

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

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

alternatively use STRAIGHT wire designated by the suffix ST

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

running rigging - general principles

use only Dyneema

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

smaller classes	65 Class, RG65, DF Classes boats under 800 mm LOA	36/600 36R boats under 1000 mm LOA	US 1M IOM boats under 1200 mm LOA
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item

rigging wires and trim lines

shrouds	-	W045, W045ST, W060, W060ST, WFLA	W060, W060ST, WFLAT
forestay	W045	W045, W045ST, W060, W060ST	W060
backstay	W045	W045, W045ST, W060, W060ST, WFLA	W060, W060ST, WFLAT
headsail boom topping lift	D15, D25	W045, W045ST, WFLAT	W060, W060ST, WFLAT
adjustments to forestay & backstay	D35	D55	D55, D75
Cunningham lines	-	D35	D35

sheets and winch lines

winch control line	D25, D35	D55	D75
main sheet	D15, D25, D35	D25, D35, D55	D35, D55
headsail boom sheet	D15, D25	D25, D35	D25, D35

terminations & adjustments

rigging screw	030-020SL	030-030SL	030-030SL, 031S
bowsies for backstay and forestay	057X, 057-100	057-100, 057-120	057-100, 57-120
bowsies for other control lines	057X, 057-080, 057-100	057X, 057-100, 057-120	057X, 057-100, 057-120
block for main winch control line	061-008, 062-007	061-008, 061-010, 062-007, 062-010	061-008, 061-010, 062-007, 062-010
blocks, other	061-004, 061-006, 061-008	061-008, 062-007	061-008, 062-007
wire for hooks for shrouds & forestay	W100	W120	W120, W140, W150
wire for hooks, other	W100	W100, W120	W120
hooks for shrouds & forestay	-	087B, 087G	087G
hooks, other	-	087B, 087G, 087-018, 087-025	087B, 087G, 087-018, 087-025

other

headsail boom swivel	120-050, 120-060, 121-007	120-100, 120-110, 120D, 121-125	120-100, 120-110, 120D, 121-125
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larger classes

	M	A	A
	10R	AC/12	AC/10
	6M	boats 12-20 kgs	boats 20-30 kgs
	AC/15		
item	boats under 12 kgs		

rigging wires and trim lines

shrouds	W060, W060ST, W075, WFLAT	W075	-
forestay	W060	W075	-
backstay	W060, W060ST, WFLAT	W075, WFLAT	W075
headsail boom topping lift	W045, W060, W060ST, WFLAT	W060, W060ST, WFLAT	W060, W060ST, WFLAT
adjustments to forestay & backstay	D55, D75, D100	D75, D100	D100
Cunningham lines	D35	D55, D75	D75

sheets and winch lines

winch control line	D75	D100	D100
main sheet	D35, D55	D75	D100
headsail boom sheet	D25, D35, D55	D55	D55, D75

terminations & adjustments

rigging screw	030-030SL, 030-035SL, 031S	030-035SL, 031S, 030-040SL	030-040SL
bowsies for backstay and forestay	057-120, 057-150	057-150	057-150
bowsies for other control lines	057X, 057-120	057-120	057-150
block for main winch control line	061-010, 062-010	061-013	061-013
blocks, other	061-008, 061-010, 062-010	061-010, 062-010	061-010, 062-010
wire for hooks for shrouds & forestay	W140, W150	W180	W200
wire for hooks, other	W120	W150	W150, W180
hooks for shrouds & forestay	087G, 087H	087H	087H
hooks, other	087B, 087G, 087-018, 087-025	087G, 087H, 087-018, 087-025	087H, 087-025

other

headsail boom swivel	120-100, 120-110, 120D, 120-120, 12 120-120, 120-140	120-140
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SAILSetc product code	product description	unit quantity - metres
W045ST	0.45 mm diameter straight single strand wire	2, 10 or 20
W060ST	0.60 mm diameter straight single strand wire	2, 10 or 20
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
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
W200	2.0 mm diameter straight wire	0.125
D15	15 kg breaking strain braided Dyneema	20 or 140
D25	25 kg breaking strain braided Dyneema	20 or 100
D35	35 kg breaking strain braided Dyneema	20 or 100
D55	55 kg breaking strain braided Dyneema	20 or 100
D75	75 kg breaking strain braided Dyneema	20 or 100
D100	100 kg breaking strain braided Dyneema	20