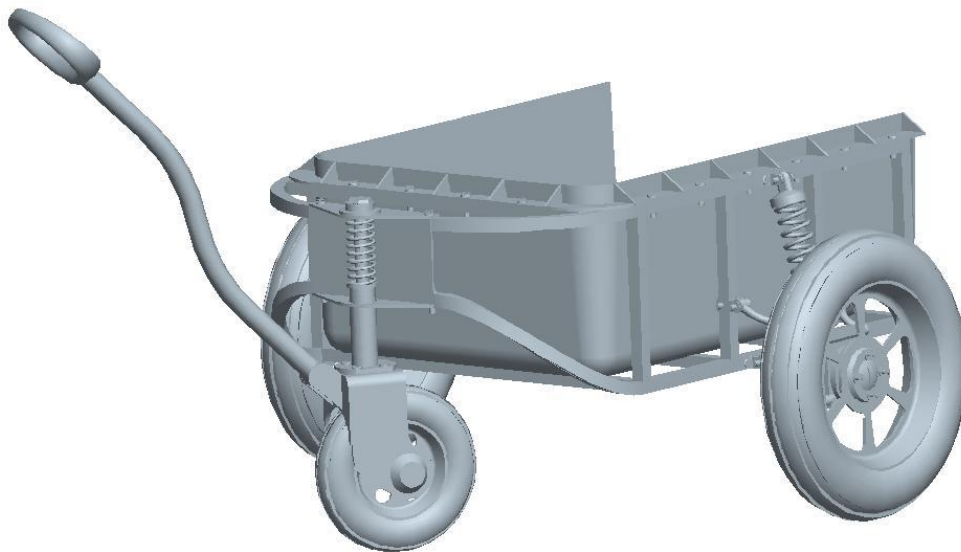


# **Pro/ENGINEER Wildfire 2.0**

## **Advanced Tutorial**

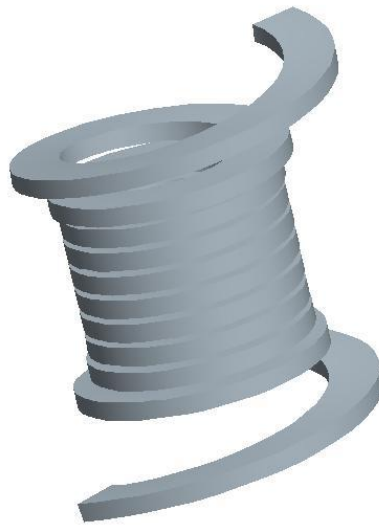
**By: David S. DeWolf**

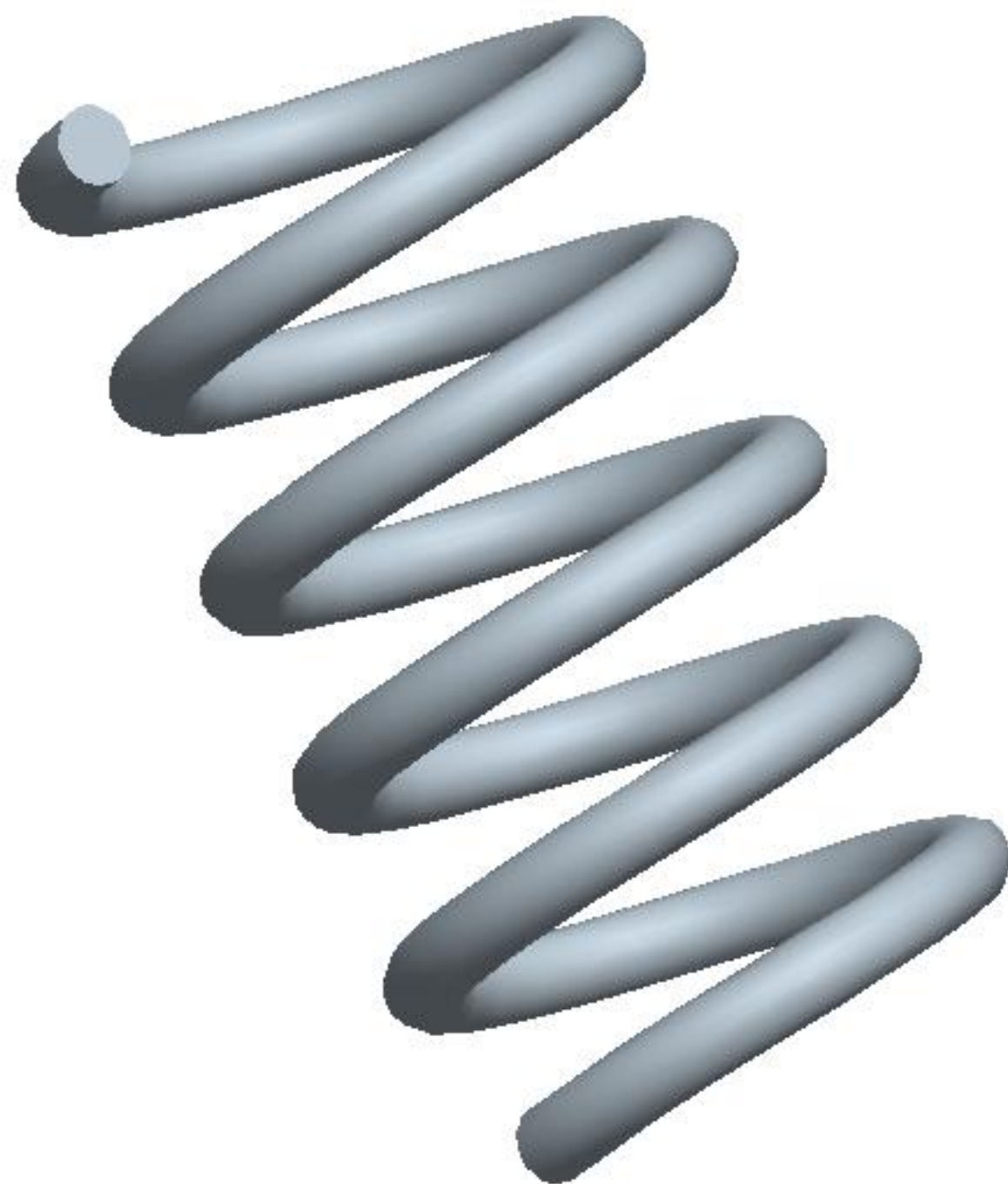


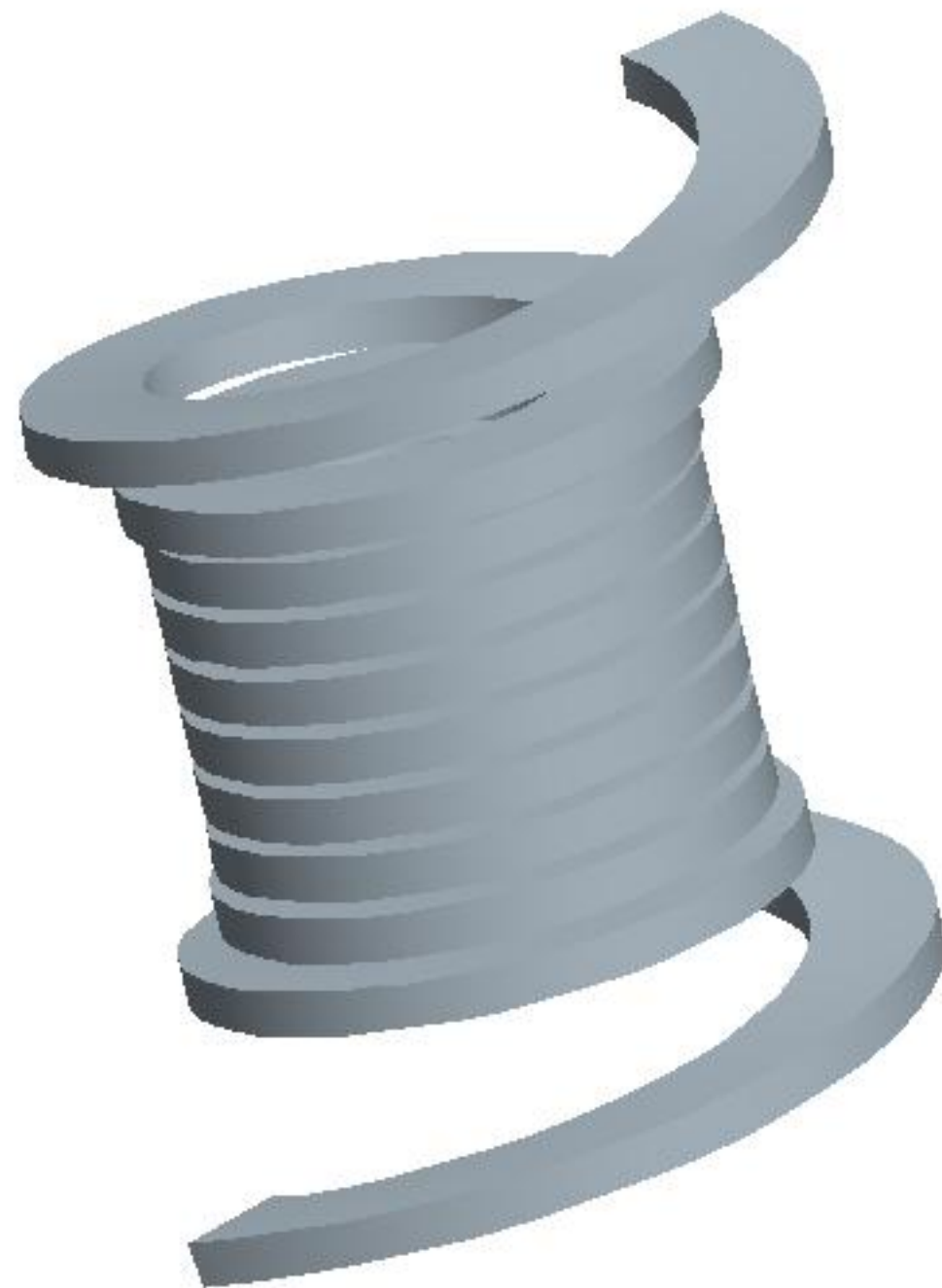
# Table of Contents

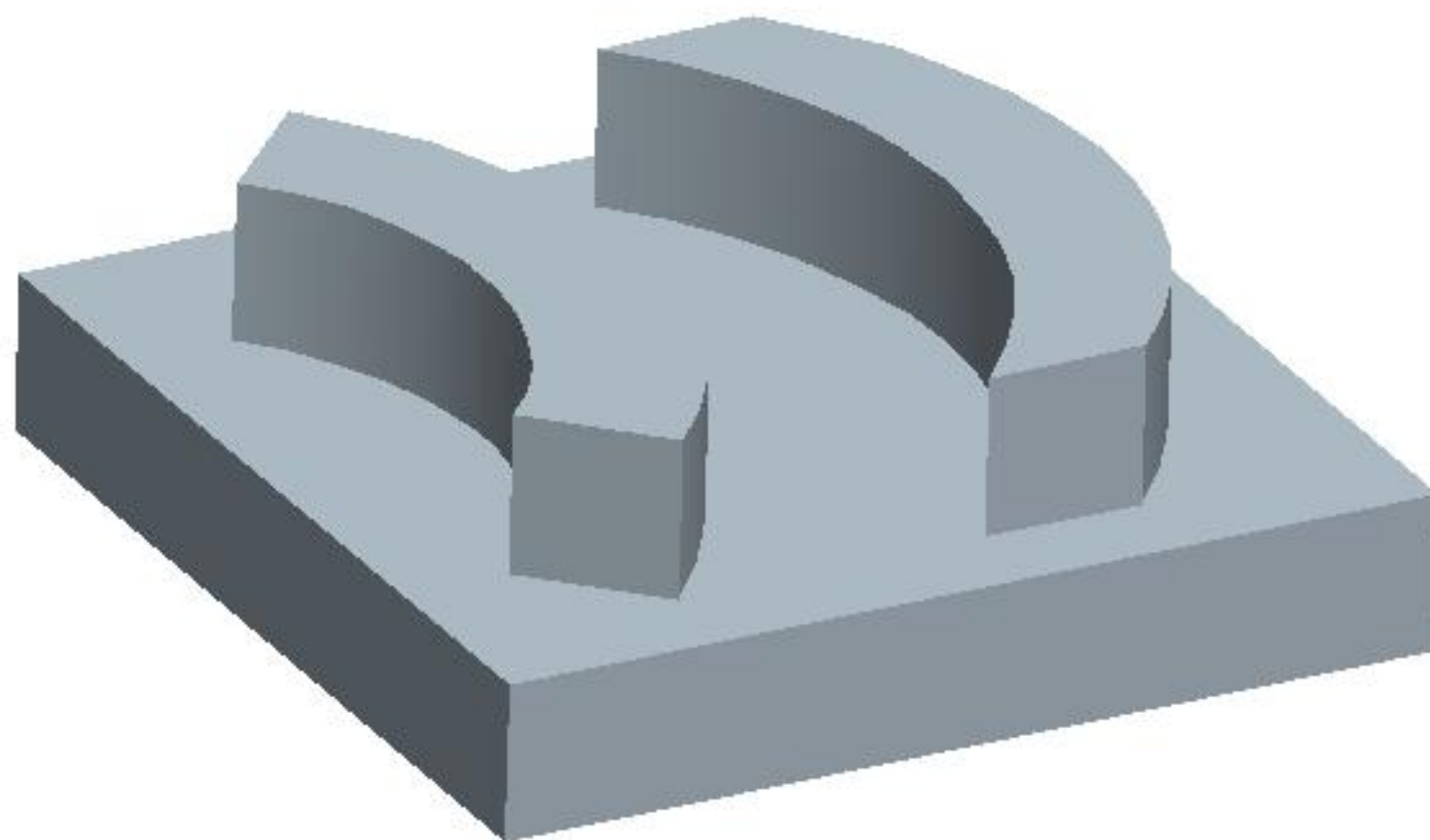
<b>2</b>	Helical and Variable Section Sweeps	1
<b>3</b>	Advanced Rounds and Tweaks	13
<b>4</b>	Patterns and Family Tables	18
<b>5</b>	User Defined Features (UDF's)	26
<b>6</b>	Pro/Program and Layers	33
<b>7</b>	Advanced Drawing Functions	37
<b>8</b>	Project and Working with Assemblies	47

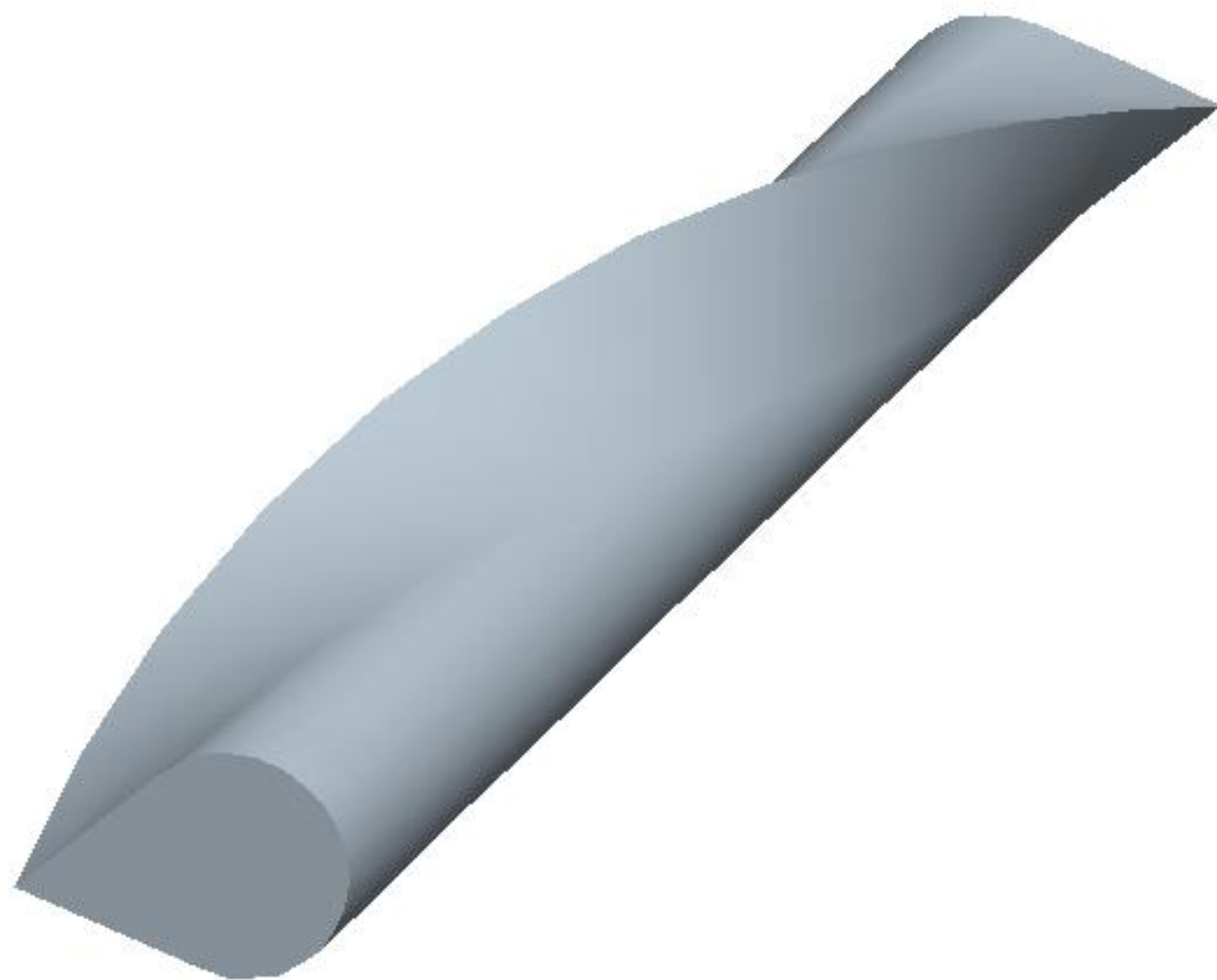
## LESSON 2 – Helical and Variable Section Sweeps

