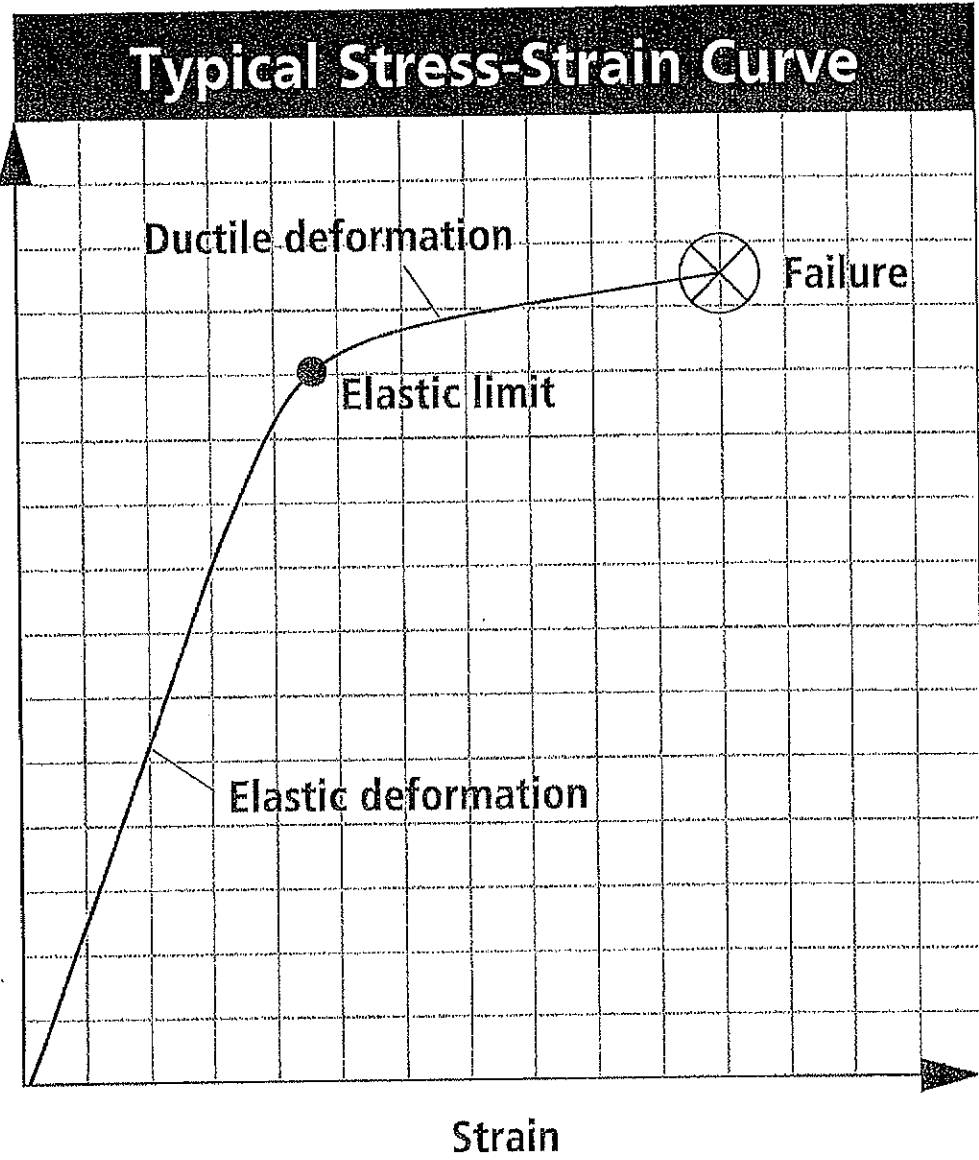


# Stress-Strain Curve



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Use with Chapter 19  
Section 19.1

# Stress-Strain Curve

1. What is stress?

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2. What is strain?

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3. According to the graph, how does strain respond to an increase in stress?

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\_\_\_\_\_

4. What part of the line represents the elastic deformation of the material?

\_\_\_\_\_

5. How does elastic deformation affect a material? Is the effect reversible?

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\_\_\_\_\_

6. What part of the line represents ductile deformation of the material?

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\_\_\_\_\_

7. What happens to a material during ductile deformation?

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8. What happens when stress exceeds the strength of a material?

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