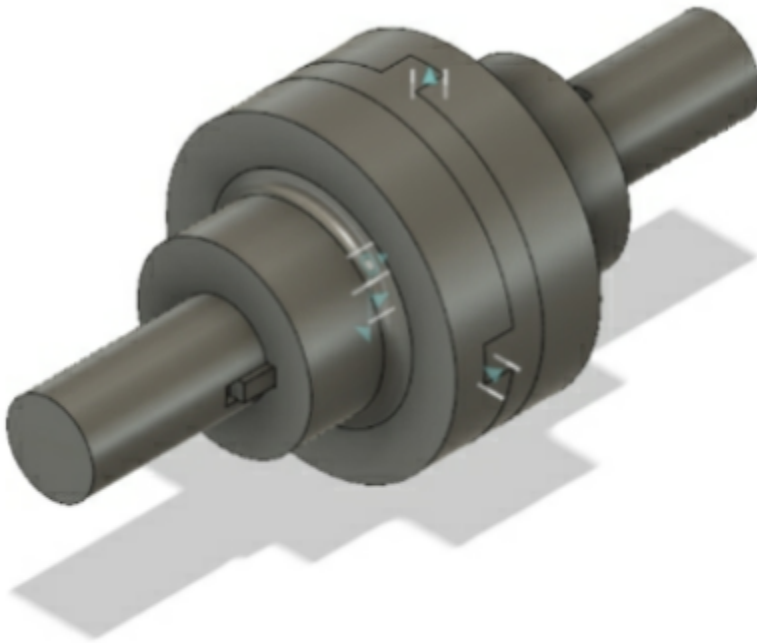


## CAD Lesson 2 Notes

### Objectives:

- Create an Assembly
- Fix Components Together Via Mates
- Create Exploded Views of Assemblies

### Tutorial 1



PARTS LIST		
ITEM	PART NUMBER	QTY
1	Disc	1
2	Flange	2
3	Shaft	2
4	Key	2

### Two Approaches To Develop Assemblies

- Top-Down Approach  
The assembly file is created first and components are created in that file.

- Bottom-Up Approach

The components are created first, and then added to the assembly file.

Most CAD Programs offer ways to utilize both approaches. Approach choice depends on the unique characteristics of the project, workflow and user.

Assembly

Entire Model

Sub Assembly

Portion of your model

Found in the Assemble Tool Bar



Ground -

Fixing your part in space. One part must always be ground for animations to work

Joint -

Point of connection between Bodies in an assembly



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