

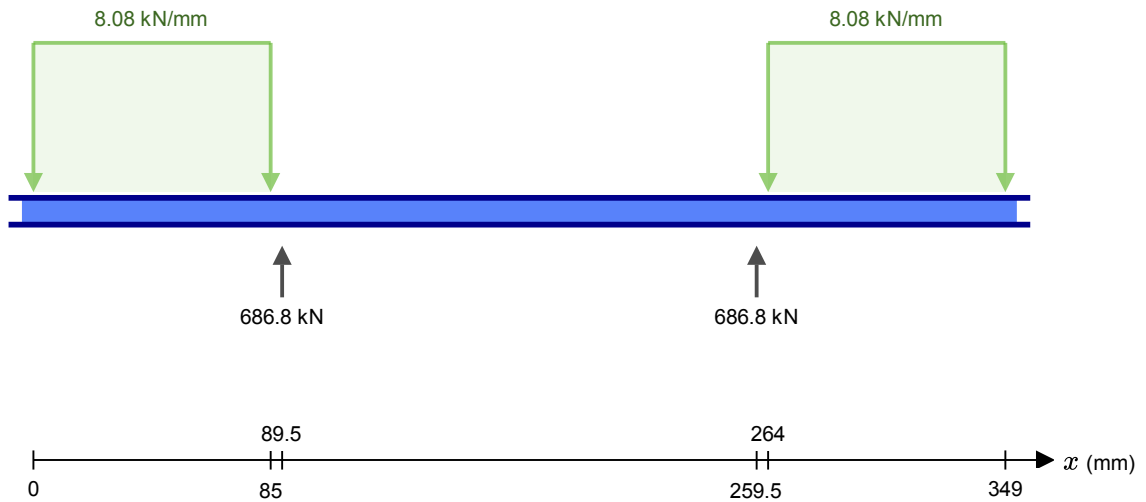
[Click here to restore the original solution page.](#)



Free Body Diagram (FBD)

