

## PERMALOC™ WIRE ROPE SLINGS

Lift-All Permaloc slings are made using the Flemish Eye splice technique to form the eyes. Unlike the simple return loop method that places 100% of its strength on the swaged sleeve, *Permaloc* slings have reserve strength should the sleeve become damaged in use.

### Features and Benefits

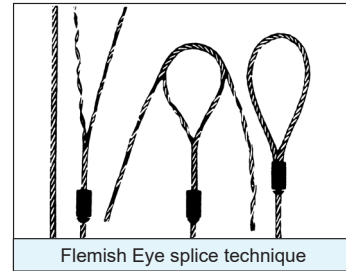
Maintains all the basic *Lift-All* wire rope sling features plus...

#### Promotes Safety

- Reserve strength: Integrity of eyes not solely dependent upon steel sleeves.
- IWRC resists crushing better than FC ropes.

#### Saves Money

- When specified, thimble eyes protect wire rope from wear for increased life.
- Good abrasion resistance for longer life.



### IWRC (Independent Wire Rope Core)

Fiber core available at reduced capacities

Wire Rope Class	Rope Dia. (in.)	EIPS IWRC			1 <sup>1</sup> Min. Sling Length	Standard Eye Size W X L (in.)	Thimbled Eye Size W X L (in.)	Eye Hook Cap. (tons)	Crescent Thimble Eye Size W X L (in.)	Slip Thru Thimble Eye Size W X L (in.)	Sliding Choker Hook ** (in.)
		Rated Capacity* (tons)									
		Vertical	Choker	Vertical Basket							
6X19 EIPS IWRC	1/4	.65	.48	1.3	1'-6"	2 X 4	0.88 X 1.63	1	2 X 4	2.13 X 4.13	3/8
	5/16	1.0	.74	2.0	1'-9"	2.5 X 5	1.06 X 1.88	1	2 X 4	2.50 X 4.13	3/8
	3/8	1.4	1.1	2.9	2'-0"	3 X 6	1.13 X 2.13	1.5	2 X 4	2.50 X 4.13	3/8
	7/16	1.9	1.4	3.9	2'-3"	3.5 X 7	1.25 X 2.25	2	2 X 5	2.38 X 4.38	1/2
	1/2	2.5	1.9	5.1	2'-6"	4 X 8	1.5 X 2.75	3	2.25 X 6	2.38 X 4.38	1/2**
	9/16	3.2	2.4	6.4	2'-9"	4.5 X 9	1.5 X 2.75	4.5	2.25 X 7	2.38 X 4.38	5/8
	5/8	3.9	2.9	7.8	3'-0"	5 X 10	1.75 X 3.25	4.5	2.75 X 7	3.38 X 6.63	5/8**
	3/4	5.6	4.1	11	3'-6"	6 X 12	2 X 3.75	7	3.25 X 8.5	3.38 X 6.63	3/4**
	7/8	7.6	5.6	15	4'-0"	7 X 14	2.25 X 4.25	11	4.5 X 10	3.75 X 7.13	7/8
	1	9.8	7.2	20	4'-6"	8 X 16	2 X 4.5	11	4.5 X 11.5	3.75 X 7.13	1
6X37 EIPS IWRC	1-1/8	12	9.1	24	5'-0"	9 X 18	2.88 X 5.13	15	4.88 X 13	4.38 X 8.38	1-1/8
	1-1/4	15	11	30	5'-6"	10 X 20	3.5 X 6.5	15	5.5 X 14.5	4.38 X 8.38	1-1/4
	1-3/8	18	13	36	6'-0"	11 X 22	3.5 X 6.25	22	6 X 16	5 X 9.5	1-3/8
	1-1/2	21	16	42	7'-0"	12 X 24	3.5 X 6.25	22	6 X 17.5	5 X 9.5	1-1/2**
	1-3/4	28	21	57	8'-0"	14 X 28	4.5 X 9	30	7 X 20	6.75 X 11.75	-
	2	37	28	73	9'-0"	16 X 32	6 X 12	37	7 X 23.5	8 X 14.5	-
	2-1/4	44	35	89	10'-0"	18 X 36	7 X 14	45	8.5 X 26	8 X 15.5	-
2-1/2	54	42	109	11'-0"	20 X 40	-	-	8.5 X 29.5	-	-	

<sup>1</sup> Minimum sling length when using standard eyes. \*\* See sliding choker hook capacities in Hardware section when using these hooks.

**Note:** Larger diameter slings available. Basket ratings are based on a minimum D/d of 25.

**Length Tolerances (Single Part Wire Rope Slings):** Standard length tolerance is plus or minus two rope diameters, **OR** plus or minus 0.5% of the sling length, whichever is greater.

#### \* **WARNING**

Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.