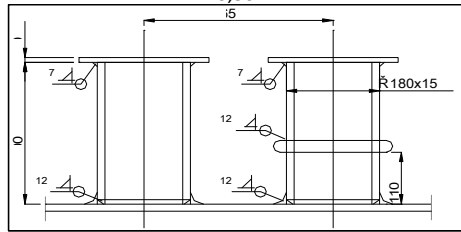


6.3.4 Privežišta

6.3.4.5 Proračun čvrstoće bitve

Materijal bitve: Č. 0461 $\sigma_T = 240 \text{ N/mm}^2$
 sila na bitvu $F_{BM} = 78,48 \text{ kN}$
 naprezanje $\sigma_d = 228 \text{ N/mm}^2$
 $l = 0,30 \text{ m}$



$M = 23,54 \text{ kNm}$

$D = 180 \text{ mm}$

$s = 15 \text{ mm}$

$d = 150 \text{ mm}$

$I = 26679485 \text{ mm}^4$

$W = 296439 \text{ mm}^3$

$\sigma = 79 \text{ N/mm}^2$

naprezanje cijevi bitve

$\tau = 10 \text{ N/mm}^2$

naprezanje cijevi bitve

$\sigma_{ekv} = 81 \text{ N/mm}^2$

$< \sigma_d$ zadovoljava

visina zavar $a = 12,0 \text{ mm}$

Provjera naprezanja zavara

vanjski promjer prstena zavara $D = 204 \text{ mm}$

unutarnji promjer prstena zavara $d = 180 \text{ mm}$

moment otpora lika prstena $W = 328275 \text{ mm}^3$

$\tau = 72 \text{ N/mm}^2$

$< \tau_{dop} = 110 \text{ N/mm}^2$

6.3.5.4 Oblik bitve

najmanji promjer bitve $d = 132 \text{ mm}$

najmanji razmak uspravnih osi bitvi $b = 226 \text{ mm}$