

Ciklus 1, Vežba 2:

Određivanje modula torzije žice

1. Tabela 1. Prečnik žice:

$d_1 (mm)$	$d_2 (mm)$	$d_3 (mm)$	$d_4 (mm)$	$d_5 (mm)$	$d = \sum_i^5 \frac{d_i}{3}$ (mm)	$\Delta d (mm)$
2.52	2.52	2.53	2.53	2.53	x	x

2. Tabela 2. Dužina žice:

$L_1 (mm)$	$L_2 (mm)$	$L_3 (mm)$	$L = \sum_i^3 \frac{L_i}{3}$ (mm)	$\Delta L (mm)$
835	835	835	x	x

3. Tabela 3. Prečnik diska:

$D_{01} (mm)$	$D_{02} (mm)$	$D_{03} (mm)$	$D_0 = \sum \frac{D_{0i}}{3}$ (mm)	$\Delta D_0 (mm)$	$D = D_0 - 2h$ (mm)
129.2	129.15	129.35	x	x	x

4. Tabela 4. Dubina žljeba:

$h_1 (mm)$	$h_2 (mm)$	$h_3 (mm)$	$h = \sum \frac{h_i}{3}$ (mm)	$\Delta h (mm)$	$\Delta D = \Delta D_0 + 2\Delta h$ (mm)
129.2	129.15	129.35	x	x	x

5. Tabela 5.

No	F (N)	$p_1 (^{\circ})$	$p_2 (^{\circ})$	$\alpha_i = p_2 - p_1$ ($^{\circ}$)	$\alpha = \sum_i^3 \frac{\alpha_i}{3}$ ($^{\circ}$)	$\Delta\alpha (^{\circ})$
1	0.4095	24	30	X	x	x
		24	30	X		
		24	30	X		
2	0.981	24	34	X	x	x
		24	34	X		
		24	34	X		
3	1.962	24	43	X	x	x
		24	43	X		
		24	43	X		
4	2.943	24	52	X	x	x
		24	52	X		
		24	52	X		
5	3.924	24	61	X	x	x
		24	61	X		
		24	61	X		
6	4.905	24	70	X	x	x
		24	70	X		
		24	70	X		

$$\Delta d (mm) = 0,01 mm$$

$$\Delta L (mm) = 1 mm$$

$$\Delta D_0 (mm) = 0,05 mm$$

$$\Delta h (mm) = 0,05 mm$$

$$\Delta\alpha (^{\circ}) = 1^{\circ}$$