

MINIMUM BREAKING FORCE AND WEIGHTS FOR ROTATION-RESISTANT AND LOW TORQUE CRANE ROPES

Diameter (in.)	FLEX-X® 19		XLT4™		19 X 7 XIP®		8 X 25 XIP®	
	Approx. wt./ft. (lb.)	Minimum breaking force (tons of 2,000 lb.)*	Approx. wt./ft. (lb.)	Minimum breaking force (tons of 2,000 lb.)	Approx. wt./ft. (lb.)	Minimum breaking force (tons of 2,000 lb.)*	Approx. wt./ft. (lb.)	Minimum breaking force (tons of 2,000 lb.)*
3/16					0.064	1.57		
1/4					0.113	2.77		
5/16					0.177	4.30	0.18	4.63
3/8					0.25	6.15	0.26	6.63
7/16	0.43	11.2			0.35	8.33	0.36	8.97
1/2	0.49	14.6	0.51	17.7	0.45	10.8	0.47	11.6
9/16	0.65	18.5	0.65	22.3	0.58	13.6	0.60	14.7
5/8	0.78	22.7	0.79	27.4	0.71	16.8	0.73	18.1
3/4	1.16	32.4	1.1	39.2	1.02	24.0	1.06	25.9
7/8	1.58	43.8	1.5	53	1.39	32.5	1.44	35.0
1	2.05	56.9	2.1	68.9	1.82	42.2	1.88	45.5
1 1/8	2.57	71.5	2.6	86.7	2.30	53.1	2.39	57.3
1 1/4					2.83	65.1	2.94	70.5
1 3/8					3.43	78.4	3.56	84.9
1 1/2					4.08	92.8	4.24	100

* The minimum breaking force applies only when a test is conducted with both ends fixed. When in use, the minimum breaking force of these ropes may be significantly reduced if one end is free to rotate.