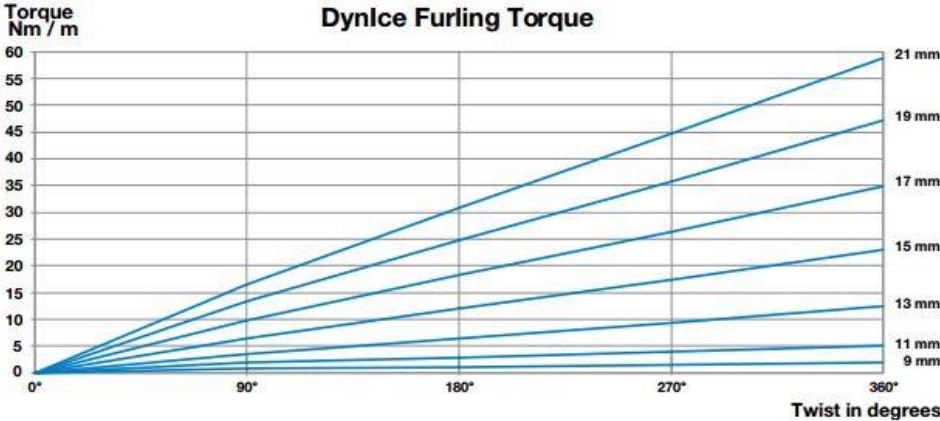# DYNICE FURLING

DynIce Furling Torque

The torque is measured by twisting perpendicularly a length of 1000 mm and measuring the resistance in Nm.   For example is the torque of 15 mm 23 Nm.   As 1 N is equivalent to roundly 0,1 kg a 23 N is 2,3 kg. Imagine holding a stick which is 1 m long and on the end are the 2,3 kg hanging.   That is the force needed to twist the DynIce Furling cable one full twist and that is quite high force.

DynIce Furling Elongation
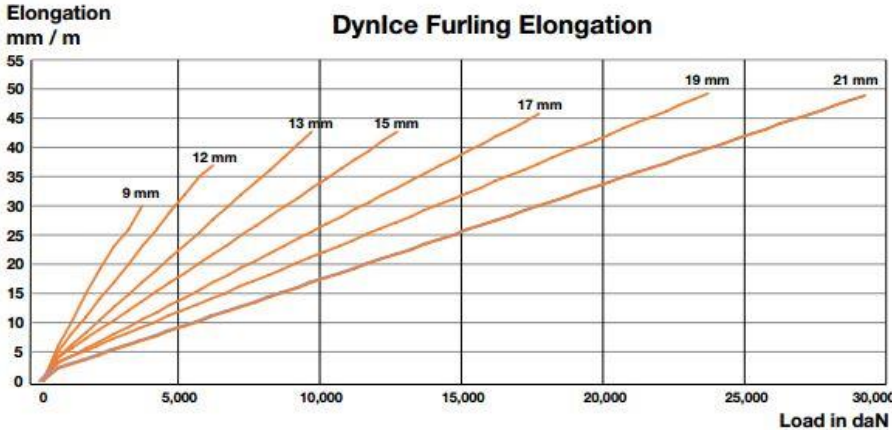
The elongation in mm for each diameter is similar as the top end of the line represents the full elongation of 1000 until it breaks.   One m of 15 mm at 5000 daN (roundly 4,9 metric tons) will elongate by some 18 mm. If the length of the furling line is 7 m the total elongation is at that load only 7 x 18 = 126 mm plus some setting in end terminations.