

## Section B29 Wire & Rope

Advances in rope technology have resulted in high-quality ropes taking the role of wire for many applications, especially in situations where flexibility is required. Allyacht Spars Australia currently uses just two types of rigging wire (see below) and supplies a range of rope to suit all yachting requirements.

### B29.1 Stainless Steel Wire 1x19 316

The standard rigging wire is 1x19 316 Stainless Steel Wire which is suitable for all static applications such as yacht rigging and architectural balustrading. Specifications provided below are taken from the latest catalogue provided by the supplier at the time of this Update.

DIAMETER (mm)	PART NO.	BREAKING LOAD		WEIGHT (kg/100m)	USUAL PIN SIZE	
		(kN)	(kg)		(in)	(mm)
2.5	RW1.02.5	4.90	500	3.05	3/16	4.8
3	RW1.03		720	4.39	¼	6.4
4	RW1.04		1285	7.81	¼	6.4
5	RW1.05		2000		3/8	9.5
6	RW1.06		2876		½	12.7
7	RW1.07		3549		½	12.7
8	RW1.08		4640		½	12.7
10	RW1.10		7250		5/8	15.9
12	RW1.12		10401		¾	19.0
14	RW1.14		14174		7/8	22.2
16	RW1.16		18559		1	25.4

### B29.2 Compak Stainless Steel Wire

A high-quality alternative is Compak (similar to Dyform) which has a greater breaking load and lower stretch for any given wire size due to its structure utilising compacted strands. Specifications provided below are taken from the latest catalogue provided by the supplier at the time of this Update.

DIAMETER (mm)	PART NO.	BREAKING LOAD		WEIGHT (kg/100m)	USUAL PIN SIZE		
		(kN)	(kg)		(in)	(mm)	
2.5	RWD.DK.02.5	6.77	690	3.40	3/16	4.8	
3	RWD.DK.03	9.81	1000	4.90	¼	6.4	
3.5	RWD.DK.03.5	13.24	1350	6.70	¼	6.4	
4	RWD.DK.04	17.46	1800	8.80	5/16	7.9	
5	RWD.DK.05	23.93	2440	13.50	3/8	9.5	
6	RWD.DK.06	34.81	3550	19.40	½	12.7	
7	RWD.DK.07	48.15	4910	26.00	½	12.7	
8	RWD.DK.08	60.31	6150	34.50	5/8	15.9	
10	RWD.DK.10	95.81	9770	54.00	5/8	15.9	
12	RWD.DK.12	141.22	14400	80.70	¾	19.0	
14	RWD.DK.14	189.28	19300	115.00	7/8	22.2	
16	RWD.DK.16	251.06	25600	147.00	1	25.4	

### B29.3 Rope

Allyacht Spars Australia supplies a range of yachting ropes to suit all requirements. The most common are double braid and Spectra/Dyneema, but lines comprising other exotic fibres are also available upon request. Please contact an Allyacht Spars representative for assistance in selecting lines to meet your needs.