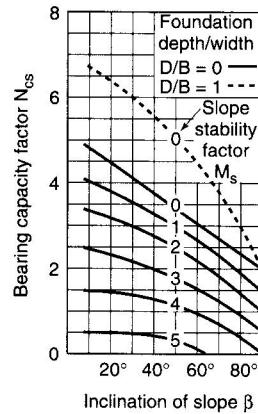
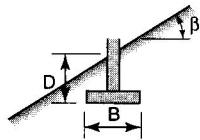
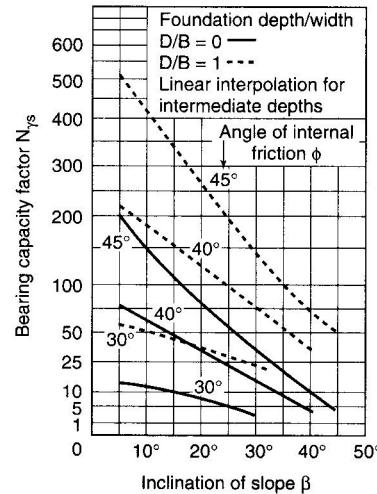


Capacidad de soporte en pendientes o taludes

Stability factor:
 $M_s = \gamma H/c$
 c = cohesion
 γ = unit weight of soil
 H = height of slope



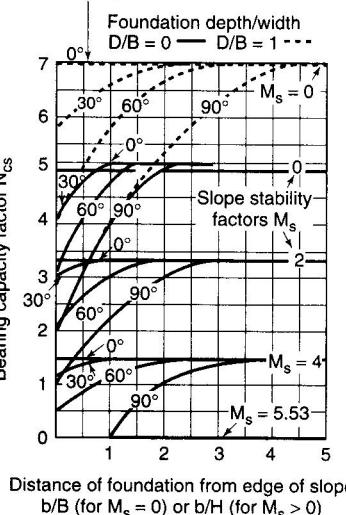
(a) Cohesive soil



(b) Cohesionless soil

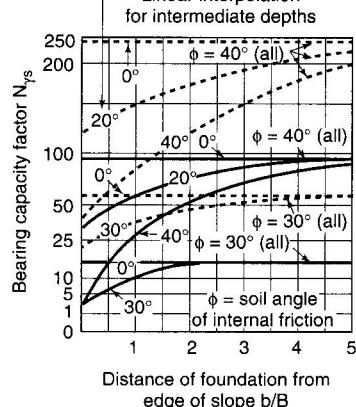
Factors for footing on face of slope

Angle values on curves indicate inclination of slope β



(c) Cohesive soil

Angle values on curves indicate inclination of slope β



(d) Cohesionless soil

Factors for footing on top of slope

Figure 13-11 Bearing capacity factors for long footings on face of slope: (a) cohesive soil, (b) cohesionless soil. Bearing capacity factors for footings on top of slope: (c) cohesive soil, (d) cohesionless soil.

D. McCarthy (1998). Essentials of soil mechanics and foundations.