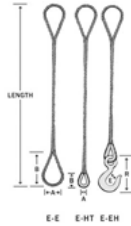


PRODUCT CATALOG

Hand-Spliced

- ▶ Tapered, concealed splice and burnt end splice available
- ▶ 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 hand-spliced wire rope sling is constructed when the end of a single wire rope is bent back along the rope to form the eye. These strands are then hand tucked into the body of the rope in what is called a tapered and concealed splice. This splice makes a sling that is easily pulled through narrow spaces and there are no rough ends to snag hands. Slings with rope bodies larger than 1 ½" diameter are made only with Burnt End splices in which ends of the strands are left exposed and cut off with a torch. These may also be cut shorter and served for smoothness. Both types of hand splices have the same rated capacity.

110 FC & IWRC

		RATED CAPACITY - Tons*					E-E Eye Dimensions		E-HT Thimble		E-EH Hook		
		Basket Hitch					A	B	A	B	WLL** Tons	E	R
Rope Dia. (In.)	Vert. Hitch	Choker Hitch ***	U	60°	45°	30°							
6 x 19 XIP													
1/4	0.54	0.42	1.1	0.94	0.77	0.54	2	4	0.88	1.63	3/4	0.89	3.34
5/16	0.83	0.66	1.7	1.4	1.2	0.83	2.5	5	1.06	1.88	1	0.91	3.81
3/8	1.2	0.94	2.4	2	1.7	1.2	3	6	1.13	2.13	1 1/2	1	4.14
7/16	1.6	1.3	3.2	2.7	2.2	1.6	3.5	7	1.25	2.38	2	1.09	4.69
1/2	2	1.6	4	3.5	2.9	2	4	8	1.5	2.75	2	1.09	4.69
9/16	2.5	2.1	5	4.4	3.6	2.5	4.5	9	1.5	2.75	3	1.36	5.77
5/8	3.1	2.6	6.2	5.3	4.4	3.1	5	10	1.75	3.25	5	1.61	7.37
3/4	4.3	3.7	8.6	7.4	6.1	4.3	6	12	2	3.75	5	1.61	7.37
7/8	5.7	5	11	9.8	8	5.7	7	14	2.25	4.25	7 1/2	2.08	9.07
1	7.4	6.4	15	13	10	7.4	8	16	2.5	4.5	7.5	2.08	9.07
1 1/8	9.3	8.1	19	16	13	9.3	9	18	2.88	5.13	10	2.27	10.08
6 x 36 XIP													
1 1/4	11	9.9	23	20	16	11	10	20	2.88	5.13	15	3.02	12.53
1 3/8	14	12	27	24	19	14	11	22	3.5	6.25	15	3.02	12.53
1 1/2	16	14	32	28	23	16	12	24	3.5	6.25	15	3.02	12.53
1 5/8	19	16	38	33	27	19	13	26	4	8	AH-22	3.02	12.53

1 3/4	22	19	44	38	31	22	14	28	4.5	9	AH-30	3.25	14.06
2	28	25	56	49	40	28	16	32	6	12	AH-37	3	18.19
2 1/4	35	31	70	61	50	35	18	36	7	14	AH-45	3.38	20.12
2 1/2	43	38	86	74	61	43	20	40			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 15.

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.**