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Length & Measurement

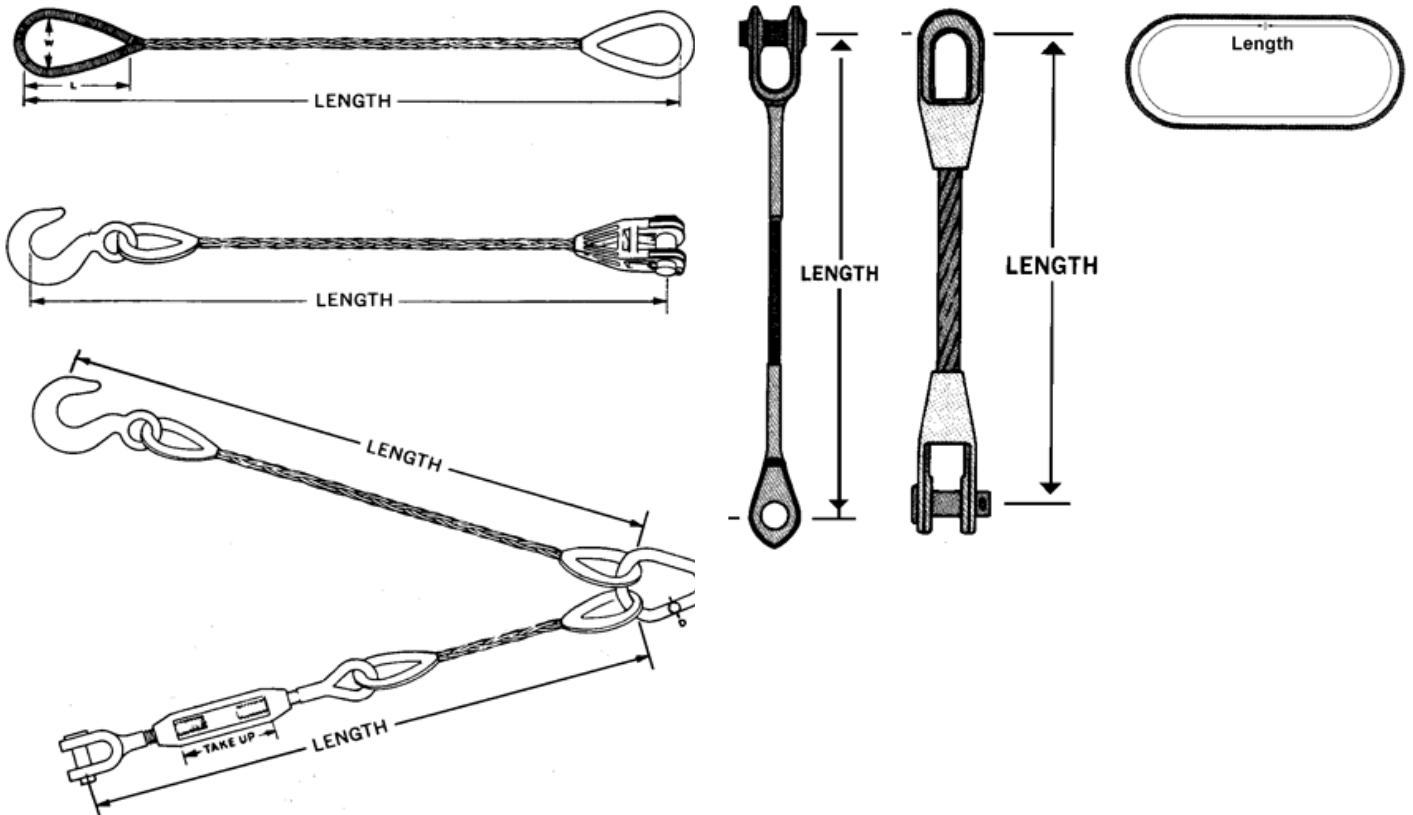
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Length & Measurement - How to Measure Slings

Slings are measured in very specific ways. To assure that the correct sling is supplied, the lengths provided need to follow these guidelines. Most lifting slings are measured from bearing point of one eye to the bearing point of the other eye (B to B). Socket terminations are measured from center pin dimension when applicable. Grommets are measured by circumference, not diameter. Bridles utilize the B to B of the legs, not the link. The following illustrations show how to specify the lengths of different types of slings. You can also find this information in the product sections of the catalog.

If slings with more than one leg are desired, a sketch should be submitted giving bearing to bearing dimensions and capacities desired.



Length & Measurement - Length Tolerances

All Eye and Eye Flemished Assemblies (Hand Tuck and Mechanical) (Measured bearing to bearing)

1. Tolerance = +/- (2) body diameters or +/- 0.5% of sling length, whichever is greater.
2. Legs of bridle slings or matched sets
Tolerance = +/- (1) Body diameter of specified length

Braided Multi-Part Slings (Measured bearing to bearing)

1. Tolerance = +/- (10) component rope diameters or +/- 1.5% of sling length, whichever is greater.
2. Legs of bridle slings or matched sets
Tolerance = +/- (5) component rope diameter of specified length

Component rope greater than 7/16"

1. Tolerance = +/- (6) component rope diameters or +/- 1.0% of sling length, whichever is greater.
2. Legs of bridle slings or matched sets
Tolerance = +/- (3) component rope diameter of specified length

Spelter Socket Assemblies

Wire Rope/Strand (Prestretched and measured under load.)

1. Tolerance = +/- 1/2" per 100' of measured length
2. Legs of bridle slings or matched sets
Tolerance = +/- 1/2" per 100' of measured length

Swaged Assemblies

All swaged assemblies will have a length tolerance of +/- (1) component rope diameter or +/- 0.5%, whichever is greater.

Grommets

Tolerance = +/- (6) body diameters or +/- 1% of the circumferential length, whichever is greater.

Fittings

After-swage fittings diameters and after-press flemished sleeve diameters refer to WRCA Fabricated Products Engineering or vendor specifications.