

Outhaul Systems

Part numbers represent hardware most commonly used.

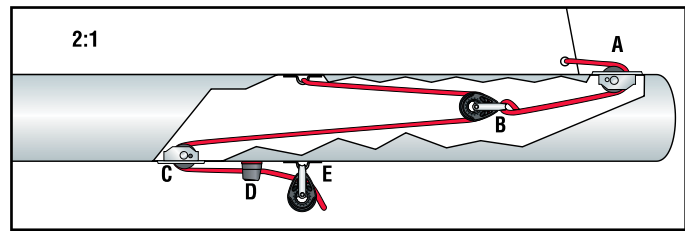
Typical boat length:

Small Boat: 6.7 - 8.5 m (22 - 28')

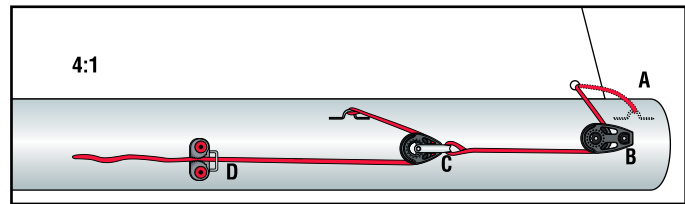
Midrange: 8.8 - 10.4 m (29 - 34')

Big Boat: 10.7 - 12.8 m (35 - 42')

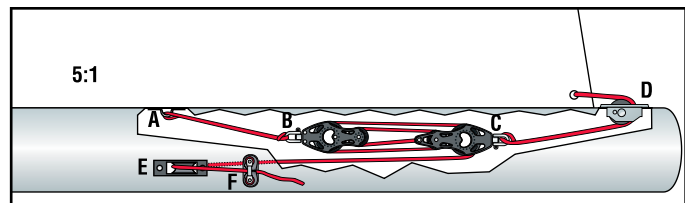
Diagram Ref.	Description	Small Boat Part No.	Midrange Part No.	Big Boat Part No.
2:1 Internal				
A	Through-deck	106	302	306
B	Single	348	2650	2152
C	Through-deck	088	131	046
D	Cam cleat	468	150	150
E	Single	349	2149	2149
4:1 External Cascade				
A	Eyestraps	281	137	1558
B	Cheek	350	2644	2606
C	Single	2146	2148	2152
D	Cam cleat	468	365	150
5:1 Internal				
A	Eyestraps	201	137	1558
B	Fiddle	2655	2621	2690
C	Fiddle	2656	2622	2691
D	Through-deck	302	306	310
E	Through-deck	088	106	106
F	Cam cleat	468	150	150
6:1 Internal				
A	Eyestraps	201	137	1558
B	Double	407	343	2639
C	Triple	408	344	2640
D	Traveler	2727	T2701B	T2701B.HL
E	Through-deck	302	306	310
F	Through-deck	088	106	288
G	Cam cleat	468	150	150
2:1 Furling Main				
A	Clew block	371	6061	6061
B	Traveler	G222B	1648	3076
C	Through-deck	302	306	310



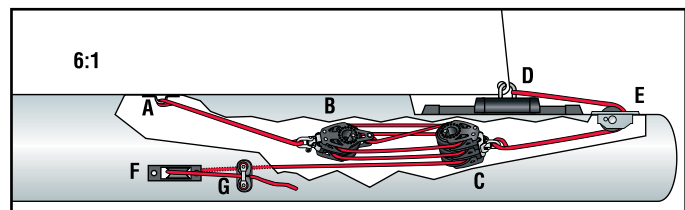
2:1 Internal: Suitable for dinghies or small keelboats. A flexible cable shackles to the sail and enters the boom through a wire block. Placing a block aft of the cleat allows the crew to pull from a variety of positions.



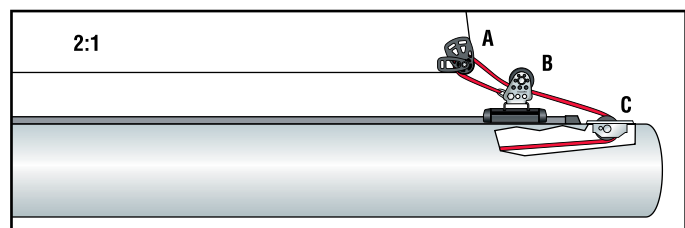
4:1 External Cascade: A simple external outhaul system. A cascade of two 2:1 tackles produces a 4:1 advantage.



5:1 Internal: This 5:1 internal outhaul is popular on small offshore boats.



6:1 Internal: A 6:1 internal outhaul system is popular on small-to-medium-sized offshore boats using a traveler car to carry the clew of the mainsail.



2:1 Furling Main: Mainsails that furl into the mast are loose-footed and usually have a ball bearing outhaul car that rides the length of the boom. The outhaul starts at the car, leads through the clew block on the sail, back to the sheave on the car, and into the boom where it leads to a winch.