



## 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.

**S**UPER-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.

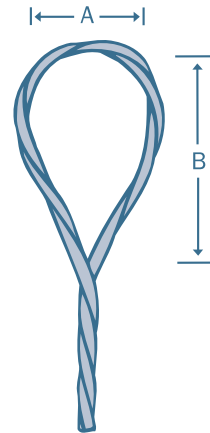


# Super-Flex® multi-part body, single leg slings



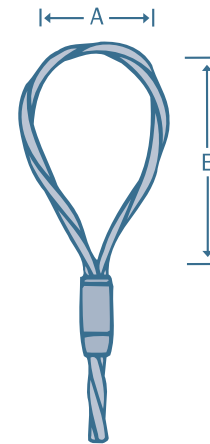
## 310-315\* FC

	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		



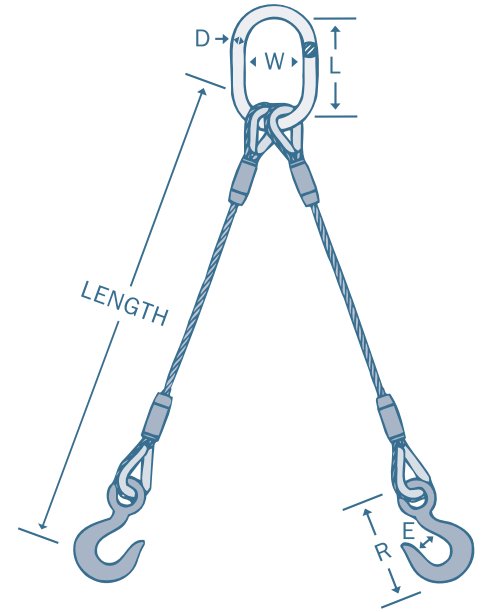
\* 315 assemblies 1" and larger have single sleeve on component rope.  
 \*\* Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.  
 # Made with 7x19 GAC component rope.  
 Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal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

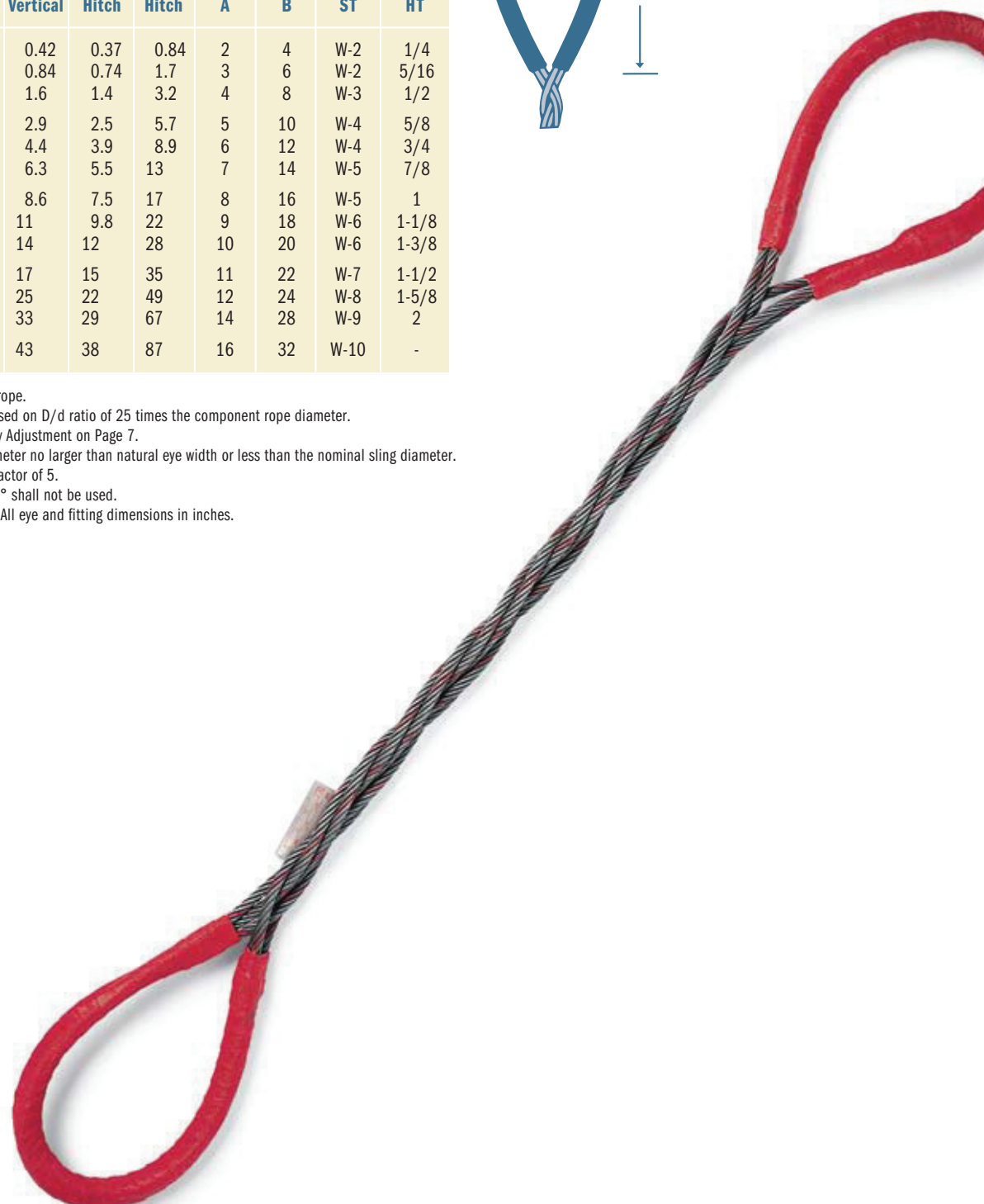
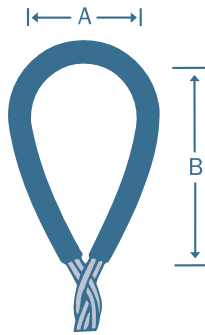


