



Instructions for the safe use & care of webbing & round slings.

Using Webbing Slings & Round Slings

Examine the slings prior to use and ensure that their identification and specification are correct.

Never use a sling which is defective or unidentified.

Never overload a sling. Use the correct mode factor. Always follow good sling practice; plan the slinging, lifting and lowering operations before starting. Slings must never be knotted or twisted. Ensure that slings are placed on the load such that the loading is uniform across their width.

Always ensure the stitching is placed in the standing part of the sling, away from the load, hooks or other lifting devices.

Slings must be protected from all sharp edges, friction and abrasion.

Extra attention must be given to load stability when slings are used in a basket hitch.

Where more than one sling is used to lift a load, these slings should be identical and should be selected such that the sling forming each leg is not overloaded and the load remains balanced and stable.



Straight Lift

Single leg to load in straight lift. The full rated lifting capacity can be used, but not exceeded. $M = 1$

Load should not be allowed to rotate since this can damage the sling.



Choked Lift

Using the sling as a choker reduces its rated capacity. $M = 0.8$

Therefore the capacity is the full rated lifting capacity multiplied by 0.8

Basket Hitch



A basket hitch equally distributes the load between the two legs of a sling. Parallel $M = 2$

Consideration must be given to the angles created in basket hitches since they reduce the rated capacity.



As the angle between the legs of the sling increase, the load each leg has to lift increases.

Angle = 0 to 45 deg therefore $M = 1.4$ Angle = 45 to 60 deg therefore $M = 1$



Two Leg Sling

Angle = 0 to 45 deg therefore $M = 1.4$ Angle = 45 to 60 deg therefore $M = 1$



Three and Four Leg Sling

Angle = 0 to 45 deg therefore $M = 2.1$ Angle = 45 to 60 deg therefore $M = 1.5$

M = Mode factor for symmetrical loading.