

Rocna and Vulcan Anchor Sizing Guidelines



There's a Rocna or Vulcan anchor to suit just about any vessel – including larger sizes not featured here.

To choose the correctly sized Rocna or Vulcan anchor, find your vessel's length from column on the left, then track across that row until you find the first column with a displacement (in tonnes) the same or larger than the displacement of your vessel. The top of the column with the selected displacement indicates the recommended Rocna or Vulcan.

For multihulls: use the chart as instructed, then select the model one size larger.

		ROCNA OR VULCAN MODEL															
		4	6	9 Vulcan only	10 Rocna only	12 Vulcan only	15	20	25	33	40	55	70 Rocna only	110 Rocna only			
Vessel length	4 m 13 ft	≤ 2 t															
	5 m 16 ft	≤ 1 t	≤ 5 t														
	6 m 20 ft	≤ ½ t	≤ 3.5 t	≤ 7 t													
	7 m 23 ft	≤ ½ t	≤ 2 t	≤ 6 t	≤ 7 t	≤ 9 t											
	8 m 26 ft		≤ 1 t	≤ 5 t	≤ 6 t	≤ 8 t	≤ 12 t										
	9 m 30 ft		≤ ½ t	≤ 4 t	≤ 5 t	≤ 7 t	≤ 10 t	≤ 16 t									
	10 m 33 ft			≤ 3 t	≤ 4 t	≤ 6 t	≤ 8.5 t	≤ 14 t	≤ 22 t								
	11 m 36 ft			≤ 2 t	≤ 3 t	≤ 5 t	≤ 7 t	≤ 12 t	≤ 20 t								
	12 m 39 ft					≤ 4 t	≤ 6 t	≤ 10 t	≤ 18 t	≤ 30 t							
	14 m 46 ft						≤ 4 t	≤ 6 t	≤ 13 t	≤ 23 t	≤ 40 t						
	16 m 52 ft							≤ 3 t	≤ 9 t	≤ 18 t	≤ 32 t	≤ 60 t					
	18 m 59 ft								≤ 5 t	≤ 14 t	≤ 25 t	≤ 50 t	≤ 85 t				
	20 m 66 ft									≤ 10 t	≤ 18 t	≤ 40 t	≤ 75 t	≤ 165 t			
	22 m 72 ft									≤ 6 t	≤ 12 t	≤ 33 t	≤ 65 t	≤ 150 t			
	24 m 79 ft										≤ 7 t	≤ 25 t	≤ 55 t	≤ 135 t			
	26 m 85 ft											≤ 18 t	≤ 45 t	≤ 120 t			
	28 m 92 ft												≤ 35 t	≤ 105 t			
30 m 98 ft																Use EN*	
35 m 115 ft																	Use EN*
Anchor weight	4 kg 9 lb	6 kg 13 lb	9 kg 20 lb	10 kg 22 lb	12 kg 27 lb	15 kg 33 lb	20 kg 44 lb	25 kg 55 lb	33 kg 73 lb	40 kg 88 lb	55 kg 121 lb	70 kg 154 lb	110 kg 243 lb				
Rocna fluke area	460 cm ²	590 cm ²	-	795 cm ²	-	1030 cm ²	1140 cm ²	1415 cm ²	1695 cm ²	1945 cm ²	2300 cm ²	2690 cm ²	3330 cm ²				
Vulcan fluke area	420 cm ²	560 cm ²	730 cm ²	-	880 cm ²	1020 cm ²	1240 cm ²	1440 cm ²	1730 cm ²	1970 cm ²	2430 cm ²	-	-				
Recommended G40 chain	6 mm 1/4"	6 mm 1/4"	7 mm 1/4"	7 mm 1/4"	8 mm 5/16"	8 mm 5/16"	9 mm 5/16"	10 mm 3/8"	10 mm 3/8"	11 mm 7/16"	12 mm 7/16"	14 mm 1/2"	16 mm 5/8"				

Vessel displacement units: 1 t (metric tonne) = 2,205 lb

Rocna and Vulcan Anchor Sizing Guidelines

www.rocna.com



There's a Rocna or Vulcan anchor to suit just about any vessel – including larger sizes not featured here.

To choose the correctly sized Rocna or Vulcan anchor for your vessel, follow the chart and instructions on the reverse of this card.

OUR SIZING IS CONSERVATIVE

Unlike other manufacturers, our sizing recommendations are intended to provide an anchor adequate for use in most all conditions. We base our calculations on 50 knots of wind, associated surge, and poor holding bottoms. For more on our philosophy and rationale, please consult the article on the Rocna Knowledge Base:

http://kb.rocna.com/kb/Rocna_sizing_recommendations

THE ROCNA 150 (331 lb) AND LARGER

We do not provide standard recommendations for boats larger than those for which the Rocna 110 (243 lb) would be the recommended size. This is because of increasing complexities of the factors involved. Furthermore, classification society rules and/or legal requirements are likely to dictate the anchor sizes mandated for these vessels.

CLASSIFICATION RULES SIZING FOR LARGER ANCHORS

Rocna anchors from sized 110 kg (243 lb) and above may be sized based on classification society Rules for Ships for SHHP anchors. Modern rules permit a mass 33% lighter than HHP types, or 50% lighter than stockless types. Anchor sizing is based on a vessel's separately calculated Equipment Number (EN). For more information, please consult the Rocna Knowledge Base articles... on Rocna sizing: http://kb.rocna.com/kb/Rocna_sizing_recommendations and classification: http://kb.rocna.com/kb/Classification_and_certification

ROCNA MODEL	Equipment Number (EN) range (Lloyd's, RINA)				Please enquire
	50-70	70-110	110-130	130-175	
Anchor weight	110 kg 243 lb	150 kg 331 lb	200 kg 441 lb	275 kg 606 lb	
Fluke surface area	2300 cm ²	4470 cm ²	5560 cm ²	6510 cm ²	

The descriptions and guidelines shown in this literature should be used as a general reference only. For any further technical information please contact our Technical Service. The contents of this card are based on the latest information available at the time of publication. CMP / Rocna Anchors assumes no responsibility for the accuracy of the information contained herein. Product specifications are subject to change without notice. Copyright © Rocna Anchors 2004–2014. All rights reserved.

