



Super-Flex® slings

THE ADVANTAGES OF SUPER-FLEX SLINGS

- > Flexible enough to snug up around the load, Super-Flex slings also handle the load well, particularly in the larger-rated capacities.

SUPER-FLEX® SLINGS are flexible and can snug up tightly around the load in choker hitches. Super-Flex slings also offer outstanding handling characteristics, particularly in the larger rated capacities. When loaded, stress distributes to all rope parts in the sling body due to the helical manner in which ropes are laid together.

Braided slings are formed by continuously plaiting, or braiding, several ropes together to form the sling body and both eyes in a single fabrication operation. Ends of the individual ropes are usually hand-tucked or mechanically spliced into the component ropes of the body. The eyes are wrapped and given a rubberized coating.

Braided slings are often selected when loads must either be turned or maneuvered since the sling design creates friction to grip loads.

Four-, five- and seven-part Super-Flex slings with either mechanical or hand eye splices are available by special order.

For further information, contact WireCo WorldGroup.

MULTI-PART BODY BRAIDED CONSTRUCTION

High flexibility is achieved by braiding, or plaiting, one or more wire ropes to form a fabric for the sling body. Component ropes run continuously through the body and eyes with ends hand-tucked into sling body or secured with pressed sleeves. The six-part sling is flat; the eight-part is round.



SUPER-FLEX HAND SPLICE

Each sling is hand-fabricated by laying together one or more ropes in a helical manner so component ropes run continuously through the eyes and sling body. The ends are then secured into the component rope with hand-tucked splices.



SUPER-FLEX MECHANICAL SPLICE




Three wire ropes are helically laid to form a three-part fabric, from which sling bodies of three or nine parts may be made by helically laying one or three parts of fabric together. Mechanical splices form the eyes that provide centerline pull along the sling body. There are the same number of rope parts in the sling eyes as in the body.

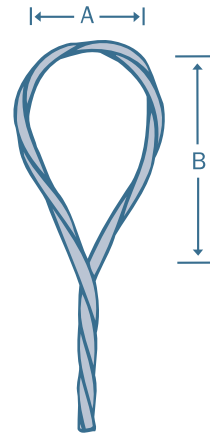


Super-Flex® multi-part body, single leg slings






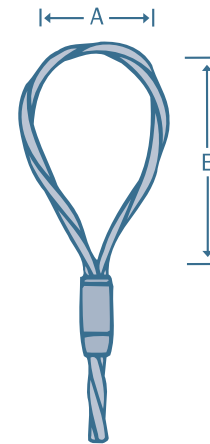
310-315* FC

	Rope Dia. (in.)	Sling Dia.	RATED CAPACITY - Tons*			Eye Dimensions		Slip Thru Thimble ST	Heavy Thimble HT
			Vert.	Choker Hitch	Basket Hitch	A	B		
									
XIP® FC	#1/8	1/4	0.42	0.37	0.84	3	6	W-2	5/16
	3/16	3/8	0.72	0.63	1.4	3	6	W-2	7/16
	1/4	1/2	1.3	1.1	2.5	4	8	W-3	9/16
	5/16	5/8	2.0	1.7	3.9	4	8	W-4	3/4
	3/8	3/4	2.8	2.5	5.6	5	10	W-4	7/8
	7/16	7/8	3.8	3.3	7.6	6	12	W-5	7/8
	1/2	1	4.9	4.3	9.9	6	12	W-5	1
	9/16	1-1/8	6.2	5.5	12	7-1/2	15	W-6	1-1/8
	5/8	1-1/4	7.7	6.8	15	9	18	W-6	1-1/4
	3/4	1-1/2	11	9.6	22	10	20	W-7	1-3/8
	7/8	1-3/4	15	13	30	12	24	W-9	1-7/8
	1	2	19	17	39	15	30	W-9	2



310-315* IWRC

	Rope Dia. (in.)	Sling Dia.	RATED CAPACITY - Tons*			Eye Dimensions		Slip Thru Thimble ST	Heavy Thimble HT
			Vert.	Choker Hitch	Basket Hitch	A	B		
									
XIP® IWRC	#1/8	1/4	0.42	0.37	0.84	3	6	W-2	5/16
	3/16	3/8	0.8	0.71	1.6	3	6	W-2	7/16
	1/4	1/2	1.4	1.2	2.9	4	8	W-3	9/16
	5/16	5/8	2.2	1.9	4.4	4	8	W-4	3/4
	3/8	3/4	3.2	2.8	6.3	5	10	W-4	7/8
	7/16	7/8	4.3	3.7	8.6	6	12	W-5	7/8
	1/2	1	5.6	4.9	11	6	12	W-5	1
	9/16	1-1/8	7.1	6.2	14	7-1/2	15	W-6	1-1/8
	5/8	1-1/4	8.7	7.6	17	9	18	W-6	1-1/4
	3/4	1-1/2	12	11	25	10	20	W-7	1-3/8
	7/8	1-3/4	17	15	33	12	24	W-9	1-7/8
	1	2	22	19	43	15	30	W-9	2
	1-1/8	2-1/4	27	24	55	16	32		
	1-1/4	2-1/2	34	29	67	16	32		
	1-3/8	2-3/4	40	35	81	20	40		
	1-1/2	3	48	42	96	22	44		
	1-5/8	3-1/4	55	49	111	22	44		
	1-3/4	3-1/2	64	56	129	24	48		
	1-7/8	3-5/8	73	64	146	24	48		
	2	4	83	73	166	28	56		



