

Practice Exercise – Knuckle Joint

Drawings, Introduction to SOLIDWORKS



Summary:

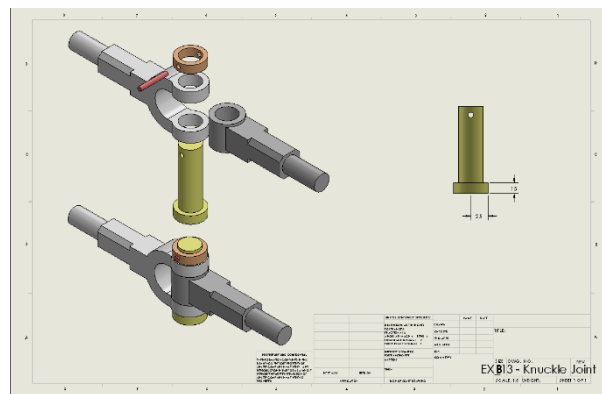
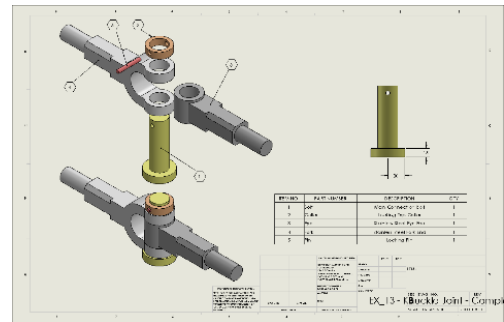
In this exercise, you'll add balloons to an exploded view in a drawing. You'll then add a Parts List to the drawing that matches the balloons in the exploded view. This Parts List will be customized to include a description of each part used in the assembly. Finally, the Bolt component's geometry will be updated by modifying a dimension in the drawing.

Reference Lessons:

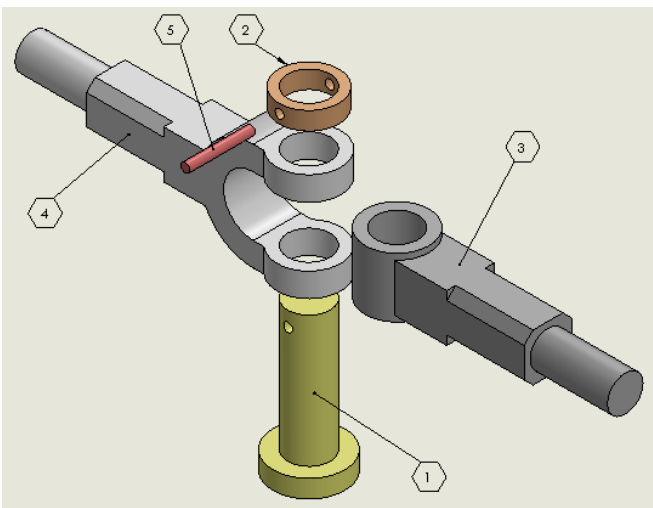
- [Associativity](#)
- [Bill of Materials](#)
- [Balloons](#)

Instructions:

1. Download and unzip the files found [here](#).
2. Open the SOLIDWORKS drawing file "Knuckle Joint.SLDDRW".



3. Add balloons to the exploded view, and create the Bill of Materials as shown in the images below. Make sure the balloons and Parts List matches exactly.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Bolt	Main Connection Bolt	1
2	Collar	Locking Top Collar	1
3	Eye	Stainless Steel Eye End	1
4	Fork	Stainless Steel Fork End	1
5	Pin	Locking Pin	1

Practice Exercise – Knuckle Joint

Drawings, Introduction to SOLIDWORKS

4. Adjust the dimension in the drawing so that the radius of the Bolt changes from 25mm to 30mm.

