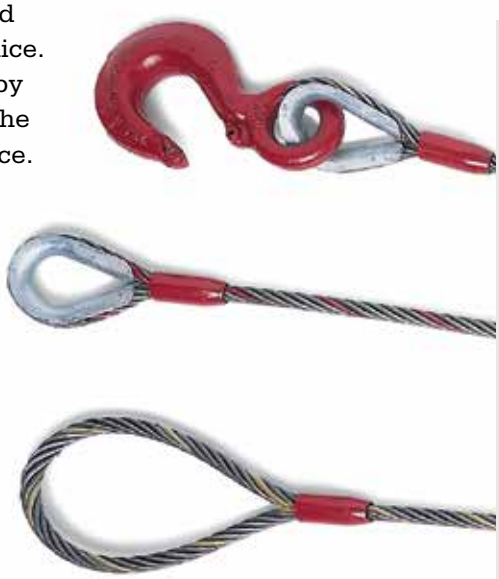
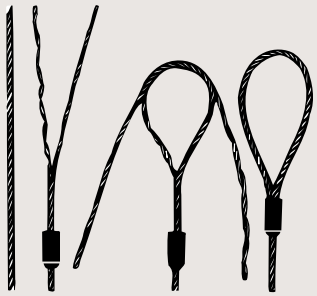
Single part body, mechanically-spliced wire rope slings

Eyes are typically formed using a flemish eye splice. The ends are secured by pressing a metal sleeve over the ends of the strands of the splice. Pull follows a direct line along the center of the rope and eye. Single part body mechanical splice slings have a higher rated capacity than hand-spliced slings.



FLEMISH EYE SPLICE



In the standard flemish eye mechanical splice, wire rope is separated into two parts: three adjacent strands to one part and three adjacent strands along with the core to the other part. The two parts are then re-laid back in opposite directions to form an eye and ends are secured with a pressed metal sleeve.

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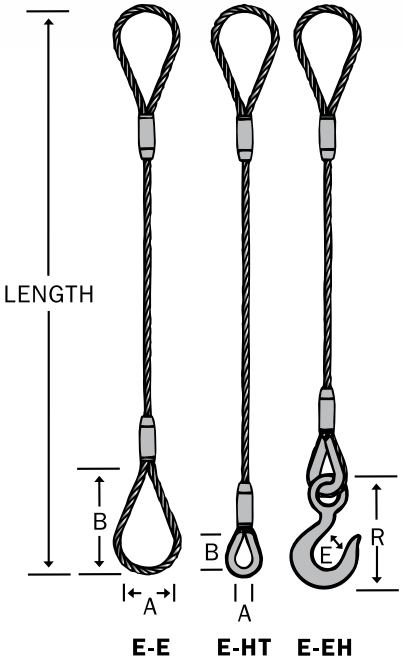
	Rope Dia. (in.)	RATED CAPACITY – Tons* Vert.	Choker Hitch ***	Basket Hitch	60°	45°	30°	E-E Eye Dimensions A	E-E Eye Dimensions B	E-HT Thimble A	E-HT Thimble B	E-EH Hook WLL** Tons	E-EH Hook E	E-EH Hook R
6 X 19 XIP®	1/4	0.65	0.48	1.3	1.1	0.91	0.65	2.0	4	0.88	1.63	3/4	0.89	3.34
	5/16	1.0	0.74	2.0	1.7	1.4	1.0	2.5	5	1.06	1.88	1	0.91	3.81
	3/8	1.4	1.1	2.9	2.5	2.0	1.4	3.0	6	1.13	2.13	1-1/2	1.00	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	4.0	8	1.50	2.75	3	1.36	5.77
	9/16	3.2	2.4	6.4	5.5	4.5	3.2	4.5	9	1.50	2.75	5	1.61	7.37
	5/8	3.9	2.9	7.8	6.8	5.5	3.9	5.0	10	1.75	3.25	5	1.61	7.37
	3/4	5.6	4.1	11	9.7	7.9	5.6	6.0	12	2.00	3.75	7-1/2	2.08	9.07
	7/8	7.6	5.6	15	13	11	7.6	7.0	14	2.25	4.25	10	2.27	10.08
	1	9.8	7.2	20	17	14	9.8	8.0	16	2.50	4.50	10	2.27	10.08
	1-1/8	12	9.1	24	21	17	12	9.0	18	2.88	5.13	15	3.02	12.53
6 X 36 XIP®	1-1/4	15	11	30	26	21	15	10.0	20	2.88	5.13	15	3.02	12.53
	1-3/8	18	13	36	31	25	18	11	22	3.50	6.25	AH-22	3.02	12.53
	1-1/2	21	16	42	37	30	21	12	24	3.50	6.25	AH-22	3.02	12.53
	1-5/8	24	18	49	42	35	24	13	26	4.00	8.00	AH-30	3.25	14.06
	1-3/4	28	21	57	49	40	28	14	28	4.50	9.00	AH-37	3.00	18.19
	2	37	28	73	63	52	37	16	32	6.00	12.00	AH-45	3.38	20.12
	2-1/4	44	35	89	77	63	44	18	36	7.00	14.00	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 less than 30° shall not be used.
** Working Load Limit, based on standard carbon fittings unless noted otherwise.
*** See Choker Hitch Rated Capacity Adjustment on page 7.