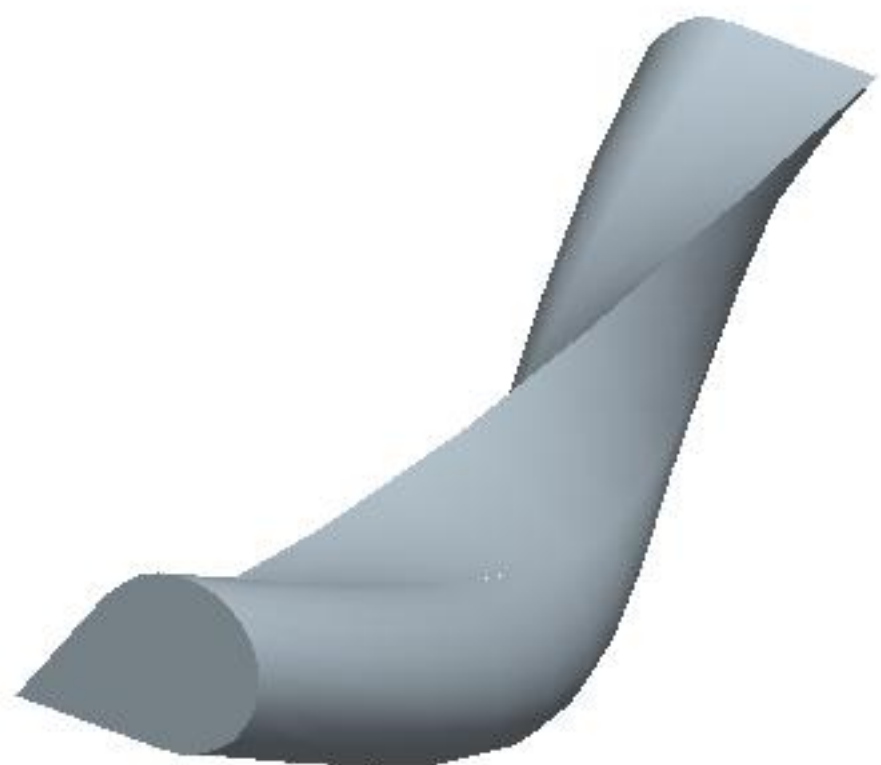




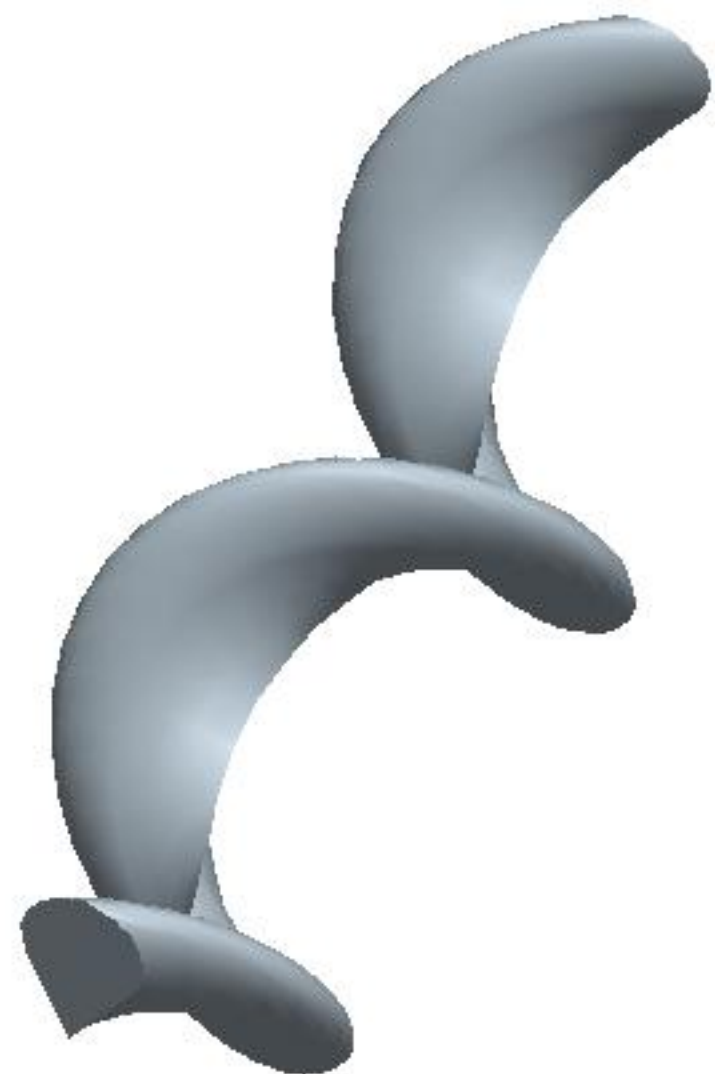


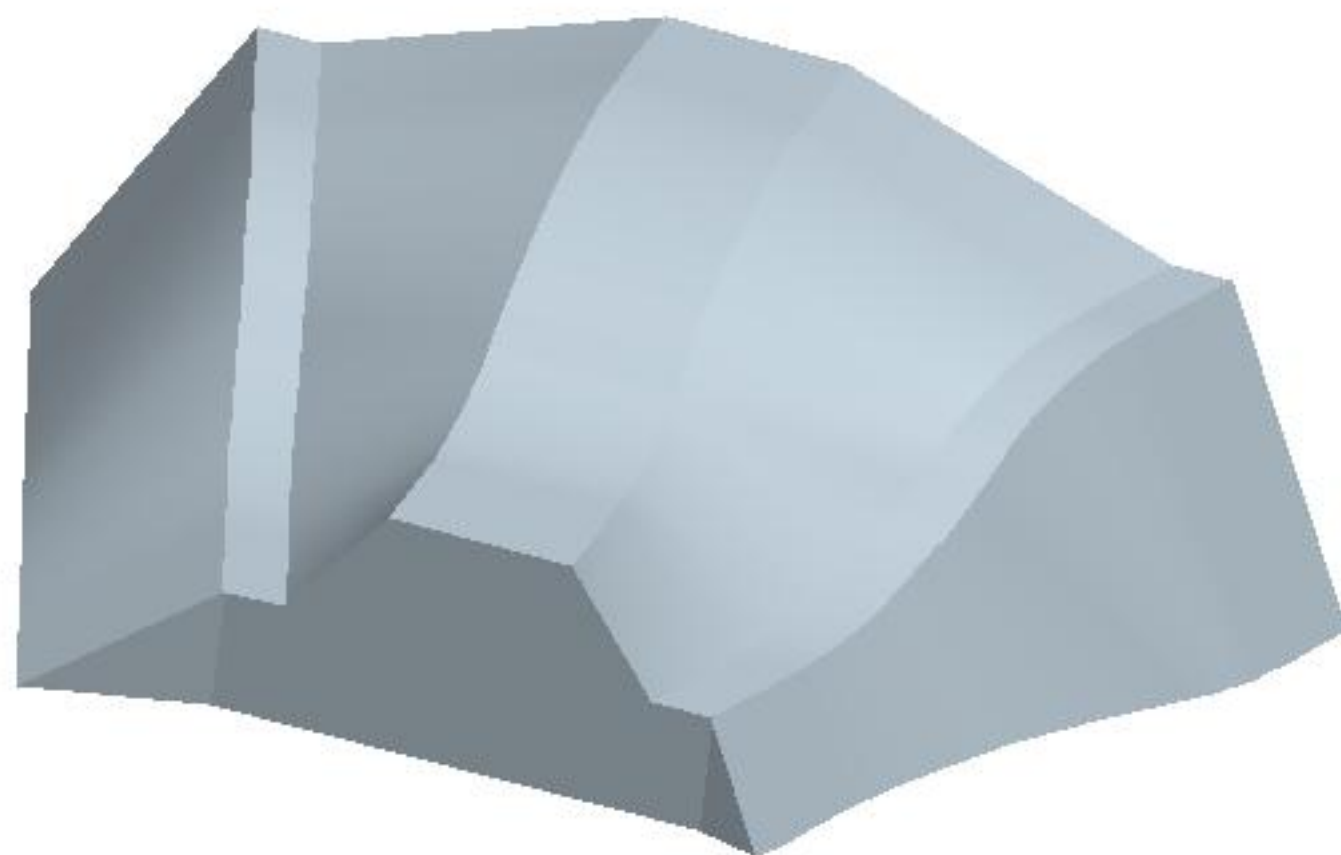


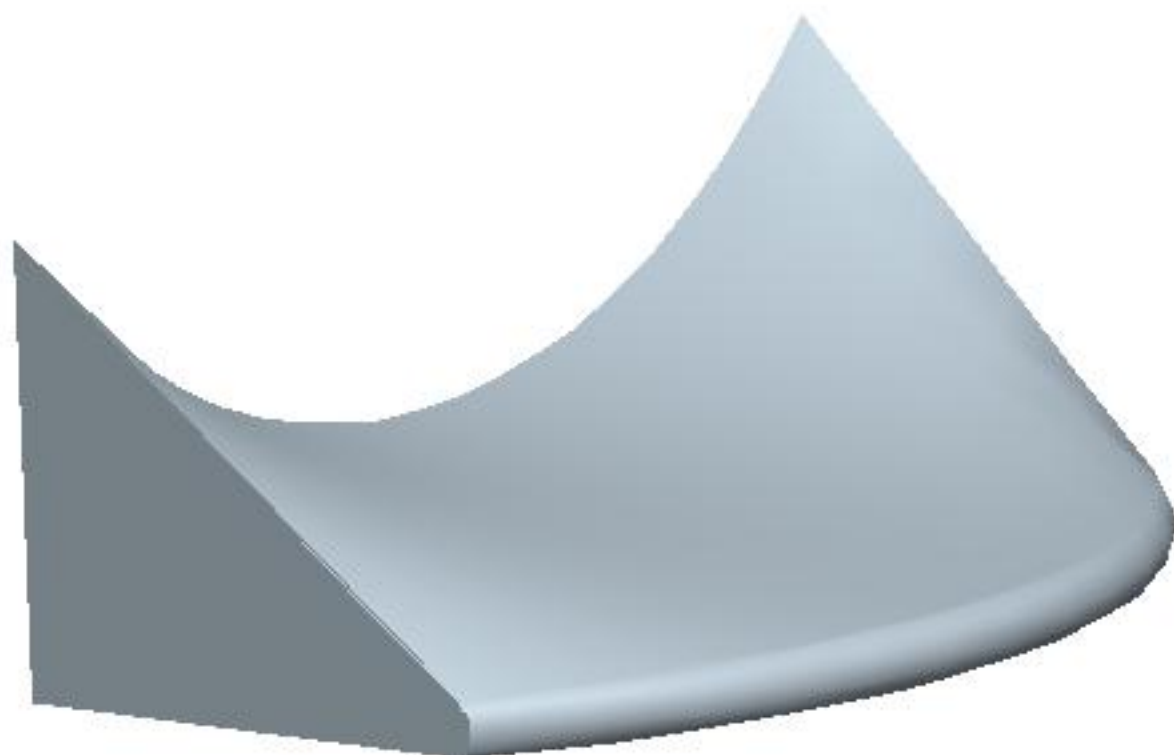


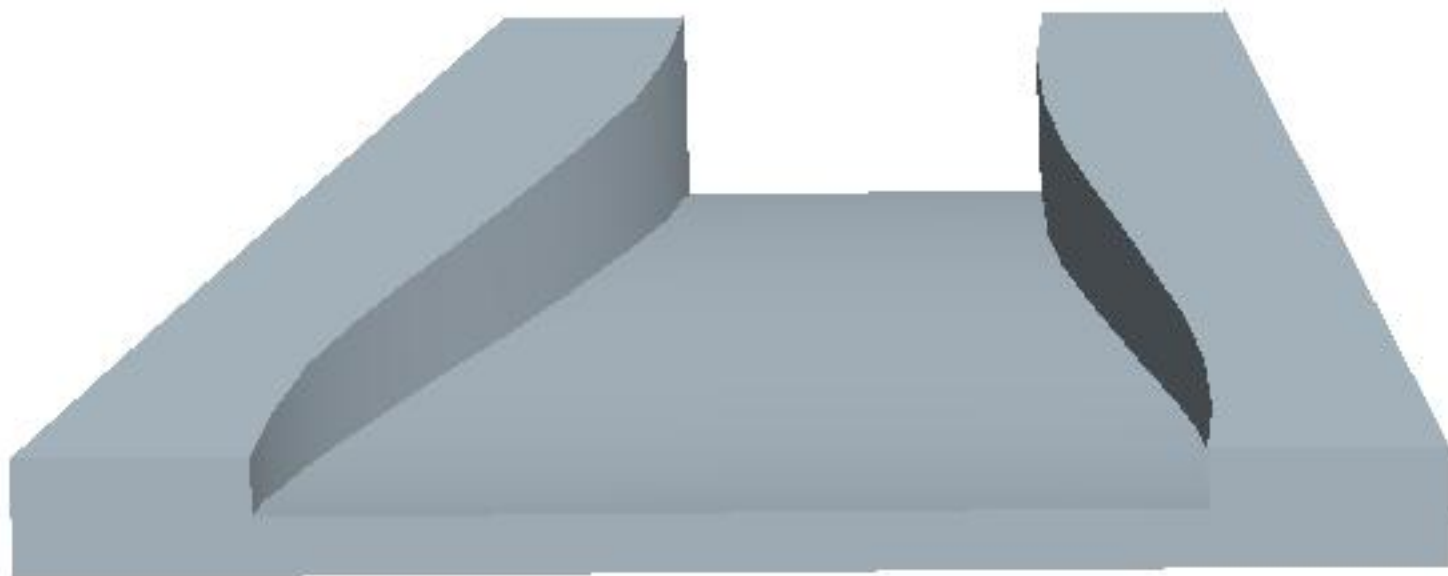


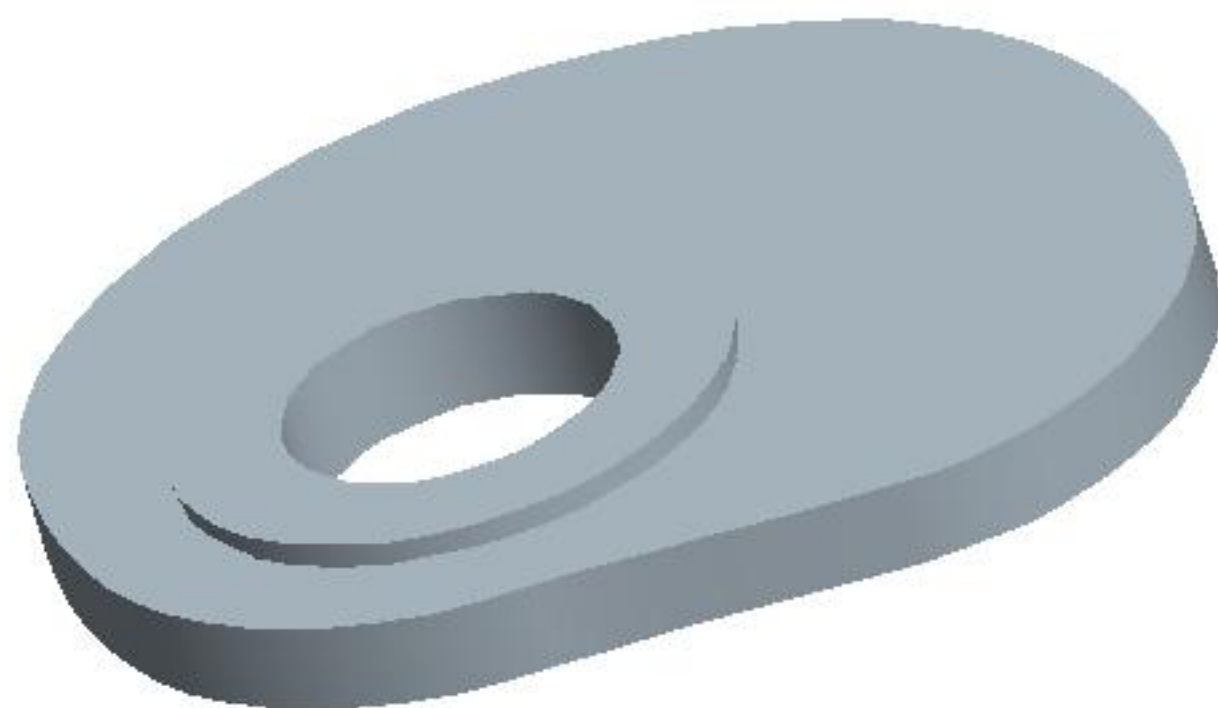


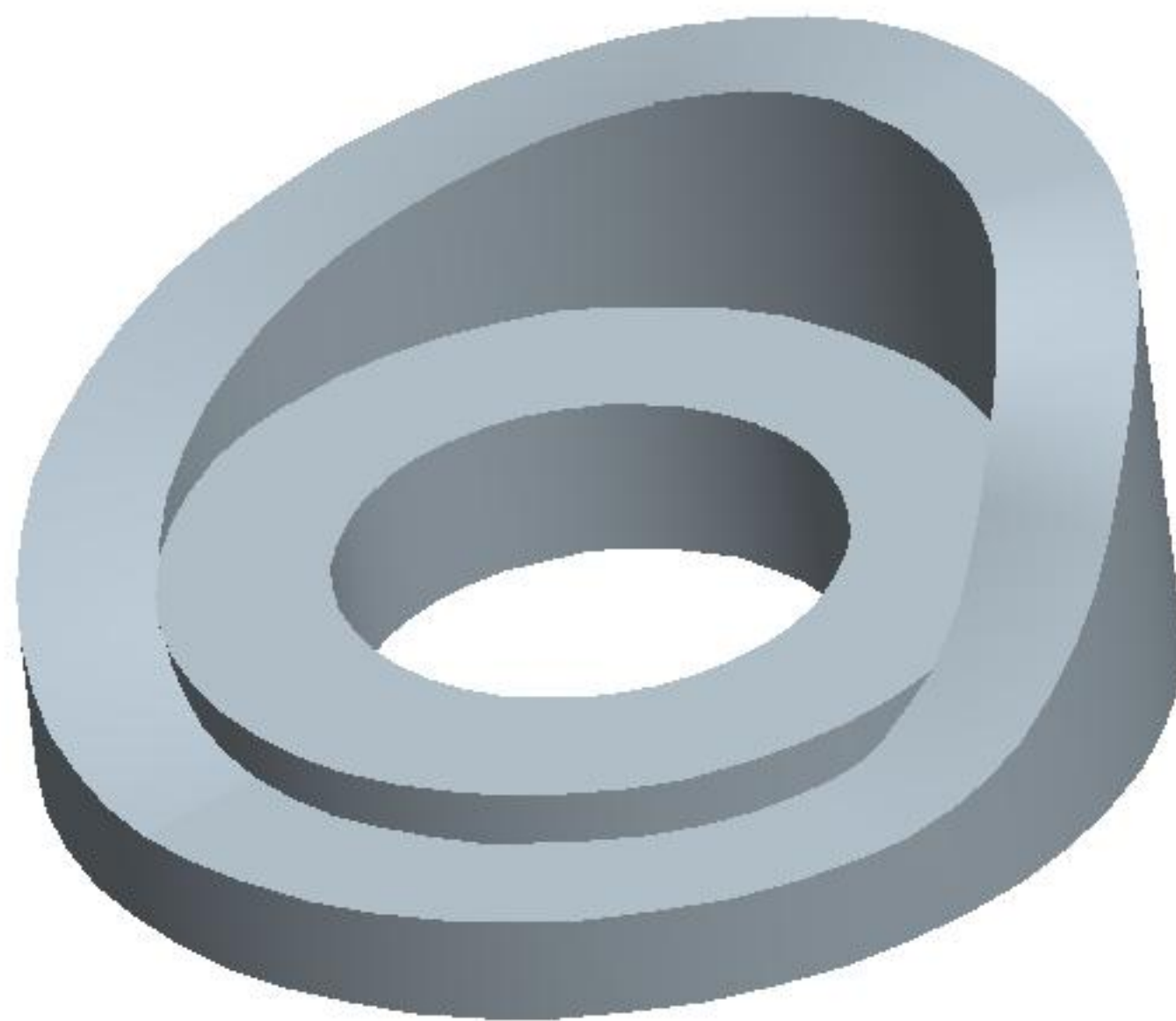




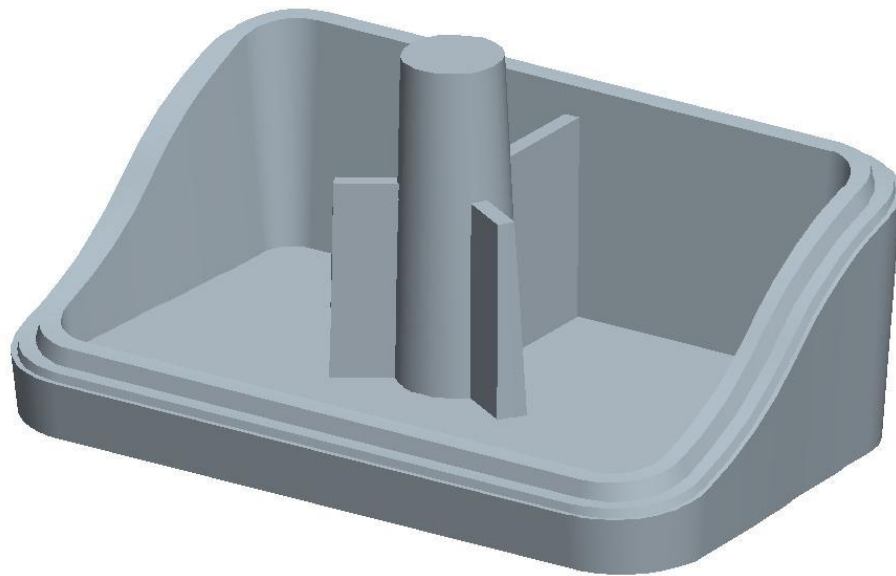


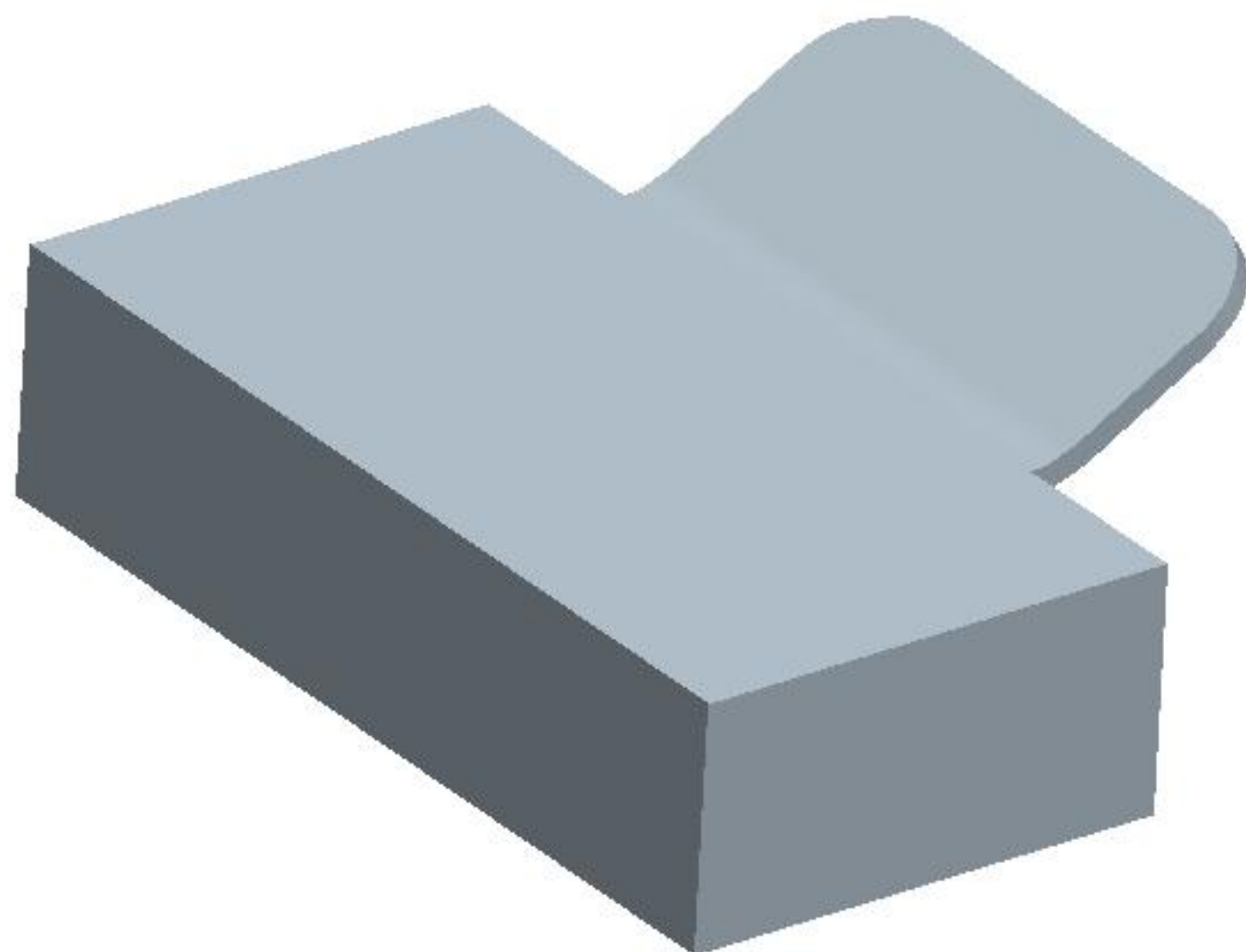




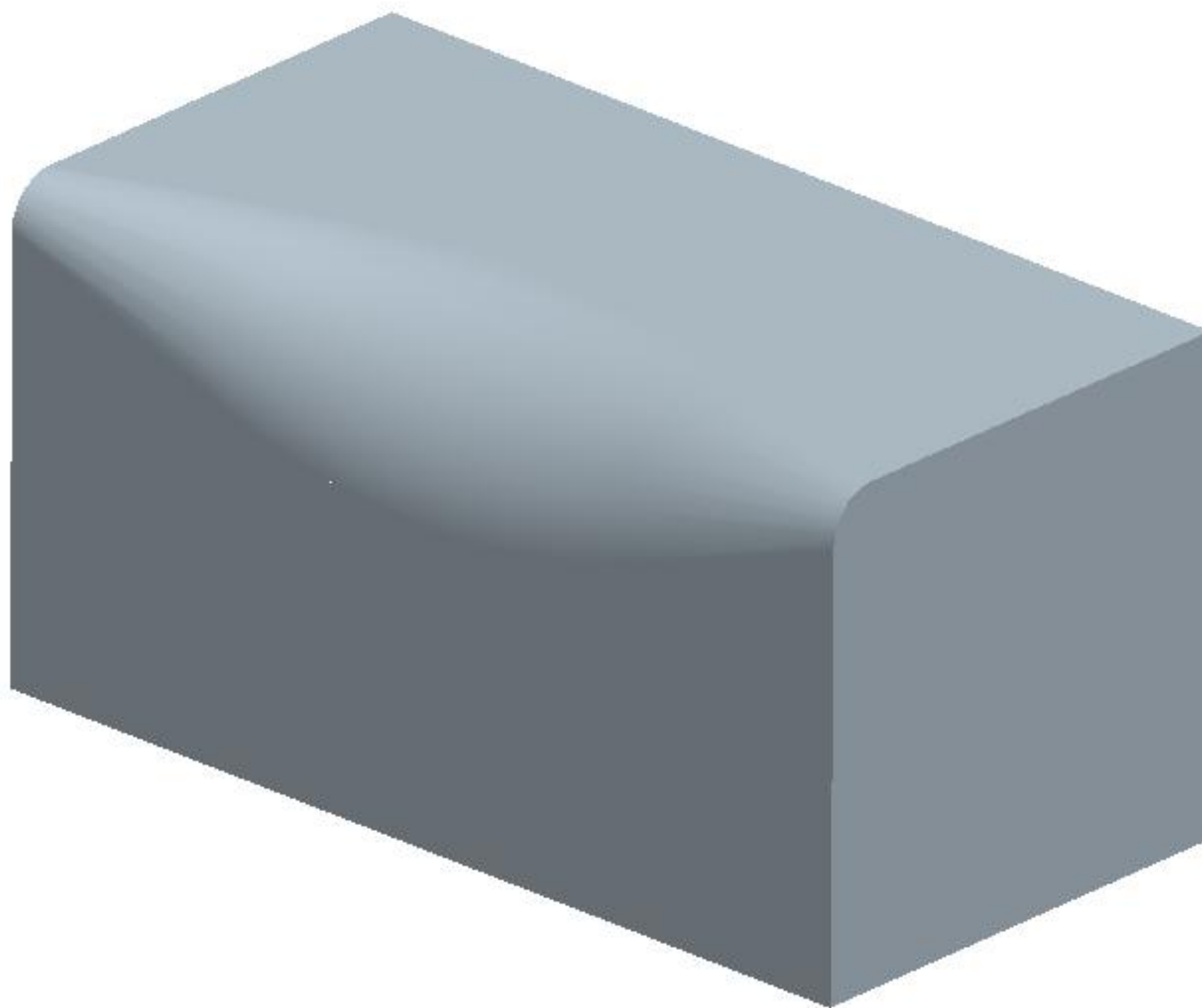


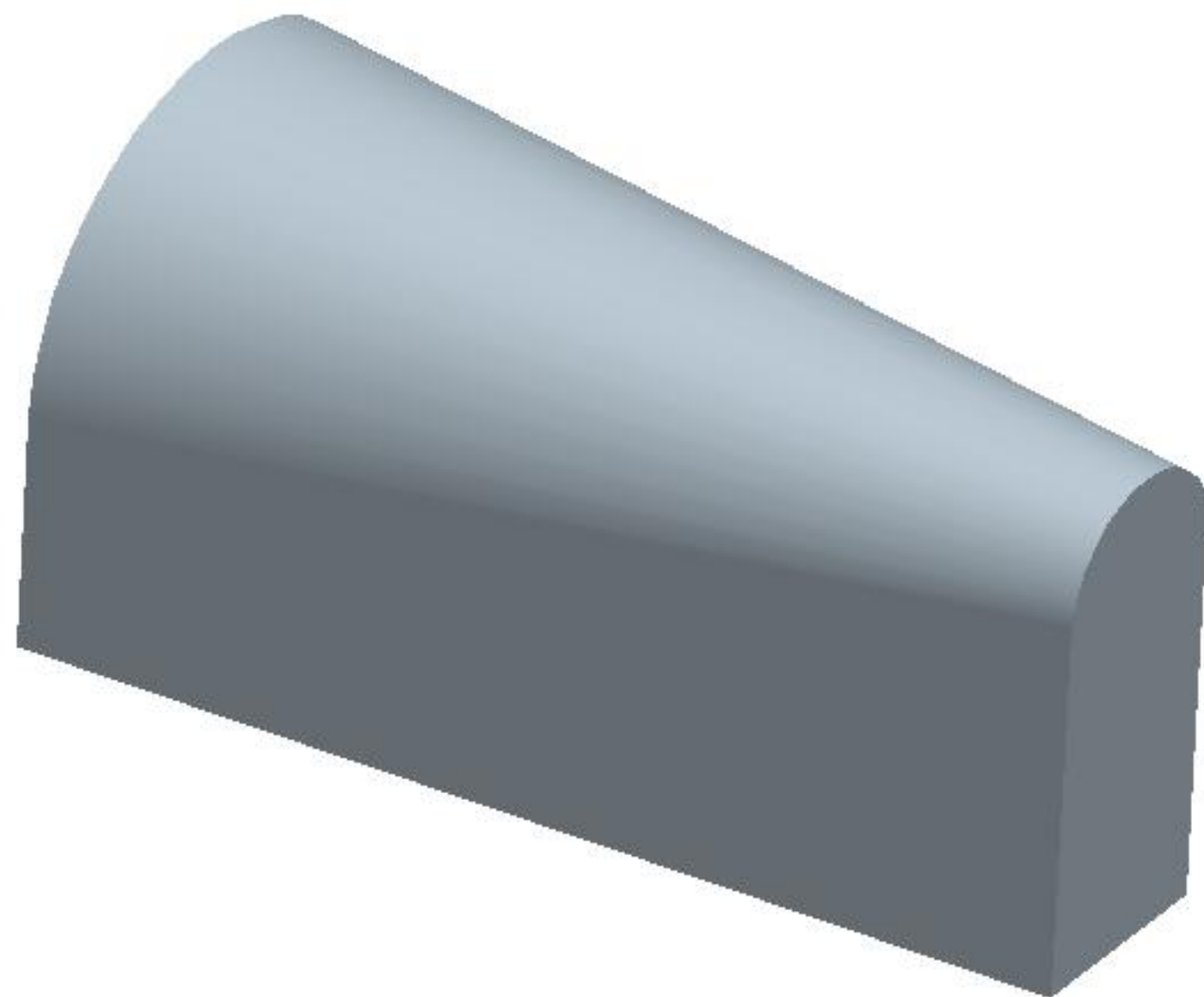
## LESSON 3 – Advanced Rounds and Tweaks

