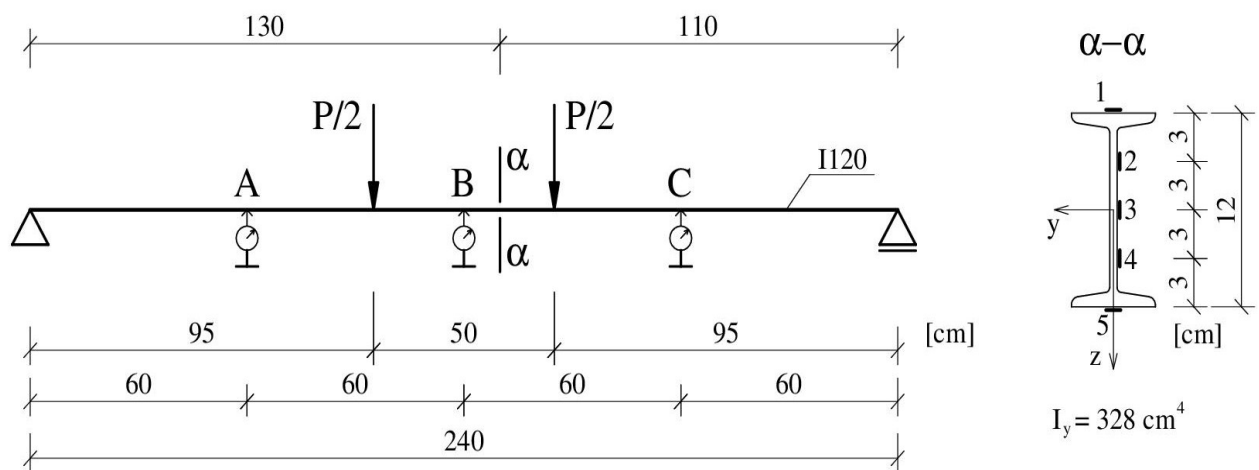


Scope		Testing the deflection and stress state in a bending steel beam			
Group		Team No.		Date	
Team members					
Comments					

### 1. Principle

The exercise involves loading a simply supported steel beam, reading the strains and displacements, calculating the stresses at selected points and comparing these values with those calculated theoretically.

### 2. Geometry of the test stand and location of measurement points



### 3. Measurement of beam displacements

Force $P$ [kN]	Measurement at point A [mm]	Measurement at point B [mm]	Measurement at point C [mm]
0.0			

### 4. Measurement of strains

Force $P$ [kN]	Measured strain values [ $\mu\text{m}/\text{m}$ ]				
	1	2	3	4	5