults.
- Lion Hook cannot be used on circular sections.
- Lion Hook standard 29mm can be used on a flange thickness 10mm – 25mm, but at NO times to be used on flange thicknesses of less than 10mm thick.

• **DO NOT USE DAMAGED OR PREVIOUSLY LOADED LION HOOKS.**

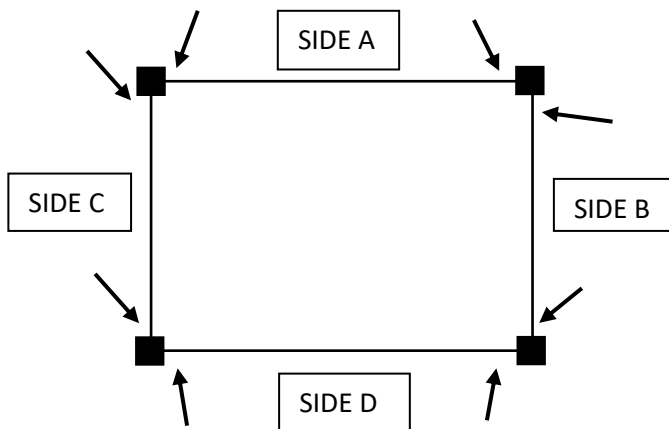
Lion Hook Sizes

1. Standard 29mm for use on steel flanges 10mm to 28mm.
2. Design 40mm Jaw for use on steel flanges 25mm to 38mm
3. Design 50mm Jaw for use on steel flanges 35mm to 48mm
4. Design 60mm Jaw for use on steel flanges 45mm to 58mm



- Apply the safety net 12mm border rope and the net into the hook of the Lion Hook. If you need to tension the net, under-roll the safety net as per FASET guide lines, before placing it into the Lion Hook.
- Starting at the corner 2 (see erection diagram below). Offer the Lion Hook and safety net to the lower out steel flange, in such a way the upper U section of the hook is located on the lower flange. SIDE A, SIDE B, SIDE D, SIDE C Corner 1 Corner 2.
- Repeating the below process, offer another Lion Hook to the adjacent beam on SIDE A, corner (as below erection diagram)
- Repeat the above process alongside B (as above erection diagram) locating the Lion Hook at 1.5m centres.
- The final 2 sides may require gathering to achieve a 5% sag or less preferably. The Lion Hook can accommodate 1m of gathered net. **ALWAYS** ensure the border rope is contained within the Lion Hook.

INSTALLATION INSTRUCTIONS



- **FASET** guidelines on wasting gaps should always be followed.
- Once the first bay is complete, the operation is repeated in the adjacent bay. When working to the shared beam, feed the Lion Hook and net beneath the already rigged net, staggering the Lion Hook's.
- Once the net is fully rigged and before moving to the next net, ensure all Lion Hooks are properly located under a taught net and not loose.

- **Important!** When using the Lion Hook at the perimeter of buildings or above voids and openings, we recommend that you cable tie the Lion Hook to the border rope or use the Lion Hook retaining spring as below (picture)



- Striking the nets can be pushed off using the pole or by hand. Take care to keep the Lion Hooks attached to the border rope and salvage.
- Push the Lion Hook away from the steel flange until it is free. In some cases, you can use the Applicator Head to lock onto the Lion Hook and remove the hook and net safely.
- Repeat this process until all the Lion Hooks and safety net are on the ground.
- Remove all the Lion Hooks from dropped net. This is the ideal time to inspect the hooks and the safety nets for any damage before storing them until their next use.
- Important points: At all times, ensure you position yourself so that you are always pushing away from your body. At all-time ensure no one else is below or adjacent to the nets that are being struck.