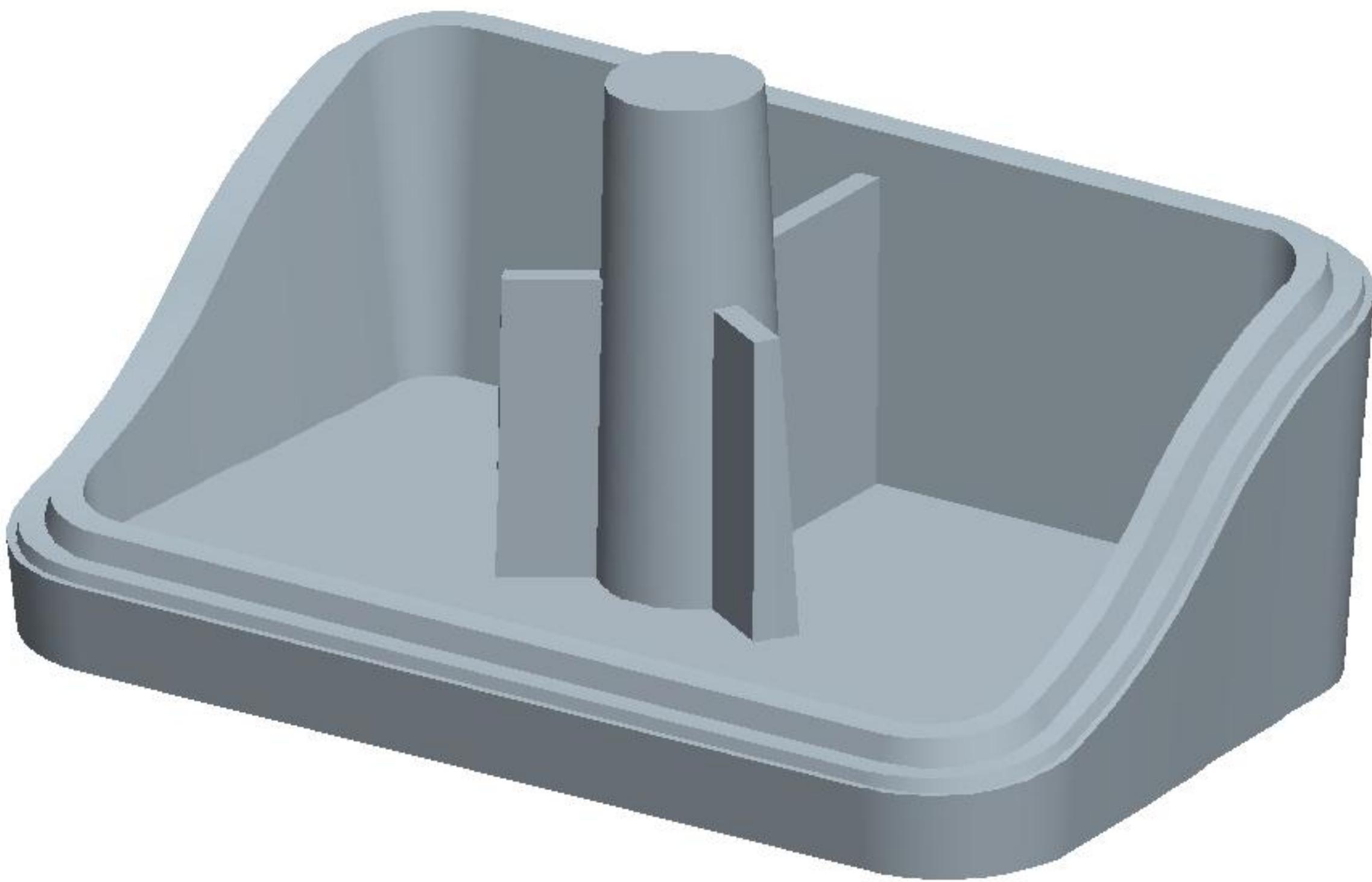




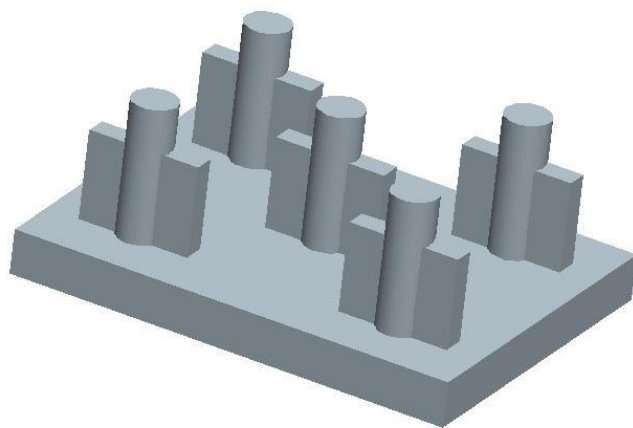


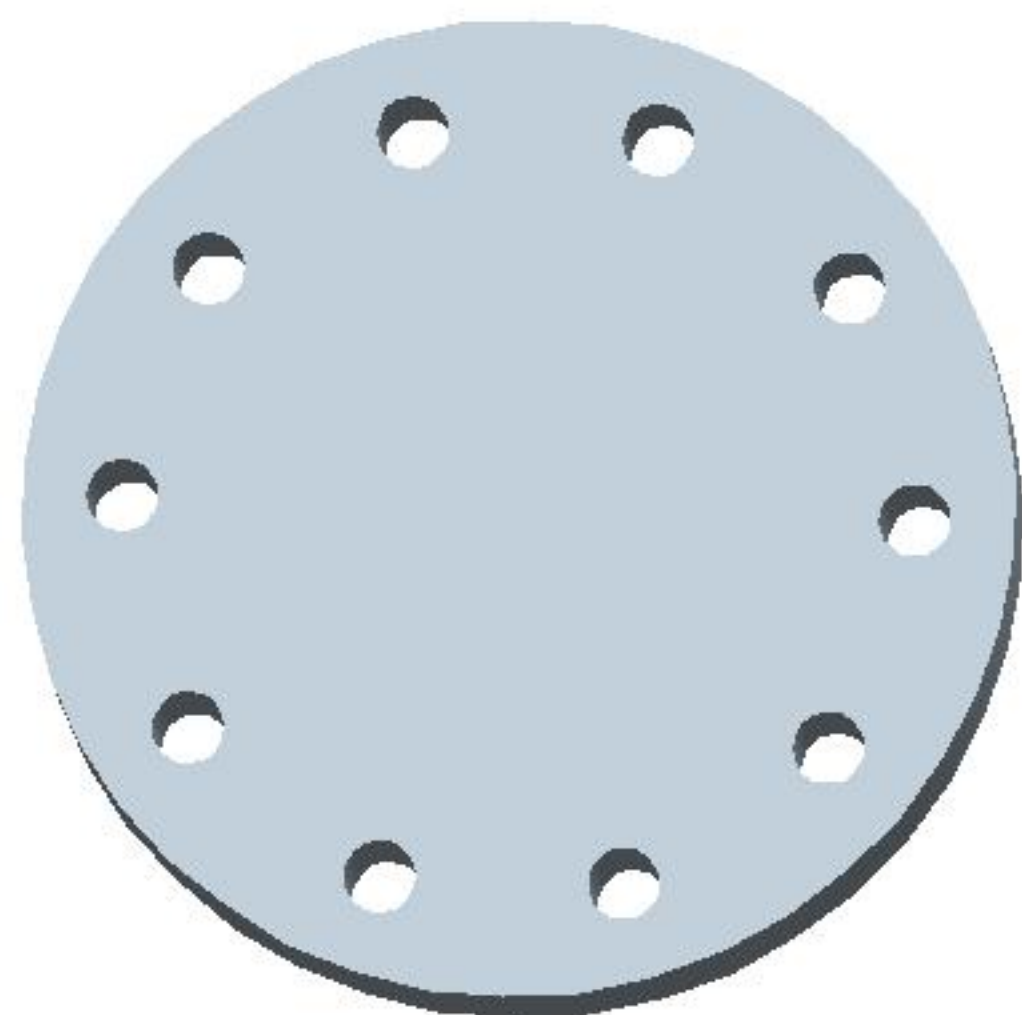


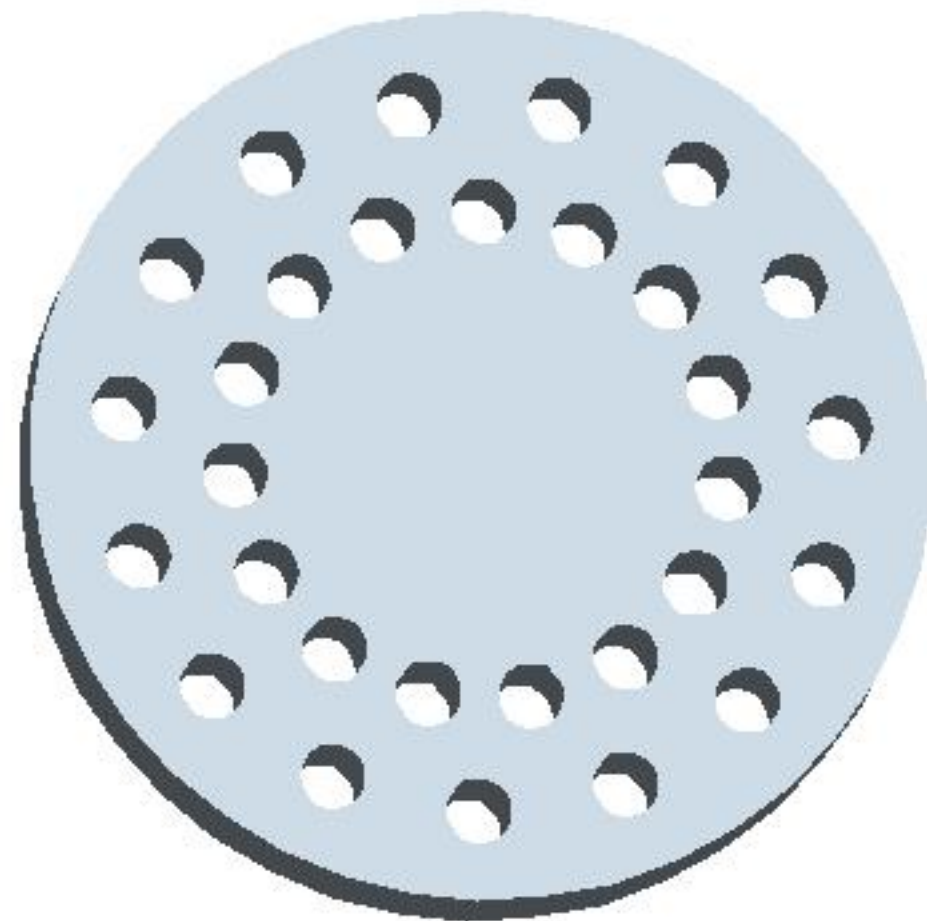


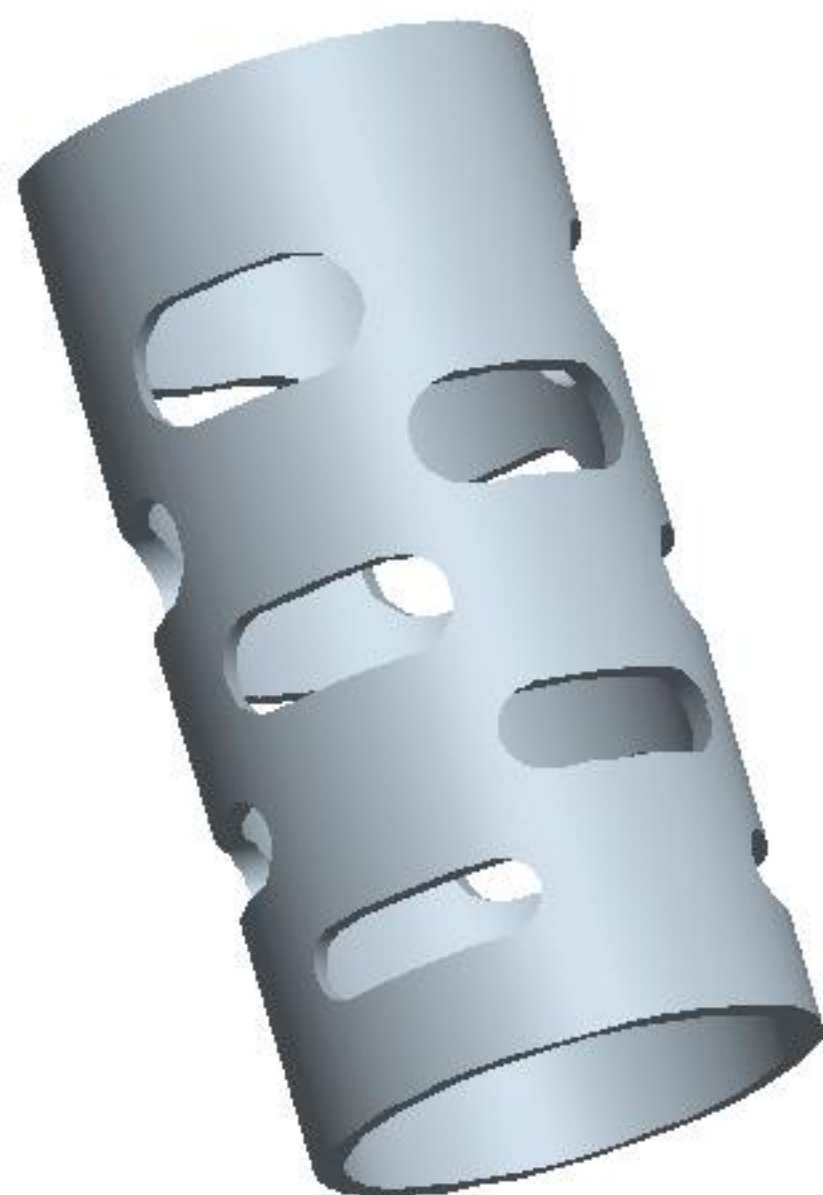


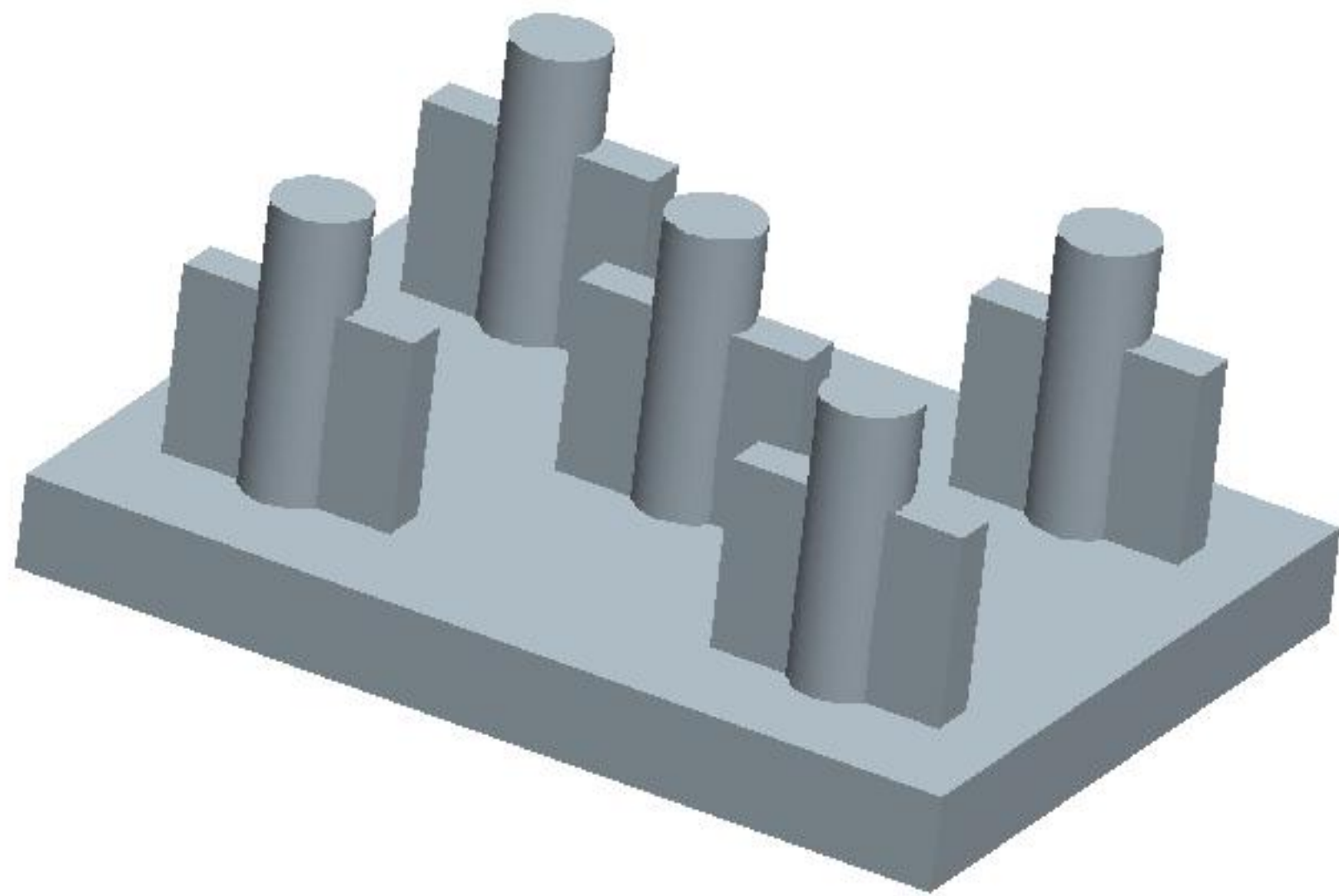
## LESSON 4 – Patterns and Family Tables



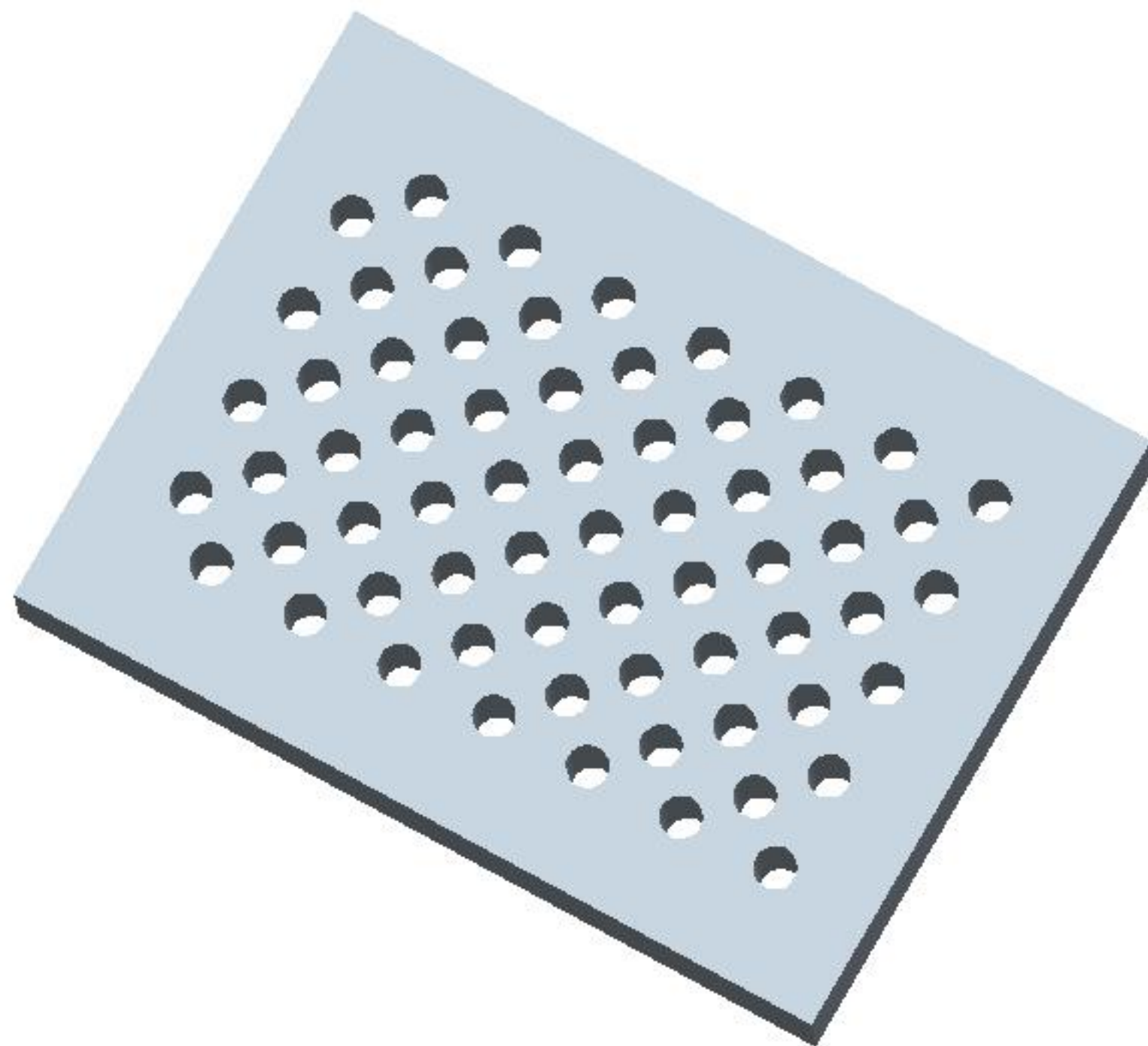


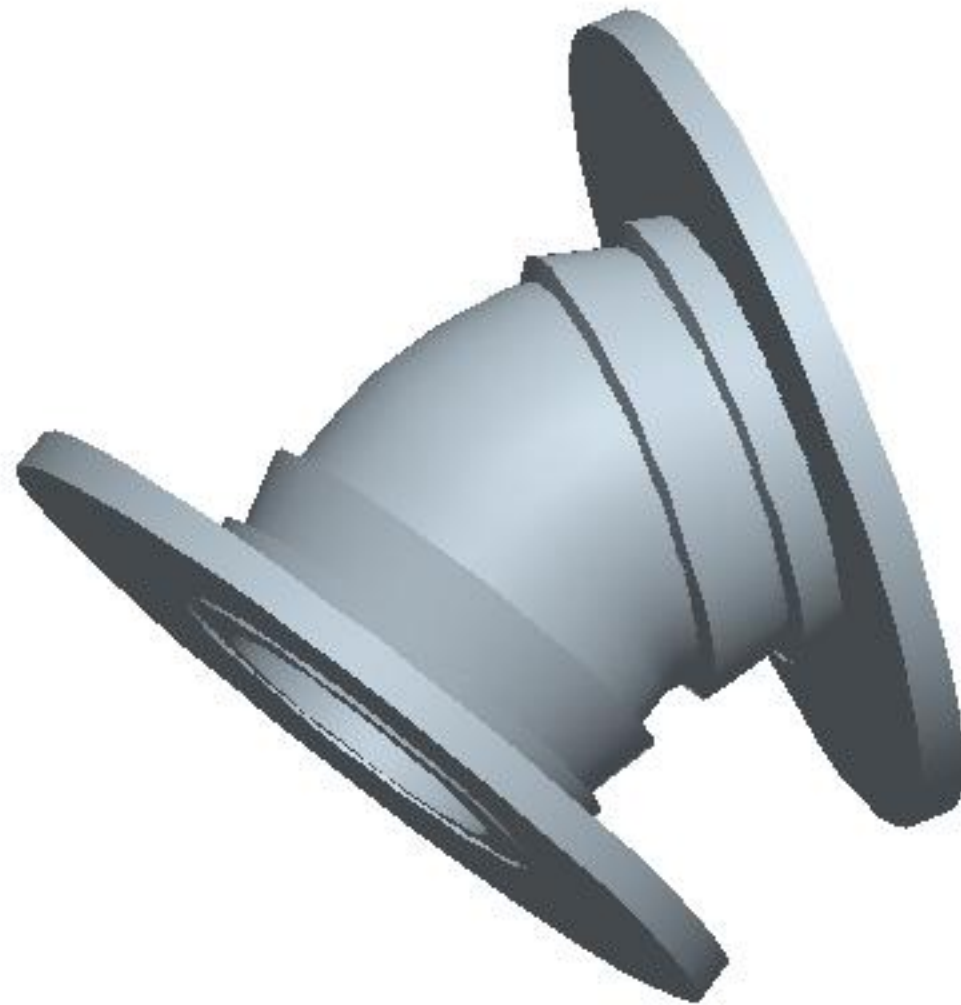










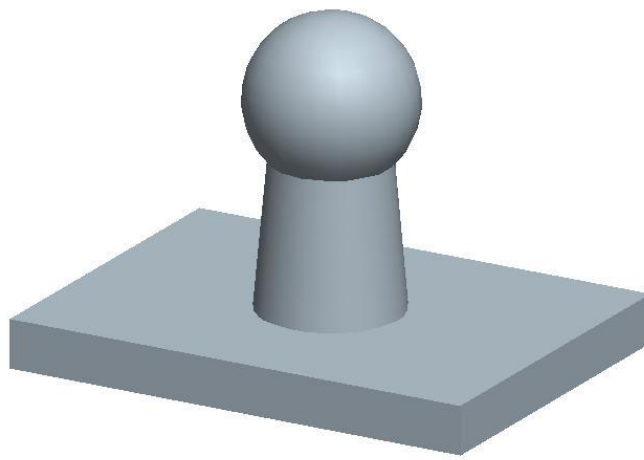


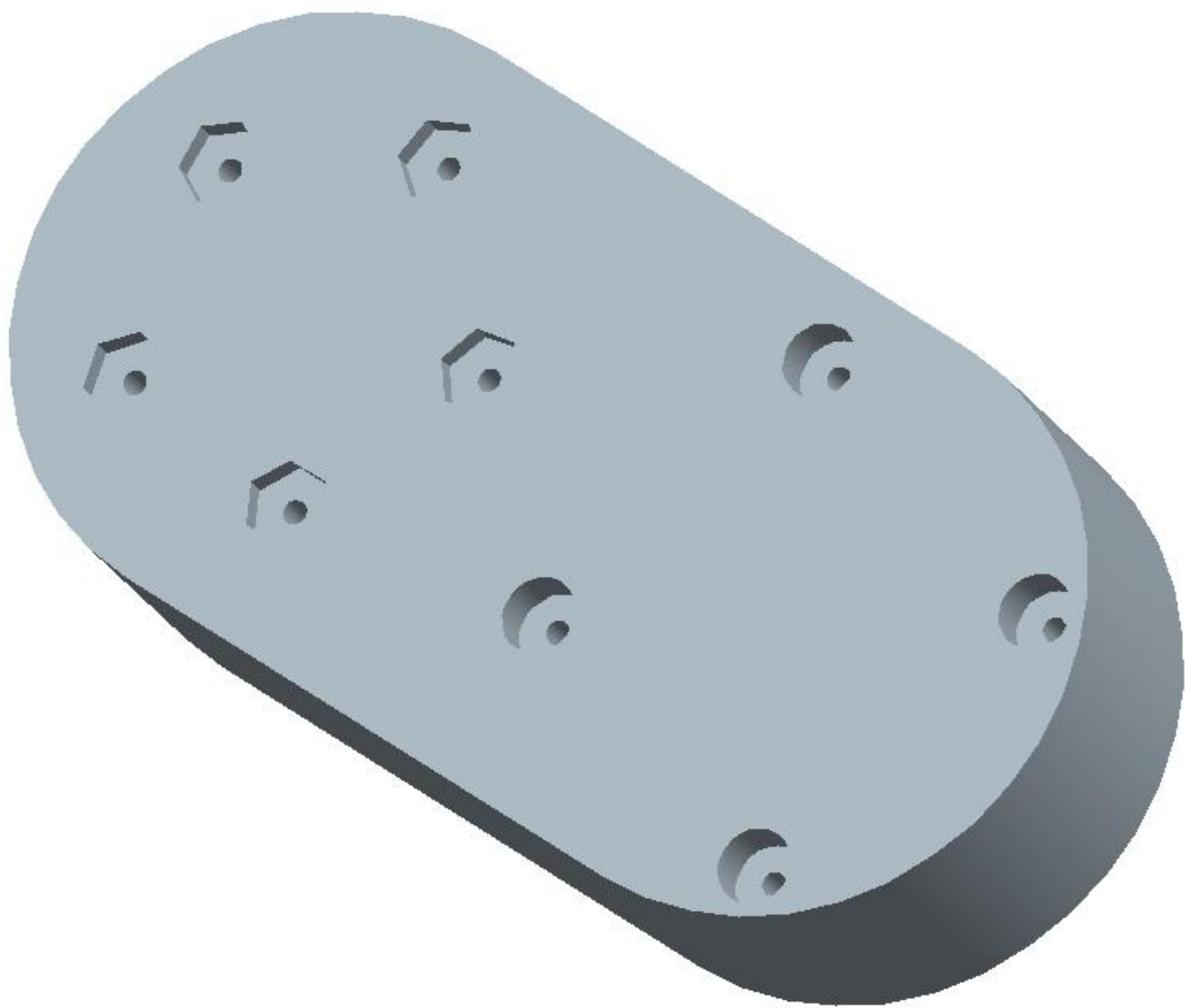
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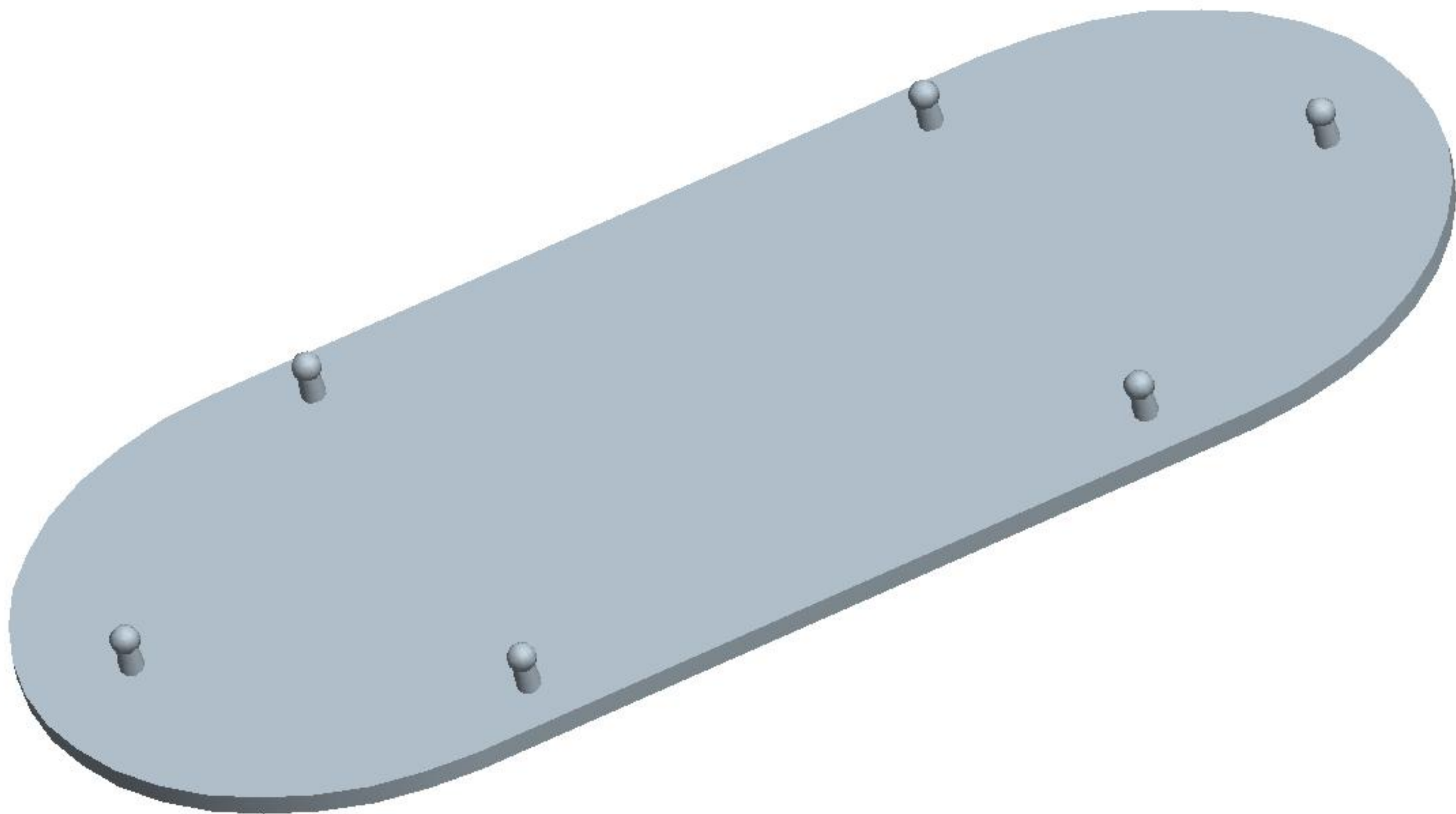


