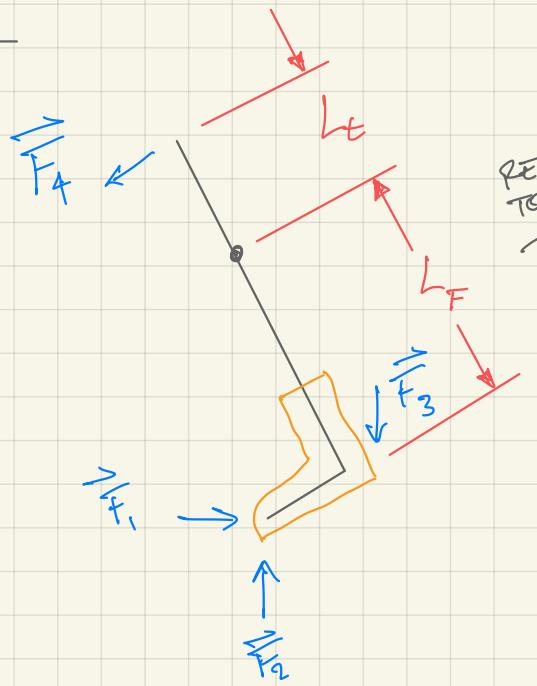
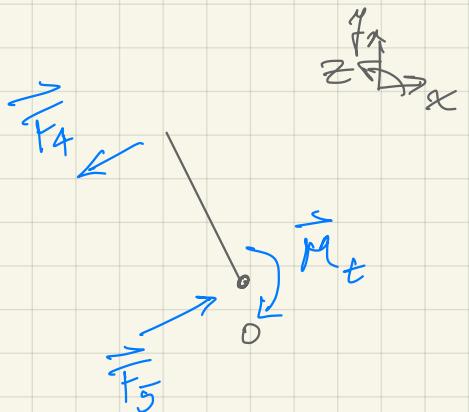


FBD

REMOVE  
TORQUE  
WRENCH



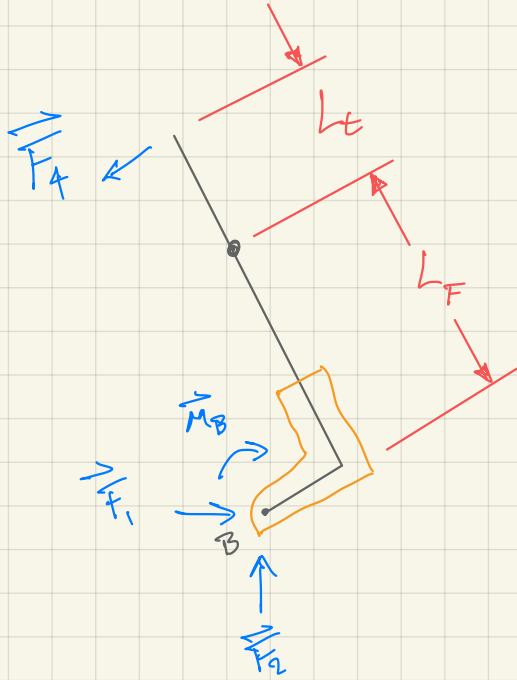
$$(F_1) \cdot \sum \vec{M}_O = 0$$

$$(F_4)(L_t) - M_t = 0$$

$$\boxed{F_4 = \frac{M_t}{L_t}}$$

 $F_4$ 

REPLACE  $\vec{F}_3$  WITH  
"RESISTING MOMENT"



$$(F_1) \cdot \sum \vec{M}_B = 0$$

$$(F_4)(L_t + L_F) - M_B = 0$$

$$M_B = (F_4)(L_t + L_F)$$

$$\boxed{M_B = \left(\frac{M_t}{L_t}\right)(L_t + L_F)}$$

 $M_B$

ISO 13992

TORQUE  
BOOT

WRENCH TO  
MOMENT

05.06.2024

## MEASUREMENTS

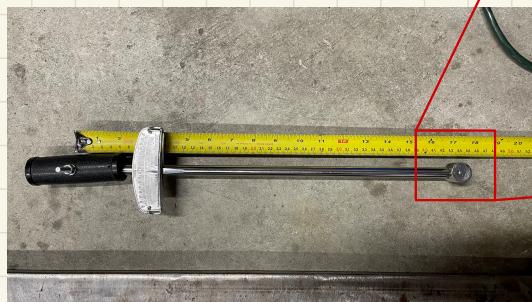
$L_F$ :



$$L_F = 1490 \text{ mm}$$

$L_F$

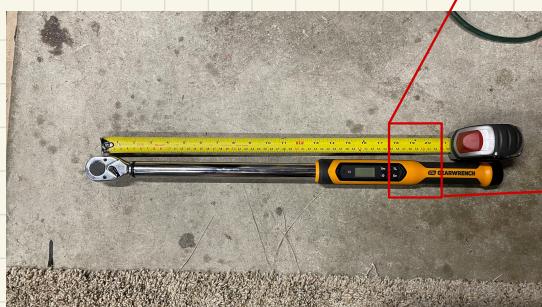
$L_t$  (BEAM):



$$L_t = 430 \text{ mm}$$

$L_t$   
(BEAM)

$L_t$  (DIGITAL):



MEASURED READINGS TO BE MORE ACCURATE HERE

$$L_t = 495 \text{ mm}$$

$L_t$   
(DIGITAL)