

# Bike Crank - Geometry

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Problem Specification

1. Pre-Analysis & Start-Up

2. Geometry

3. Mesh

4. Physics Setup

5. Numerical Solution

6. Numerical Results

7. Verification & Validation

Exercises

Comments

## Geometry



For users of ANSYS 15.0, please check [this link](#) for procedures for turning on the Auto Constraint feature before creating sketches in DesignModeler.

### Start ANSYS

### Import Geometry

The geometry has been created in SolidWorks and saved as a Parasolid file. [Download the Parasolid file.](#)

The following video shows you how to import the Parasolid file into ANSYS.

Summary of the above video:

Right click on Geometry in ANSYS project, Import Geometry > Browse.

Locate and select the parasolid file of bike crank, > Open

Double click Geometry and click Generate to view the objects

[Go to Step 3: Mesh](#)

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