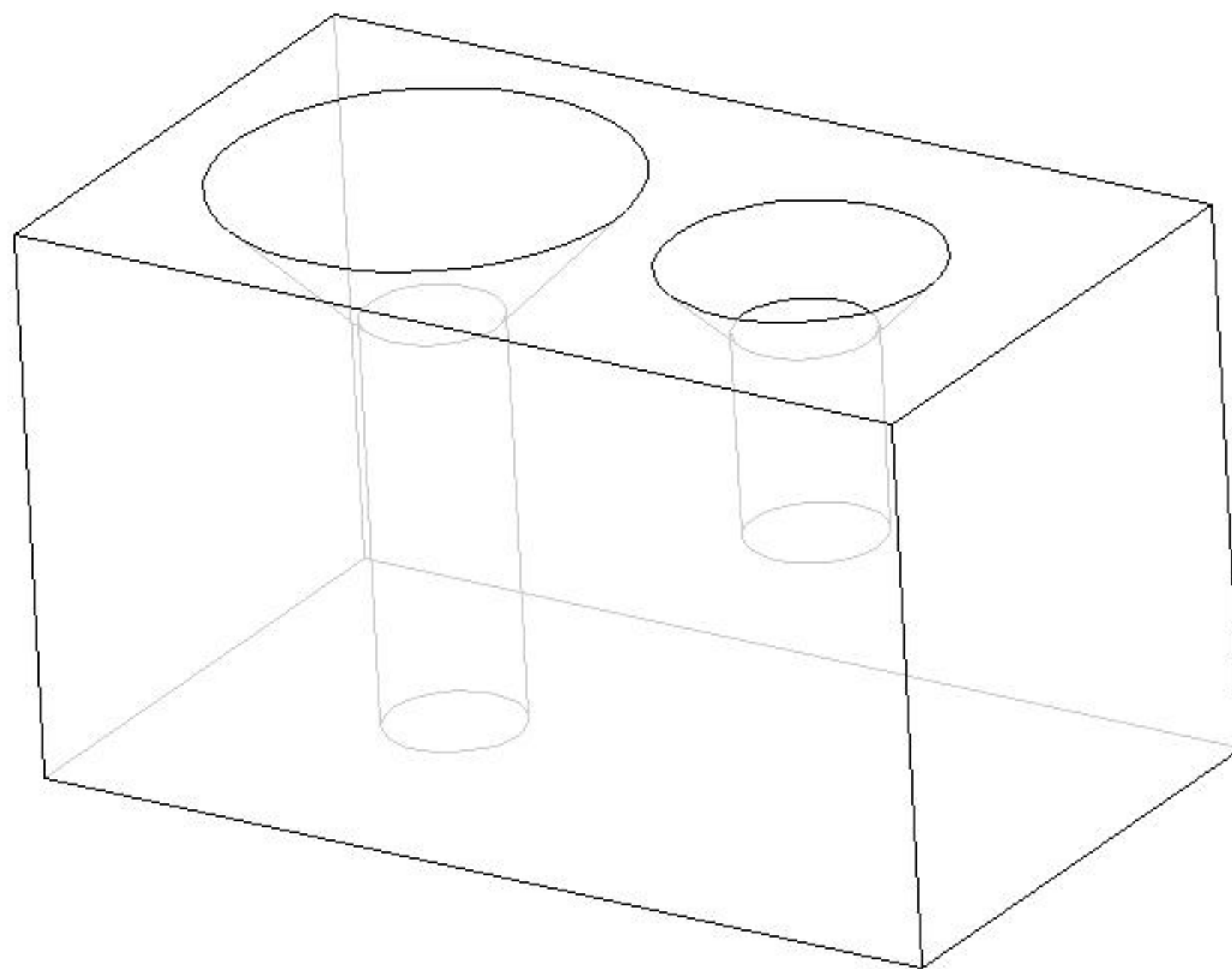
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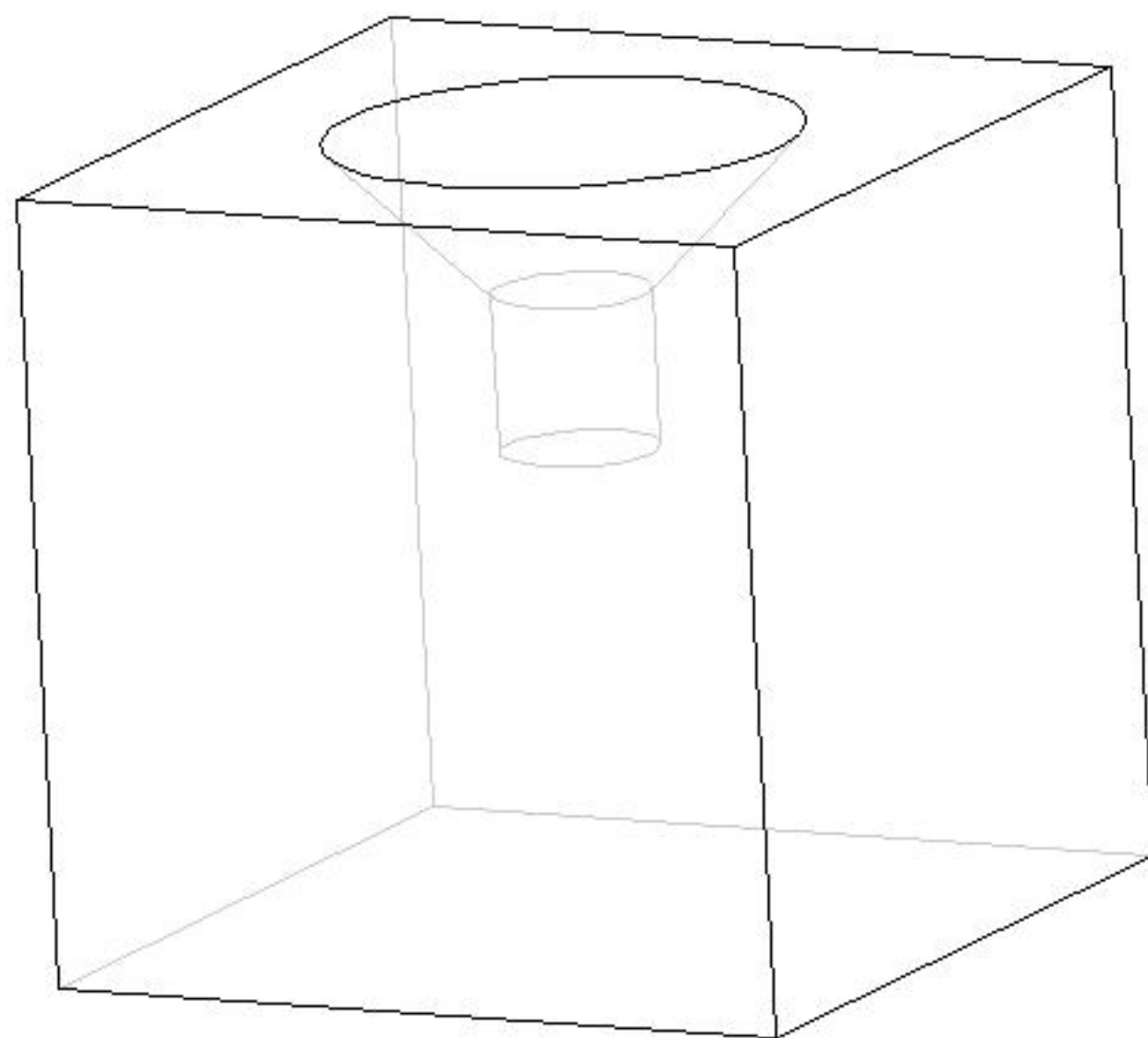
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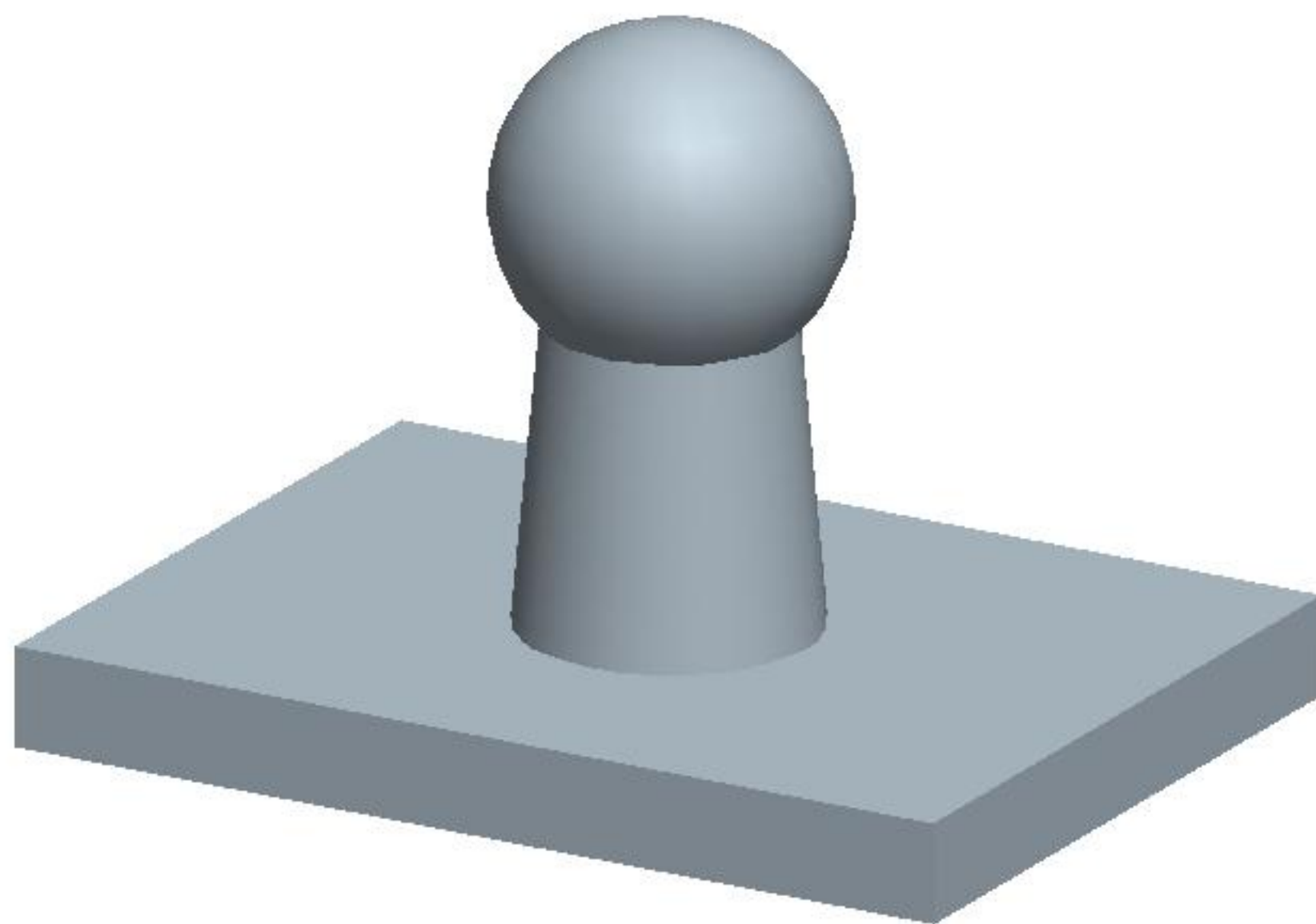


