













































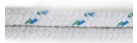



















GIS Hardware				
	QTY	PICTURES	INSTALLATION NOTES	UOM
<input type="checkbox"/>	1		Choose style of oarlock, open horn or closed, oval (stores on oar)	pr
<input type="checkbox"/>	12		oarlock/gear lanyards [1]	ft
<input type="checkbox"/>	1		mount on gunwales	pr
<input type="checkbox"/>	4		oarlock sockets	ea
<input type="checkbox"/>	3		oarlock lanyards, trunk bungee	pr
<input type="checkbox"/>	1		drain plug	ea
<input type="checkbox"/>	3		gbd drain	ea
<input type="checkbox"/>	1		bow eye [2]	pr
<input type="checkbox"/>	2		bow eye (not suitable for towing)	ea
<input type="checkbox"/>	2		fairlead on boom (outhaul)	ea
<input type="checkbox"/>	1		Middle frame to aft end of trunk [3]	ea
<input type="checkbox"/>	6		Frameheads	ea
<input type="checkbox"/>	2		rudder-to-tiller stock (aft)	ea
<input type="checkbox"/>	2		Rudder-to-tiller stock (fore) [4]	ea
<input type="checkbox"/>	4		goes with #10 machine screws [5]	ea
<input type="checkbox"/>	4		tiller-to-rudder stock	ea
<input type="checkbox"/>	3		cut to 3' stem band [6]	ft
<input type="checkbox"/>	15		half-oval screws [7]	ea
<input type="checkbox"/>	2		fore and aft seat tops	ea
<input type="checkbox"/>	2		transom gudgeons	ea
<input type="checkbox"/>	2		rudder gudgeons	ea
<input type="checkbox"/>	1	[8]	rudder rod, cut to 9" and drill/thread ends [9]	ft
<input type="checkbox"/>	2		rudder rod keepers, drill 1/8" hole in ends of rod	ea

<input type="checkbox"/>	2		for connecting bungees	ea
<input type="checkbox"/>	4		Rudder Gudgeons	ea
<input type="checkbox"/>	8		Transom gudgeons (4), downhaul fittings (4)	ea
<input type="checkbox"/>	2		Masthead fairlead (RF59)	ea
<input type="checkbox"/>	14		goes with #10 machine screws	ea
<input type="checkbox"/>	14		goes with #10 machine screws	ea
<input type="checkbox"/>	1		use on mainsheet bridle	ea
<input type="checkbox"/>	2		mainsheet blocks (2 lashed to boom) [10]	ea
<input type="checkbox"/>	1		block on aft bridle/mainsheet traveller	ea
<input type="checkbox"/>	1		halyard, lashed to yard [11]	ea
<input type="checkbox"/>	2		halyard fitting at masthead, downhaul (bolted) [12]	ea
<input type="checkbox"/>	1		quick release pin for pivoting tiller	ea
<input type="checkbox"/>	1		tiller pivot bolt	ea
<input type="checkbox"/>	1		for tiller pivot bolt	ea
<input type="checkbox"/>	1		for tiller pivot bolt	ea
<input type="checkbox"/>	1		reef hook for tack, lashed to boom	ea
<input type="checkbox"/>	1		downhaul, lashed to boom [13]	ea
<input type="checkbox"/>	1		boom outhaul	ea
<input type="checkbox"/>	1		downhaul lead to cam cleat	ea
<input type="checkbox"/>	1		downhaul cam cleat, screwed to deck edge [14]	ea
<input type="checkbox"/>	1		eye strap for downhaul cam cleat	ea
<input type="checkbox"/>	2		screws for outhaul fairlead	ea

