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# R. S. TRADING CORPORATION

India's Leading Rigging Slings Manufacture Company

AN ISO 9001 : 2015 COMPANY



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## Locations

### Three Locations To Serve You



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# R. S. TRADING CORPORATION

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Wire rope slings are the most common type of sling that R S TRADING CORPORATION Wire Rope Sling fabricates. These slings consist of many different configurations from single part, to multi-part braided constructions. The end fittings may range from a standard loop eye to various end fittings with specific applications.

RSTC Wire Rope Sling fabricates wire rope slings and assemblies with diameters from 1/32" to 4-1/2". We use various types and constructions of wire rope when fabricating slings, bright with an exterior lubrication, galvanized wire Rope.

The component wire rope offers various advantages depending on applications.

## WIRE ROPE SLINGS Introduction



## WIRE ROPE SLINGS Capacities & Hitches

The listed capacities of wire rope slings/assemblies in this catalog are based on the industrial standard of a 5 to 1 design factor. This is the method used to determine the working load limit (WLL) of a sling: minimum breaking strength of the wire rope (MBL) multiplied by the efficiency of the splice or end fittings divided by the design factor 5.

The factors listed below affect the capacity of a wire rope sling:

- Efficiency of the end termination or eye splice
- Type of hitch being used when lifting the load
- Diameter of the item being lifted where the sling is attached
- Diameter of the hook or shackle where the sling attaches to the lifting device

### Efficiency of the end termination or eye splice

#### Hand spliced eyes:

Rope Diameter	Efficiency
1/4"	90%
5/16"	89%
3/8"	88%
7/16"	87%
1/2"	86%
9/16"	85%
5/8"	84%
3/4"	82%
7/8" to 2-1/2"	80%

#### Mechanical spliced eyes:

Rope Diameter	Efficiency
1/4" to 1"	95%
1-1/8" to 2"	92.5%
2-1/4" to 4-1/2"	90%

#### Swage and spelter sockets:

Rope Diameter	Efficiency
1/4" to 4-1/2"	100%





## WIRE ROPE SLINGS

### Capacities & Hitches

#### Type of hitch being used when lifting the load:

##### Vertical Pull:

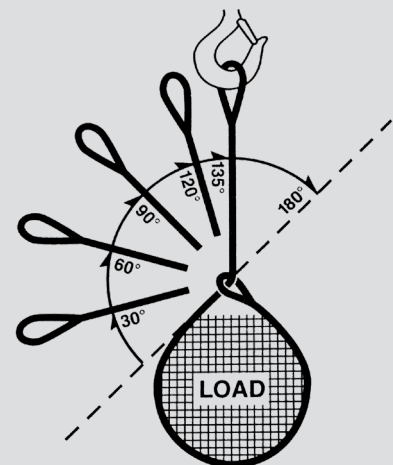
A vertical pull is where a sling is hitched between the lifting device and load in a straight line.



##### Choker Hitch:

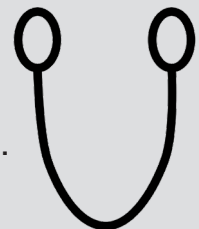
A choker hitch is where the eye on one end of the sling is passed through the eye on the other end of the sling and the sling is choked around the load being picked up. The chart below shows the capacity reduction of a sling used in a choker hitch.

Angle of Choke Degree	Rated Capacity %
Over 120	100
90-120	87
60-89	74
30-59	62
0-29	49



##### Vertical Basket Hitch:

A vertical basket hitch is where the body of the sling supports the load being lifted and the two ends of the sling are attached to the lifting device.







## WIRE ROPE SLINGS

# Capacities & Hitches

### Sling Capacities When Rigged at Various Angles

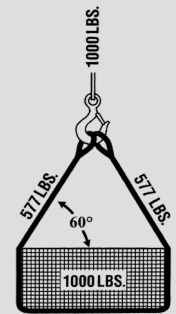
#### EXAMPLES:

#### Load Factor Guidelines

Leg Angle	Load Factor
90°	1.000
85°	1.003
80°	1.015
75°	1.035
70°	1.064
65°	1.103
60°	1.154
55°	1.220
50°	1.305
45°	1.414
40°	1.555
35°	1.743
30°	2.000

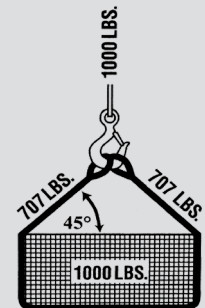
**A. Vertical lift:** Total load is 1,000 lbs. divided by two legs = 500 lbs. load per leg if vertical lift

**B. Horizontal sling angle is 60 degrees:** Multiply 500 lbs. by 1.154 load factor (from table) = 577 lbs. actual load per leg.



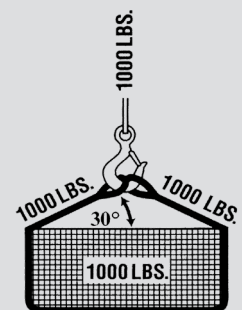
**A. Vertical lift:** Total load is 1,000 lbs. divided by two legs = 500 lbs. load per leg if vertical lift

**B. Horizontal sling angle is 45 degrees:** Multiply 500 lbs. by 1.414 load factor (from table) = 707 lbs. actual load per leg.