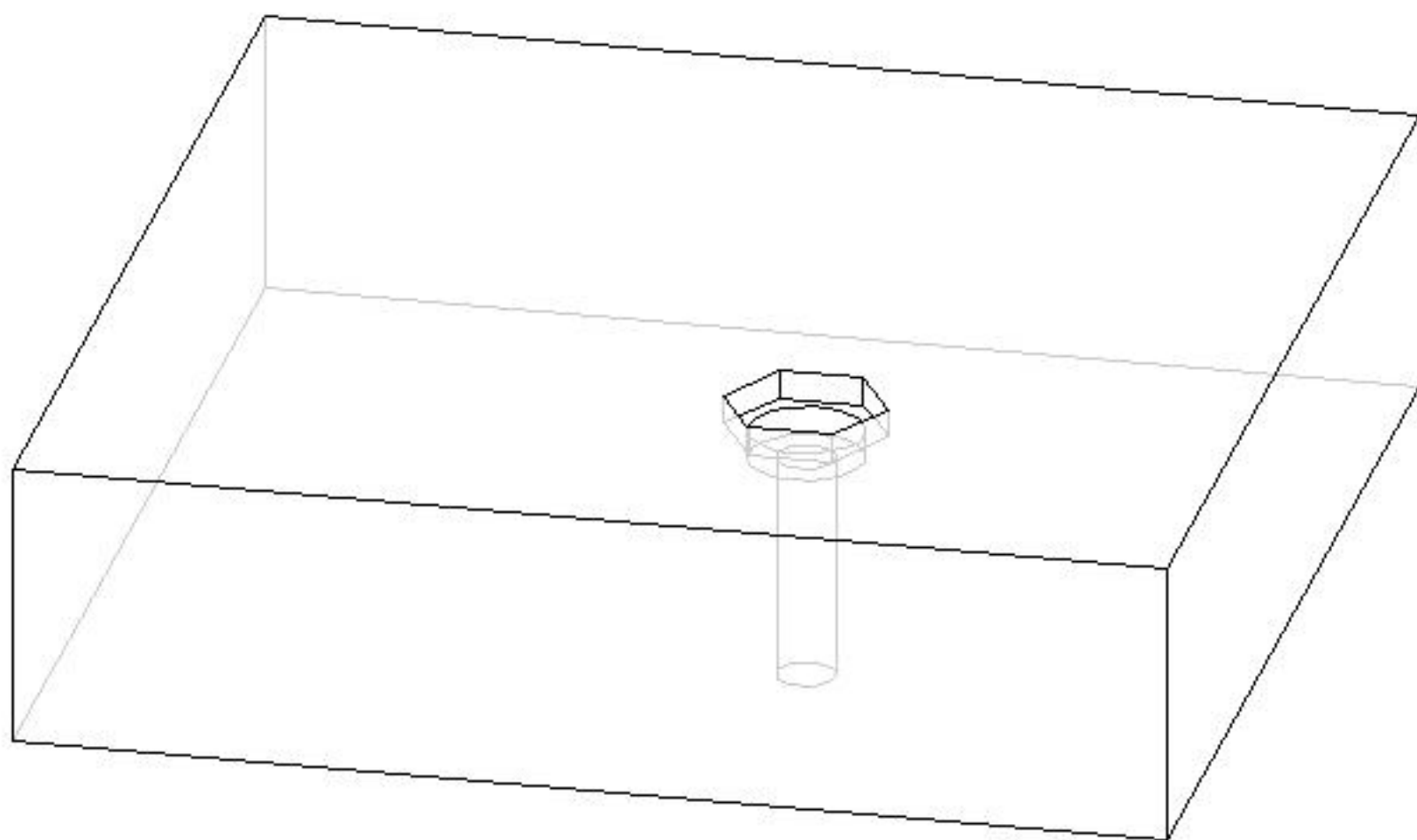




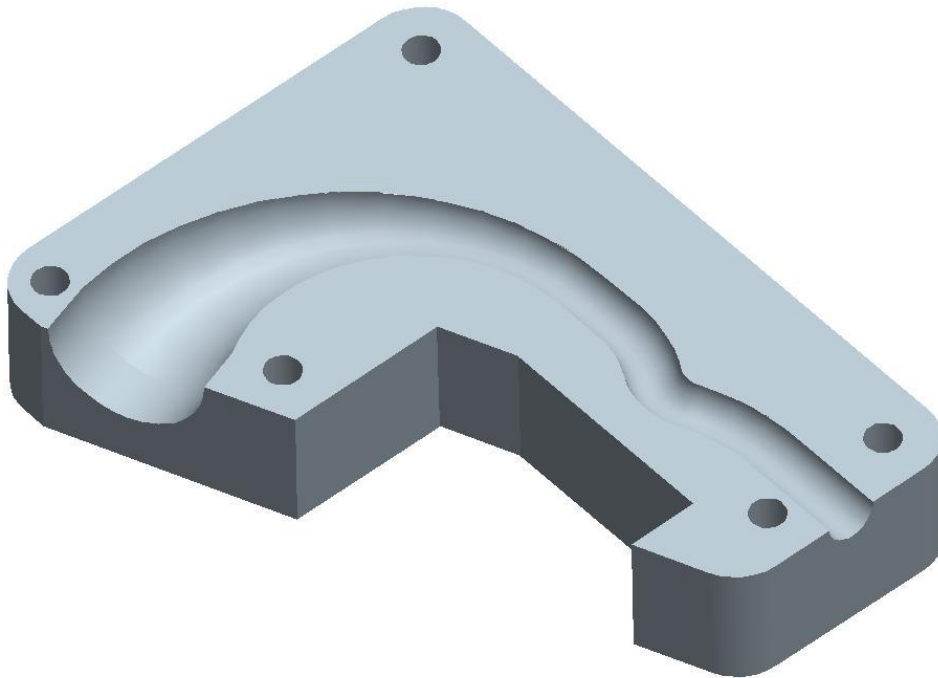


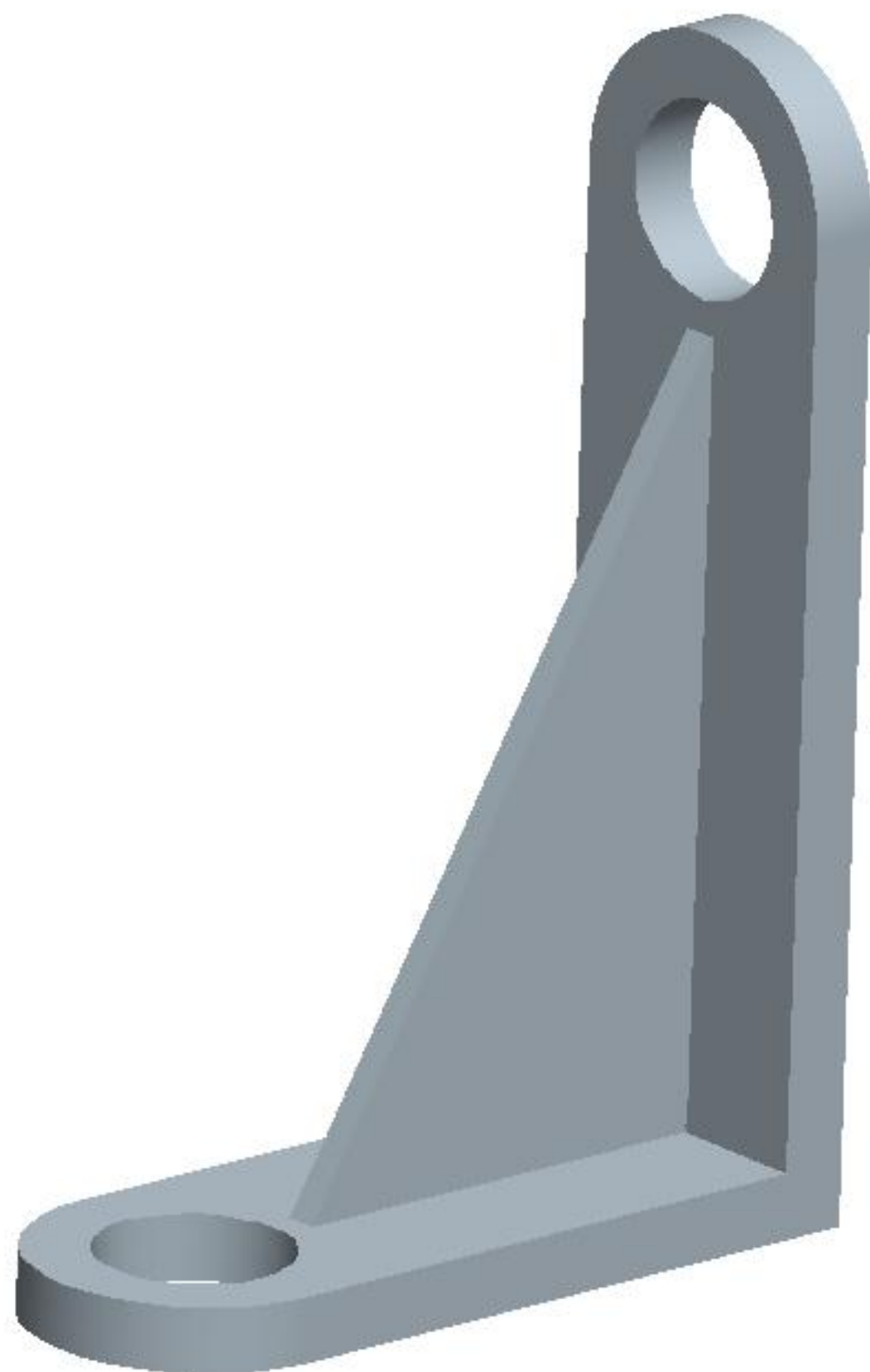




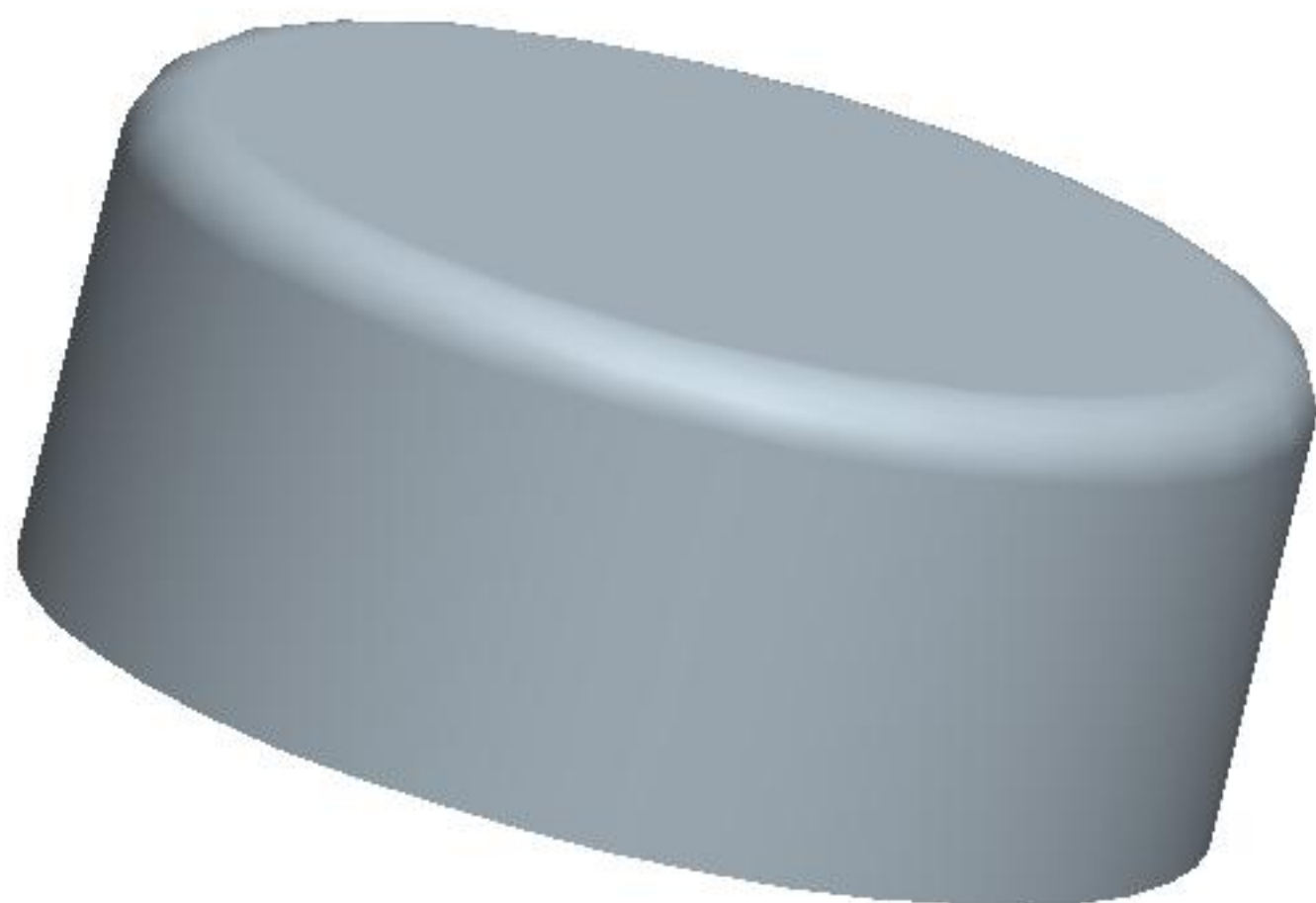


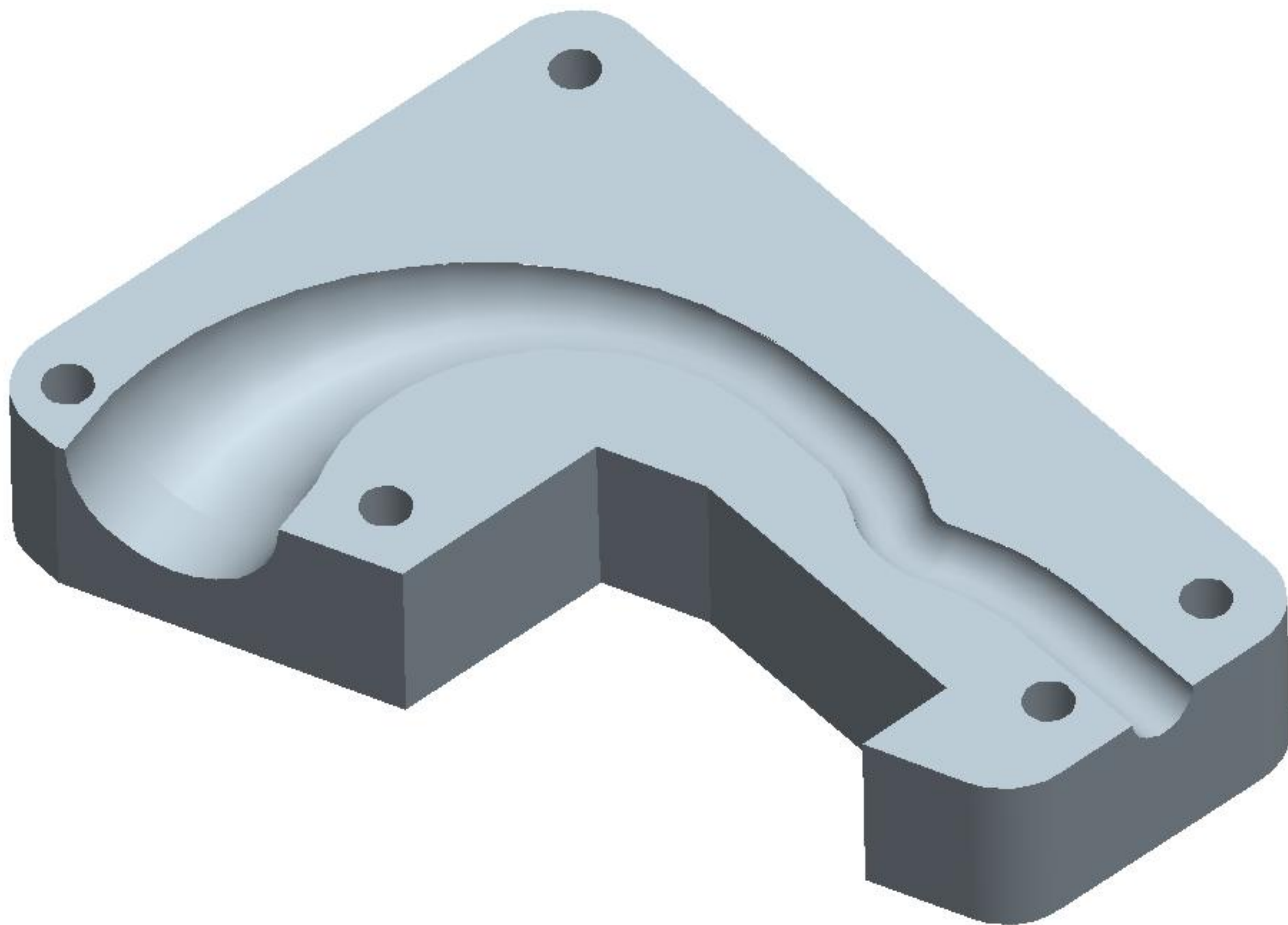
## LESSON 6 – Pro/Program and Layers



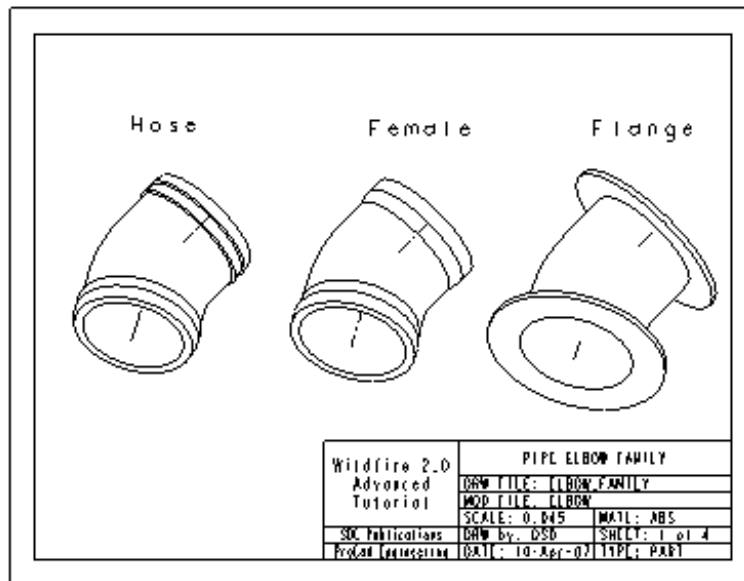


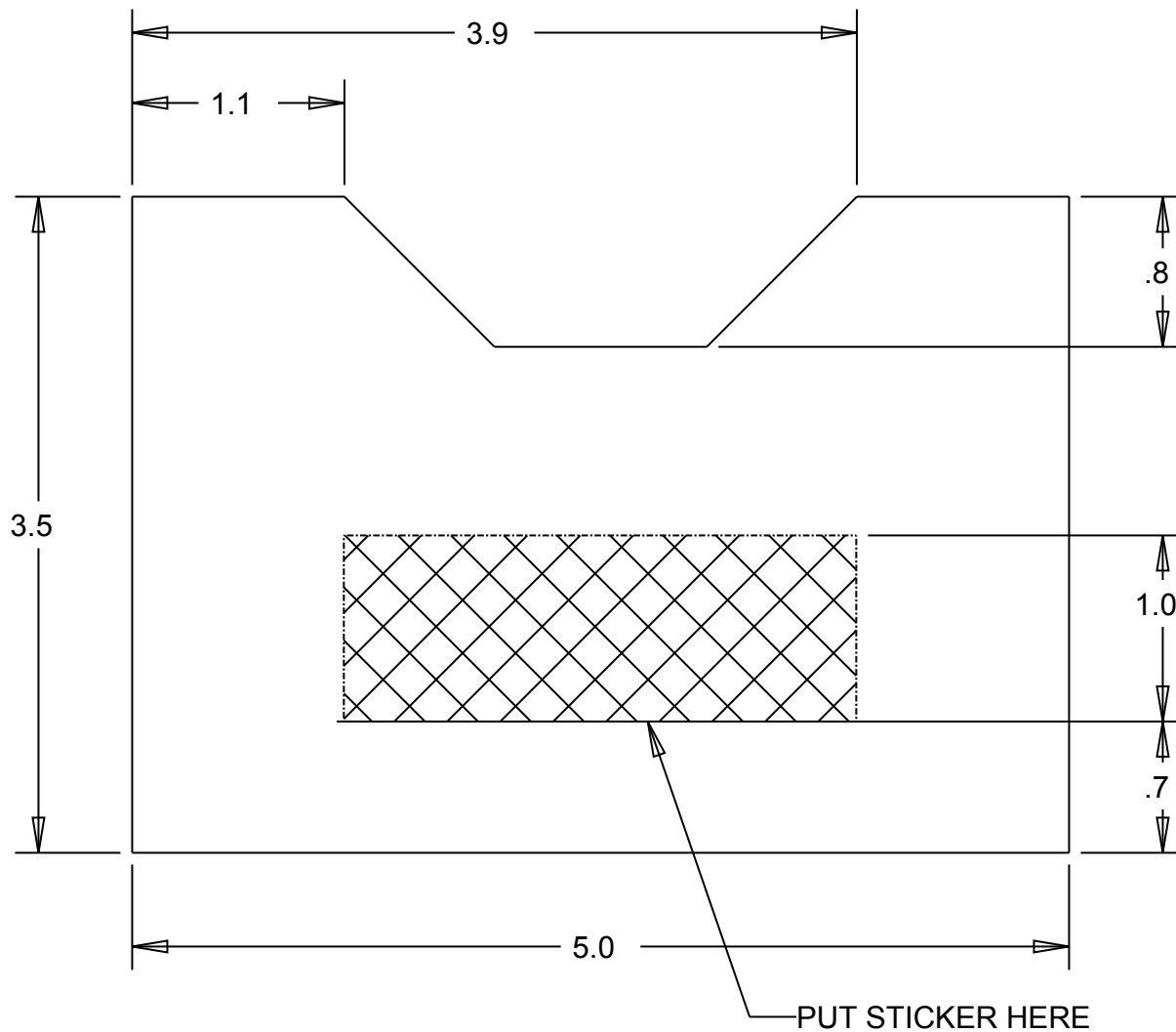
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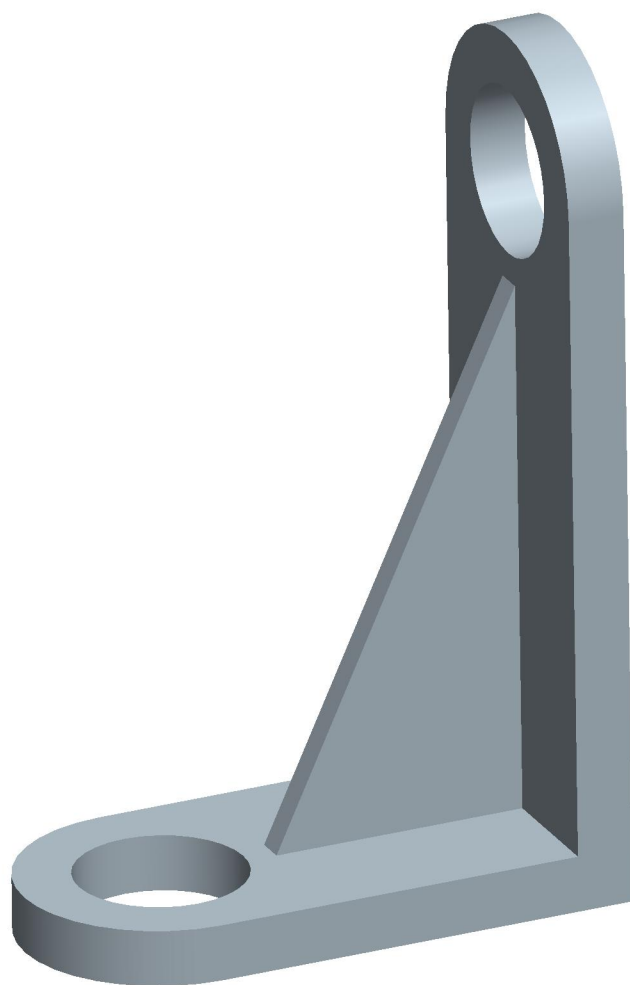
## LESSON 7 – Advanced Drawing Functions



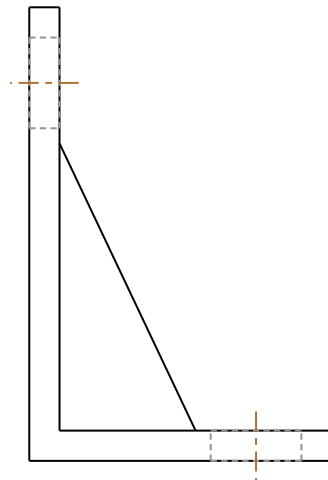
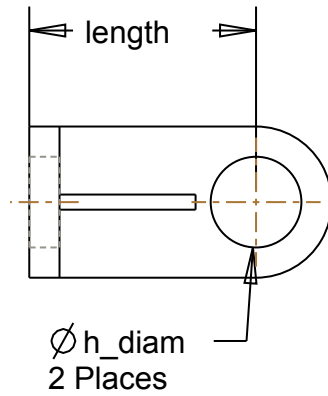


Wildfire 2.0 Advanced Tutorial	Dimension Plate	
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	MOD FILE: DIM_PLATE	
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SDC Publications	DRW by: DSD	SHEET: 1 of 1
ProCad Engineering	DATE: 10-Apr-07	TYPE: PART

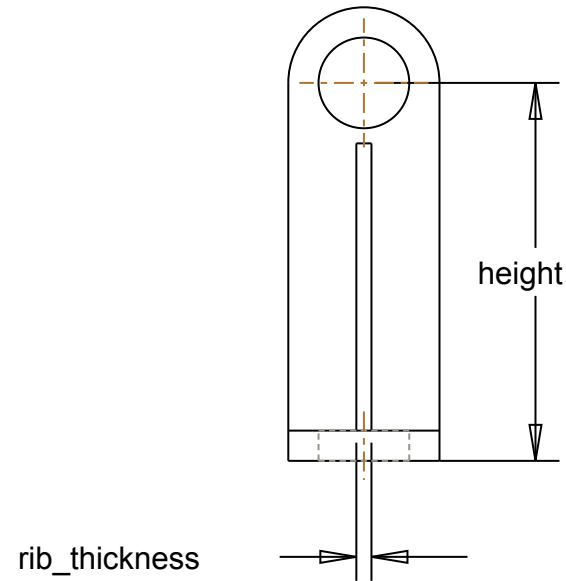




Instance:GENERIC



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B1515-5	15	15	5	FALSE	1
B2525-6-R2	25	25	6	TRUE	2
