

Fzerikosiene \rightarrow Shaft-Hub

Exercise (Parallel key)

- \hookrightarrow Ductile key
- \hookrightarrow Brittle Pulley.

$$M_t = 1,5 \text{ kNm}$$

Start-number is 10^4 is low.

$D = 50 \text{ mm} \rightarrow 44-50$ (included) $\rightarrow (A 14 \times 9 \times 50 \text{ UNT} \dots)$
Length chosen by him
 $\underbrace{6604-69}_{\text{code year}}$
 $h = 9$

$t_i \rightarrow$ from the same table

- $\hookrightarrow 5,5 \text{ mm} \rightarrow$ we choose $5,5$ for the key check
 - $\hookrightarrow 3,8 \text{ mm}$
- Since we want the most critical condition.

For the shaft and hub t_i is the t_i for the other since we have to do a t_i with the other t_i to find their own height.

If the check fails:

- \hookrightarrow change material
 - \hookrightarrow extend the key \rightarrow after it is the same length it makes no sense
 - \hookrightarrow Choose a key with a longer section.
- \rightarrow it might be better to change the size of the part that failed.