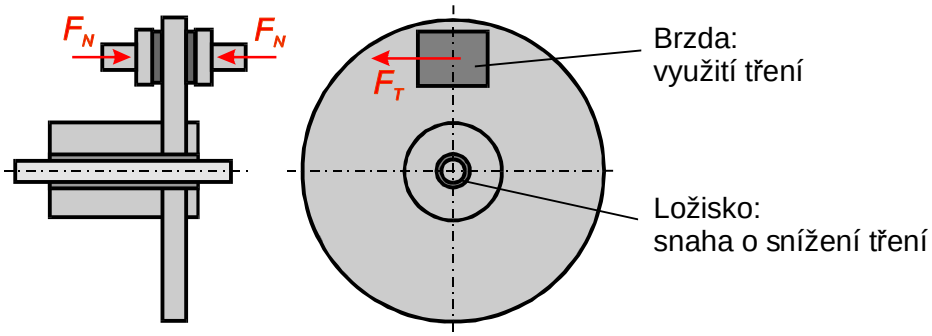
VIII. Smykové tření I

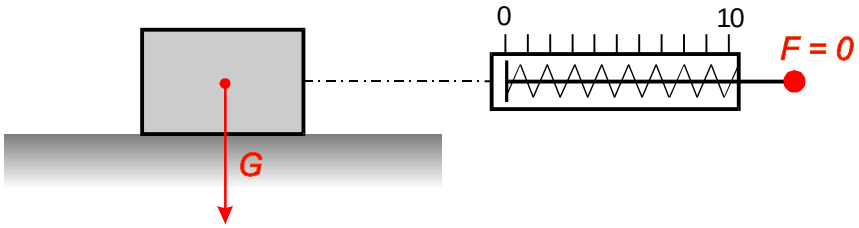
Konkrétní situace

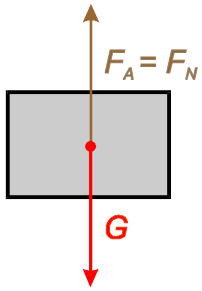
Schematické znázornění



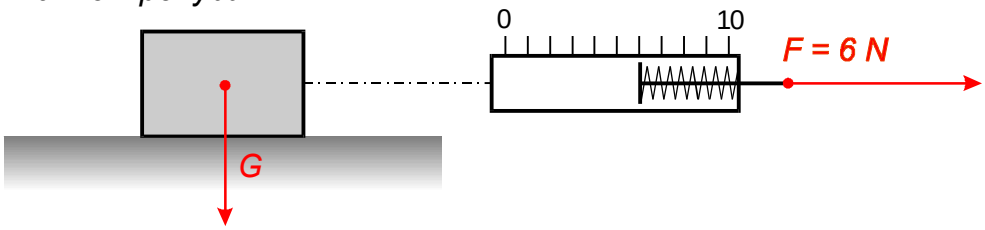
Smykové tření na vodorovné rovině

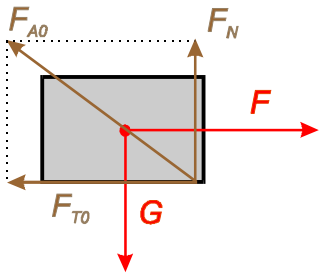
klid



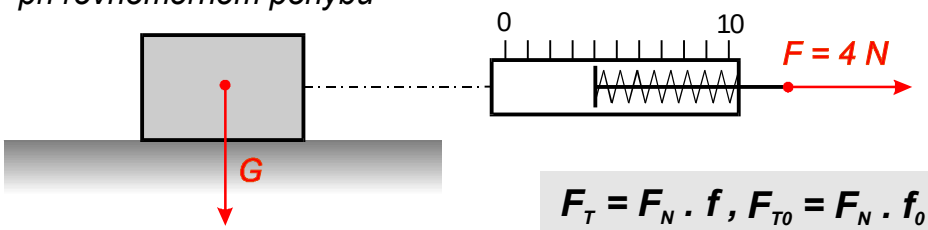


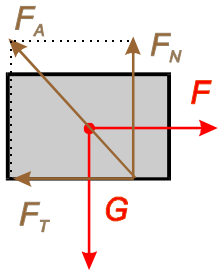
na mezi pohybu





při rovnoměrném pohybu

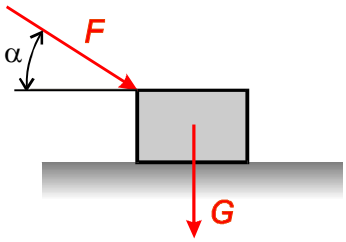


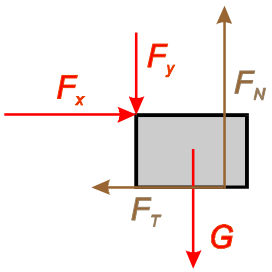


$F_T = F_N \cdot f$, $F_{T0} = F_N \cdot f_0$

Síla F obecně působící

A

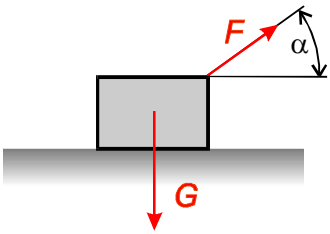


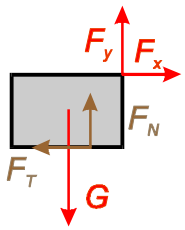


$F\cos\alpha - F_T = 0$
$F\sin\alpha + G - F_N = 0$
$F_T = F_N \cdot f$

$F = G.f/(\cos\alpha - f.\sin\alpha)$

B





$F\cos\alpha - F_T = 0$
$F\sin\alpha - G - F_N = 0$
$F_T = F_N \cdot f$

$F = G.f/(\cos\alpha + f.\sin\alpha)$