Suggested Tools and spares

The following is provided as a guide, the actual list for your boat will depend on the type of boat, engine, rigging, plumbing, electrical system and other equipment you have as well as your appetite for risk management.

Mechanical

Item	*Tools*	*Spares*
Engine and sail drive maintenance – belts, filters, impellor etc	• Set of good quality ring spanners, ideally double up on common ones like 10,12 and 13mm • Good quality Socket set with long extn & uni joint • Allen keys and/or Torx bits (to suit) • Screwdriver set • Plyer set • Vice grips various sizes • Multi grips • Razor blade scraper • Engine manual • 12v cooling fan & 12v lead	• Engine oil 5L • Coolant 1L • Impellor kit x2 • Belts to suit • Hoses to suit incl an extra length of fuel hose • Hose clamps • Filters to suit (double up) • Roll of gasket paper • RTV gasket tube • Possibly spare Thermostat, alternator, starter motor, lift pump, radiator cap • Full 20L jerry of diesel (all sorts of reasons)
Electrical maintenance – charging system, general 12v, instruments	• Multi meter • Snips (large and small) • Crimping tool • Micro screw drivers • Soldering iron (ideally butane) and solder • Heat gun	• Spare NMEA2000 lead, tee connector and end cap • Spare mast head unit, autohelm ram and controller/display • Wire (tinned copper) of various gauges and lengths • Fuses of various sizes (to suit) plus spare fuse holders and relays • Various crimp terminals • Screw terminal blocks • Light bulbs to suit • 2x Electrical tape • Cable ties of various thicknesses and lengths

		• Heat shrink of various diameters • Two pre terminated battery cables • Possibly a 12v jump pack
Plumbing maintenance – Pumps, drains, toilet	• Sharp knife • Metho	• Hose of various thickness and lengths to suit • Hose clamps to suit and/or pressure fittings if you have those • Teflon tape • Toilet rebuild kit to suit • Possibly a spare 12v water pressure pump with fittings to suit • Spare bilge pump • Possibly a spare gas regulator and hose
Hull repairs	• Mask, snorkel, fins • Disposable gloves • Containers • Brushes and small rollers • Hand saw • Hammer • Battery drill and drill bits • Battery grinder with cutting and grinding discs, leather gloves and goggles/safety glasses • Disposable overalls	• Basic fibreglass repair kit (chopped strand, fibreglass, carbon or kevlar matting, epoxy resin, hardener) • Marine ply various shapes and lengths • Right angle brackets • Screws (stainless), bolts and large washers various lengths and widths • Emergency tiller system
Rigging maintenance – Stays, ropes, jammers (includes steering)	• Quality climbing harness and hanging tool bag • Winch and jammer schematics • Container and kero for winch cleaning • Paper towel and rags • 2 large shifters • Splicing tools (fids, twine, needles, scissors, knife) • If you cant splice – “how to” videos/guide docs • Plumb bob and mousing line • Small cable ties to secure shackle pins	• Spare pre-made Halyard, Jib and Spinnaker sheets • Spare winch handles and sail ties • Springs, palls etc to suit winches • Grease suitable for winches • Spare Jammer and/or jammer spares • Sikaflex tube • Rigging pins, split pins, tie wire as required • Shackles of various sizes (pins with holes) • Spare main cars/sliders to suit

	• A system to externally hang a pully at top of mast ?	• Sheet clips of various sizes to suit your boat • Spare un spliced rope of various lengths and sizes • Roll of Dynema (to double up rigging if rigging fails) • Spare steering cables and chain (to suit) • Hydraulic fluid to suit autohelm
Sail maintenance – Main, jib(s), Spinnakers	• Batten pusher to suit • Hacksaw & spare blades • File • Metho and paper towel • Sail repair kit with various sizes and thicknesses of sail material, webbing and sticky back • Further to splicing tools (above) – additional various sized needles, waxed thread, spike, hand protection (palm), scissors, knife, double sided tape), texta, lighter • Flat timber to work on (could be part of the boat)	• Further to above various bolts, large washers, sika • Various lengths of battens to suit your sails • Various sizes of spare pulley blocks, low friction rings and dynema strops/soft shackles • Spare/delivery main
General	• WD40, Lanox and Silicon spray cans • Sand paper • Acetone • Rags • Duralac • Tape measure	• Grey tape, duct tape, self amalgamating tape, double sided tape • Araldite and Supa glue • Stainless bolts, nuts, washers and screws of various sizes • Chemiweld