# Super-Flex® 6-part body, round braided slings



## 615 SIX-PART FLAT BRAIDED SLING

	Rope Dia. (in.)	Width of Body	Thickness of Body	RATED CAPACITY - Tons*			Eye Dimensions		Slip Thru Thimble ST	Heavy Thimble HT
				Vertical	Choker Hitch	Basket Hitch	A	B		
XIP® IWRC	#3/32	7/16	1/4	0.42	0.37	0.84	2	4	W-2	1/4
	#1/8	9/16	3/8	0.84	0.74	1.7	3	6	W-2	5/16
	3/16	13/16	1/2	1.6	1.4	3.2	4	8	W-3	1/2
	1/4	1-1/8	11/16	2.9	2.5	5.7	5	10	W-4	5/8
	5/16	1-3/8	7/8	4.4	3.9	8.9	6	12	W-4	3/4
	3/8	1-11/16	1	6.3	5.5	13	7	14	W-5	7/8
	7/16	2	1-3/16	8.6	7.5	17	8	16	W-5	1
	1/2	2-1/4	1-5/16	11	9.8	22	9	18	W-6	1-1/8
	9/16	2-1/2	1-1/2	14	12	28	10	20	W-6	1-3/8
	5/8	2-13/16	1-11/16	17	15	35	11	22	W-7	1-1/2
	3/4	3-3/8	2	25	22	49	12	24	W-8	1-5/8
	7/8	4	2-5/16	33	29	67	14	28	W-9	2
	1	4-1/2	2-11/16	43	38	87	16	32	W-10	-



# Made with 7x19 GAC component rope.

\* Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.

\*\* See Choker Hitch Rated Capacity Adjustment on Page 7.

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.

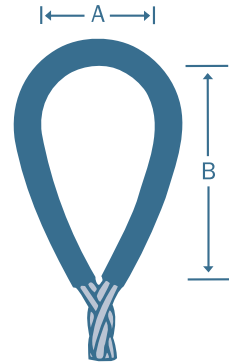
All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

# Super-Flex® 8-part body, round braided slings



## 815 EIGHT-PART ROUND BRAIDED SLING

	Rope Dia. (in.)	Sling Diameter	RATED CAPACITY - Tons*			Eye Dimensions		Thru Thimble ST	Slip Heavy Thimble HT
			Vertical	Choker Hitch	Basket Hitch	A	B		
XIP® IWRC	#3/32	7/16	0.56	0.49	1.1	2	4	W-2	5/16
	#1/8	9/16	1.1	0.98	2.2	3	6	W-2	3/8
	3/16	13/16	2.2	1.9	4.3	4	8	W-3	1/2
	1/4	1-1/8	3.8	3.3	7.6	5	10	W-4	3/4
	5/16	1-3/8	5.9	5.2	12	6	12	W-5	1
	3/8	1-11/16	8.5	7.4	17	7	14	W-5	1-1/8
	7/16	2	11	10	23	8	16	W-6	1-1/4
	1/2	2-1/4	15	13	30	9	18	W-7	1-3/8
	9/16	2-1/2	19	16	38	10	20	W-7	1-1/2
	5/8	2-13/16	23	20	46	11	22	W-8	1-3/4
	3/4	3-3/8	33	29	66	12	24	W-9	2
	7/8	4	45	39	89	14	28	W-10	-
	1	4-1/2	58	51	116	16	32	W-10	-



# Made with 7x19 GAC component rope.

\* Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.

