

Typical Rigging Breaking Strengths[§]

Type 302 1 x 19* Stainless Wire Rope						Nitronic® 50 (22-13-5) Stainless Rod Rigging						Type 316 1 x 19** Stainless Wire Rope						Dacron® Double Braid Rope						Technora® Core Rope w/Dacron® Cover [§]					
Size		Breaking Strength		Size		Breaking Strength		Size		Breaking Strength		Size		Breaking Strength		Size		Breaking Strength		Size		Breaking Strength		Size		Breaking Strength			
in	lb	kg	in	lb	kg	lb	kg	mm	lb	kg	mm	lb	kg	mm	lb	kg	in	lb	kg	mm	lb	kg	in	lb	kg	mm	lb	kg	
1/16	500	227	9/32	10300	4671	-4	4700	2136	3.5	3202	1452	2	706	320	9	12944	5870	1/4	1800	815	6	2360	1070	3/32	850	385	2	850	385
3/32	1200	544	5/16	12500	5669	-6	6300	2864	4	4101	1860	2.5	1103	500	9.53	14509	6580	5/16	2800	1270	8	4012	1820	1/8	1650	748	3	1650	748
1/8	2100	952	3/8	17500	7936	-8	8200	3727	4.5 (-4)	5006	2270	3	1588	720	10	15987	7250	3/8	3750	1700	9	4960	2250	5/32	2400	1088	4	2400	1088
5/32	3300	1497	7/16	23400	10612	-10	10300	4682	5 (-6)	5998	2720	4	2822	1280	11	19338	8770	7/16	5500	2490	10	7030	3190	3/16	3100	1406	5	3100	1406
3/16	4700	2131	1/2	29700	13469	-12	12500	5682	5.5	7100	3220	4.76	3969	1800	12	22933	10400	1/2	7000	3175	12	9520	4320	1/4	5150	2335	6	5150	2335
7/32	6300	2857	9/16	36500	16553	-17	17500	7955	6 (-8)	8600	3900	5	4410	2000	12.7	25689	11650	9/16	10000	4535	14	13160	5970	5/16	7800	3537	8	7800	3537
1/4	8200	3719	5/8	44000	19954	-22	22500	10227	6.5 (-10)	9923	4500	5.56	5447	2470	14	31268	14180	5/8	14000	6350	16	17285	7840	3/8	10750	4875	9	10750	4875
Type 302 7 x 19* Stainless Wire Rope						-30	30000	13636	7 (-12)	11797	5350	6	6351	2880	16	40926	18560	3/4	16000	7250	18.03	19930	9040	7/16	14000	6350	10	14000	6350
in	lb	kg	in	lb	kg	-40	38000	17273	7.5	14112	6400	6.35	7100	3220	19	47674	21620	7/8	25000	11340	20.6	22460	10190	1/2	20400	9251	12	20400	9251
1/16	500	225	1/4	6400	2900	-48	46000	20909	8	16207	7350	7	7828	3550	22	64101	29070	100% Spectra® Core Rope w/Dacron® Cover						9/16	22000	9977	14	22000	9977
3/32	920	475	9/32	7800	3530	-60	59000	26818	8.5 (-17)	17641	8000	8	10232	4640	26	89526	40600	in	lb	kg	mm	lb	kg	5/8	35000	15873	16	35000	15873
1/8	1760	790	5/16	9000	4080	-76	76000	34545	9	19846	9000	Type 316 1 x 19* Stainless Wire Rope						3/16	1600	726	2	360	163	High Modulus Kevlar® Cable[§]					
5/32	2400	1080	3/8	12000	5440	-91	90000	40909	9.5 (-22)	21499	9750	in	lb	kg	in	lb	kg	1/4	4300	1950	3	540	244	Cover Ø	Breaking Strength	Cover Ø	Breaking Strength		
3/16	3700	1670	7/16	16300	7390	-115	117000	53182	11.1 (-30)	29989	13600	3/16	3960	1800	3/8	14500	6580	5/16	7400	3355	4	1300	590	mm	lb	kg	mm	lb	kg
7/32	5000	2260	1/2	22800	10340	—	—	—	12.7 (-40)	35943	16300	7/32	5445	2470	1/2	25680	11650	3/8	9500	4300	5	2180	989	5.7	2205	1000	13.3	19850	9000
Type 316 1 x 19 Dyform® Stainless Wire Rigging						—	—	—	14.3 (-48)	46086	20900	1/4	7090	3220	—	—	—	7/16	11500	5210	6	3300	1500	6.6	3310	1500	15.5	26450	12000
in	lb	kg	mm	lb	kg	—	—	—	16.75 (-60)	59096	26800	Type 316 7 x 19** Stainless Wire Rope						1/2	16000	7250	8	6590	2990	7.5	5070	2300	16.8	33070	15000
3/16	4928	2235	5	5380	2440	—	—	—	18.03 (-66)	65050	29500	in	lb	kg	mm	lb	kg	9/16	22000	9980	10	9130	4140	8.6	6615	3000	19.5	44095	20000
1/4	8844	4011	6	7828	3550	—	—	—	20.6	74972	34000	3/16	2830	1285	3	1120	510	5/8	27000	12250	12	11860	5380	10.3	11025	5000	22	55115	25000
9/32	10802	4899	7	10827	4910	—	—	—	22.73 (-90)	89966	40800	7/32	3865	1750	4	2130	970	3/4	37000	16780	14	16000	7250	12.5	15430	7000	25.2	68350	31000
5/16	13530	6136	8	13561	6150	Type 316 1 x 7 Dyform® Stainless Wire Rigging						1/4	5040	2280	5	3130	1420	7/8	50000	22680	22	38000	17235						
3/8	19272	8740	10	21544	9770	mm	lb	kg	mm	lb	kg	3/8	11350	5150	6 (-8)	4490	2040	1	60000	27215	—	—	—						
7/16	26620	12072	11	26620	12072	2.5	1518	690	3.5	2975	1350	1/2	20165	9140	7 (-12)	6120	2780												
1/2	34833	15797	14	42460	19256	3	2200	1000	4	3925	1780																		
9/16	42460	19256	16	56320	25541																								
5/8	56320	25541	19	70400	31926																								
3/4	70400	31926	—	—	—																								
												—	—	—	8	8000	3630												
												—	—	—	10	12500	5670												
												—	—	—	12	17990	8160												
												—	—	—	14	24470	11100												
												—	—	—	16	29980	13600												

*Typical American wire **Typical European wire §Breaking strength may vary widely by manufacturer