

# EASY ANCHOR ROPE/CHAIN RATIO CALCULATOR

We are conservative when anchoring and rather have too much rope/chain out than too little. It provides for sleeping more soundly at night without the need to wake up every now and then to check whether you have sufficient rope/chain to depth ratio.

Although it might be calm at the time of anchoring, the conditions might get worse later. For this reason, we normally (if space allows) go for a 10:1 or even a 12:1 rope/chain to depth ratio depending on the exposure of the anchorage.

Remember to check the tide when anchoring - add the difference between current tide and high tide.

During tropical storms and hurricanes, there is usually a storm surge resulting in the water rising another 1 to 6 meters. If you have to anchor in these conditions, add for the extra surge water height.

You can use any measurement (feet, meters, etc.), but you must use the same measurement throughout.

<b>Water depth</b>	
<b>Freeboard</b>	
<b>Add for high tide</b>	
<b>Add for storm surge</b>	



Conditions	Scope	Anchor rope/chain
Calm - short term	6:1	
Calm - long term	8:1	
Rough	10:1	
Storm	12:1	

Also for strong wind/tide

