

Bearing capacity factors
TBC. Foundations

$$N_q = \frac{1 + \sin \phi'}{1 - \sin \phi'} \cdot e^{\pi \cdot \tan \phi'}$$

$$N_c = (N_q - 1) \cdot \cot \phi'$$

$$N_\gamma = 1,5(N_q - 1) \cdot \tan \phi'$$

ϕ	N_q	N_γ	N_c
18	5,2576	2,0751	13,1037
19	5,7977	2,4780	13,9336
20	6,3994	2,9478	14,8347
21	7,0708	3,4955	15,8149
22	7,8211	4,1339	16,8829
23	8,6612	4,8780	18,0486
24	9,6034	5,7457	19,3235
25	10,6621	6,7583	20,7205
26	11,8542	7,9409	22,2544
27	13,1991	9,3237	23,9422
28	14,7199	10,9425	25,8033
29	16,4433	12,8405	27,8605
30	18,4011	15,0698	30,1396
31	20,6308	17,6931	32,6711
32	23,1768	20,7864	35,4903
33	26,0920	24,4424	38,6383
34	29,4398	28,7743	42,1637
35	33,2961	33,9210	46,1236
36	37,7525	40,0534	50,5855
37	42,9199	47,3834	55,6296
38	48,9333	56,1743	61,3518
39	55,9575	66,7555	67,8668
40	64,1952	79,5406	75,3131
41	73,8969	95,0525	83,8583
42	85,3736	113,9555	93,7064
43	99,0143	137,0997	105,1074
44	115,3079	165,5788	118,3693
45	134,8738	200,8108	133,8738
46	158,5017	244,6467	152,0976
47	187,2059	299,5220	173,6398
48	222,2996	368,6671	199,2590
49	265,4973	456,4040	229,9240
50	319,0573	568,5689	266,8818