

MITIGATING RISKS OF THE USE OF STEEL STRAPPING

IN THE OPERATION AND TRANSPORTATION OF PIPE BUNDLES WITH A HEXAGONAL SHAPE

ISSUE

Safety is essential when shipping manufactured steel products. However, many manufacturers still use steel strapping to unitize their products despite the fact that it can cause injuries, damage to products and is less reliable than newer, more efficient alternatives. Steel banding is:

- Razor sharp and often causes hand and eye injuries when loading and unloading cargo.
- Not shock absorbent and can snap or stretch as a result of changing weather conditions during transportation.

APPROACH

Cordstrap has extensive experience and expertise working with steel manufacturers and shippers, globally. We work closely with customers to understand their requirements, challenges, and barriers to change. We then recommend solutions and test them to ensure they support the customer's exact needs and will deliver tangible results.

We back this up with training across locations and teams ensuring standardization and consistency of approach and application. This collaborative approach helps to mitigate risk and breaks down barriers to adopting newer, more reliable securing and cargo protection methods.

SOLUTION

Cordstrap Composite Strapping and Cordstrap Buckle delivers a higher breaking strength vs. the steel straps of the same length. Combined with a single tensioner (battery or pneumatic) which ensures consistent tensioning across the load.

- The Cordstrap Composite Strapping is independently tested and certified by DNV/GL.
- Light, flexible, and contains no sharp edges.
- Easy to handle and dispose of.
- It has a high joint efficiency buckle.
- It can absorb impacts and load shifting.



RESULTS

- Consistent securing vs steel banding which can snap or be elongated due to weather conditions.
- Movement and shocks during transit are absorbed.
- Reduction in costs (fewer safety garments required vs steel banding, only 1 tensioning tool required vs. 2 for steel banding, loads can be secured by 1 operator).
- Improved safety across locations.
- Standardization and consistency across locations.
- Tool preventive maintenance plan on-site supporting optimized operations.
- Improved customer relationships due to increased confidence in protection solutions used.

