## STUDY SET 08 SECTION VIEWS

## PROBLEMS FOR LABORATORY WORK

8.1 Problem 8.1 (Figure 8.53 (C))

Sketch, or draw with CAD, full-section views. Each grid is 0.25 " or 10 mm .

8.2 Problem 8.2 (Figure 8.54 (D))

Sketch, or draw with CAD, offset-section views. Each grid is $0.25^{\prime \prime}$ or 10 mm .

8.3 Problem 8.3 (Figure 8.55 (B))

Sketch, or draw with CAD, half-section views. Each grid is $0.25^{\prime \prime}$ or 10 mm .


### 8.4 Problem 8.5 (Figure 8.57 (5))

Sketch, or draw with CAD, the views with sections as indicated by the cutting plane lines. Each grid is 0.25 " or 10 mm.

(5)

### 8.5 Problem 8.5 (Figure 8.57 (18))

Sketch, or draw with CAD, the views with sections as indicated by the cutting plane lines. Each grid is 0.25 " or 10 mm.

(18)

### 8.6 Problem 8.6 (Figure 8.59) Counter Block

Sketch, or draw with CAD, then create the necessary views, including a section view, or create a 3-D model.


### 8.7 Problem 8.6 (Figure 8.63) Taper Collar

Sketch, or draw with CAD, then create the necessary views, including a section view, or create a 3-D model.


### 8.8 Problem 8.6 (Figure 8.65) Heavy-Duty V-Pulley

Sketch, or draw with CAD, then create the necessary views, including a section view, or create a 3-D model.


### 8.9 Classic Problem 1 - End Plate

Select views that will best describe the piece. Draw the multiviews, one of which is sectioned.


### 8.10 Figure 8.70 - Roller-Model TX

Construct 3-D solid part, then create the necessary views, including a section view.


## SELECTEDPROBLEMS

8.1 Problem 8.1 (Figure 8.53 (D))

Sketch, or draw with CAD, full-section views. Each grid is $0.25^{\prime \prime}$ or 10 mm .

8.2 Problem 8.2 (Figure 8.54 (C))

Sketch, or draw with CAD, offset-section views. Each grid is 0.25 " or 10 mm .

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8.3 Problem 8.3 (Figure 8.55 (A))

Sketch, or draw with CAD, offset-section views. Each grid is $0.25^{\prime \prime}$ or 10 mm .

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### 8.4 Problem 8.5 (Figure 8.57)

Sketch, or draw with CAD, the views with sections as indicated by the cutting plane lines. Each grid is $0.25^{\prime \prime}$ or 10 mm .

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### 8.5 Figure 8.71 - Shift Link

Construct 3-D solid part, then create the necessary views, including a section view.


### 8.6 Figure 8.72 - Hand Wheel

Construct 3-D solid part, then create the necessary views, including a section view.


HANDWHEEL

## ALUM.

METRIC
8.7 Figure 8.74 - Ceiling Fan Cover

Construct 3-D solid part, then create the necessary views, including a section view.


## CLASSIC PROBLEMS

### 8.1 Classic Problem 2 - Piston Cap

Select views that will best describe the piece. Draw the multiviews, one of which is sectioned.


### 8.2 Classic Problem 4 - Column Collar

Select views that will best describe the piece. Draw the multiviews, one of which is sectioned.


