Table 3.4 Meyerhof's Bearing Capacity, Shape, Depth, and Inclination Factors [Eq. (3.23)]

Factor	Relationship
Bearing capacity	
N_c	Equation (3.25)
N_q	Equation (3.24)
N_γ	$(N_q - 1)\tan(1.4\,\phi')$; see Table 3.5
Shape	
For $\phi = 0$,	
F_{cs}	$1 + 0.2\,(B/L)$
$F_{qs} = F_{\gamma s}$	1
For $\phi' \geqslant 10°$,	
F_{cs}	$1 + 0.2\,(B/L)\tan^2(45 + \phi'/2)$
$F_{qs} = F_{\gamma s}$	$1 + 0.1\,(B/L)\tan^2(45 + \phi'/2)$
Depth	
For $\phi = 0$,	
F_{cd}	$1 + 0.2\,(D_f/B)$
$F_{qd} = F_{\gamma d}$	1
For $\phi' \geqslant 10°$	
F_{cd}	$1 + 0.2\,(D_f/B)\tan(45 + \phi'/2)$
$F_{qd} = F_{\gamma d}$	$1 + 0.1\,(D_f/B)\tan(45 + \phi'/2)$
Inclination	
$F_{ci} = F_{qi}$	Equation (3.36)
$F_{\gamma i}$	Equation (3.37)