B3015-5-R2	30	15	5	TRUE	2
B3020-6-R1	30	20	6	TRUE	1



Wildfire 2.0  
Advanced  
Tutorial

## CORNER BRACKET

DRW FILE: LESSON7A

MOD FILE: BRACKET

SCALE: 2.000

MATL: STEEL

SDC Publications

DRW by: DSD

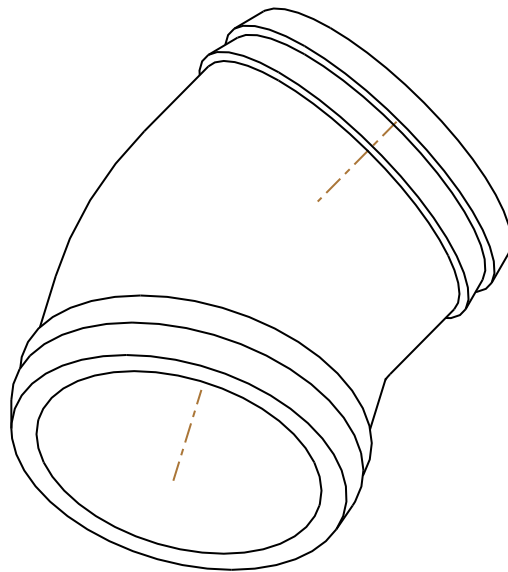
SHEET: 1 of 1

ProCad Engineering

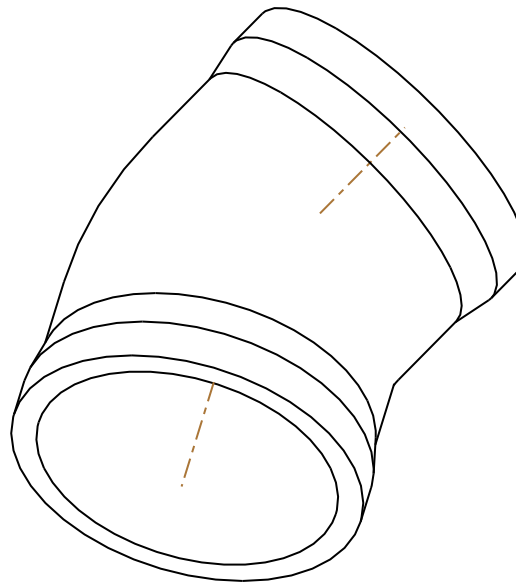
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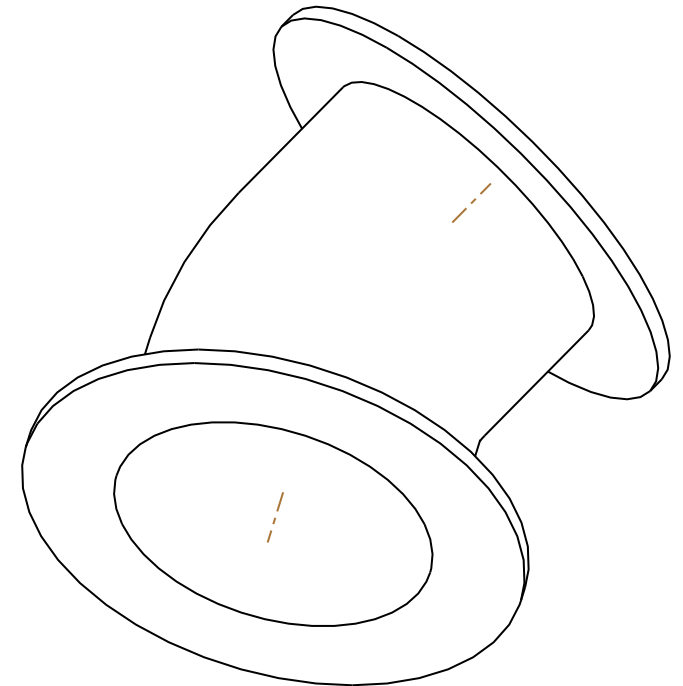
Hose



Female



Flange



Wildfire 2.0  
Advanced  
Tutorial

PIPE ELBOW FAMILY

DRW FILE: ELBOW\_FAMILY

MOD FILE: ELBOW

SCALE: 0.045

MATL: ABS

SDC Publications

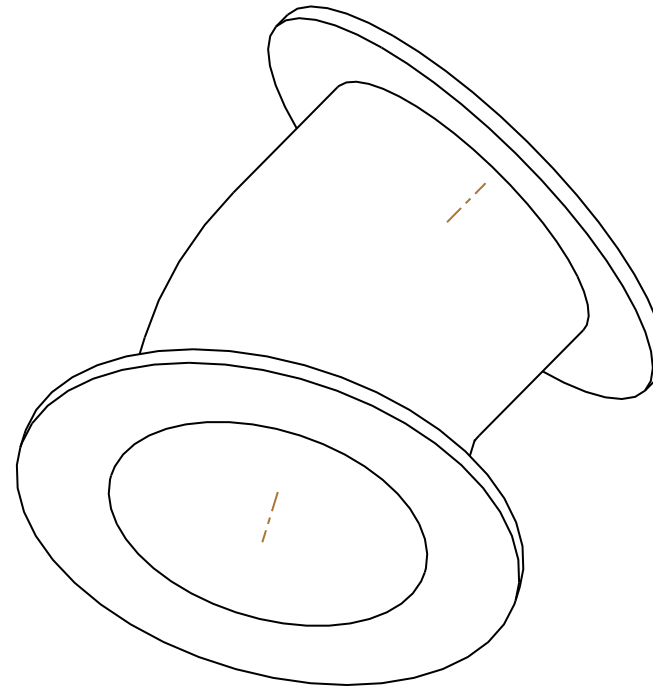
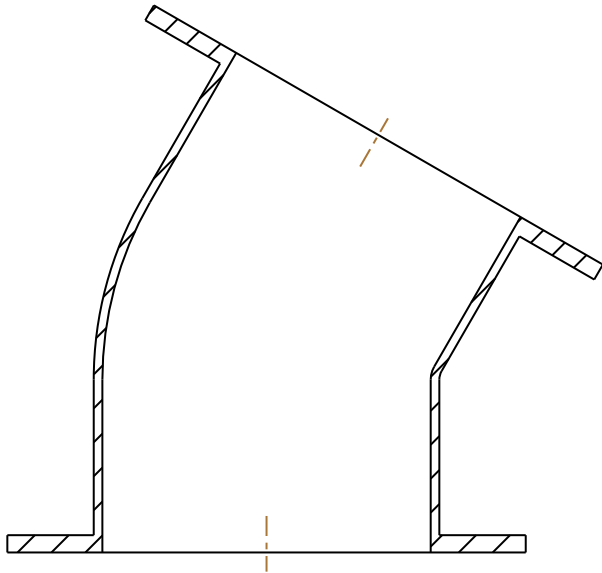
DRW by: DSD

SHEET: 1 of 4

ProCad Engineering

DATE: 10-Apr-07

TYPE: PART



Wildfire 2.0  
Advanced  
Tutorial

PIPE ELBOW FAMILY

DRW FILE: ELBOW\_FAMILY

MOD FILE: E-30-40-1-H

SCALE: 0.045

MATL: ABS

SDC Publications

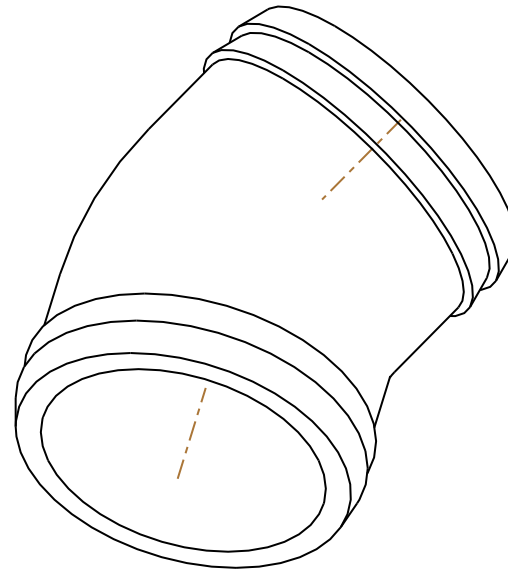
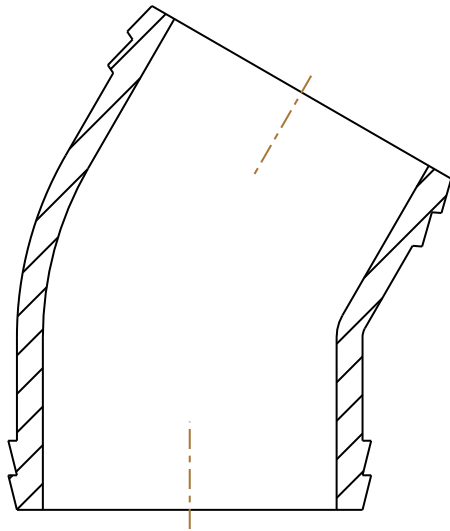
DRW by: DSD

