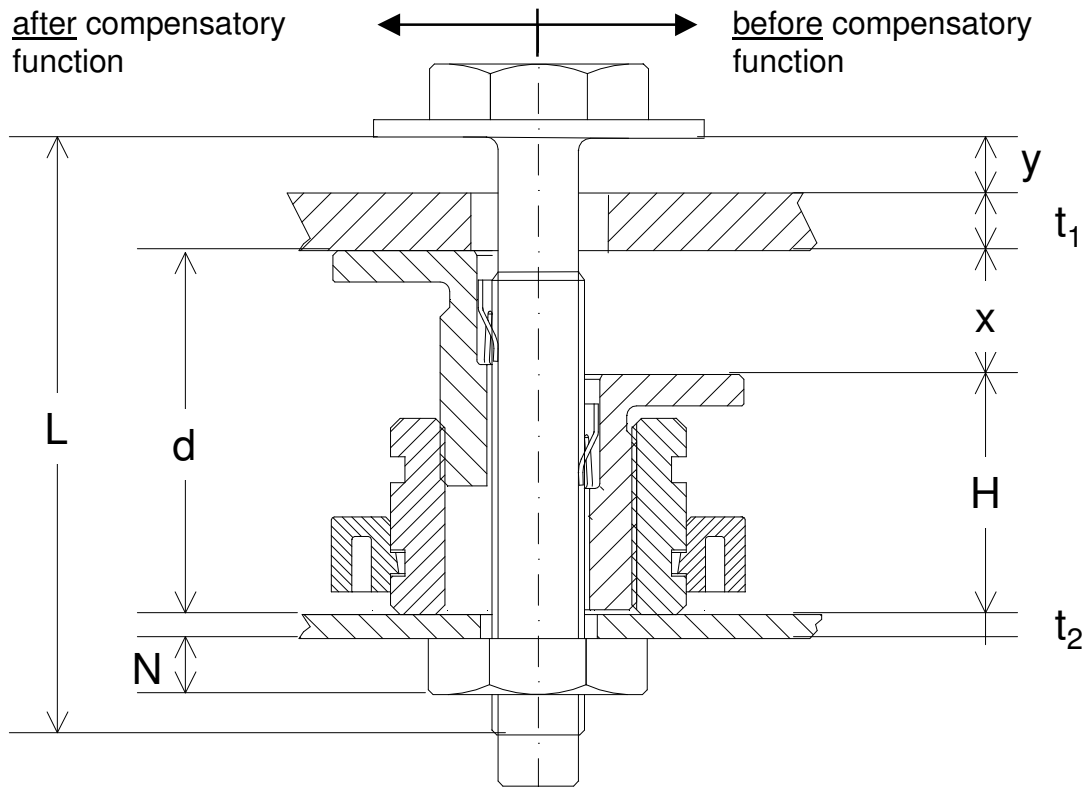


Calculation of the screw length

INITIAL INFORMATION



Boundary conditions:

- NO slip between screw and WITOL ($U_x = U_y$)
- Distance $y \geq$ nut height N
- Nut thread NOT inside the sheet metal t_2
- NO safety

$$L = S_s \frac{x}{S_w} + t_1 + d + t_2$$

Calculation:

- I. $y = U_y * S_s$
 II. $x = U_x * S_w$
 RB: $U_x = U_y$
 $y \geq N$
 I. & II. $y = S_s * (x/S_w)$

NO RESPONSIBILITY IS TAKEN FOR THE CORRECTNESS OF THIS INFORMATION