

Spitfire Ropes and Rigging Guide

Version 2
September 2015

Notes:

1. **Diameters are the minimum allowed by the Class Rules**
2. **Lengths are for guidance only, based on original, standard rigging systems**
3. **Rope materials are recommendations for performance and durability**
4. **Standing rigging materials are class rule requirements**
5. **Standing rigging lengths are measured "pull to pull" between bearing surfaces**

Item	Recommended Material	Example product	Minimum Diameter (mm)	Length (for guidance) (m)
Running Rigging				
Boom Outhaul (outboard end)	Dynema core rope	Marlow Excel race	5	0.76
Boom Outhaul (inside, to the cleat)	Pre- stretched multi-plait rope		5	0.97
Boom gooseneck shock cord	Shock cord		5	0.45
Centre Board handles	Rope	Marlow Excel pro	6	0.55
Forestay adjuster line	Dynema core rope	Marlow Excel race	3	1.2
Jib Halyard block tie	Dynema core rope	Marlow Excel race	2	0.4
Jib Downhaul	Dynema core rope	Marlow Excel race	4	3.2
Jib Halyard (x2 for ring & hook system)	Rope	Marlow Excel pro	2	6 x 2
Jib Sheet	Sheet rope	Kingfisher Evo Sheet Maffioli Swiftcord	6 (7 is usual)	9
Jib Strop	Dynema core rope	Marlow Excel race	5	1.1
Main Downhaul (for standard purchase)	Dynema core rope	Marlow Excel race	5	7.3
Main Downhaul (Fixed strops)	Dynema core rope	Marlow Excel race	5	0.98
Main Halyard	Rope	Marlow Excel pro	5	17.2
Main Sheet	Dyneema/ Polyester rope	Maffioli Swiftcord	8	8
Main Sheet Strop	Dynema core rope	Marlow Excel race	6	1
Righting Line	Multi-plait Rope		9	4
Rotation Control	Dynema core rope	Marlow Excel race	5	5.5
Rotation Spanner Shock cord	Shock cord		3	1

Spinnaker Block Mast (hold in around the mast)	Dynema core rope	Marlow Excel race	4	0.5
Spinnaker Block Mast (Height line up to the eye)	Dynema core rope	Marlow Excel race	4	0.8
Spinnaker Halyard	Dynema core rope	Marlow Excel race Kingfisher Evo Race	4	22
Spinnaker Tack line	Dynema core rope	Marlow Excel race	4	6.6 5?
Spinnaker Pole end Ropes	Dynema core rope or D12	Marlow Excel race or D12	5 or 4mm D12	2.17
Spinnaker Pole mid ropes	Dynema core rope or D12	Marlow Excel race or D12	3 or 2mm D12	1.5
Spinnaker Sheet	Sheet rope	Kingfisher Evo Sheet Maffioli Swiftcord	6 (7 is usual)	13.25
Trampoline shock cords	Shock cord		3	0.2
Trampoline lacing line	Dynema core rope	Marlow Excel race	4	4
Trapeze shock cord	Shock cord		5	2.15
Trapeze adjuster line	Multi-platt rope or Dyneema core rope	Marlow Excel race	6	0.95
Traveller Control	Sheet rope	Marlow Excel pro Kingfisher Evo Sheet	8	2.5
Standing Rigging	Required Material (Class rules)		Minimum Diameter (mm)	Length (m)
Bridle wires	1x19 wire		3	1.56 1.58?
Forestay	1x19 wire		3	5.415 5.40?
Shrouds	Dyform wire or 1/19 wire		3.5 (Dyform) 4 (1x19)	6.313 6.34?
Diamonds	1x19 wire		3	5.235
Trapeze wires	1x19 wire		2	5.79 5.76?
Dyneema Trapeze lines - (Optional)	D12 Dyneema		2.5	5.79 5.76?