

Grommet wire rope slings

HAND-SPLICE OR MECHANICAL SPLICE GROMMETS

Grommets either have a wire rope body or a body made up of six strands which are laid helically around a strand core. Either a hand-splice or a mechanical splice then forms an endless sling body.

The minimum circumference of the sling is 96 times the grommet's body diameter.

Rope-laid grommets are also available.

210 STRAND LAID HAND SPLICE

		RATED CAPACITY - Tons*					
XIP® Sling Body Dia.	Vertical	Choker	Basket Hitch and 2-Leg Bridle				
			Vertical	60°	45°	30°	
6 X 36 XIP® & 6 X 19 XIP®	1/4	0.94	0.66	1.9	1.6	1.3	0.94
	5/16	1.5	1.0	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	2.0	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	4.0	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
	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
	1-5/8	34	24	69	60	49	34
	1-3/4	40	28	79	69	56	40
	1-7/8	45	31	89	77	63	45
	2	50	35	101	87	71	50
	2-1/8	56	39	112	97	79	56
	2-1/4	62	43	124	107	88	62
	2-3/8	68	48	137	118	97	68
	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 Basket Hitch and vertical lift based on D/d ratio of 5 when "d" = body diameter of the finished grommet.

Rated Capacities based on pin diameter no smaller than 5 times the body 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 2000 lbs.





All diameter dimensions in inches.

215/715 STRAND LAID MECHANICAL SPLICE

RATED CAPACITY - Tons*							
XIP® Sling Body Dia.	Vert.	Choker	Basket Hitch and 2-Leg Bridle				
			Vert.	60°	45°	30°	
							
6 X 19 XIP® & 6 X 36 XIP® IWRC	1/4	1.1	0.74	2.1	1.8	1.5	1.1
	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	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
	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
	1-5/8	41	29	82	71	58	41
	1-3/4	48	33	95	83	68	48
	1-7/8	54	38	109	94	77	54
	2	62	43	124	107	87	62
	2-1/8	69	48	138	119	98	69
	2-1/4	77	54	154	133	109	77
	2-3/8	85	60	171	148	121	85
	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

* Rated Capacities Basket Hitch and vertical lift based on D/d ratio of 5 when "d" = body diameter of the finished grommet.
 Rated Capacities based on pin diameter no smaller than 5 times the body diameter.
 Rated Capacities based on design factor of 5.
 Sling angles of less than 30° shall not be used.
 See Choker Hitch Rated Capacity Adjustment on Page 7.
 All capacities in tons of 2000 lbs.
 All diameter dimensions in inches.

270 CABLE LAID HAND SPLICE CONTINUOUS CONSTRUCTION

RATED CAPACITY - Tons*							
Sling Body Dia.	XIP® Comp. Rope Dia.	Vert.	Choker	Basket Hitch and 2-Leg Bridle			
				Vert.	60°	45°	30°
							
7 X 7 X 7 GALVANIZED AIRCRAFT CABLE							
3/8	1/8	1.6	1.1	3.2	2.8	2.3	1.6
9/16	3/16	3.5	2.4	6.9	6.0	4.9	3.5
5/8	7/32	4.5	3.1	9.0	7.8	6.4	4.5
6 X 19 XIP® & 6 X 36 XIP®							
3/4	1/4	5.6	3.6	11	9.7	7.9	5.6
15/16	5/16	8.7	5.6	17	15	12	8.7
1-1/8	3/8	12	8.0	25	21	17	12
1-5/16	7/16	17	11	33	29	23	17
1-1/2	1/2	21	14	43	37	30	21
1-11/16	9/16	27	17	53	46	38	27
1-7/8	5/8	33	21	66	57	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
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 Basket Hitch and vertical lift based on D/d ratio of 5 when "d" = body diameter of the finished grommet.
 Rated Capacities based on pin diameter no smaller than 5 times the body diameter.
 Rated Capacities based on design factor of 5.
 Sling angles of less than 30° shall not be used.
 See Choker Hitch Rated Capacity Adjustment on Page 7.
 All capacities in tons of 2000 lbs.
 All diameter dimensions in inches.