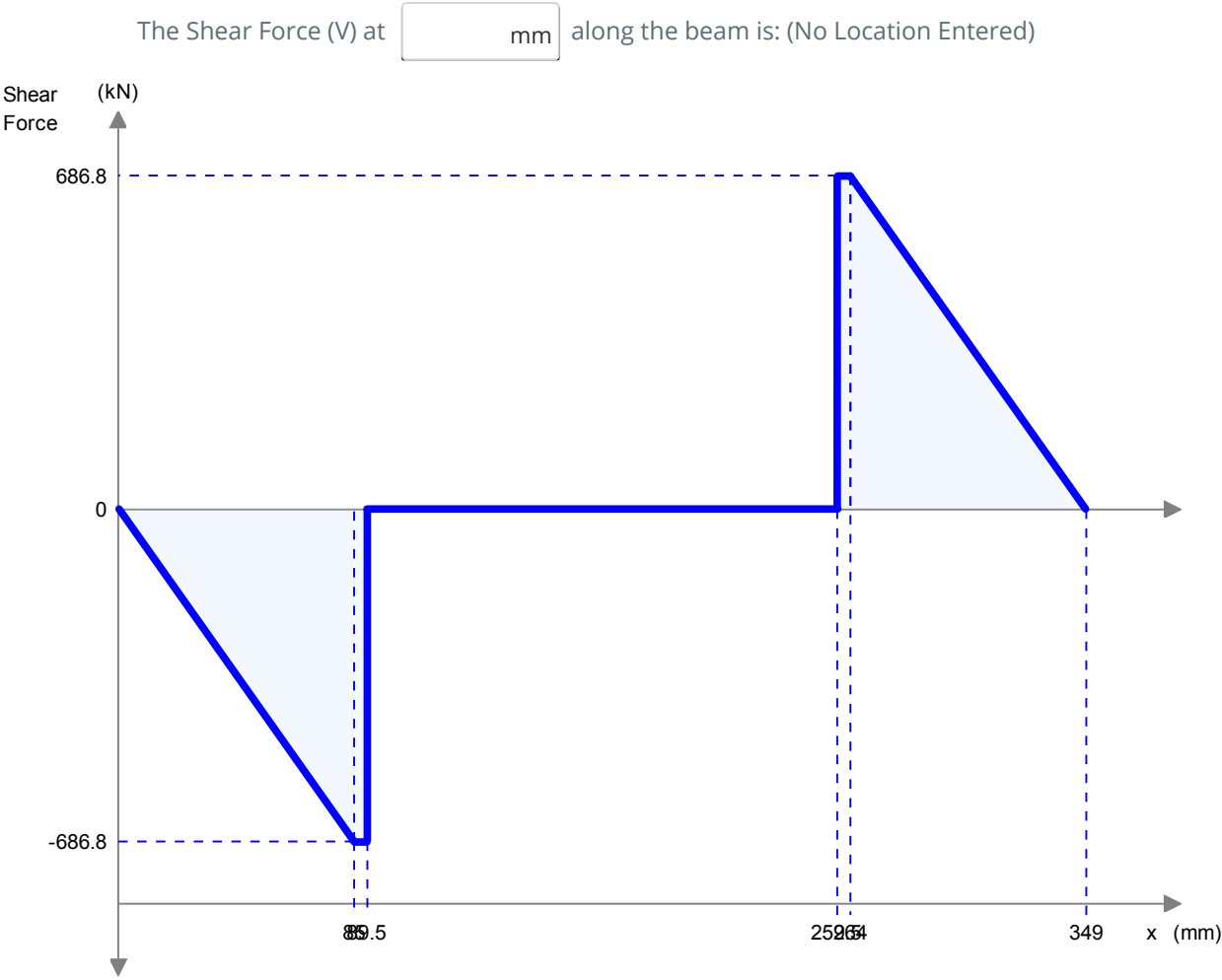


☐ Show Equivalent Loads



Hand Calculations for Reaction Forces

Shear Force Diagram (SFD)



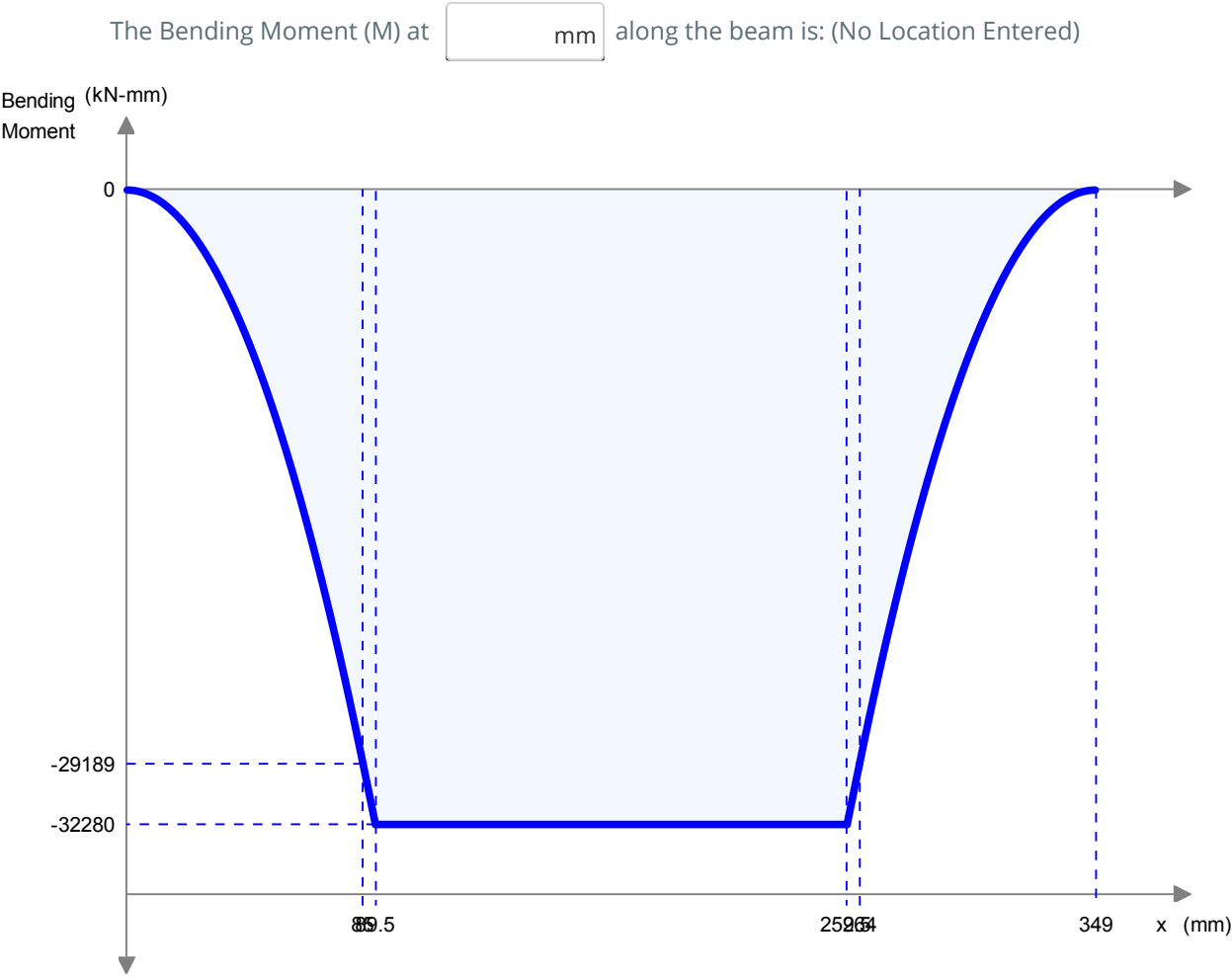
Hand Calculations for the Shear Force Diagram

Shear Force Equations

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Bending Moment Diagram (BMD)

Reverse BMD Sign Convention



Hand Calculations for the Bending Moment Diagram

Bending Moment Equations

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Hollow Pin with UDL on ends