**A. Vertical lift:** Total load is 1,000 lbs. divided by two legs = 500 lbs. load per leg if vertical lift

**B. Horizontal sling angle is 30 degrees:** Multiply 500 lbs. by 2.000 load factor (from table) = 1000 lbs. actual load per leg.



**WARNING:** Slings shall not be used with horizontal angles less than 30°.





## WIRE ROPE SLINGS D/d Ratios

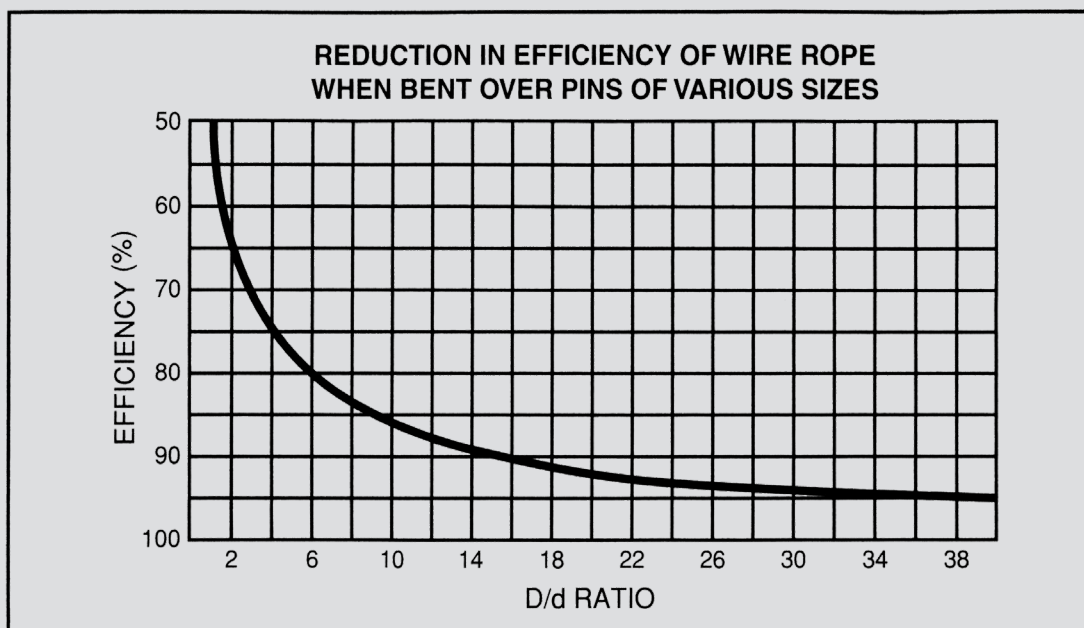
When a sling is rigged as a basket, the diameter of the bend where the sling contacts the load can affect the sling's lifting capacity. How much the lifting capacity is affected can be calculated by dividing the diameter of the bend where the rope contacts the load (represented by "D") by the diameter of the rope or the component rope diameter in a multi-part sling (represented by "d").

For example, if the diameter of the bend ("D") is 10 and the component rope diameter ("d") is 1/2, the D/d ratio is  $10 \div 1/2$  or 20.

When using D/d ratios that are smaller than those shown in the table below, the rated capacity of the sling must be decreased.

### Standard D/d ratios are applied to determine efficiency of various sling constructions

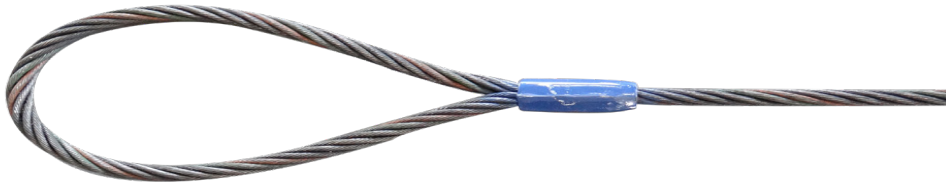
Mechanically spliced, single-part slings	25 times rope diameter
Hand-spliced, single-part slings	15 times rope diameter
Braided multi-part slings of 3 parts	10 times component rope diameter
Braided multi-part slings of 6 parts	25 times component rope diameter
Braided multi-part slings of 8 parts	25 times component rope diameter
Braided multi-part slings of 9 parts	20 times component rope diameter
Hand-tucked grommets and mechanically joined grommets	5 times sling body diameter











