**PRORAČUN PROIZVODNOSTI I POTREBNOG BROJA LJUŠTILICA**

1. T1= 3-6s →4s uzeto
2. T2= $\frac{2·(0,8 ·Hh+10)}{Vv}$ = 3,4 sHh=30mm ; Vv=20mm/s
3. T3=$\frac{ls}{Vus}$ = $\frac{140}{10}$ = 14sls=140mm; Vus=10mm/s
4. T4=$\frac{lr}{Vrs}$ = $\frac{249,426}{1}$ = 249,426s

lr=0,01D+$\frac{D1-d0}{2}$ = 0,01·572,6+$\frac{587,4-100}{2}$ =249,426mm

D=Ds - $\frac{ltrč}{2}$· Pp = 58-$\frac{1,85}{2}$·0,8= 57,26cm

D1= Ds +$\frac{ltrč}{2}$· Pp = 58 + $\frac{1,85}{2}$· 0,8= 58,74cm

1. T5=$\frac{2 ·(Hh+10)}{Vv}$ + τu= $\frac{2 ·(30+10)}{20}$ + τu= 6sτu=2s
2. T6= 5-10s →5s uzeto
3. Tuk=T1+T2+T3+T4+T5+T6= 4+3,4+14+249,426+6+5= 281,826s

Tuk= 4,69min

1. E1=$\frac{T ·k}{Tuk}$ = $\frac{450 ·0,75}{4,69}$ = 71,96 kom/sm
2. E2= E1·$\frac{Ds^{2} ·π}{4} ·ltrč$ = 101,92·$\frac{0,58^{2} ·3,14}{4} ·1,85$= 35,023 (m3obl/sm)
3. E3= E1·$\frac{(D\_{0}^{2}-d\_{0}^{2})· π}{4 ·s} ·ltrč$ = 71,96·$\frac{(0,54397-0,1)· 3,14}{4 ·0,0016} ·1,85$= =28889,0731 (m2 fur/sm)

D0= 0,95 · D= 0,95 · 0,5726= 0,54397m

1. E4= E3· s = 28889,0731· 0,0016= 46,222(m3 fur/sm)
2. N= $\frac{M\_{lj}^{''}}{E2 ·b ·c}$ = $\frac{18535,368}{35,023 ·260 ·2}$ = $\frac{18535,368}{18211,96}$ = **1,017 kom →1 kom**

Izračuajte ponovo E3 I E4

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