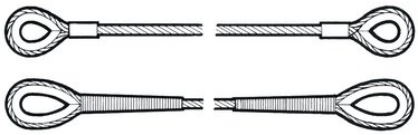
Lifting Solutions Group
Axel Johnson International

Wire Rope Sling - Load Chart- Quic-Sling

Product information



The working load limits of slings made from general engineering ropes to BS EN 12385-4 should conform to BS EN 13414-1: 2003. Note that the working load limits shown are based on the assumption that soft-eyes of single-part slings are used over bearing points of not less than twice the normal diameter of the rope. All sling ropes must be ordinary lay.

The Safe Working Load will normally be equal to the Working Load Limit but in some circumstances it may be less e.g. If the sling is used in choke hitch SWL=WLL x 0.8 .

BS EN 13414-1 covers only those sling assemblies that have legs of equal nominal length, diameter, construction and tensile grade. While sling assemblies with legs of unequal length may be made up generally in accordance with the requirements of BS EN 13414-1, it must be stressed that their rating requires special consideration by a competent person.

Caution

In all cases, where hooks or shackles are used, the WLL of the hooks and shackles shall not be less than that of the leg to which they are attached.

Safety Recommendations

When using multi=leg sling assemblies remember that increasing the angles between the legs will increase the load in each leg. Examine all slings before use and discard any that are defective. Slings which are found to be unfit for use should be destroyed by cutting them up - not put on a refuse dump. "Hooking back" to the leg is not recommended. The Working Load Limit of slings is effected by the method of usage. Check that the crane hook is positioned over the loads centre of gravity to prevent swinging when the load is being raised. Correct signals, according to the recognised code, should be given to the crane driver. The signals must be given by the person responsible for the lift and nobody else.

... Read more

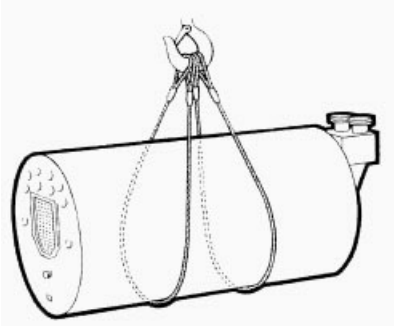
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Typical Sling Arrangements

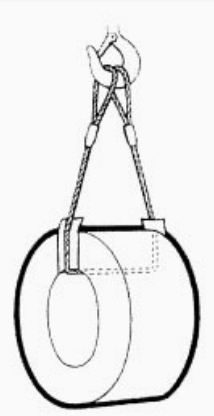
Cradle Sling

Lifting coils, steel strip, etc. Basket Hitch
SWL = 1.4 x WLL of sling Protect Rope from sharp corners.



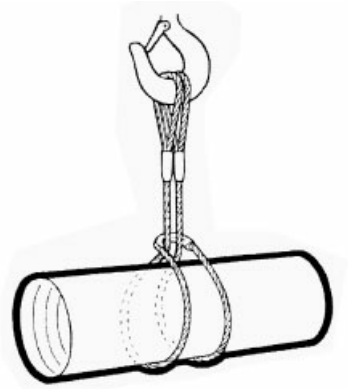
Cradle Slings

Lifting boilers and packaging cases, etc. Double Basket Hitch SWL = 2.1 x WLL of single sling.



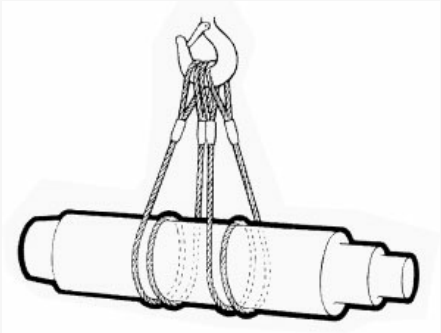
Halshing Slings

Method using a single sling in place of an endless sling where a ‘bight’ is required. A stirrup fitted temporarily in the bight will minimise damage to the sling. Double and Choked.
SWL = 1.6 x WLL of sling.



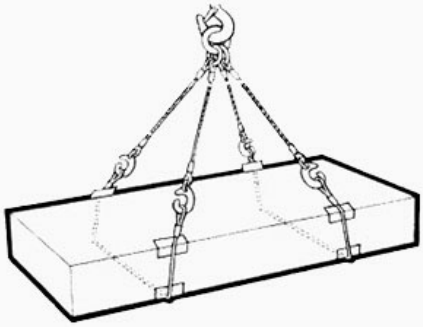
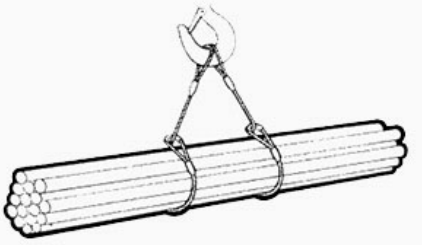
Double Wrap Slings

Note how the double wrap grips the load and helps to prevent it from slipping sideways out of the slings.
Double Wrap Basket Hitch
SWL = 2.1 x WLL of single sling



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Wire Rope Sling - Load Chart- Quic-Sling

Combination Slings Timber steel sheets and packing cases, etc. N.B. Maximum angle from vertical is 45º		
Reeving Slings Lifting tubes, bars and rods, etc. Double Choke Hitch SWL = 1.1 x WLL of single sling		

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