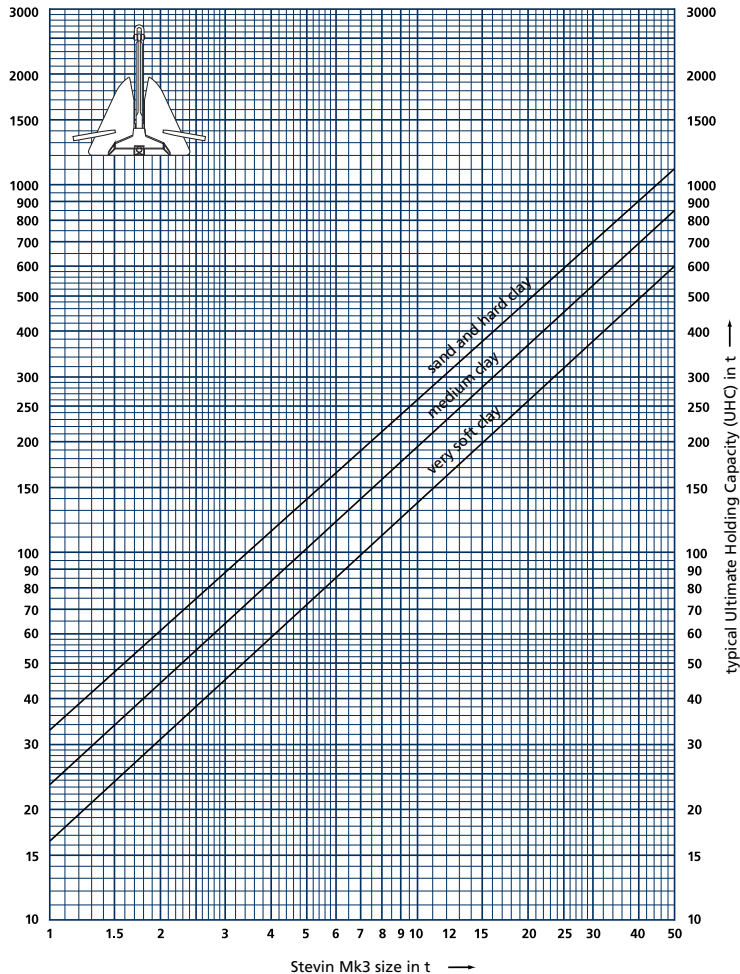


Stevin Mk3

Stevin Mk3 UHC chart



Ultimate Holding Capacity

The prediction lines above represent the equation $UHC = A * (W)^{0.92}$ with UHC as the Ultimate Holding Capacity in tonnes and A a parameter depending on soil, anchor and anchor line with values between 16 and 31.

The Stevin Mk3 design line **very soft clay** represents soils such as very soft clays (mud), and loose and weak silts.

The line is applicable in soil that can be described by an undrained shear strength of 4 kPa at the surface increasing by 1.5 kPa per meter depth or in the equation $S_u = 4 + 1.5 * z$, with S_u in kPa and z being the depth in meters below seabed. In very soft soils the optimum fluke/shank angle is typically 50 deg.

The design line **sand** represents competent soils, such as medium dense sands and stiff to hard clays and is based on a silica sand of medium density. In sand and hard clay the optimal fluke/shank angle is 32°.

The **medium clay** design line represents soils such as silt and firm to stiff clays. The fluke/shank angle should be set at 32° for optimal performance.