

SAILSetc rigging guide

wires, lines, rigging screws, bowsies and blocks - their suitability for common classes of rc yacht

standing rigging - general principles

use only wire

flexible 7 strand wires are to be preferred over single strand wires as their flexibility lets them lay straighter and helps avoid damage

contrary to expectations the stretch of the SAILSetc flexible wires is less for a given diameter than single strand wire

Two straightened wires - WS045 and WS060 - are introduced in late 2015

running rigging - general principles

use only Dyneema

use the smallest plastic bowsie possible on any given line for the best grip

smaller classes	RG65 boats under 800 mm LOA	36/600 36R boats under 1000 mm LOA	US 1M IOM boats under 1200 mm LOA
item			
rigging screw	30-020	30-030, 30-030SL	30-030, 30-030SL, 31S
shrouds	-	W045, WS045, WS060, W060, WFLAT	W045, WS045, WS060, W060, WFLAT
forestay	WS045, W045	W045, WS045, WS060, W060	W045, WS045, WS060, W060
backstay	WS045, W045	W045, WS045, WS060, W060, WFLAT	W045, WS045, WS060, W060, WFLAT
headsail boom topping lift	D30	W045, WS045, WFLAT	W045, WS045, WFLAT
winch control line	D30	D50	D75
main sheet	D30	D50, D30	D50
headsail boom sheet	-	D30	D30
adjustments to forestay & backstay	D30	D50	D50
Cunningham lines	-	D30	D30
bowsies for backstay and forestay	57X	57C	57C
bowsies for other control lines	57X	57X, 57C	57X, 57C
block for main winch control line	61-008	61-008, 61-010	61-010
blocks, other	61-008	61-008	61-008
hooks for shroud, backstay & forestay	W100	W120	W120, W140, W150
hooks for shroud, backstay & forestay	-	87B, 87G	87B, 87G

hooks, other	W100	87B, W100, W120	87B, W120
larger classes	M 10R 6M AC/15	A AC/12 boats under 20 kgs	A AC/10 boats under 30 kgs
item	boats under 12 kgs		
rigging screw	30-030, 30-030SL, 30-035, 31S	30-035, 31S	-
shrouds	WS060, W060, W075, W080, WFLAT	W075, W080	-
forestay	WS060, W060	W075	-
backstay	WS060, W060, W075, WFLAT	W075, W080, WFLAT	W075, W080
headsail boom topping lift	W045, W060, WS045, WS060, WFLAT	WS060, W060, WFLAT	WS060, W060, W075
winch control line	D75, D110	D110	-
main sheet	D50, D75	D75	D110
headsail boom sheet	D30, D50	D50	D75
adjustments to forestay & backstay	D50, D75	D75, D110	D110
Cunningham lines	D30	D50, D75	D75
bowsies for backstay and forestay	57C, 57B	57B	57B
bowsies for other control lines	57X, 57C	57C	57B
block for main winch control line	61-010	61-013	61-013
blocks, other	61-008, 61-010	61-010	61-010
hooks for shroud, backstay & forestay	W140, W150	W180	-
hooks for shroud, backstay & forestay	87G	87H	-
hooks, other	87B, W120	W150	W150, W180
code	description		unit quantity - metres
W045	0.45 mm diameter x seven strand wire		10
W065	0.60 mm diameter x seven strand wire		10
W075	0.75 mm diameter x seven strand wire		10
WS045	0.45 mm diameter straight single strand wire		2, 10, 20
WS060	0.60 mm diameter straight single strand wire		2, 10, 20
W055	0.55 mm diameter x single strand wire		10
W080	0.80 mm diameter x single strand wire		10
WFLAT	0.9 mm x 0.25 mm single strand flat wire		10

W100	1.0 mm diameter straight wire	0.3
W120	1.2 mm diameter straight wire	0.3
W140	1.4 mm diameter straight wire	0.3
W150	1.5 mm diameter straight wire	0.3
W180	1.8 mm diameter straight wire	0.3
D30	30 kg breaking strain braided Dyneema	20 & 90
D50	50 kg breaking strain braided Dyneema	20 & 90
D75	75 kg breaking strain braided Dyneema	20 & 90
D110	110 kg breaking strain braided Dyneema	20