## WIRE ROPE SLINGS

### TYPE 110 EIP FC or IWRC: Mechanical Spliced Slings Rated Capacity - IS Tons



Rope Dia. (")	Vert	Choker Hitch	Basket Hitch			Eye Dimensions (")		Thimble Dimensions (")		Alloy Hook		
							A	B	A	B	WLL Tons	
				60	45	30						
6X19 OR 6X36 EIP	1/4	0.54	0.42	1.1	0.94	0.77	0.54	2.0	4	0.88	1.63	1
	5/16	0.83	0.66	1.7	1.4	1.2	0.83	2.5	5	1.06	1.88	1
	3/8	1.2	0.94	2.4	2.0	1.7	1.2	3.0	6	1.13	2.13	1 1/2
	7/16	1.6	1.3	3.2	2.7	2.2	1.6	3.5	7	1.25	2.38	2
	1/2	2.0	1.6	4.0	3.5	2.9	2.0	4.0	8	1.5	2.75	3
	9/16	2.5	2.1	5.0	4.4	3.6	2.5	4.5	9	1.5	2.75	5
	5/8	3.1	2.6	6.2	5.3	4.4	3.1	5.0	10	1.75	3.25	5
	3/4	4.3	3.7	8.6	7.4	6.1	4.3	6.0	12	2.0	3.75	7
	7/8	5.7	5.0	11	9.8	8.0	5.7	7.0	14	2.25	4.25	11
1	7.4	6.4	15	13	10	7.4	8.0	16	2.5	4.5	11	
6X36 EIP	1 1/8	9.3	8.1	19	16	13	9.3	9.0	18	2.88	5.13	15
	1 1/4	11	9.9	23	20	16	11	10	20	2.88	5.13	15
	1 3/8	14	12	27	24	19	14	11	22	3.5	6.25	22
	1 1/2	16	14	32	28	23	16	12	24	3.5	6.25	22
	1 3/4	22	19	44	38	31	22	14	28	4.5	9.0	30
	2	28	25	56	49	40	28	16	32	6.0	12	37
	2 1/4	35	31	70	61	50	35	18	36	7.0	14	45
	2 1/2	43	38	86	74	61	43	20	40	8.0	17.5	60

Rated Capacities in 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.

Note: Hidden tuck splice available

Sling and load shall not be allowed to rotate to insure splice does not come undone.



## WIRE ROPE SLINGS

### TYPE 115 EIP IWRC: HandSpliced Slings Rated Capacity - IS Tons



Rope Dia. (")	Vert	Choker Hitch	Basket Hitch			Eye Dimensions (")		Thimble Dimensions (")		Alloy Hook WLL Tons		
			60	45	30	A	B	A	B			
											Diagram	Diagram
6X19 OR 6X36 EIP	1/4	0.65	0.48	1.3	1.1	0.91	0.65	2.0	4	0.88	1.63	1
	5/16	1.0	0.74	2.0	1.7	1.4	1.0	2.5	5	1.06	1.88	1
	3/8	1.4	1.1	2.9	2.5	2.0	1.4	3.0	6	1.13	2.13	1 1/2
	7/16	1.9	1.4	3.9	3.4	2.7	1.9	3.5	7	1.25	2.38	2
	1/2	2.5	1.9	5.1	4.4	3.6	2.5	4.0	8	1.5	2.75	3
	9/16	3.2	2.4	6.4	5.5	4.5	3.2	4.5	9	1.5	2.75	5
	5/8	3.9	2.9	7.8	6.8	5.5	3.9	5.0	10	1.75	3.25	5
	3/4	5.6	4.1	11	9.7	7.9	5.6	6.0	12	2.0	3.75	7
	7/8	7.6	5.6	15	13	11	7.6	7.0	14	2.25	4.25	11
1	9.8	7.2	20	17	14	9.8	8.0	16	2.5	4.5	11	
6X36 EIP	1 1/8	12	9.1	24	21	17	12	9.0	18	2.88	5.13	15
	1 1/4	15	11	30	26	21	15	10	20	2.88	5.13	15
	1 3/8	18	13	36	31	25	18	11	22	3.5	6.25	22
	1 1/2	21	16	42	37	30	21	12	24	3.5	6.25	22
	1 3/4	28	21	57	49	40	28	14	28	4.5	9.0	30
	2	37	28	73	63	52	37	16	32	6.0	12	37
	2 1/4	44	35	89	77	63	44	18	36	7.0	14	45
	2 1/2	54	42	109	94	77	54	20	40	8.0	17.5	60
	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			
	4 1/2	160	120	320	277	226	160	36	72			




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

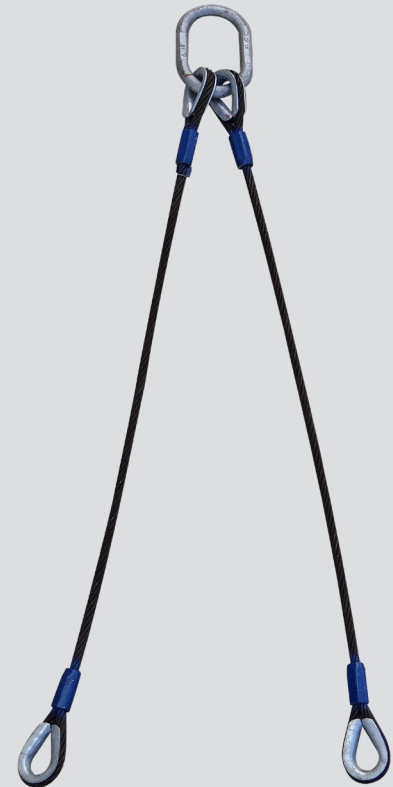
Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter. Rated Capacities based on design factor of 5.

