

Foil & Rudder Rake Guide

REVISION HISTORY

Rev No.	Issue Date	Reason for Issue
v1.0	13/03/2020	First issue
v1.1	28/07/20	First update

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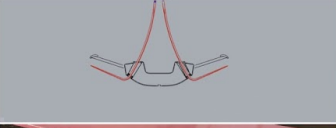


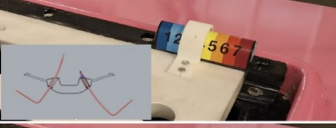

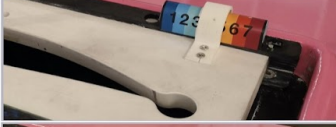
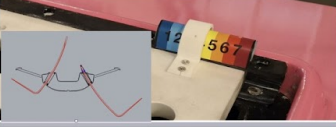


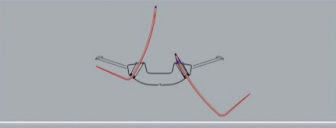







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1. INTRODUCTION

This manual provides some guidance with the aid of pictures on how to trim the main foil and rudder on the 69F in flat water. More variants with the windward foil half or quarter down may be advisable in choppy conditions or for rookie crews. You are invited to read it carefully and familiarise yourself with the boat before sailing. The numbers contained in the tables and pictures are indicative. Sailors should always apply their best judgment whilst sailing.

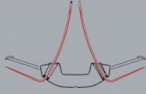

















1. UPWIND

TWS	BS	Leeward Foil	Windward Foil	Rudder				
4/6	5/7	up	up	2*				
6/8	8/10	5+	Half down 5	5+				
9/12	11/14	5	¼ down 4	4/5				
12/15	15/18	4	up	4				
16/19	16/19	3	3	20+	16/22	2	up	1/2
20+	16/22	2	up	1/2				

TWS	BS	Leeward foil	Windward foil	Rudder
4/6	5/7			
6/8	8/10			
9/12	11/14			
12/15	15/18			
16/19	16/19			
20+	16/22			

2. DOWNWIND

TWS	BS	Leeward Foil	Windward Foil	Rudder
4/6	5/7	up	up	2
6/8	8/12	5+	All down 5	5
9/12	13/15	4+	Half down 4	4
12/15	16/23	4	¼ down 3	3
16/19	22/27	3	-	2
20+	28+	2	-	1/2

TWS	BS	Leeward foil	Windward foil	Rudder
4/6	5/7			
6/8	8/12			
9/12	13/15			
12/15	16/23			
16/19	23/27			
20+	28+			

3. UP & DOWN MOVEMENT

The tables below indicate which rake it is easier to pull the board up and down for proper alignment between the top bearing and the mast block.

Please note that the down pull angles may vary depending on the pitch angle of the boat. With a bow down pitch, the numbers listed in the table may generate downward lift which is not wanted.

BS	Up	Down
8/12	3	3
13/16	4	3
17/21	3	3
22+	2	2

