

YOUR LES®**QUICK GUIDE****TO**

WIRE ROPE SLINGS



WHAT ARE WIRE ROPE SLINGS?

Wire Rope Slings are indispensable tools in the material handling and lifting industries, renowned for their strength, durability, and versatility.

These slings are comprised of multiple wire strands twisted or braided together to form a flexible yet super robust assembly.

They typically feature end fitting such as eyes or hooks used for attaching to equipment or loads and come in various configurations tailored to specific lifting requirements and load rated capacities.

COMPOSITION

Wire Strands: Wire rope slings are constructed from high-strength steel wire strands, typically made from materials like carbon steel, stainless steel, or galvanised steel. These strands are twisted or braided together to form the core structure of the sling, providing strength and load bearing capability.

Core: Some wire rope slings feature a core, which provides additional support and stability. Cores can be composed of fibre – natural or synthetic – wire, or a combination of both. Fibre cores offer flexibility and shock absorption, while steel cores provide enhanced strength and resistance to crushing.

End Fittings: End fittings are typically soft eyes or thimble eyes at either end, with a masterlink or sub-assembly should you opt for multiple leg configurations.

CONFIGURATIONS

Wire Rope Slings are available in various configurations from single-leg to quad (4) leg models in diameters up to 32mm. Certain models can reach safe working capacities of up to 10.7 Tonnes.

Single-Leg: Offering capacities up to 10 Tonnes in 5mm to 28mm diameters.

Two-Leg: Up to 10.3 Tonne capacity in 5mm to 24mm diameters.

Three-Leg: Safe working loads up to 10.7 Tonnes in 5mm to 20mm diameters.

Four-Leg: Working load limits up to 10.7 Tonnes in 5mm to 20mm diameters.

All of our wire rope slings are proudly manufactured in the UK and can be customised online to your requirements.

ADVANTAGES OF WIRE ROPE SLINGS

Strength & Durability: Wire rope slings are renowned for their high-strength-to-weight ratio and exceptional durability. These features make them highly suitable for lifting heavy loads in a variety of challenging environments.

Flexibility: Wire rope slings offer flexibility and manoeuvrability, allowing for easy attachment to loads and adaptation to various rigging configurations.

Resistance to Abrasion & Corrosion: Steel wire ropes are resistant to abrasion, corrosion, and degradation from environmental factors, ensuring long-term reliability and performance.

Configurations: As outlined above, wire rope slings come in a wide range of configurations, meaning that there is more than likely the perfect solution to your lifting challenge.

DISADVANTAGES OF WIRE ROPE SLINGS

Susceptibility to Fatigue: Wire ropes can experience fatigue over time, especially when subjected to repeated bending and flexing, leading to reduced strength and potential failure.

Maintenance Requirements: Regular inspection and maintenance is essential to ensure the integrity and safety of wire rope slings. Proper storage, handling, and lubrication are necessary to prevent corrosion and extended service life.

Potential for Kinking & Birdcaging: Improper handling or usage can result in kinking or birdcaging of your wire rope slings, compromising their strength and structural integrity.

Cost: Wire rope slings pose a more expensive initial outlay than synthetic slings, although they offer superior strength and durability in demanding lifting applications.

As a whole, wire rope slings are versatile and reliable thanks to their unrivalled strength, durability, and flexibility. But these elements are only achieved through proper maintenance and storage. We advise that, as with all lifting equipment, regular checks are done to preserve the lifecycle of your wire rope slings.

APPLICATIONS & INDUSTRIES

Construction Sites: Wire rope slings are extensively used in construction projects for lifting and positioning heavy material such as steel beams, concrete panels, and prefabricated structures. Their strength and durability make them suitable for demanding rigging applications on construction sites.

Manufacturing Facilities: In manufacturing environments, wire rope slings facilitate the movement of heavy machinery, equipment, and components during production processes. They are deployed in industries such as automotive, aerospace, and heavy manufacturing machinery.

Marine & Offshore: Wire rope slings play a vital role in maritime settings, where they are heavily utilised for rigging and lifting tasks aboard ships, offshore platforms, and docks. They withstand exposure to saltwater and harsh environmental conditions, making them essential for mooring, towing, and cargo handling.

Mining & Quarrying: In mining and quarrying operations, wire rope slings are used for lifting and transporting materials, machinery and equipment in rugged and demanding environments. They offer reliability and strength in applications where heavy loads and abrasive conditions are prevalent.

OUR MOST POPULAR WIRE ROPE SLINGS



1 LEG WIRE ROPE SLINGS

From £15.83

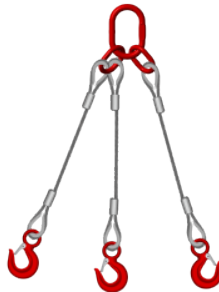
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2 LEG WIRE ROPE SLINGS

From £36.67

[READ MORE](#)



3 LEG WIRE ROPE SLINGS

From £66.67

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4 LEG WIRE ROPE SLINGS

From £82.50

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PLEASE NOTE: Prices are subject to change since the time of guide creation