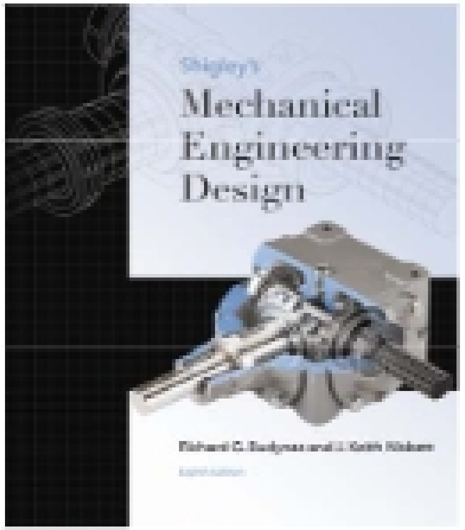
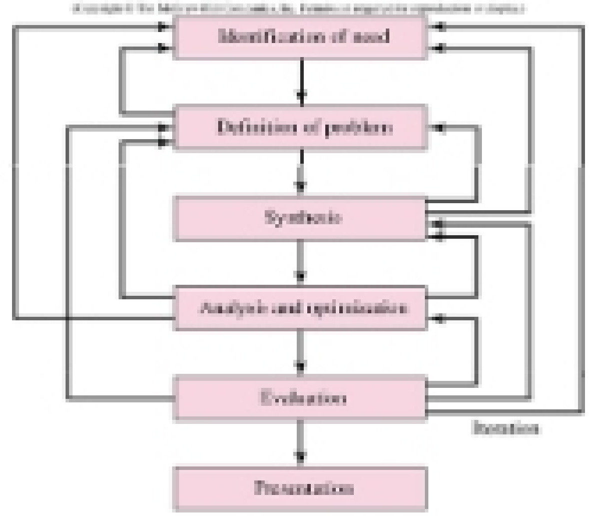
The McGraw-Hill Companies

Chapter 1
Image Slides





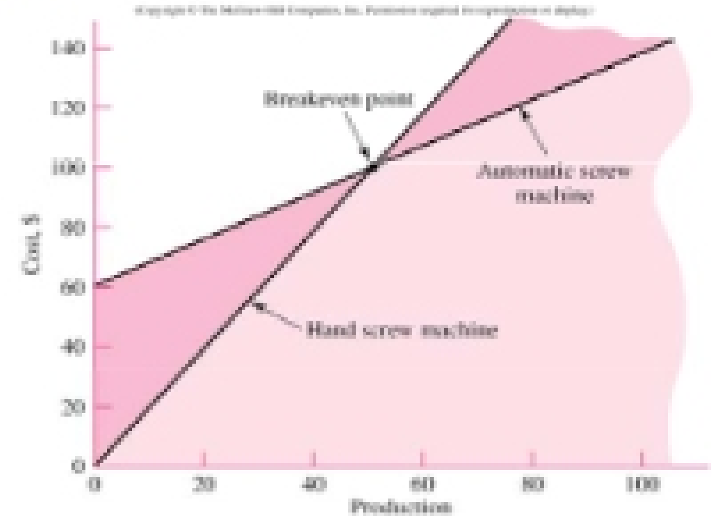
DESIGN PHASES

DESIGN CONSIDERATIONS

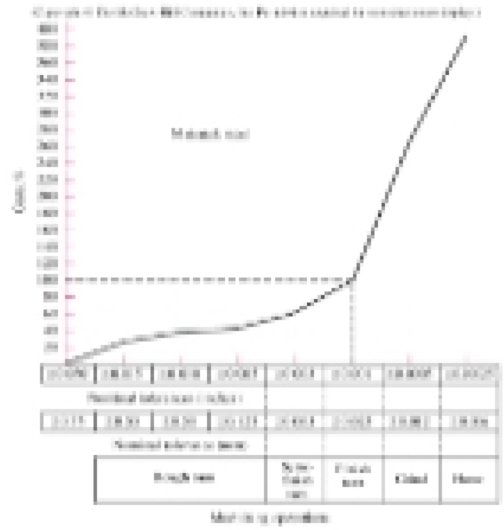
- Functionality
- Strength/Stress
- Distortion/Deflection/Stiffness
- Safety
- Cost/Economics
- Noise
- Many Others….

Other Considerations

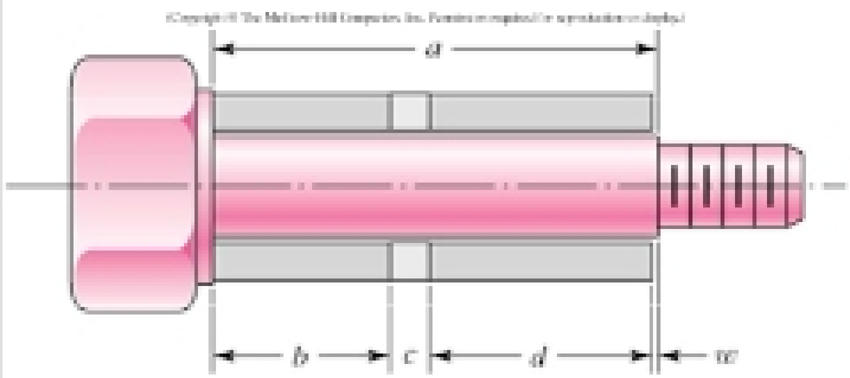
- Uncertainty
- Design Factor
- Factor of Safety
- Dimensions and Tolerances
- Units
- Significant Figures
- Transmission Case Study



BREAK EVEN POINT



EFFECT OF TOLERANCES ON COST



DIMENSIONS AND TOLERANCES EXAMPLE1-3