

# Studebaker V-8 Blueprint Dimensions

## Block

- Cylinder bore: (232) 3.375, (259/289) 3.5625, (R3/R4, 304.5) 3.6562 (varies slightly depending on piston size)
- Main bearing to deck: 10.060/10.065
- Bore to bore spacing: 4.500
- Main bearing housing bore: 2.691/2.692
- Main to cam centerline: 4.6287
- Cam bearing housing bore front to back:  
1.999/2.000  
1.983/1.984  
1.968/1.969  
1.952/1.953  
1.374/1.375

## Connecting Rod

- Center to center length: 6.6255  $\pm$ .002
- Large end diameter: 2.1135/2.1140
- Large end width: .9625/9635, R3/4 .9585/.9595
- Small end diameter: .8745/.8755
- Wrist pin clamp bolt hole diameter: .3745/.3755
- Rod bolt and cap hole diameter: .3745/.3757

## Crankshaft

- Main journal diameter: 2.4995/2.500
- Rod journal diameter: 1.99925/2.00025
- 2.8125 stroke length (224)
- 3.250 stroke length (232) (259)
- 3.625 stroke length (289) (304)

## Piston

- Wrist pin hole diameter: .875  $\pm$  .0002
- Compression height (center of wrist pin hole to top)(Reference only)      259: 1.731  
289, 304: 1.593/1.603