

Simply Supported Beam Engineering Report

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1 Introduction

Engineering report generated automatically using Python + PyLaTeX.

2 Beam Description



Simply Supported Beam

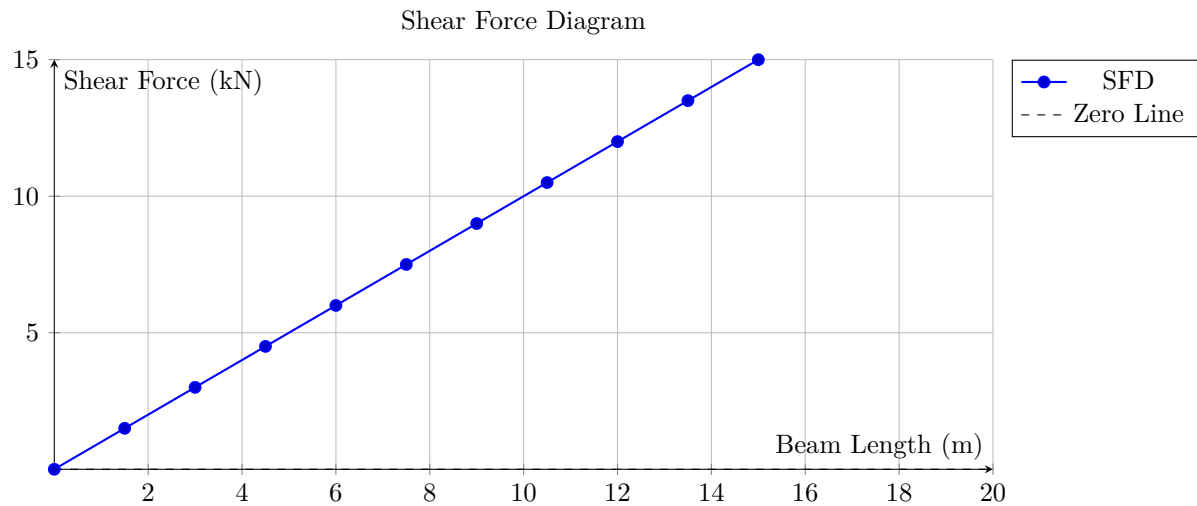
3 Data Source

Force values are read directly from the provided Excel file.

4 Input Data

x	Shear Force	Bending Moment
0.0	45.0	0.0
1.5	36.0	60.75
3.0	27.0	108.0
4.5	18.0	141.75
6.0	9.0	162.0
7.5	0.0	168.75
9.0	-9.0	162.0
10.5	-18.0	141.75
12.0	-27.0	108.0
13.5	-36.0	60.75
15.0	-45.0	0.0

5 Shear Force Diagram



6 Bending Moment Diagram