SHEET: 2 of 4

ProCad Engineering

DATE: 10-Apr-07

TYPE: PART



Wildfire 2.0  
Advanced  
Tutorial

# PIPE ELBOW FAMILY

DRW FILE: ELBOW\_FAMILY

MOD FILE: E-30-40-1-H

SCALE: 0.045

MATL: ABS

SDC Publications

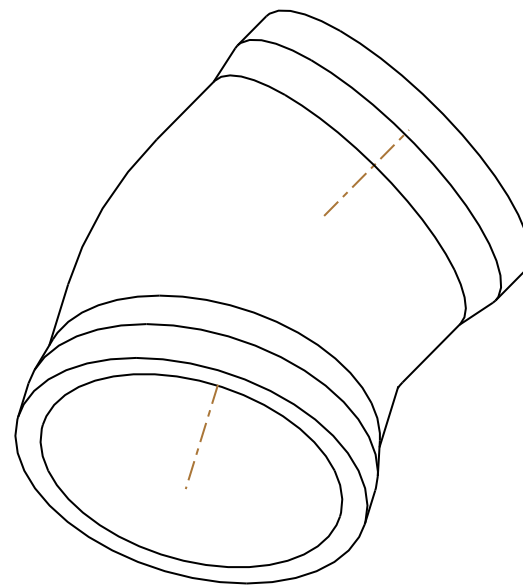
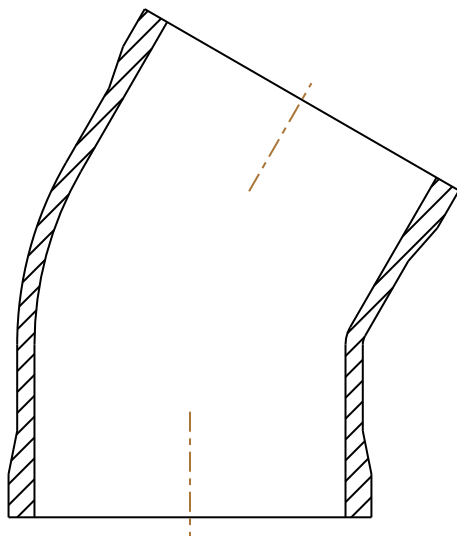
DRW by: DSD

SHEET: 3 of 4

ProCad Engineering

DATE: 10-Apr-07

TYPE: PART



Wildfire 2.0  
Advanced  
Tutorial

# PIPE ELBOW FAMILY

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MOD FILE: E-30-40-3-G

SCALE: 0.045

MATL: ABS

SDC Publications

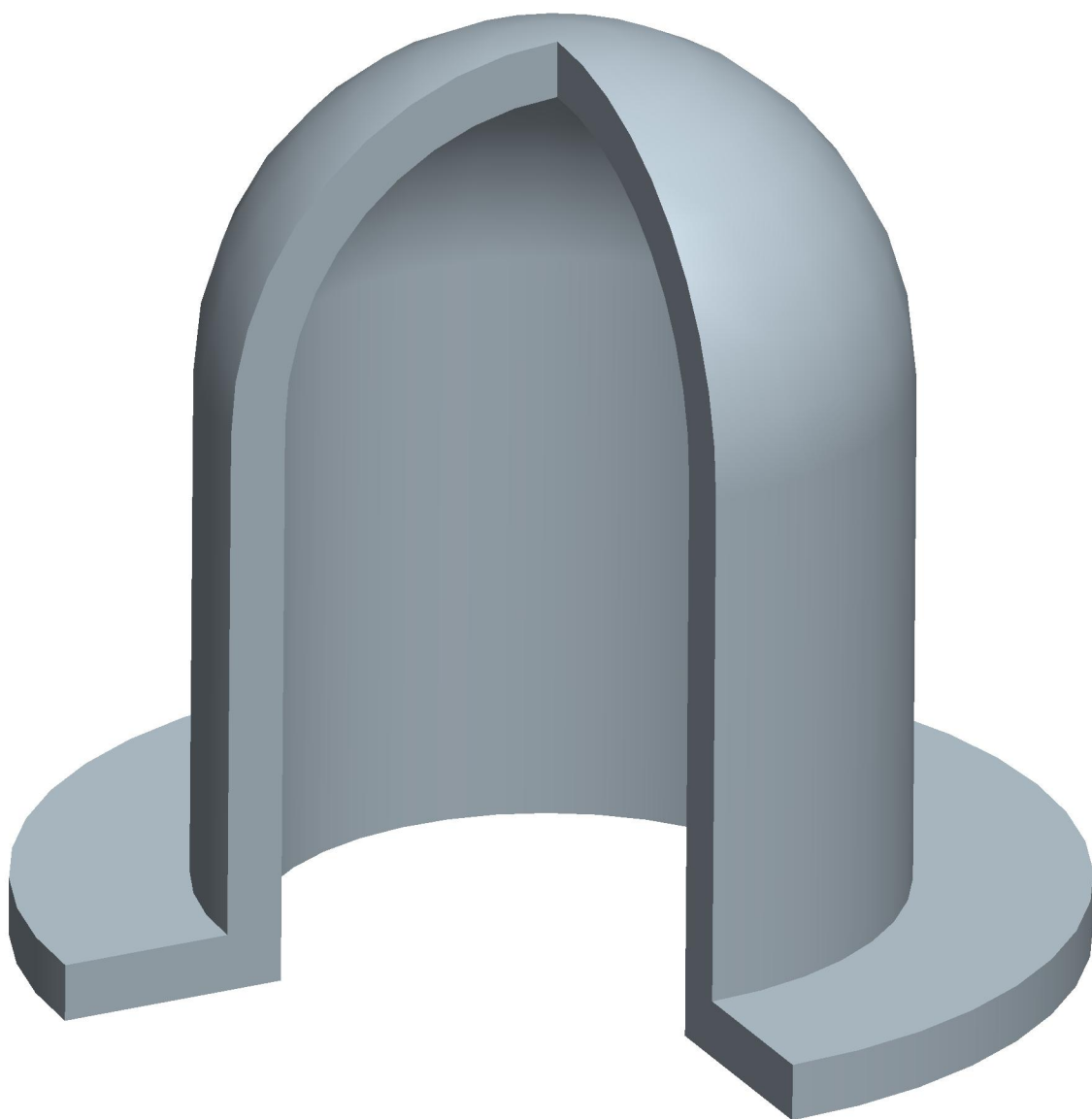
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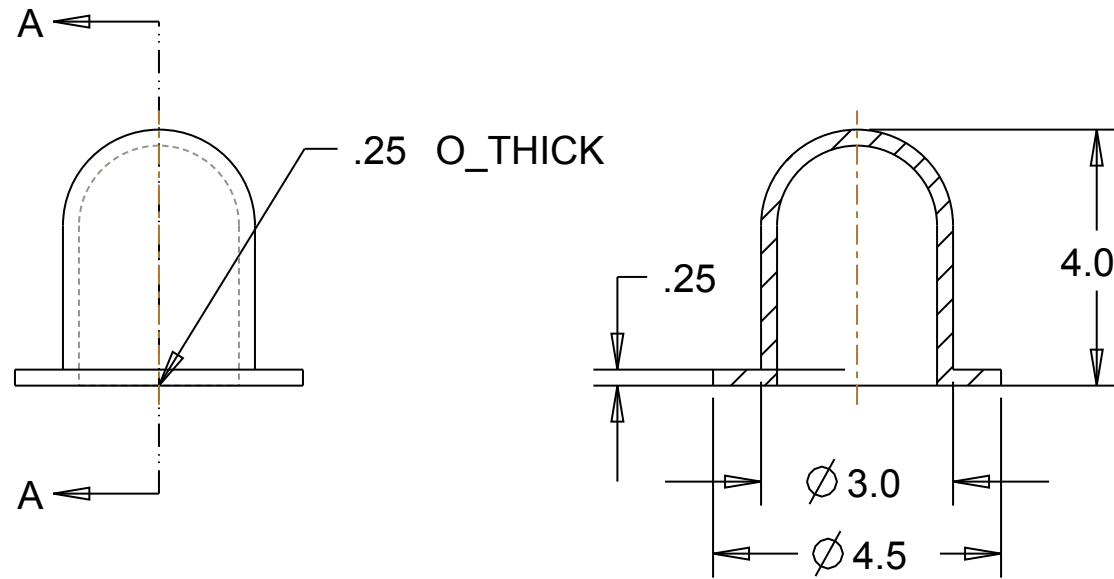
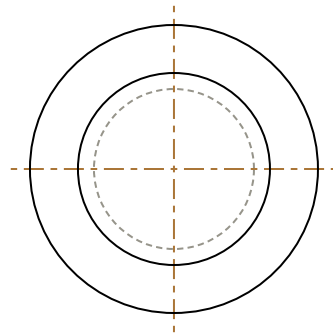
SHEET: 4 of 4

ProCad Engineering

DATE: 10-Apr-07

TYPE: PART





SECTION A-A

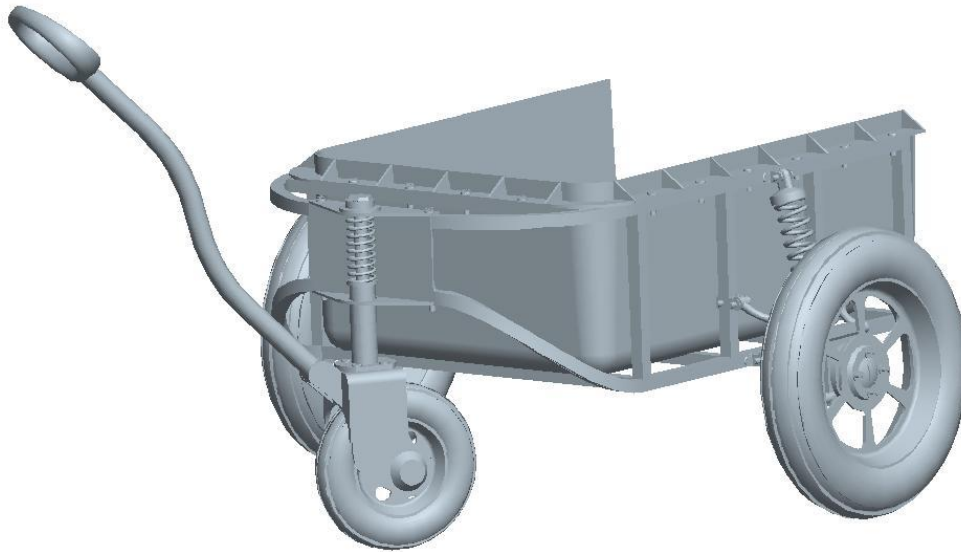
UNLESS OTHERWISE SPECIFIED,  
TOLERANCES ARE AS FOLLOW

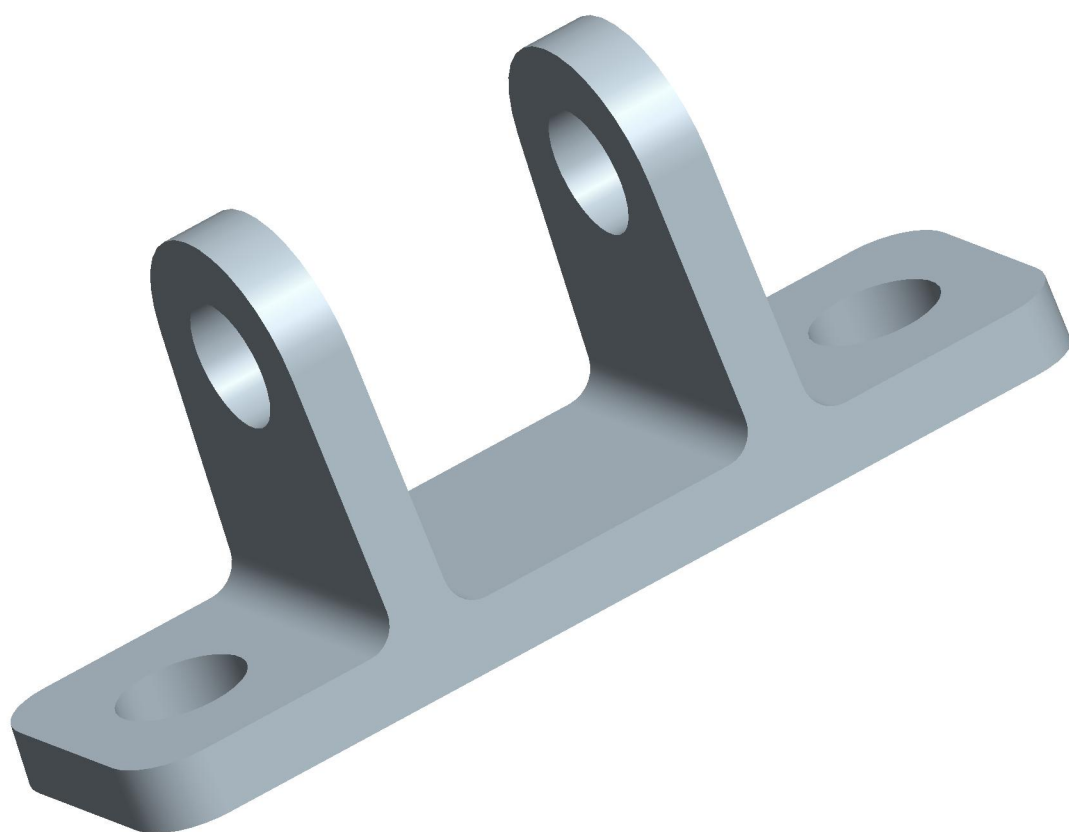
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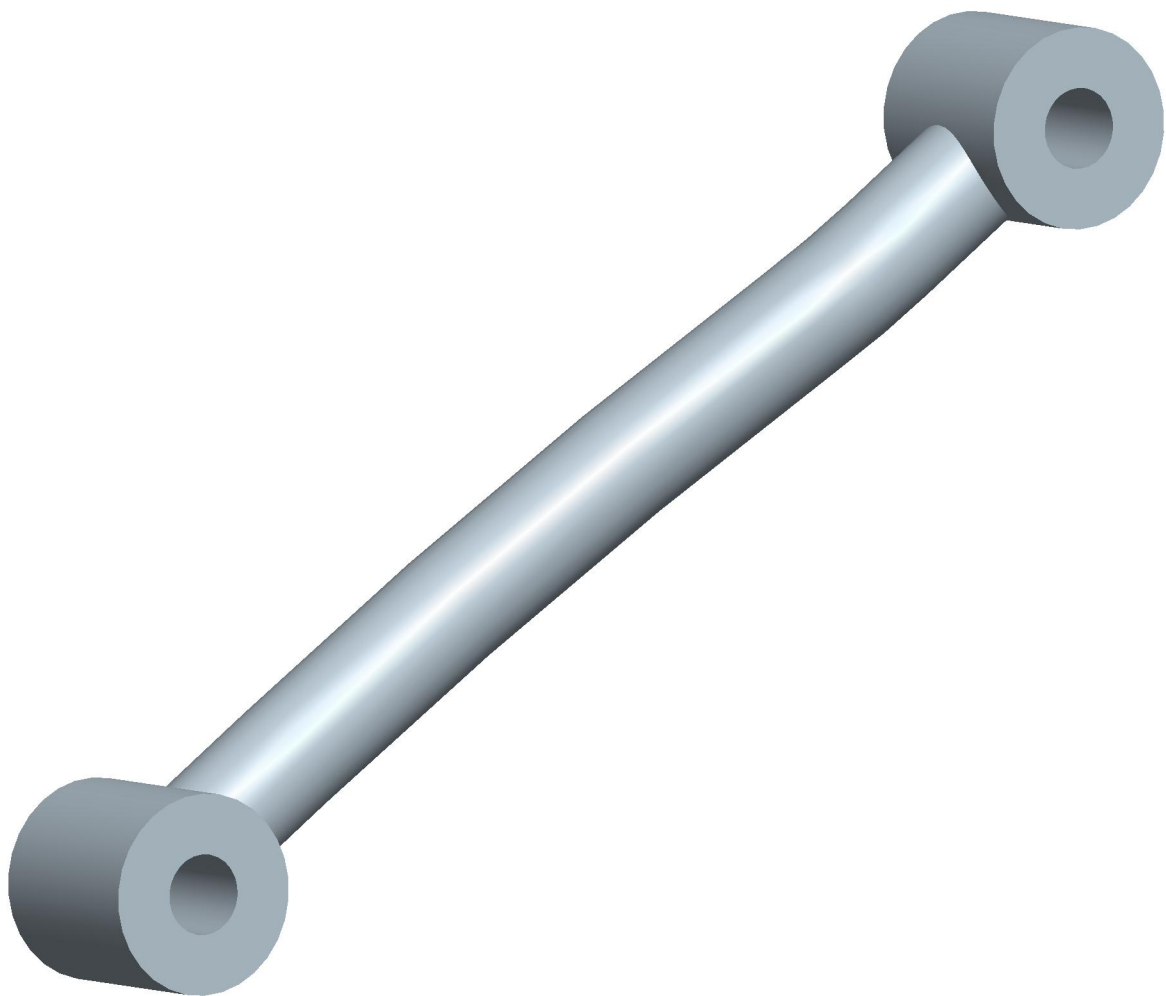
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SDC Publications	DRW by: DSD	SHEET: 1 of 1
ProCad Engineering	DATE: 10-Apr-07	TYPE: PART

