

Řešení:

Str.91/2

$$m = 30t = 30000kg$$

$$F = 300\ 000N$$

$$S = 0,006\ m^2$$

$$p = ?$$

$$p = F:S$$

$$p = 300\ 000:0,006$$

$$p = 50\ 000\ 000\ Pa$$

$$p = 50\ MPa$$

Str.91/3

$$F = 1N$$

$$S = 0,2\ mm^2 = 0,000\ 000\ 2m^2$$

$$p = ?$$

$$p = F:S$$

$$p = 1:0,000\ 000\ 2$$

$$p = 5\ 000\ 000\ Pa$$

$$p = 5\ MPa$$

Str.91/4

$$F = ?\ N$$

$$S = 8\ m^2$$

$$p = 1,5kPa = 1500\ Pa$$

$$F = p \cdot S$$

$$p = 1500 \cdot 8$$

$$p = 12\ 000\ Pa$$

$$p = 12\ kPa$$

