

**MINIMUM BREAKING FORCE AND WEIGHTS FOR STANDARD
6 X 19 AND 6 X 36 CLASSIFICATION ROPES**

Diameter (in.)	Approx. wt./ft. (lb.)	FIBER CORE		Approx. wt./ft. (lb.)	IWRC		
		Minimum breaking force (tons of 2,000 lb.)			Minimum breaking force (tons of 2,000 lb.)		
		IPS	XIP®		IPS	XIP®	XXIP®
3/16	0.059	1.55	1.71				
1/4	0.105	2.74	3.02	0.116	2.94	3.40	
5/16	0.164	4.26	4.69	0.18	4.58	5.27	
3/8	0.236	6.10	6.72	0.26	6.56	7.55	8.30
7/16	0.32	8.27	9.10	0.35	8.89	10.2	11.2
1/2	0.42	10.7	11.8	0.46	11.5	13.3	14.6
9/16	0.53	13.5	14.9	0.59	14.5	16.8	18.5
5/8	0.66	16.7	18.3	0.72	17.9	20.6	22.7
3/4	0.95	23.8	26.2	1.04	25.6	29.4	32.4
7/8	1.29	32.2	35.4	1.42	34.6	39.8	43.8
1	1.68	41.8	46.0	1.85	44.9	51.7	56.9
1 1/8	2.13	52.6	57.8	2.34	56.5	65.0	71.5
1 1/4	2.63	64.6	71.1	2.89	69.4	79.9	87.9
1 3/8	3.18	77.7	85.5	3.50	83.5	96.0	106
1 1/2	3.78	92.0	101	4.16	98.9	114	125
1 5/8	4.44	107	118	4.88	115	132	146
1 3/4	5.15	124	137	5.67	133	153	169
1 7/8	5.91	141	156	6.50	152	174	192
2	6.72	160	176	7.39	172	198	217
2 1/8	7.59	179	197	8.35	192	221	244
2 1/4	8.51	200	220	9.36	215	247	272
2 3/8				10.4	239	274	
2 1/2				11.6	262	302	
2 5/8				12.8	288	331	
2 3/4				14.0	314	361	
2 7/8				15.3	341	392	
3				16.6	370	425	
3 1/8				18.0	399	458	
3 1/4				19.5	429	492	
3 3/8				21.0	459	529	
3 1/2				22.7	491	564	
3 5/8				24.3	523	602	
3 3/4				26.0	557	641	
3 7/8				27.7	591	680	
4				29.6	627	720	
4 1/8				31.7	658	757	
4 1/4				33.3	694	799	
4 3/8				35.4	734	844	

Available galvanized at 10% lower strengths, or in equivalent strengths on special request.

Should not be used with a swivel.