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






## TYPE 125 EIP FC Or IWRC: Mechanical Spliced Two Leg Wire rope sling Spreaders Rated Capacity - IS Tons

	Rope Dia. (")	RATED CAPACITY (Tons)			Alloy Oblong	Alloy Hook
					Dia. (")	WLL Tons
		60	45	30		
6x19 OR 6x36 EIP	1/4	1.1	0.91	0.65	0.50	1
	5/16	1.7	1.4	1.0	0.50	1
	3/8	2.5	2.0	1.4	0.50	1 1/2
	7/16	3.4	2.7	1.9	0.75	2
	1/2	4.4	3.6	2.5	0.63	3
	9/16	5.5	4.5	3.2	0.875	5
	5/8	6.8	5.5	3.9	1.0	5
	3/4	9.7	7.9	5.6	1.0	7
	7/8	13	11	7.6	1.25	11
1	17	14	9.8	1.50	11	
6x36 EIP	1 1/8	21	17	12	1.50	15
	1 1/4	26	21	15	1.75	15
	1 3/8	31	25	18	1.75	22
	1 1/2	37	30	21	2.0	22
	1 3/4	49	40	28	2.25	30
	2	63	52	37	2.5	37



Rated Capacities based on design factor of 5.  
Horizontal sling angles of less than 30° shall not be used.

## TYPE 130 EIP FC Or IWRC: Mechanical Spliced Three Leg Wire rope sling Spreaders Rated Capacity - IS Tons

	Rope Dia. (")	RATED CAPACITY (Tons)			Alloy Oblong Dia. (")	Alloy Hook WLL Tons
						
		60	45	30		
6x19 OR 6x36 EIP	1/4	1.7	1.40	0.97	0.75	1
	5/16	2.6	2.1	1.5	0.75	1
	3/8	3.7	3.0	2.2	0.75	1 1/2
	7/16	5.0	4.1	2.9	0.75	2
	1/2	6.6	5.4	3.8	1.0	3
	9/16	8.3	6.8	4.8	1.0	5
	5/8	10	8.3	5.9	1.0	5
	3/4	15	12	8.4	1.25	7
	7/8	20	16	11	1.5	11
1	26	21	15	1.5	11	
6x36 EIP	1 1/8	31	26	18	2	15
	1 1/4	38	31	22	2	15
	1 3/8	46	38	27	2.25	22
	1 1/2	55	45	32	2.5	22
	1 3/4	74	60	42	2.75	30






Master Link with Sub-Assemblies Optional

Rated Capacities based on design factor of 5.  
Horizontal sling angles of less than 30° shall not be used.



## TYPE 145 EIP FC Or IWRC: Mechanical Spliced Four Leg Wire rope sling Spreaders Rated Capacity - IS Tons

	Rope Dia. (")	RATED CAPACITY (Tons)			Alloy Oblong Dia. (")	Alloy Hook WLL Tons
						
		60	45	30		
6x19 OR 6x36 EIP	1/4	2.2	1.8	1.3	1/2"	1
	5/16	3.5	2.8	2.0	3/4"	1
	3/8	5.0	4.1	2.9	3/4"	1 1/2
	7/16	6.7	5.5	3.9	7/8"	2
	1/2	8.8	7.1	5.1	1"	3
	9/16	11	9.0	6.4	1"	5
	5/8	14	11	7.8	1.25	5
	3/4	19	16	11	1.5	7
	7/8	26	21	15	1.75	11
	1	34	28	20	2.0	11
6x36 EIP	1 1/8	42	34	24	2.25	15
	1 1/4	51	42	30	2.5	15
	1 3/8	62	50	36	2.75	22
	1 1/2	73	60	42	3 1/2"	22



Master Link with Sub-Assemblies Optional




Rated Capacities based on design factor of 5.  
Horizontal sling angles of less than 30° shall not be used.

## WIRE ROPE SLINGS

### TYPE 315 EIP: Three-Part Braided Sling

Rated Capacity - IS Tons



	Rope Dia. (")	Sling Dia. (")	RATED CAPACITY (Tons)			Eye Dimensions (")	
			Vertical	Hitch Choker	Basket	Eye Width	Eye Length
							
6X19 OR 6x36 EIP	1/4	1/2	1.7	1.3	3.4	2	4
	5/16	5/8	2.6	1.9	5.2	3	6
	3/8	3/4	3.6	2.7	7.2	4	8
	7/16	7/8	4.9	3.7	9.8	5	10
	1/2	1	6.4	4.8	12	6	12
	9/16	1 1/8	8	6	16	7	14
	5/8	1 1/4	9.9	7.4	19	8	16
	3/4	1 1/2	14	10	28	10	20
	7/8	1 3/4	19	14	38	12	24
	1	2	24	18	49	14	28
6X36 EIP	1 1/8	2 1/4	31	23	62	16	32
	1 1/4	2 1/2	38	28	76	18	36
	1 3/8	2 3/4	46	34	92	20	40
	1 1/2	3	55	41	110	22	44
	1 3/4	3 1/2	73	54	146	26	52
	2	4	95	71	190	28	56
	2 1/4	4 1/2	118	88	236	32	64
	2 1/2	5	145	109	290	36	72
	2 3/4	5 1/2	173	130	346	40	80
	3	6	204	153	408	44	88
	3 1/2	7	270	202	540	48	96
	4	8	343	257	686	56	112
4 1/2	9	384	288	768	63	126	

Rated Capacities in Basket Hitch based on D/d ratio of 5 times the sling diameter.




