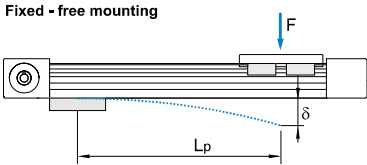
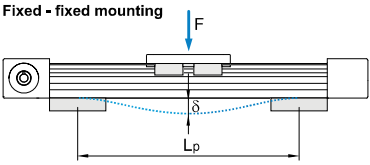
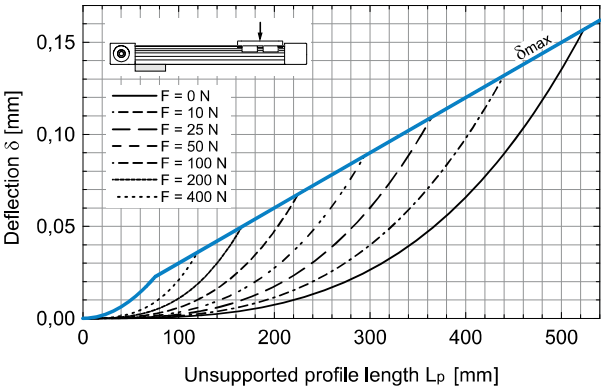
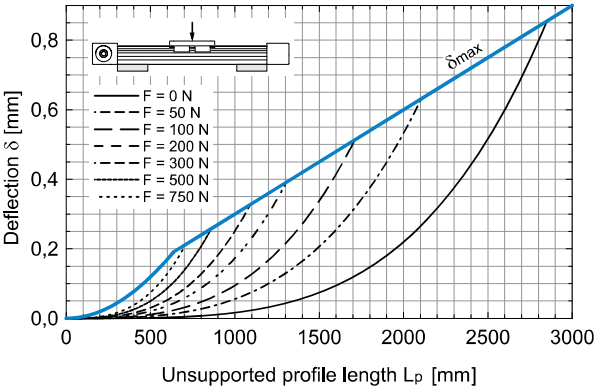


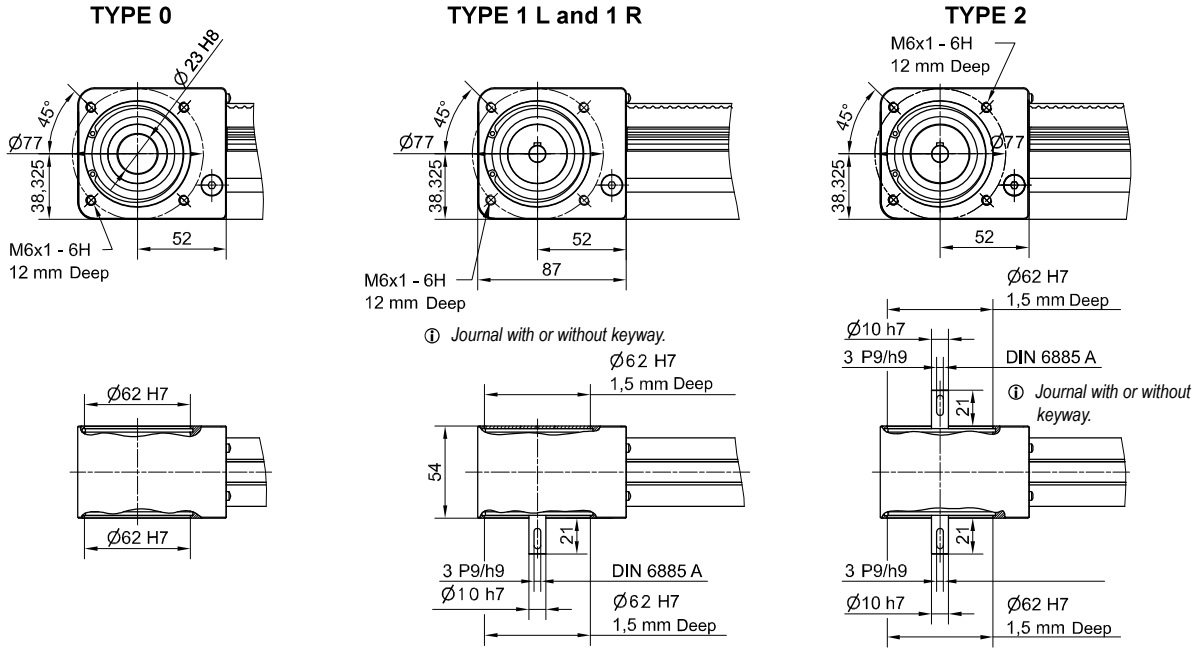
Deflection of the linear unit



- δ Maximum deflection of the linear unit [mm]
- δ_{max} Maximum permissible deflection of the linear unit [mm]
- F Applied force [N]
- L_p Unsupported profile length [mm]

The maximum permissible deflection δ_{max} must not be exceeded. In the case that maximum deflection δ exceeds the maximum permissible deflection δ_{max} additional profile supports are needed.





Defining of the linear unit length

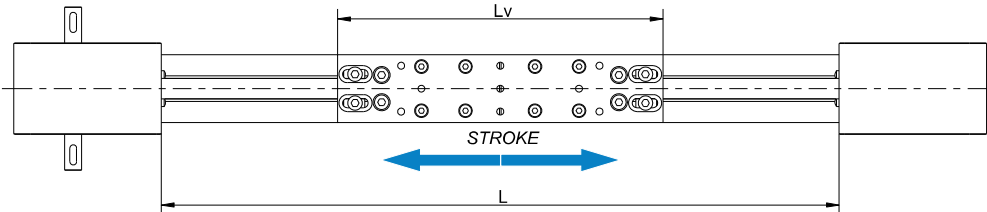
L = Effective stroke + 2 × Safety stroke + Lv + 15 mm

Lv - Long carriage = 200 mm

Ltotal = L + 174 mm

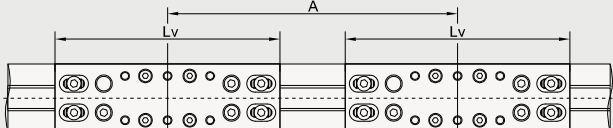
Lv - Short carriage = 132 mm

Left side (L)



Right side (R)

Double Carriage



L = Effective stroke + 2 × Safety stroke + Lv + A + 15 mm
Ltotal = L + 174 mm } **A ≥ Lv**