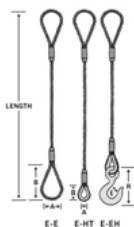


## PRODUCT CATALOG

### Mechanical-Splice Wire Rope Sling







- ▶ Higher rated capacity than hand-spliced sling
- ▶ Produced to ISO 9001:2000 certification practices
- ▶ Customized to your specifications



Engineering wire rope slings for your application is a highly specialized field – with exacting standards – that we gladly live by. A Union sling can meet or exceed the most exacting specifications. We apply thorough design and production controls – including an extensive ISO-controlled process. And our traceability process tracks every component through completion of the assembly and into the field.

A mechanical-spliced wire rope sling is constructed when eyes are formed using the Flemish eye splice. Ends are then secured by pressing a metal sleeve over the ends of the strands of the splice. Pull is directly along the centerline of rope and eye. This splicing method gives the most efficient use of rope capacity and proves to be economical.

## 115 IWRC

Rope Dia. (In.)	RATED CAPACITY - Tons*						E-E Eye Dimensions		E-HT Thimble		E-EH Hook		
	 Vert.	 Choker Hitch ***	Basket Hitch										
				 60°	 45°	 30°	A	B	A	B	WLL** Tons	E	R
6 x 19 XIP®													
1/4	0.65	0.48	1.3	1.1	0.91	0.65	2	4	0.88	1.63	3/4	0.89	3.34
5/16	1	0.74	2	1.7	1.4	1	2.5	5	1.06	1.88	1	0.91	3.81
3/8	1.4	1.1	2.9	2.5	2	1.4	3	6	1.13	2.13	1 1/2	1	4.14
7/16	1.9	1.4	3.9	3.4	2.7	1.9	3.5	7	1.25	2.38	2	1.09	4.69
1/2	2.5	1.9	5.1	4.4	3.6	2.5	4	8	1.5	2.75	3	1.36	5.77
9/16	3.2	2.4	6.4	5.5	4.5	3.2	4.5	9	1.5	2.75	5	1.61	7.37
5/8	3.9	2.9	7.8	6.8	5.5	3.9	5	10	1.75	3.25	5	1.61	7.37
3/4	5.6	4.1	11	9.7	7.9	5.6	6	12	2	3.75	7 1/2	2.08	9.07
7/8	7.6	5.6	15	13	11	7.6	7	14	2.25	4.25	10	2.27	10.08
1	9.8	7.2	20	17	14	9.8	8	16	2.5	4.5	10	2.27	10.08
1 1/8	12	9.1	24	21	17	12	9	18	2.88	5.13	15	3.02	12.53
6 x 36 XIP®													

1 1/4	15	11	30	26	21	15	10	20	2.88	5.13	15	3.02	12.53
1 3/8	18	13	36	31	25	18	11	22	3.5	6.25	AH-22	3.02	12.53
1 1/2	21	16	42	37	30	21	12	24	3.5	6.25	AH-22	3.02	12.53
1 5/8	24	18	49	42	35	24	13	26	4	8	AH-30	3.25	14.06
1 3/4	28	21	57	49	40	28	14	28	4.5	9	AH-37	3	18.19
2	37	28	73	63	52	37	16	32	6	12	AH-45	3.38	20.12
2 1/4	44	35	89	77	63	44	18	36	7	14	AH-60	4.12	23.72
2 1/2	54	42	109	94	77	54	20	40					
2 3/4	65	51	130	113	92	65	22	44					
3	77	60	153	133	108	77	24	48					
3 1/2	102	79	203	176	144	102	28	56					
4	130	101	260	224	183	130	32	64					

All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

\* Rated Capacities Basket Hitch based on D/d Ratio of 25.

Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.




Rated Capacities based on design factor of 5.

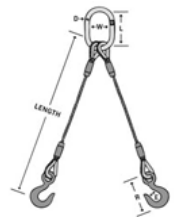
Horizontal sling angles of less than 30° shall not be used.

\*\* Working Load Limit, based on standard carbon fittings unless noted otherwise.

\*\*\* [Click here to see Choker Hitch Rated Capacity Adjustment.](#)

#### 125-HT-EH IWRC

Rated Capacity - Tons *				Alloy Oblong Link			Hook		
				D	L	W	WLL** Tons	E	R
<b>6 x 19 XIP</b>									
1/4	1.1	0.91	0.65	0.5	5	2.5	3/4	0.89	3.34
5/16	1.7	1.4	1	0.5	5	2.5	1	0.91	3.81
3/8	2.5	2	1.4	0.5	5	2.5	1 1/2	1	4.14
7/16	3.4	2.7	1.9	0.75	5.5	2.75	2	1.09	4.69
1/2	4.4	3.6	2.5	0.75	5.5	2.75	3	1.36	5.77
9/16	5.5	4.5	3.2	1	7	3.5	5	1.61	7.37
5/8	6.8	5.5	3.9	1	7	3.5	5	1.61	7.37
3/4	9.7	7.9	5.6	1	7	3.5	7 1/2	2.08	9.07
7/8	13	11	7.6	1.25	8.75	4.38	10	2.27	10.08
1	17	14	9.8	1.5	10.5	5.25	10	2.27	10.08
1 1/8	21	17	12	1.5	10.5	5.25	15	3.02	12.53
<b>6 x 36 XIP</b>									
1 1/4	26	21	15	1.75	12	6	15	3.02	12.53
1 3/8	31	25	18	1.75	12	6	AH-22	3.02	12.53
1 1/2	37	30	21	2	14	7	AH-22	3.02	12.53
1 5/8	42	35	24	2	14	7	AH-30	3.25	14.06
1 3/4	49	40	28	2.25	16	8	AH-37	3	18.19
2	63	52	37	2.5	16	8	AH-45	3.38	20.12



All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

\* Rated Capacities Basket Hitch based on D/d Ratio of 25.




Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.

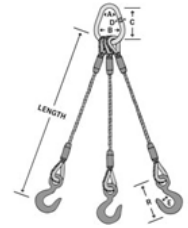
Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.

\*\* Working Load Limit, based on standard carbon fittings unless noted otherwise.

#### 135-HT-EH IWRC

Rated Capacity - Tons *				Alloy Pear Link				Hook		
	 60°	 45°	 30°	A	B	C	D	WLL** Tons	E	R
<b>6 x 19 XIP</b>										
1/4	1.7	1.37	0.97	1.5	3	4.5	3/4	3/4	0.89	3.34
5/16	2.6	2.1	1.5	1.5	3	4.5	3/4	1	0.91	3.81
3/8	3.7	3	2.2	1.75	3.5	5.25	7/8	1 1/2	1	4.14
7/16	5	4.1	2.9	2	4	6	1	2	1.09	4.69
1/2	6.6	5.4	3.8	2	4	6	1	3	1.36	5.77
9/16	8.3	6.8	4.8	2.25	4.5	6.5	1 1/8	5	1.61	7.37
5/8	10.2	8.3	5.9	2.5	5	7.5	1 1/4	5	1.61	7.37
3/4	14.5	11.8	8.4	3.25	6.5	9.75	1 5/8	7 1/2	2.08	9.07
7/8	20	16	11.3	3.5	7	10.5	1 3/4	10	2.27	10.08
1	26	21	14.7	3.5	7	10.5	1 3/4	10	2.27	10.08
1 1/8	31	26	18	4	8	12	2	15	3.02	12.53
<b>6 x 36 XIP</b>										
1 1/4	38	31	22	4.5	9	13.5	2 1/4	15	3.02	12.53
1 3/8	46	38	27	5	10	15	2 1/2	AH-22	3.02	12.53
1 1/2	55	45	32	5	10	15	2 1/2	AH-22	3.02	12.53
1 5/8	63	52	37	5.5	11	16.5	2 3/4	AH-30	3.25	14.06
1 3/4	74	60	42	5.5	11	16.5	2 3/4	AH-37	3	18.19



All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

\* Rated Capacities Basket Hitch based on D/d Ratio of 25.




Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.

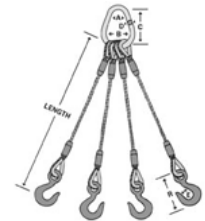
Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.

\*\* Working Load Limit, based on standard carbon fittings unless noted otherwise.

#### 145-HT-EH IWRC

Rated Capacity - Tons *				Alloy Pear Link				Hook		
	 60°	 45°	 30°	A	B	C	D	WLL** Tons	E	R
<b>6 x 19 XIP</b>										
1/4	2.2	1.83	1.29	1.5	3	4.5	3/4	3/4	0.89	3.34
5/16	3.5	2.8	2	1.5	3	4.5	3/4	1	0.91	3.81
3/8	5	4.1	2.9	1.75	3.5	5.25	7/8	1 1/2	1	4.14
7/16	6.7	5.5	3.9	2	4	6	1	2	1.09	4.69
1/2	8.8	7.1	5.1	2.5	5	7.5	1 1/4	3	1.36	5.77
9/16	11	9	6.4	2.75	5.5	8.25	1 3/8	5	1.61	7.37
5/8	14	11	7.8	3	6	9	1 1/2	5	1.61	7.37
3/4	19	16	11	3.5	7	10.5	1 3/4	7 1/2	2.08	9.07
7/8	26	21	15	3.5	7	10.5	1 3/4	10	2.27	10.08
1	34	28	20	4	8	12	2	10	2.27	10.08
1 1/8	42	34	24	4.5	9	13.5	2 1/4	15	3.02	12.53
<b>6 x 36 XIP</b>										
1 1/4	51	42	30	5	10	15	2 1/2	15	3.02	12.53
1 3/8	62	50	36	6	12	18	3	AH-22	3.02	12.53
1 1/2	73	60	42	6	12	18	3	AH-22	3.02	12.53



All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

\* Rated Capacities Basket Hitch based on D/d Ratio of 25.

Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.

Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.

\*\* Working Load Limit, based on standard carbon fittings unless noted otherwise.

\*\*\* [Click here to see Choker Hitch Rated Capacity Adjustment.](#)

Union, a WireCo WorldGroup brand, produces wire rope for a variety of applications – each with their own exacting specifications. We employ the most experienced, talented, licensed engineers in the industry to design solutions for your application. Eight WireCo WorldGroup manufacturing operations and seven distribution centers in North America, plus manufacturing facilities in Mexico, Germany and China, give our customers unparalleled support and global reach. Find out for yourself why Union wire ropes have proven themselves time and time again in the field. **Union: Tested, Tough & True.**