Rated capacities based on D/d ratio of 1.5 times the sling diameter inside the eye.

Note: Locked eyes available



## WIRE ROPE SLINGS

### TYPE 615 EIP IWRC: Six-Part Braided Sling Rated Capacity - IS Tons

	Rope Dia. (")	Width of body (")	Thickness of body (")	RATED CAPACITY (Tons)			Eye Dimensions (")		Slip Thru Thimble	Heavy Thimble
				Vertical	Hitch Choker	Hitch Basket	A	B		
										
6X19 OR 6X36 EIP	1/4	1 1/8	11/16	2.9	2.5	5.7	5	10	ST 20	5/8
	5/16	1 3/8	7/8	4.4	3.9	8.9	6	12	ST 20	3/4
	3/8	1	1	6.3	5.5	13	7	14	ST 24	7/8
	7/16	2	1 3/16	8.6	7.5	17	8	16	ST 24	1
	1/2	2 1/4	1 5/16	11	9.8	22	9	18	ST 36	1 1/8
	9/16	2 1/2	1 1/2	14	12	28	10	20	ST 36	1 3/8
	5/8	2 13/16	1 11/16	17	15	35	11	22	ST 44	1 1/2
	3/4	3 3/8	2	26	22	49	12	24	ST 52	1 5/8
	7/8	4	2 5/16	33	29	67	14	28	ST 60	2
1	4 1/2	2 11/16	43	38	87	16	32	ST 68	2 1/4	
6X36 EIP	1 1/8	5 1/16	3	55	48	109	18	36	ST 80	2 1/2
	1 1/4	5 5/8	3 5/16	67	59	134	20	40	ST 80	
	1 3/8	6 3/16	3 11/16	81	71	161	22	44	ST 80	
	1 1/2	6 3/4	4	96	84	192	24	48		
	1 3/4	7 7/8	4 11/16	129	112	257	28	56		
	2	9	5 5/16	166	146	333	32	64		



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 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.

## WIRE ROPE SLINGS

### TYPE 815 EIP IWRC: Eight-Part Braided Sling Rated Capacity - IS Tons



Rope Dia. ("")	RATED CAPACITY (Tons)			Eye Dimensions ("")		Slip Thru Thimble	Heavy Thimble	
	Vertical	Hitch Choker	Hitch Basket	A	B			
						ST	HT	
6X19 OR 6X36 EIP	1/4	3.8	3.3	7.6	5	10	ST 20	7/8
	5/16	5.9	5.2	12.0	6	12	ST 24	1
	3/8	8.5	7.4	17.0	7	14	ST 36	1 1/8
	7/16	11	10	23	8	16	ST 36	1 1/4
	1/2	15	13	30	9	18	ST 44	1 1/2
	9/16	19	16	38	10	20	ST 52	1 3/4
	5/8	23	20	46	11	22	ST 60	2
	3/4	33	29	66	12	24	ST 68	2 1/4
	7/8	45	39	89	14	28	ST 80	2 1/2
1	58	51	116	16	32	ST 80	2 1/2	
6X36 EIP	1 1/8	72	64	146	18	36		
	1 1/4	89	78	179	20	40		
	1 3/8	108	94	215	22	44		
	1 1/2	128	112	255	24	48		
	1 3/4	171	150	343	28	56		
	2	222	194	444	32	64		

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 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.



## WIRE ROPE SLINGS

### TYPE 915 EIP IWRC: Nine-Part Braided Sling Rated Capacity - IS Tons

	Rope Dia. (")	Sling Dia. (")	RATED CAPACITY (Tons)			Eye Dimensions	
			Vertical	Hitch Choker	Hitch Basket	Eye Width (")	Eye Length (")
							
6X19 OR 6X36 EIP	1/4	1	4.3	3.2	8.6	6	12
	5/16	1 1/4	6.6	5	13	6	12
	3/8	1 1/2	9.5	7.1	19	7 1/2	13
	7/16	1 3/4	14	11	29	9	18
	1/2	2	19	14	38	10	20
	9/16	2 3/16	24	18	48	12	24
	5/8	2 1/2	29	22	59	12	24
	3/4	3	42	32	84	15	30
	7/8	3 1/2	57	43	114	17	34
6X36 EIP	1	4	74	56	148	20	40
	1 1/8	4 1/2	93	60	187	22	44
	1 1/4	5	115	86	230	25	50
	1 3/8	5 1/2	138	104	276	27	54
	1 1/2	6	164	123	328	30	60
	1 3/4	7	220	165	440	35	70
	2	8	285	214	570	40	80
	2 1/4	9	355	267	711	45	90
	2 1/2	10	434	326	869	50	100
	2 3/4	11	485	358	970	55	110
	3	12	574	424	1148	60	120
	3 1/2	14	761	563	1421	70	140
4	16	972	719	1544	80	160	
4 1/2	18	1200	888	2400	90	180	






Rated Capacities based on pin diameter no larger than natural width or less than the nominal diameter  
 Rated Capacities in basket hitch based on D/d ratio of 5 times the sling body diameter  
 Rated Capacities based on design factor of 5.  
 Horizontal sling angles of less than 30° shall not be used.

