

# Rocna Anchors Sizing Guidelines

Rocna.com



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

To choose the correctly sized Rocna or Vulcan anchor, firstly choose one of the below charts for Rocna Original and Vulcan, or Rocna Mk II. 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 that of your vessel. The top of the column with the selected displacement indicates the recommended size.

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

## ROCNA ORIGINAL & VULCAN

### ROCNA ORIGINAL:

The archetypal highly successful New Zealand design, Peter's first tested and proven solution. The economical and rock solid choice for use anywhere on the planet and on any vessel.

### SELECT THE VULCAN:

For a snug fit on the bows of any boat, including those with platforms, bowsprits, and other obstructions. Comparable performance with the **Rocna Original** and suitable for boats from small runabouts to vessels up to 26 m (depending on displacement).

		ROCNA ORIGINAL OR VULCAN MODEL													
VESSEL LENGTH		4	6	9	10	12	15	20	25	33	40	55	70	110	
				Vulcan only	Rocna Orig. only	Vulcan only							Rocna Orig. only	Rocna Orig. only	
	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*	
Anchor weight		4 kg	6 kg	9 kg	10 kg	12 kg	15 kg	20 kg	25 kg	33 kg	40 kg	55 kg	70 kg	110 kg	
		9 lb	13 lb	20 lb	22 lb	27 lb	33 lb	44 lb	55 lb	73 lb	88 lb	121 lb	154 lb	243 lb	
Recommended G40 chain		6 mm	6 mm	7 mm	7 mm	8 mm	8 mm	9 mm	10 mm	10 mm	11 mm	12 mm	14 mm	16 mm	
		1/4"	1/4"	1/4"	1/4"	5/16"	5/16"	5/16"	3/8"	3/8"	7/16"	7/16"	1/2"	5/8"	

## ROCNA Mk II

### SELECT THE ROCNA Mk II:

An idealized form of the Rocna design, the **Rocna Mk II** is based on the same proven design pattern, but offers substantial upgrades in performance and strength by way of optimization and refinement – inheriting and uprating the original's proven performance advantages. For the best available anchoring investment, the Rocna Mk II is the world's premier anchor.

The premium strength and performance of the Mk II permits slightly lighter sizing in some cases.

		ROCNA Mk II MODEL													
VESSEL LENGTH		4	6	9	12	15	20	25	33	40	50	60	80	100	
	4 m 13 ft	≤ 2 t													
	5 m 16 ft	≤ 1 t	≤ 5 t												
	6 m 20 ft	≤ ½ t	≤ 3.5 t	≤ 8 t											
	7 m 23 ft	≤ ½ t	≤ 2 t	≤ 7 t	≤ 10 t										
	8 m 26 ft		≤ 1 t	≤ 6 t	≤ 8.5 t	≤ 13 t									
	9 m 30 ft		≤ ½ t	≤ 5 t	≤ 7.5 t	≤ 11 t	≤ 18 t								
	10 m 33 ft			≤ 4 t	≤ 6.5 t	≤ 9.5 t	≤ 16 t	≤ 25 t							
	11 m 36 ft			≤ 3 t	≤ 5.5 t	≤ 8 t	≤ 14 t	≤ 23 t							
	12 m 39 ft				≤ 4.5 t	≤ 6.5 t	≤ 11 t	≤ 21 t	≤ 34 t						
	14 m 46 ft					≤ 4.5 t	≤ 7 t	≤ 15 t	≤ 26 t	≤ 45 t					
	16 m 52 ft						≤ 4 t	≤ 10 t	≤ 20 t	≤ 36 t	≤ 60 t				
	18 m 59 ft							≤ 6 t	≤ 16 t	≤ 28 t	≤ 50 t	≤ 85 t			
	20 m 66 ft								≤ 11 t	≤ 20 t	≤ 40 t	≤ 75 t	≤ 120 t	≤ 175 t	
	22 m 72 ft								≤ 7 t	≤ 13 t	≤ 33 t	≤ 65 t	≤ 110 t	≤ 160 t	
	24 m 79 ft									≤ 8 t	≤ 25 t	≤ 55 t	≤ 100 t	≤ 145 t	
	26 m 85 ft										≤ 18 t	≤ 45 t	≤ 85 t	≤ 130 t	
	28 m 92 ft											≤ 35 t	≤ 70 t	≤ 115 t	
	30 m 98 ft												Use EN*	Use EN*	
Anchor weight		4 kg	6 kg	9 kg	12 kg	15 kg	20 kg	25 kg	33 kg	40 kg	50 kg	60 kg	80 kg	100 kg	
		9 lb	13 lb	20 lb	27 lb	33 lb	44 lb	55 lb	73 lb	88 lb	110 lb	132 lb	176 lb	220 lb	
Recommended G40 chain		6 mm	6 mm	7 mm	8 mm	8 mm	9 mm	10 mm	10 mm	11 mm	12 mm	14 mm	16 mm	16 mm	
		1/4"	1/4"	1/4"	5/16"	5/16"	5/16"	3/8"	3/8"	7/16"	7/16"	1/2"	5/8"	5/8"	

**OUR SIZING IS CONSERVATIVE:** Our sizing recommendations are intended to provide an anchor adequate for use in most conditions. We base our calculations on 50 knots of wind, associated surge, and poor holding bottoms. Recommendations are incomparable with other anchor producers.

At our discretion we may provide you a custom sizing recommendation which will take into account more characteristics and intended use of your vessel. This recommendation may be more or less conservative than our chart recommendation, and is to supersede it.

For anchor sizes larger than featured, please contact us.

### CLASSIFICATION RULES SIZING FOR LARGER ANCHORS

Rocna anchors may be sized by classification society rules for SHHP anchors. An SHHP type is usually permitted a mass 33% lighter than HHP types, or 50% lighter than stockless. Classified sizing is based on a vessel's type, purpose, and calculated Equipment Number (E.N.).

		EQUIPMENT NUMBER (E.N.) RANGE*											
Ships		50-70	70-90	90-110	110-130	130-150	150-175	175-205	205-240	> 240			
ABS Yachts		UY6-UY8 80(V)-100(V)	UY8-UY10 100(V)-120(V)	UY10-UY11 120(V)-130(V)	UY11-UY12 130(V)-140(V)	UY12-UY13 140(V)-150(V)	UY13-UY14 150(V)-175(V)	UY14-UY15 175(V)-205(V)	UY15-UY16 205(V)-240(V)	> UY16 > 240(V)			
ROCNA ORIGINAL		110	150	150	200	200	275	275	-	-			
ROCNA Mk II		243 lb	331 lb	331 lb	441 lb	441 lb	606 lb	606 lb	-	-			
		100	135	180	180	250	250	330	330	-			
		220 lb	298 lb	397 lb	397 lb	551 lb	551 lb	728 lb	728 lb	-			

\* Guide only. Rules vary by society and class/purpose of vessel. Consult classification society or your naval architect.