

Typical Rigging Breaking Loads[‡]

Type 316 1 x 19 (25) Compacted Strand, example Dyform [®] wire rigging						Type 316 1 x 19* Stainless Wire Rope						Nitronic [®] 50 Stainless Rod Rigging, example Navtec [®]				Dacron [®] Double Braid Rope						Vectran [®] Core Rope w/Dacron Cover [‡]			
Breaking load		Size		Breaking load		Size		Breaking load		Size		Breaking load		Size		Breaking load		Size		Breaking load		Size		Breaking load	
in	lb	kg	mm	lb	kg	in	lb	kg	in	lb	kg	-	in	mm	lb	kg	in	lb	kg	mm	lb	kg	in	lb	kg
3/16	4928	2235	5	5380	2440	3/16	3960	1800	3/8	14500	6580	-4	0.172	4.37	4700	2130	1/4	1800	815	6	1800	815	3/16	634	288
1/4	8844	4011	6	7828	3550	7/32	5445	2470	1/2	25680	11650	-6	0.198	5.03	6300	2860	3/16	2800	1270	7	2800	1270	1/4	1179	535
9/32	10802	4899	7	10827	4910	1/4	7090	3220	—	—	—	-8	0.225	5.72	8200	3720	3/8	3750	1700	9	3750	1700	3/16	1677	761
5/16	13530	6136	8	13561	6150	Type 302 1 X 19* Stainless Wire Rope						-10	0.250	6.35	10300	4670	7/16	5500	2490	11	5500	2490	3/8	2630	1193
3/8	19272	8740	10	21544	9770	in	lb	kg	in	lb	kg	-12	0.281	7.14	12500	5670	1/2	7000	3175	12	7000	3175	7/16	3174	1439
7/16	26620	12072	11	26620	12072	1/16	500	227	9/32	10300	4671	-15	0.296	7.52	14250	6460	9/16	10000	4535	14	10000	4535	1/2	3809	1727
1/2	34833	15797	14	42460	19256	3/32	1200	544	5/16	12500	5669	-17	0.33	8.38	17500	7940	5/8	14000	6350	15	14000	6350	V12 Vectran		
9/16	42460	19256	16	56320	25541	1/8	2100	952	3/8	17500	7936	-22	0.375	9.53	22500	10200	3/4	16000	7250	19	16000	7250	in	lb	kg
5/8	56320	25541	19	70400	31926	5/32	3300	1497	7/16	23400	10612	-30	0.437	11.1	30000	13600	7/8	25000	11340	22	25000	11340	1/8	2000	907
3/4	70400	31926	—	—	—	3/16	4700	2131	1/2	29700	13469	-40	0.500	12.7	38000	17200	100% Spectra[®]/Dyneema[®] Core Rope w/Dacron Cover					5/32	3500	1587	
Type 316 1 x 19** Stainless Wire Rope						7/32	6300	2857	9/16	36500	16553	-48	0.562	14.27	48000	21800	Breaking load			3/16	4750	2154			
mm	lb	kg	mm	lb	kg	1/4	8200	3719	5/8	44000	19954	-60	0.660	16.76	60000	27200	in	lb	kg				1/4	7800	3537
2	706	320	9	12944	5870	Type 316 7 x 19** Stainless Wire Rope						-76	0.705	17.91	76000	34500	1/4	5100	2313				3/16	11500	5215
2.5	1103	500	9.53	14509	6580	in	lb	kg	mm	lb	kg	-91	0.768	19.51	90000	40800	5/16	6200	2812				3/8	16800	7618
3	1588	720	10	15987	7250	3/16	2830	1285	3	1120	510	-115	0.875	22.23	115000	52200	3/8	9800	4444				S12 Spectra		
4	2822	1280	11	19338	8770	7/32	3865	1750	4	2130	970	-150	1.000	25.40	150000	68000	7/16	14000	6349				in	lb	kg
4.76	3969	1800	12	22933	10400	1/4	5040	2280	5	3130	1420	-170	1.066	27.08	170000	77100	1/2	21000	9524				1/8	2100	952
5	4410	2000	12.7	25689	11650	3/8	11350	5150	6 (-8)	4490	2040	-195	1.125	28.58	190000	86200						5/32	—	—	
5.56	5447	2470	14	31268	14180	1/2	20165	9140	7 (-12)	6120	2780	-220	1.191	30.25	217000	98400						3/16	5800	2630	
6	6351	2880	16	40926	18560	—	—	—	8	8000	3630	-260	1.313	33.35	260000	118000						1/4	9800	4443	
6.35	7100	3220	19	47674	21620	—	—	—	10	12500	5670	-320	1.500	38.10	320000	145000						5/16	13300	6032	
7	7828	3550	22	64101	29070	—	—	—	12	17990	8160												3/8	19000	8617
8	10232	4640	26	89526	40600	—	—	—	14	24470	11100														
						—	—	—	16	29980	13600														

*Typical American wire. **Typical European wire. ‡Breaking load may vary widely by manufacturer.

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