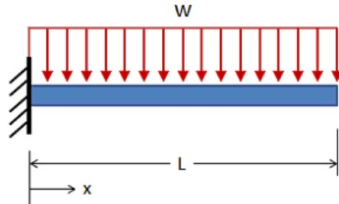
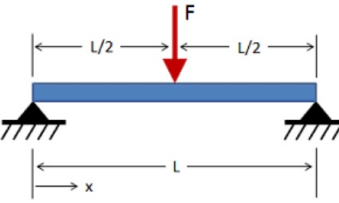
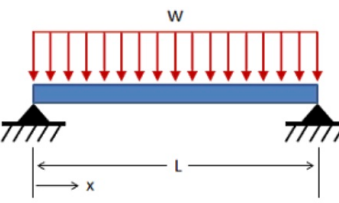
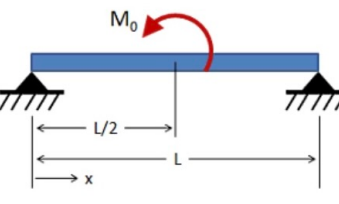


Maximum Bending Moment and Shear Force

Case	Max Bending Moment	Max Shear Force	Max Deflection	Bending Moment Diagram
	WL	W	$\frac{WL^3}{3EI}$	
	$\frac{WL}{2}$	W	$\frac{WL^3}{8EI}$	
	$\frac{WL}{4}$	$\frac{W}{2}$	$\frac{WL^3}{48EI}$	
	$\frac{WL}{8}$	$\frac{W}{2}$	$0.013 \cdot \frac{WL^3}{EI}$	
	M	$\frac{M}{L}$	$0.0642 \cdot \frac{ML^3}{EI}$	