\*\* See Choker Hitch Rated Capacity Adjustment on Page 7.

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.

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

# Super-Flex® 9-part body, round braided slings



## LARGE CAPACITY 9-PART XIP® WIRE ROPE SLINGS

Flexibility and handling ease for rigging large lifts are the main benefits of the **9-PART SLINGS**.

The 9-part sling is made by laying wire rope continuously through both eyes and the sling body. This results in a body formed with nine parts. The proven design provides internal adjustment to distribute the load among all nine parts of the sling body. Additionally, the construction makes it possible to more easily inspect all parts of the sling before and after each lift, which is important to remember if the sling is to be used many times.

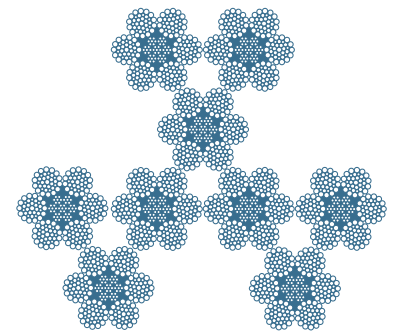
Only two splices occur in the entire sling – where the two rope ends are spliced at the eyes.

A 9-part sling construction exhibits constructional stretch of approximately 1.5% on the first loading and a lesser amount thereafter. For this reason, lifts that use two or more legs should always be made with legs that have been subjected to the same past usage when such stretch may affect the lift.

When a sling body must conform to a tight choke hitch or must bend in a tight radius, such as around a pin or post, a 9-part construction may be the most suitable since it can develop greater lifting capacity from a smaller component rope.

## 915 NINE-PART WIRE ROPE SLING

XIP® IWRC Comp. Rope Dia. (in.)	Sling Body Dia. (in.)	RATED CAPACITY - Tons*						Eye Dimensions		Weight Pounds per foot (approx.)
		Vert.	Vert. Choker	Basket Hitch & 2-Leg Bridles			Eye Width (in.)	Eye Length (in.)		
				Vert.	60°	45°			30°	
#1/4	1	4.3	3.7	8.6	7.4	6.1	4.3	6	12	1
5/16	1-1/4	6.6	5.8	13	12	9.4	6.6	6	12	2
3/8	1-1/2	9.5	8.3	19	16	13	9.5	7-1/2	13	3
7/16	1-3/4	13	11	26	22	18	13	9	18	4
1/2	2	17	15	34	29	24	17	10	20	5
9/16	2-3/16	21	19	42	37	30	21	12	24	6
5/8	2-1/2	26	23	52	45	37	26	12	24	8
3/4	3	37	32	74	64	52	37	15	30	11
7/8	3-1/2	50	44	100	87	71	50	17	34	15
1	4	65	57	130	113	92	65	20	40	20
1-1/8	4-1/2	82	72	164	142	116	82	22	44	25
1-1/4	5	101	88	201	174	142	101	25	50	31
1-3/8	5-1/2	121	106	242	210	171	121	27	54	38
1-1/2	6	144	126	287	249	203	144	30	60	45
1-5/8	6-1/2	166	146	333	288	235	166	32	64	53
1-3/4	7	193	169	386	334	273	193	35	70	61
1-7/8	7-1/2	219	192	438	380	310	219	37	74	70
2	8	249	218	499	432	353	249	40	80	80
2-1/4	9	311	272	622	539	440	311	45	90	101
2-1/2	10	381	333	761	659	538	381	50	100	125
2-3/4	11	455	398	910	788	643	455	55	110	151
3	12	536	469	1071	928	757	536	60	120	179
3-1/2	14	711	622	1421	1231	1005	711	70	140	244



\* Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.  
 Rated Capacities based on pin diameter no larger than natural width or less than the nominal diameter.  
 Rated Capacities based on design factor of 5.  
 Horizontal sling angles of less than 30° shall not be used.  
 \*\* See Choker Hitch Rated Capacity Adjustment on Page 7.  
 All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