## WIRE ROPE SLINGS

### TYPE 8P1 7X19: Galvanized Braided Sling Rated Capacity - IS Tons



	Rope Dia. (")	Sling Dia. (")	Rates Capacity in Tons						Eye Dimensions (")		Slip Thru Thimble	Heavy Thimble
			Vertical	Choker Hitch	Basket Hitch			A	B	ST	HT	
												
7X19 GALV.	1/8	9/16	1.1	1.0	2.2	1.9	1.6	1.1	3	6	ST 10	1/2
	3/16	13/16	1.9	1.6	3.7	3.2	2.6	1.9	4	8	ST 16	5/8
	1/4	1 1/8	3.3	2.9	6.6	5.7	4.7	3.3	5	10	ST 20	7/8
	5/16	1 3/8	5.1	4.5	10	8.9	7.3	5.1	6	12	ST 24	1
	3/8	1 11/16	7.3	6.4	15	13	10	7.3	7	14	ST 36	1 1/8

Made with 7x19 GAC component rope.

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

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

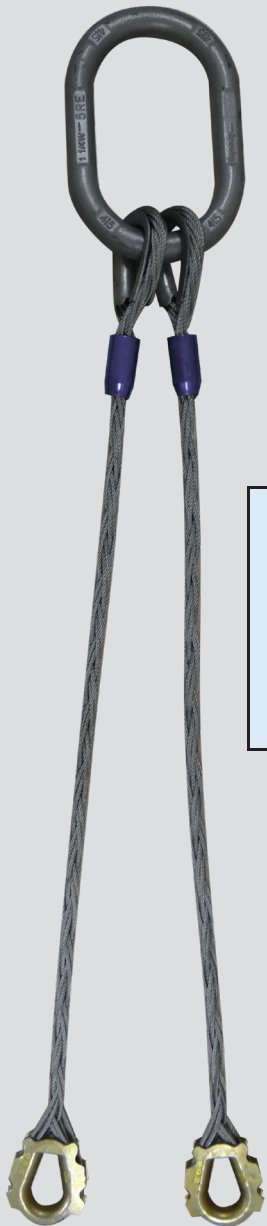
Rated Capacities based on design factor of 5.




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



## WIRE ROPE SLINGS

### TYPE 8P2 7X19: Two-Leg Galvanized Braided Sling Rated Capacity - IS Tons



	Rope Dia. (")	Sling Dia. (")	Single Leg Choker	Rated Capacity in Tons			Alloy Oblong Link Dia. (")
				Legs in a Choker Hitch			
				60	45	30	
							
7X19 GALV.	1/8	9/16	1	1.7	1.4	0.98	1/2
	3/16	13/16	1.6	2.8	2.3	1.6	1/4
	1/4	1 1/8	2.9	5	4.1	2.9	1
	5/16	1 3/8	4.5	7.8	6.3	4.5	1 1/4
	3/8	1 11/16	6.4	11	9.1	6.4	1 1/4

Made with 7x19 GAC component rope.  
 Rated Capacities based on design factor of 5.  
 Horizontal sling angles less than 30° shall not be used.





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

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## WIRE ROPE SLINGS

### TYPE 8P3 7X19: Three-Leg Galvanized Braided Sling Rated Capacity - IS Tons



	Rope Dia. (")	Sling Dia. (")	Single Leg Choker	Rated Capacity in Tons			Alloy Oblong Link Dia. (")
				Legs in a Choker Hitch			
				60	45	30	
							
7X19 GALV.	1/8	9/16	1	2.5	2.1	1.5	3/4
	3/16	13/16	1.6	4.3	3.5	2.5	3/4
	1/4	1 1/8	2.9	7.5	6.1	4.3	1 1/4
	5/16	1 3/8	4.5	12	9.5	6.7	1 1/2
	3/8	1 11/16	6.4	17	14	9.6	2

Made with 7x19 GAC component rope.  
 Rated Capacities based on design factor of 5.  
 Horizontal sling angles less than 30° shall not be used.

