The Ménard-theory is based on field tests using a pressiometer. On the basis of an empirical formula can be approximated the horizontal beddingsconstante, depending on the soil type, the pole diameter and the cone resistance. From a modulus Ep, determined with the pressiometerproef according to Ménard or using a parameter from the cone resistance qc, sets the horizontal beddingsconstante with the following formula:

$R_0 = 0,3m$ (reference diameter)

$R = \dfrac{D}{2}$ (diameter of pile)

$E_p \quad \beta \cdot q_c$ (Elasticmodulus according to Ménard)

qc = according to sonding graff.
α en β factors for soil (Tabel 2-1).

Tabel 2-1 Rheologische factors according to Ménard

Soil type	α	β
Veen	1	3,0
Clay	2/3	2,0
Silt	1/2	1,0
Sand	1/3	0,7
Gravel	1/4	0,5

Formula:

$$\frac{1}{k_h} = \frac{1}{3E_p}\left[1,3R_0\left(2,65\frac{R}{R_0}\right)^{\alpha} + \alpha R\right]$$