

Selecting the right pole

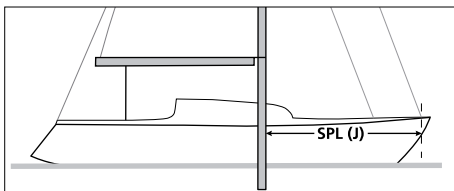
Just look in the appropriate table for your yacht's displacement or righting moment (RM) at 30° heel, then look right for the value exceeding your SPL or J value (shown in the sail plan).

Example: For an aluminium spinnaker pole. Yacht displacement 8.0 tonnes, SPL is 6100 mm. The correct section is 99/99.



Table terminology

RM: Righting moment at 30° of heel.



SPL (J): Maximum spinnaker pole length for your yacht.

A whisker pole should be approximately as long as the foot of the sail you intend to pole out.

Topping lift

When SPL is within 500 mm of a dimension shown in **bold blue**, a bridle topping lift is recommended if downhaul is at outboard end of pole. For 99/99 and larger diameter poles, use outboard end lift only.

Downhaul

Poles should have downhaul attached via a bridle or at outboard end. If a central attachment is desired, the pole diameter must be increased to the next size up.

Aluminium spinnaker pole selection max SPL (mm)

RM 30° kNm	Displ. tonnes	48/48	60/60	72/72*	84/84*	96/96	99/99	111/111	140/140
8	1.6	3000							
10	2.0	2700							
12	2.4	2500	3600						
14	2.8	2400	3500						
16	3.2	2350	3400						
18	3.6	2300	3300						
20	4.0	2250	3200	4650					
25	5.0		3000	4250					
30	5.7		2850	3905	5010				
35	6.3		2730	3720	4710				
40	7.0		2600	3520	4460	5480			
45	7.7			3360	4260	5230			
50	8.2			3220	4080	5010	6530		
55	9.0				3930	4820	6290		
60	10					4660	6070		
70	11					4380	5710	7230	
80	12					4150	5410	6580	
90	14						4950	6540	8110
100	15						4770	6270	7770
110	16						4600	6030	7480
120	18							5830	7230
130	19							5640	7000
140	20							5330	6790
150	22							5190	6600
160	23							4950	6440
180	26							4750	6140
200	28								5890
220	31								5670
240	34								5480

* Max available SPL with composite end fittings, attached to a fixed mast ring. If the pole is to be "Dip Gybe", max available SPL is increased by 165 mm.



Aluminium whisker pole selection max pole length (mm)

RM 30° kNm	Displ. tonnes	48/48	60/60	72/72	84/84	96/96	99/99
12	2.4	3200					
14	2.8	3200					
16	3.2	3200					
18	3.6	3200					
20	4.0	3150	4700				
25	5.0	2800	4700	5240			
30	5.7	2550	4700	5240	5240		
35	6.3		4400	5240	5240		
40	7.0		4100	5210	5240		
45	7.7		3800	4970	5240		
50	8.2		3650	4770	5240	6280	
55	9.0			4590	5240	6280	6530
60	10			4430	5240	6280	6530
70	11				5240	6280	6530
80	12				5010	6140	6530
90	14					5860	6530
100	15						6530
110	16						6530



Downhaul

Poles should have the downhaul attached via a bridle or at the outboard end. If a central attachment is desired, the pole diameter must be increased to the next size up.