

Department of Mechanical Engineering
Mechanic Division
Spec. Laboratory - Bending Lab. Report

Lab. Date:

Number:

Lab. Instructor:

Name & Surname:

Group/Sub-group: /

Place of Lab: B block Base floor – Mechanic Lab.

Course Topic: Bending

Subject: Deflection and curvature of beam due to bending

Devices and Materials:

- Bending Sample (Steel)
- Displacement measurement device
- Bending device

	W (N)	b (mm)	a (mm)	a ² (mm ²)	z ₁ (mm)	z ₂ (mm)	z ₃ (mm)	$\frac{z_1 + z_3}{2}$ (mm)	$h = z_2 - \frac{z_1 + z_3}{2}$ (mm)
Test 1	5	250	100						
	10	250	100						
	15	250	100						
	20	250	100						
	25	250	100						
Test 2	5	250	150						
	10	250	150						
	15	250	150						
	20	250	150						
	25	250	150						
Test 3	5	250	200						
	10	250	200						
	15	250	200						
	20	250	200						
	25	250	200						