

TB-232 Epreuve 3

14.05.2021.

Exercice 1

a) HEA 280

b) $Q = 35,5 \text{ kN}$

Exercice 2

a) $N = -800 \text{ kN}$; $M_z = 48 \text{ kN.m}$.

b) $\sigma_{xx}^{\max} = -19 \text{ N/mm}^2$; $\sigma_{xx}^{\min} = -1 \text{ N/mm}^2$

Exercice 3

b). $S_G = 133,07 \cdot 10^6 \text{ mm}^3$

$\sigma_{\max} = 3,52 \text{ N/mm}^2$

Exercice 4.

a) HEA 160

b). BLC 200x560.