

WIRE ROPE SLING REMOVAL CRITERIA

Wire Rope Slings (ASME B30.9) - A wire rope sling shall be removed from service if conditions such as the following are present:

1. Missing or illegible sling identification.
2. Broken Wires:
 - For strand-laid and single-part slings, ten randomly distributed broken wires in one rope lay, or five broken wires in one stand in one rope lay.
 - For cable-laid slings, 20 broken wires per lay.
 - For six-part braided slings, 20 broken wires per braid
 - For eight-part braided slings, 40 broken wires per braid.
3. Severe localized abrasion or scraping.
4. Kinking, crushing, bird caging, or any other damage resulting in damage to the rope structure.
5. Evidence of heat damage.
6. End attachments that are cracked, deformed, or worn to the extent that the strength of the sling is substantially affected.
7. Severe corrosion of the rope, end attachments, or fittings.
8. For hooks, removal criteria at stated in ASME B30.10.
9. Other conditions, including visible damage, that cause doubt as to the continued use of the sling.

Abrasion or Scraping



Kinking or Crushing



Stretched Master Link



Bent, Twisted or Deformed Hardware



WIRE ROPE SLINGS

Wire rope slings are rugged and reliable with Flemish eye splice and carbon steel sleeves that offer safety for your lift application. Thimbles greatly improve sling longevity by protecting the rope at connection points. All wire rope slings meet or exceed ASME B30.9 and OSHA standards.

Wire Rope Sling Part Number Breakdown

W1/4 **619** **EE** x **12**

ROPE DIAMETER
W1/4, W5/16, W3/8, W1/2
W5/8, W3/4, W7/8, W1

TYPE OF SLING
EE, TT, EH, TH
SOS, DOS, TOS, DOS

ROPE CONSTRUCTION
619=6x19 IWRC
637=6x37 IWRC

LENGTH
Any length desired
for the application.



NOTE: Include a D at end of number for domestic rope.



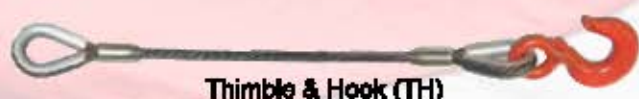
Eye & Eye (EE)



Thimble & Thimble (TT)



Eye & Hook (EH)



Thimble & Hook (TH)

Single Leg Wire Rope Sling Capacity Chart

Wire Rope Class	Rope Dia. (In.)	Eye Size (In.)	Min. Sling Length (ft.)	EIPS IWRC Rated Capacity (tons)			
				Vertical	Choker	V. Basket	Hook (tons)
6x19 EIPS IWRC	1/4	2 x 4	1'-6"	0.65	0.48	1.3	1
	5/16	2-1/2 x 5	2'-0"	1	0.75	2	1
	3/8	3 x 6	2'-0"	1.4	1.1	2.9	2
	1/2	4 x 8	2'-6"	2.5	1.9	5.1	3
	5/8	5 x 10	3'-0"	3.9	2.9	7.8	4.5
	3/4	6 x 12	3'-6"	5.6	4.1	11	7
	7/8	7 x 14	4'-0"	7.6	5.6	15	7.5
	1	8 x 16	4'-6"	9.8	7.2	20	10