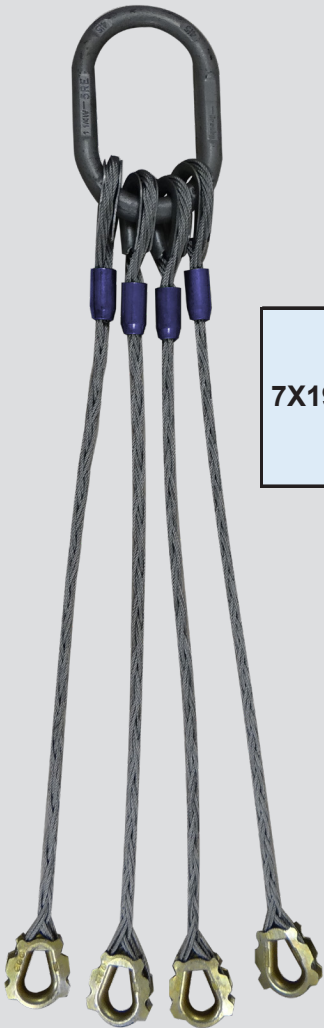





*Master Link with  
Sub-Assemblies Optional*



## WIRE ROPE SLINGS

### TYPE 8P4 7X19: Four-Leg Galvanized Braided Sling Rated Capacity - IS Tons



	Rope Dia. (")	Sling Dia. (")	Single Leg Choker	Rated Capacity in Tons			Alloy Oblong Link Dia. (")
				Legs in a Choker Hitch			
				60	45	30	
							
7X19 GALV.	1/8	9/16	1	3.4	2.8	2	1
	3/16	13/16	1.6	5.7	4.6	3.3	1 1/2
	1/4	1 1/8	2.9	10	8.1	5.8	1 3/4
	5/16	1 3/8	4.5	16	13	9	2
	3/8	1 11/16	6.4	22	18	13	2 3/4

Made with 7x19 GAC component rope.  
 Rated Capacities based on design factor of 5.  
 Horizontal sling angles less than 30° shall not be used.

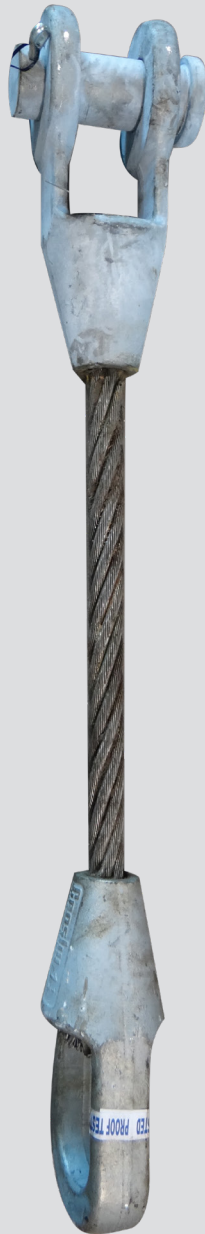


*Master Link with  
Sub-Assemblies Optional*

## WIRE ROPE ASSEMBLIES

### TYPE 110 EIP IWRC: Spelter Socket Assembly

Rated Capacity - IS Tons



110 Spelter Socket	Rated Capacity in Tons	
	EIP	EEIP
Dia. (")		
1/4	0.68	0.75
5/16	1.1	1.2
3/8	1.5	1.7
7/16	2	2.2
1/2	2.7	2.9
9/16	3.4	3.7
5/8	4.1	4.5
3/4	5.9	6.5
7/8	8	8.8
1	10	11
1 1/8	13	14
1 1/4	16	18
1 3/8	19	21
1 1/2	23	25
1 5/8	26	29
1 3/4	31	34
1 7/8	35	38
2	40	43
2 1/8	44	49
2 1/4	49	54
2 3/8	55	60
2 1/2	60	66
2 5/8	66	73
2 3/4	72	79
2 7/8	78	86
3	85	94
3 1/8	92	101
3 1/4	98	108
3 3/8	106	116
3 1/2	113	124
3 3/4	128	141
4	144	
4 1/2	178	

Rated capacities based on a design factor of 5.





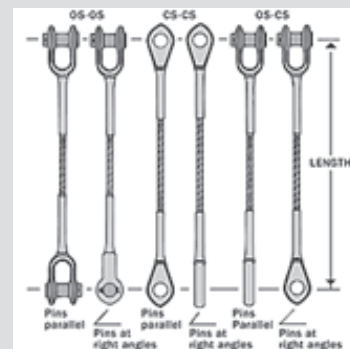
## WIRE ROPE ASSEMBLIES

### TYPE 115 EIP IWRC: Swaged Socket Assembly Rated Capacity - IS Tons

	Diameter (")	Rated Capacity (Tons)	
		EIP	EEIP
6X19 OR 6X36 EIP	1/4	0.68	0.74
	5/16	1.1	1.2
	3/8	1.5	1.7
	7/16	2	2.2
	1/2	2.7	2.9
	9/16	3.4	3.7
	5/8	4.1	4.5
	3/4	5.9	6.5
	7/8	8	8.8
	1	10	11
6X36 EIP	1 1/8	13	14
	1 1/4	16	18
	1 3/8	19	21
	1 1/2	23	25
	1 3/4	31	34
	2	40	43

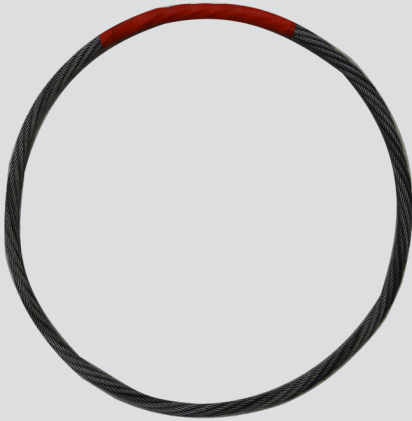








Rated capacities based on a design factor of 5.