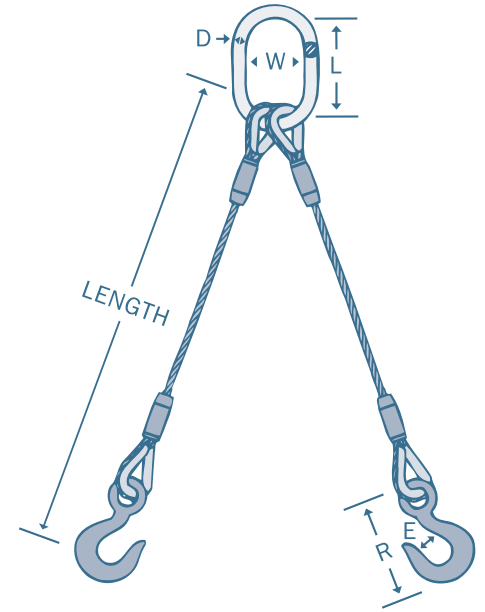
* 315 assemblies 1" and larger have single sleeve on component rope.
 ** Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.
 # Made with 7x19 GAC component rope.
 Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.
 Rated Capacities based on design factor of 5.
 Horizontal sling angles of less than 30° shall not be used.
 All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

Super-Flex® multi-part body, double leg slings



320-325* FC

	Rope Dia. (in.)	Sling Dia.	RATED CAPACITY - Tons*			Alloy Oblong Links			Slip Thru Thimble	Heavy Thimble	
			Vert.	60°	45°	30°	D	L			W
XIP® FC	#3/32	3/16	0.42	0.36	0.30	0.21	1/2	5.00	2.50	-	-
	#1/8	1/4	0.84	0.73	0.59	0.42	1/2	5.00	2.50	W-2	5/16
	#3/16	3/8	1.8	1.5	1.2	0.88	1/2	5.00	2.50	W-2	7/16
	1/4	1/2	2.5	2.2	1.8	1.3	1/2	5.00	2.50	W-3	9/16
	5/16	5/8	3.9	3.4	2.8	2.0	5/8	6.00	3.00	W-4	3/4
	3/8	3/4	5.6	4.9	4.0	2.8	3/4	5.50	2.75	W-4	7/8
	7/16	7/8	7.6	6.6	5.4	3.8	1	7.00	3.50	W-5	7/8
	1/2	1	9.9	8.6	7.0	4.9	1	7.00	3.50	W-5	1
	9/16	1-1/8	12	11	8.8	6.2	1-1/4	8.75	4.38	W-6	1-1/8
	5/8	1-1/4	15	13	11	7.7	1-1/4	8.75	4.38	W-6	1-1/4
	3/4	1-1/2	22	19	16	11	1-1/2	10.50	5.25	W-7	1-3/8
	7/8	1-3/4	30	26	21	15	1-3/4	12.00	6.00	W-9	1-7/8
1	2	39	33	27	19	1-3/4	12.00	6.00	W-9	2	



320-325* IWRC

	Rope Dia. (in.)	Sling Dia.	RATED CAPACITY - Tons*			Alloy Oblong Links			Slip Thru Thimble	Heavy Thimble	
			Vert.	60°	45°	30°	D	L			W
XIP® IWRC	#3/32	3/16	0.42	0.36	0.30	0.21	1/2	5.00	2.50	-	-
	#1/8	1/4	0.84	0.73	0.59	0.42	1/2	5.00	2.50	W-2	5/16
	#3/16	3/8	1.8	1.5	1.2	0.88	1/2	5.00	2.50	W-2	7/16
	1/4	1/2	2.9	2.5	2.0	1.4	1/2	5.00	2.50	W-3	9/16
	5/16	5/8	4.4	3.8	3.1	2.2	5/8	6.00	3.00	W-4	3/4
	3/8	3/4	6.3	5.5	4.5	3.2	7/8	6.38	3.75	W-4	7/8
	7/16	7/8	8.6	7.4	6.1	4.3	1	7.00	3.50	W-5	7/8
	1/2	1	11	9.7	7.9	5.6	1	7.00	3.50	W-5	1
	9/16	1-1/8	14	12	10	7.1	1-1/4	8.75	4.38	W-6	1-1/8
	5/8	1-1/4	17	15	12	8.7	1-1/4	8.75	4.38	W-6	1-1/4
	3/4	1-1/2	25	21	17	12	1-1/2	10.50	5.25	W-7	1-3/8
	7/8	1-3/4	33	29	24	17	1-3/4	12.00	6.00	W-9	1-7/8
1	2	43	38	31	22	2	14.00	7.00	W-9	2	

* 325 assemblies 1" and larger have single sleeve on component rope.
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