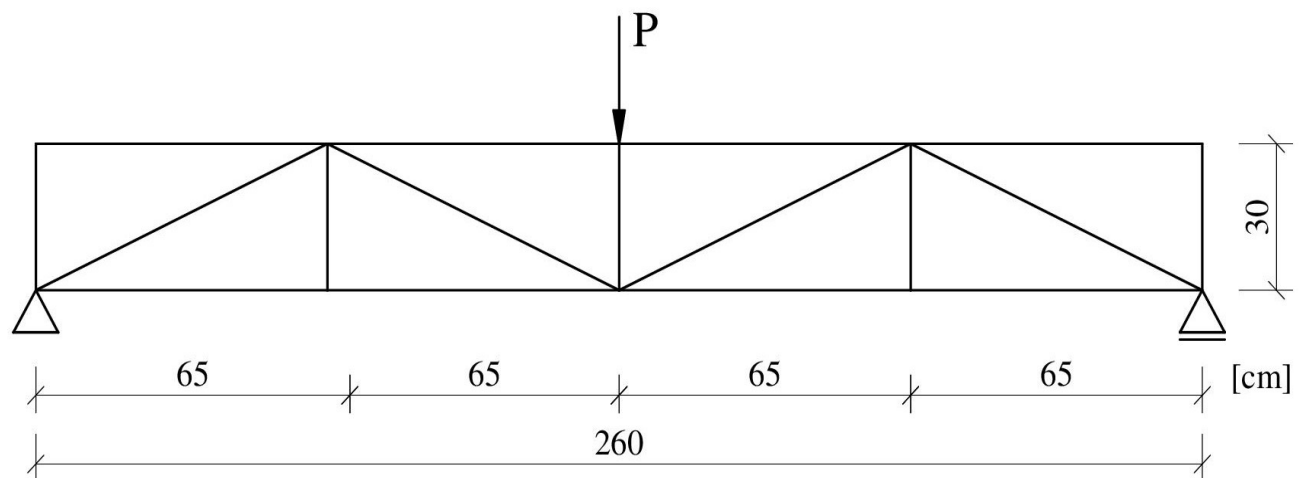


Scope		Determination of internal forces in a truss			
Group		Team No.		Date	
Team members					
Comments					

### 1. Principle

The exercise involves loading a simply supported steel truss, reading the strains, calculating the values of internal forces in selected bars and comparing these values with those calculated theoretically.



Upper and lower truss chords: RHS 100x50x5

Cross-braces and posts: RHS 60x40x4

### 3. Measurement of strains

Force $P$ [kN]	Measured strain values [ $\mu\text{m/m}$ ]							
	Rod G (upper chord)		Rod D (lower chord)		Rod K (cross-brace)		Rod S (post)	
	Down	Up	Down	Up	Down	Up	Left	Right