## WIRE ROPE GROMMETS

### TYPE 210 EIP IWRC: Strand Laid Hand Splice Continuous Construction Grommet Rated Capacity - IS Tons









Sling Body Dia. (")	RATED CAPACITY - Tons						
			Basket Hitch				
							
	Vertical	Choker	Vertical	60 °	45°	30°	
6X19 OR 6X36 EIP	1/4	0.94	0.66	1.9	1.6	1.3	0.94
	5/16	1.5	1	2.9	2.5	2.1	1.5
	3/8	2.1	1.5	4.2	3.6	3.0	2.1
	7/16	2.8	2	5.7	4.9	4.0	2.8
	1/2	3.7	2.6	7.3	6.4	5.2	3.7
	9/16	4.6	3.2	9.3	8.0	6.6	4.6
	5/8	5.7	4	11	9.9	8.1	5.7
	3/4	8.2	5.7	16	14	12	8.2
	7/8	11	7.7	22	19	16	11
	1	14	10	29	25	20	14
6X36 EIP	1 1/8	18	12	35	31	25	18
	1 1/4	21	15	43	37	30	21
	1 3/8	25	18	51	44	36	25
	1 1/2	30	21	60	52	42	30
	1 3/4	40	28	79	69	56	40
	2	50	35	101	87	71	50
	2 1/4	62	43	124	107	88	62
	2 1/2	75	52	149	129	106	75
	2 3/4	89	62	177	154	125	89
	3	104	73	207	180	147	104

Rated Capacities based on design factor of 5.  
Horizontal sling angles less than 30° shall not be used.  
Rated Capacities based on D/d ratio of 5.

## WIRE ROPE GROMMETS

### TYPE 215 EIP IWRC: Mechanical Splice Grommet Rated Capacity - IS Tons



Sling Body Dia. (")	RATED CAPACITY - Tons						
			Basket Hitch				
							
	Vertical	Choker	Vertical	60°	45°	30°	
6X19 OR 6X36 EIP	1/4	1.1	0.74	2.1	1.8	1.5	1.10
	5/16	1.6	1.2	3.3	2.8	2.3	1.6
	3/8	2.4	1.6	4.7	4.1	3.3	2.4
	7/16	3.2	2.2	6.4	5.5	4.5	3.2
	1/2	4.1	2.9	8.3	7.2	5.9	4.1
	9/16	5.2	3.7	10	9.1	7.4	5.2
	5/8	6.4	4.5	13	11.0	9.1	6.4
	3/4	9.2	6.4	18	16	13	9.2
	7/8	12	8.7	25	22	18	12
	1	16	11	32	28	23	16
6X36 EIP	1 1/8	20	14	41	35	29	20
	1 1/4	25	17	50	43	35	25
	1 3/8	30	21	60	52	42	30
	1 1/2	36	25	71	62	50	36
	1 3/4	48	33	95	83	68	48
	2	62	43	124	107	87	62
	2 1/4	77	54	154	133	109	77
	2 1/2	94	66	188	163	133	94
	2 3/4	113	79	225	195	159	113
	3	133	93	265	230	188	133
	3 1/2	176	123	352	304	248	176
	4	225	157	450	389	317	225
4 1/2	278	194	555	481	392	278	

Rated Capacities based on design factor of 5.

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



Rated Capacities based on D/d ratio of 5.



## WIRE ROPE GROMMETS

### TYPE 270 EIP IWRC: Cable Laid Hand Splice Continuous Construction Grommet Rated Capacity - IS Tons



RATED CAPACITY - TONS								
Sling Body Dia.	Comp Rope Dia.			Basket Hitch				
				Vertical	60°	45°	30°	
								Vertical
6X19 OR 6X36 EIP	3/4	1/4	5.6	3.6	11	9.7	7.90	5.6
	15/16	5/16	8.7	5.6	17	15.0	12	8.7
	1 1/8	3/8	12	8	25	21.0	17	12
	1 5/16	7/16	17	11	33	29.0	23	17
	1 1/2	1/2	21	14	43	37.0	30	21
	1 11/16	9/16	27	17	53	46.0	38	27
	1 7/8	5/8	33	21	66	57.0	46	33
	2 1/4	3/4	46	30	92	80	65	46
	2 5/8	7/8	62	40	123	107	87	62
3	1	79	51	158	137	112	79	
6X36 EIP	3 3/8	1 1/8	98	64	196	170	138	98
	3 3/4	1 1/4	119	77	237	205	168	119

Rated Capacities based on design factor of 5.  
Horizontal sling angles less than 30° shall not be used.  
Rated Capacities based on D/d ratio of 5.



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