<input type="checkbox"/>	2		screws for Sm cam cleat for downhaul	ea
<input type="checkbox"/>	1		outhaul/reef line req. 3/4" SS screws	ea
<input type="checkbox"/>	1		mainsheet (upgrade to a ratchet block) [15]	ea
<input type="checkbox"/>	1		halyard [16]	ea
<input type="checkbox"/>	2		fastens outhaul clam cleat	ea
<input type="checkbox"/>	2		fastens 4" mainsheet cleat	ea
<input type="checkbox"/>	2		fastens 5" halyard cleat [17]	ea
<input type="checkbox"/>	10		reefing line	ft
<input type="checkbox"/>	45		halyard + bridles	ft
<input type="checkbox"/>	20		downhaul [18]	ft
<input type="checkbox"/>	46		mainsheet	ft
<input type="checkbox"/>	12		rudder, daggerboard retainer	ft
<input type="checkbox"/>	1		bedding	ea
<input type="checkbox"/>	2		shaping board and rudder, not incl. when CNC foils are made	ea
<input type="checkbox"/>	1.5			ea
Add for yawl				
<input type="checkbox"/>	0.5		mizzen mast tie down [19]	pr
<input type="checkbox"/>	2		for Br strap eye	ea
<input type="checkbox"/>	2		mizzen snotter line, tack line	ea
<input type="checkbox"/>	1		press-in fitting for end of boomkin	ea
<input type="checkbox"/>	50		lug and mizzen lacing, lashings [20]	ft
<input type="checkbox"/>	1		mizzen sheet	ea

<input type="checkbox"/>	1		mizzen sheet	ea
<input type="checkbox"/>	2		cam cleat fastened to tank top	ea
<input type="checkbox"/>	4		Mizzen brackett to transom bolts	ea
<input type="checkbox"/>	4		Mizzen brackett to transom bolts	ea
<input type="checkbox"/>	4		Mizzen brackett to transom bolts	ea
<input type="checkbox"/>	1		Mizzen mast	ea
<input type="checkbox"/>	1		Main mast in fwd position	ea
<input type="checkbox"/>				
Upgrades				
<input type="checkbox"/>	1		replaces RF59 at masthead	ea
<input type="checkbox"/>	1		add to downhaul system for 4:1 purchase	ea

- [1] If you ordered oval oarlocks you will not need this, but good to have for lashing gear to boat.
- [2] Use brz screws to fasten
- [3] Aft frame screws go in gunwale by where the bridle ties off.
- [4] For rudder gudgeons, use brass finish washers under head of screw.
- [5] Note that the #10 Bronze mach. screws can be cut to length for each application. Thread the nut into place, then cut with a dremel tool or hacksaw. The bronze material left can be peened over to lock the nut in place, or thread locker can be used, available at hardware store.
- [6] Packed in the pallet with plywood. Can be shipped separate in a 3' shipping tube.
- [7] You will need a very small slotted screw driver (by hand) and a self-centering drill but is very handy for installing these screws.
- [8] Rudder rod needs to be sanded to fit gudgeons
- [9] Rudder rod needs to be sanded to fit gudgeons
- [10] lashes to the boom and bridle
- [11] lashes to the yard
- [12] through bolts to masthead for halyard and tank top for downhaul.
- [13] lashes to the boom
or to deck fairlead when using a double block in the system for a 4:1
- [14] mizzen sheet clamcleat can mount to tiller or tanktop. thorough bolt clam cleat for downhaul with #8 mach screws provided.
- [15] Mainsheet should never be truly cleated off for safety reasons.
This cleat is merely a place to turn the line to take off some tension.
A ratchet block is available as an upgrade to help.
- [16] Be absolutely sure the cleat is mounted so that the screws engage the mast partner core/plug.
- [17] note: for hollow masts it is important to mount this cleat just above the level of the tank top to ensure that the screws engage solid portion of the mast (mast partner plug).
- [18] Plenty of extra provided for leading line aft should you wish to add purchase to downhaul
- [19] Use brz screws to fasten to transom or aft seat
- [20] Not included with kit if you ordered a sail. Sail comes with lacing line and extra.