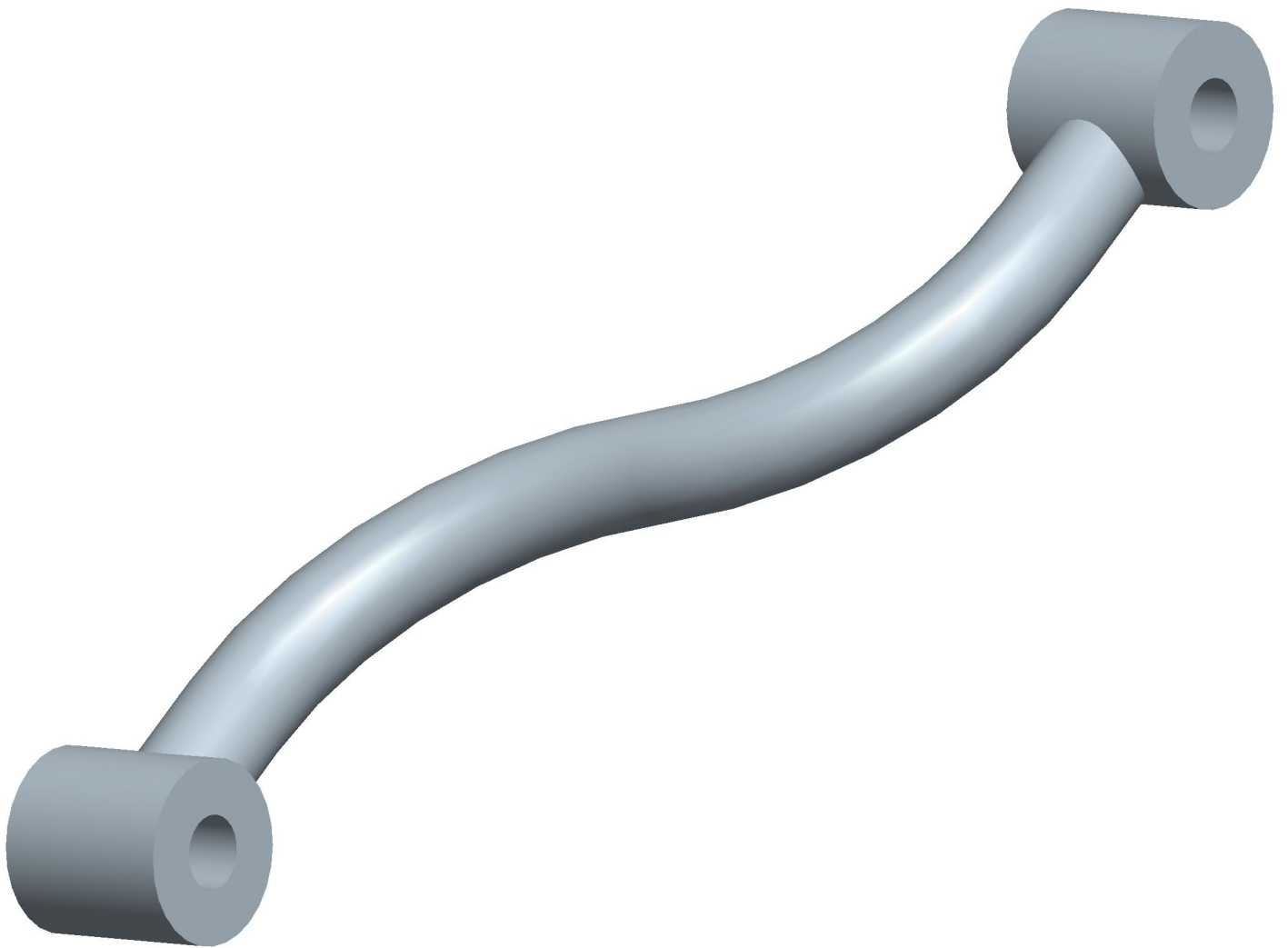


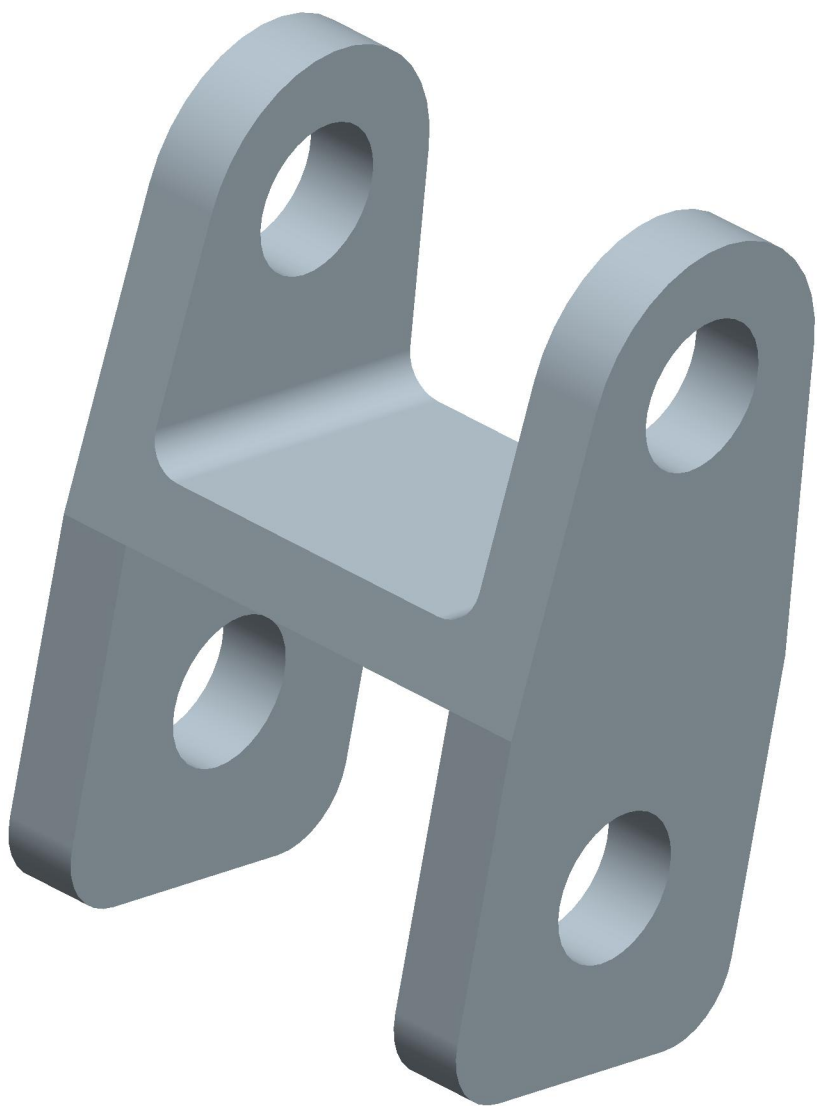
## LESSON 8 – Project and Working with Assemblies

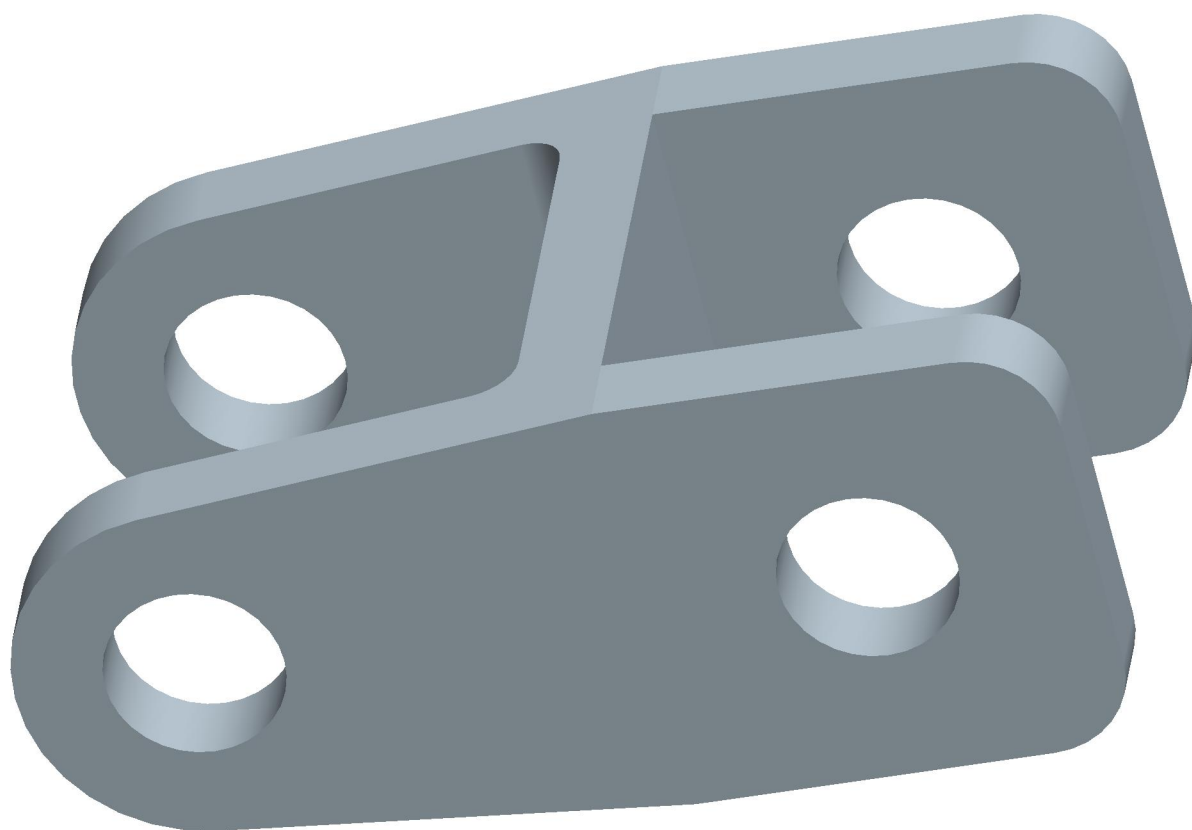


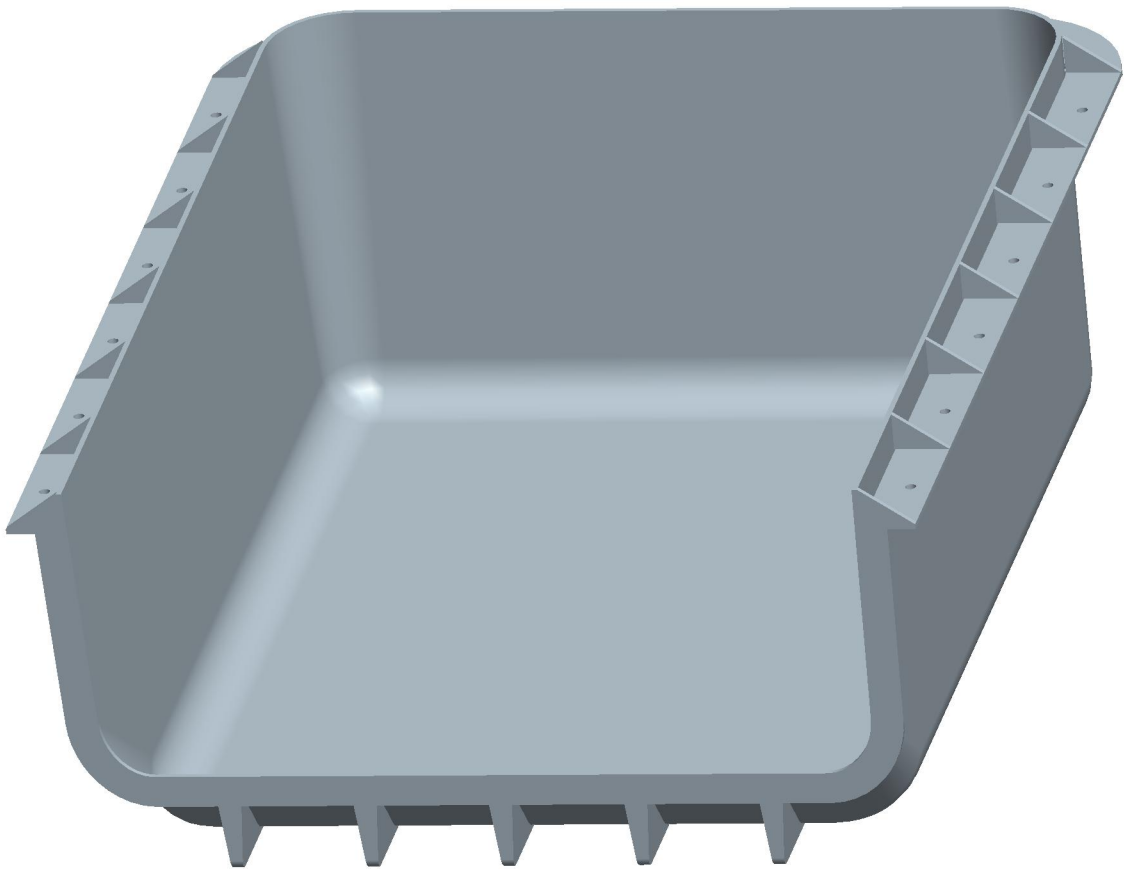


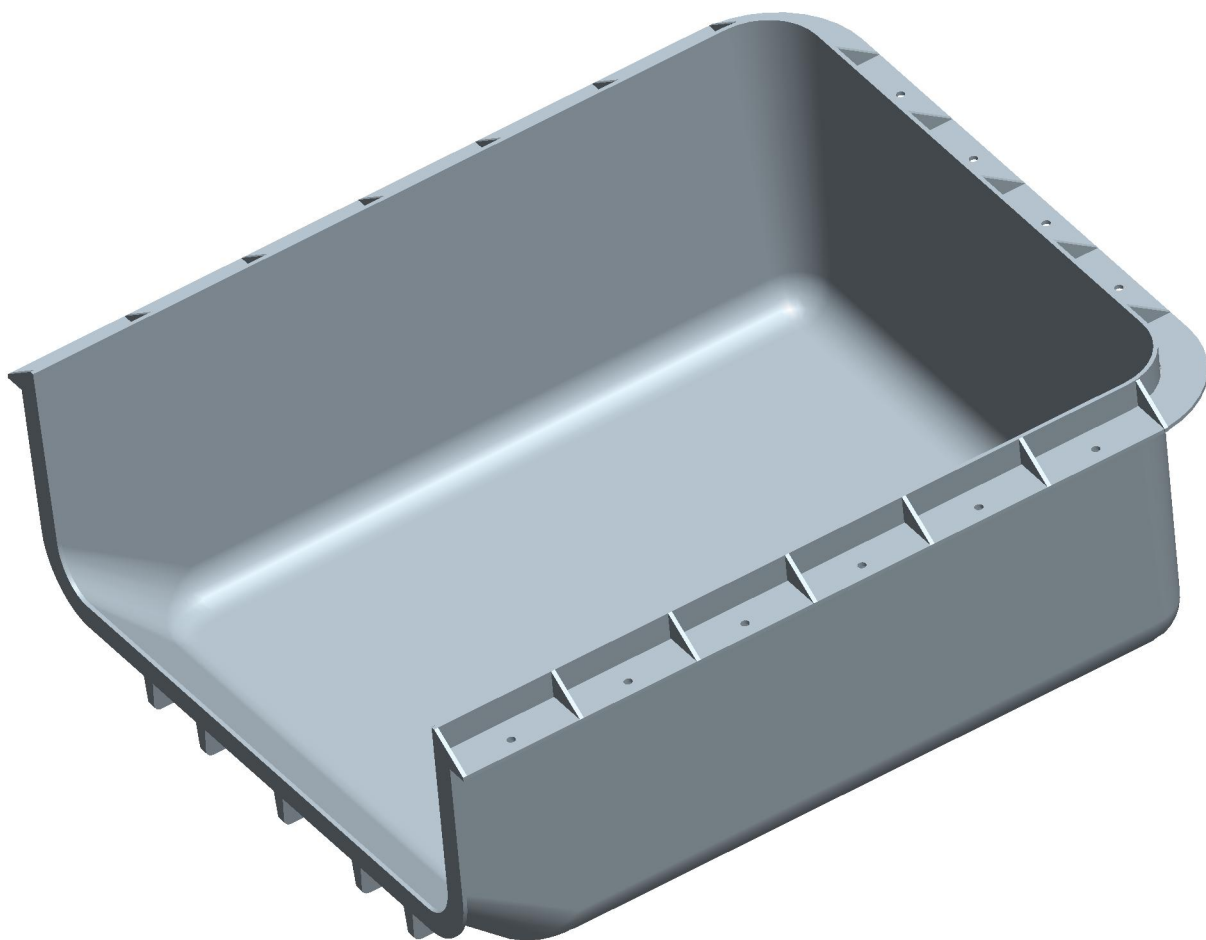




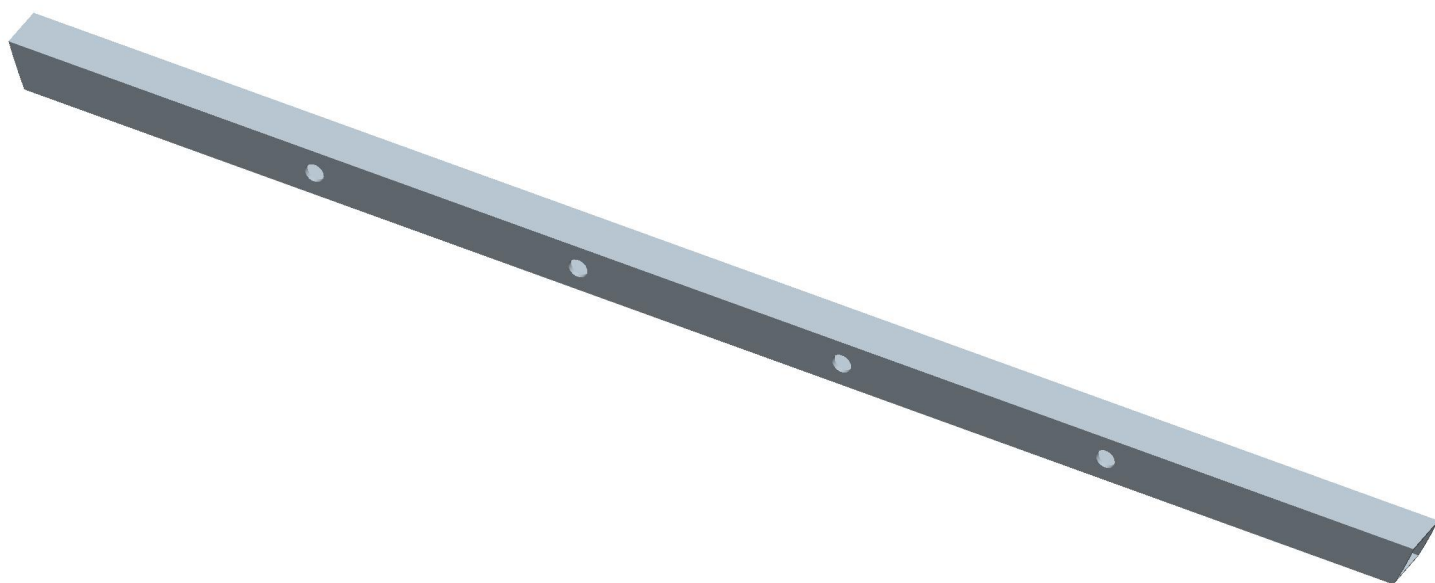


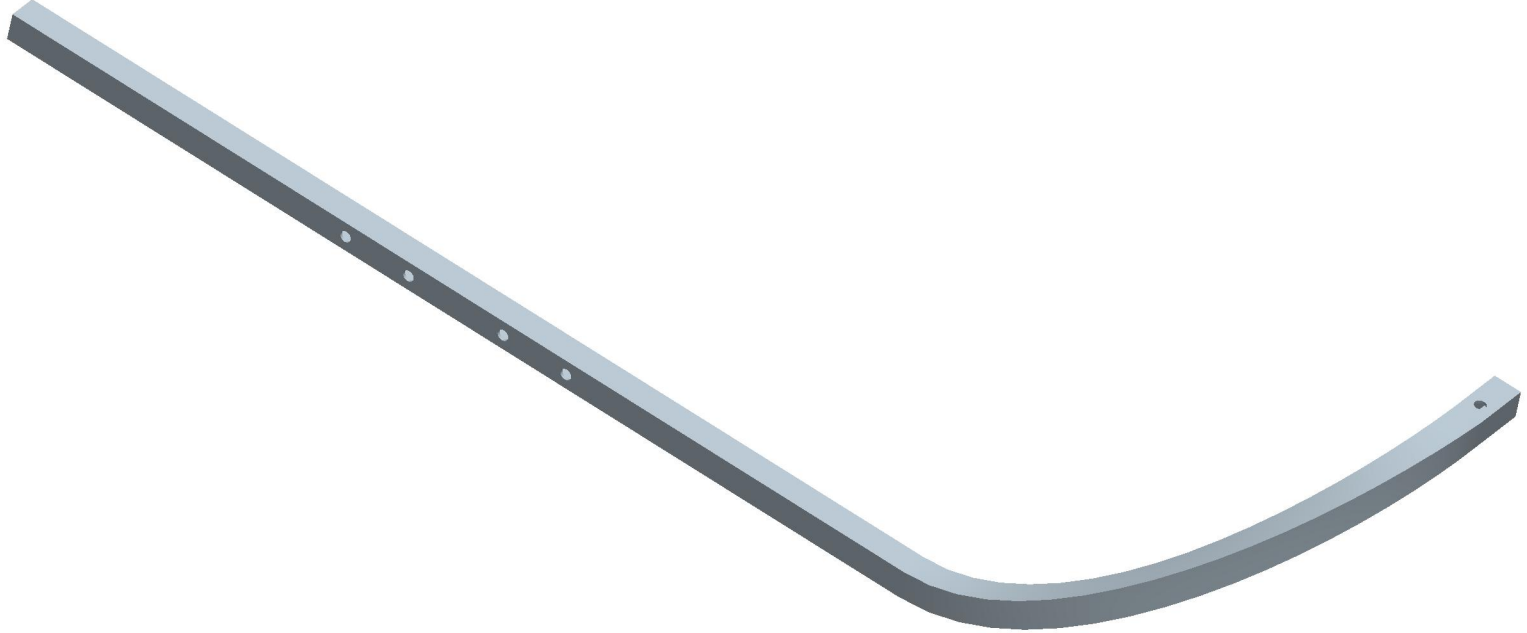


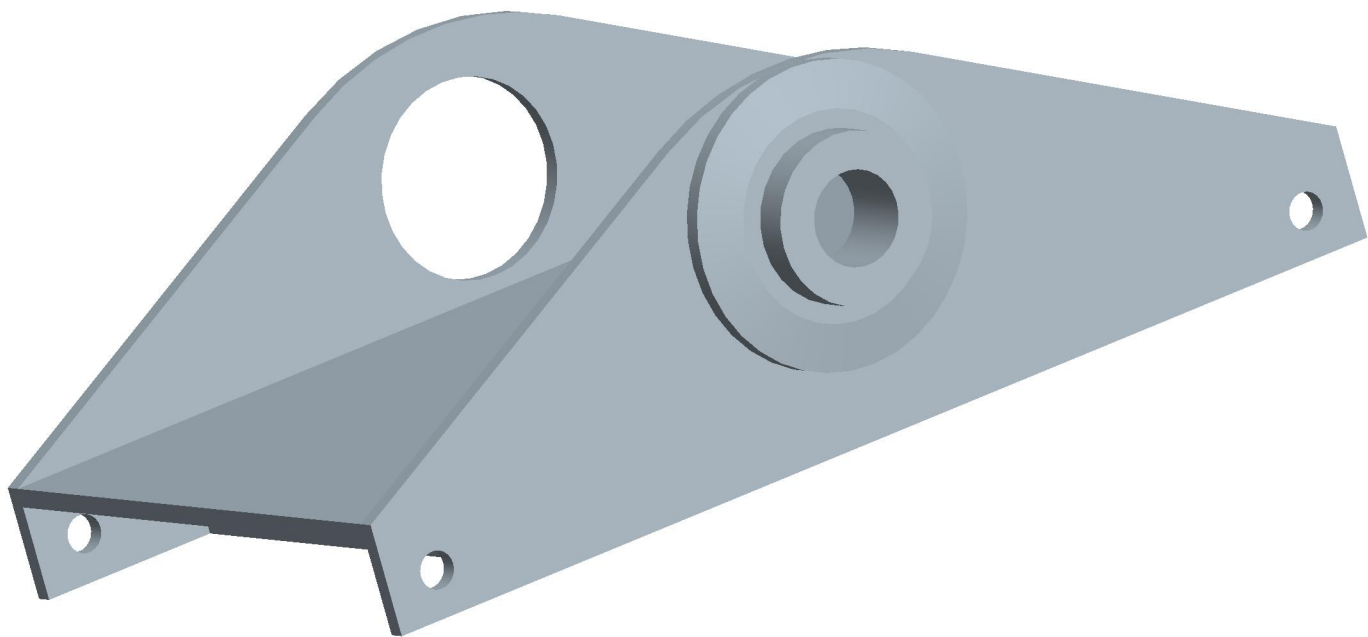


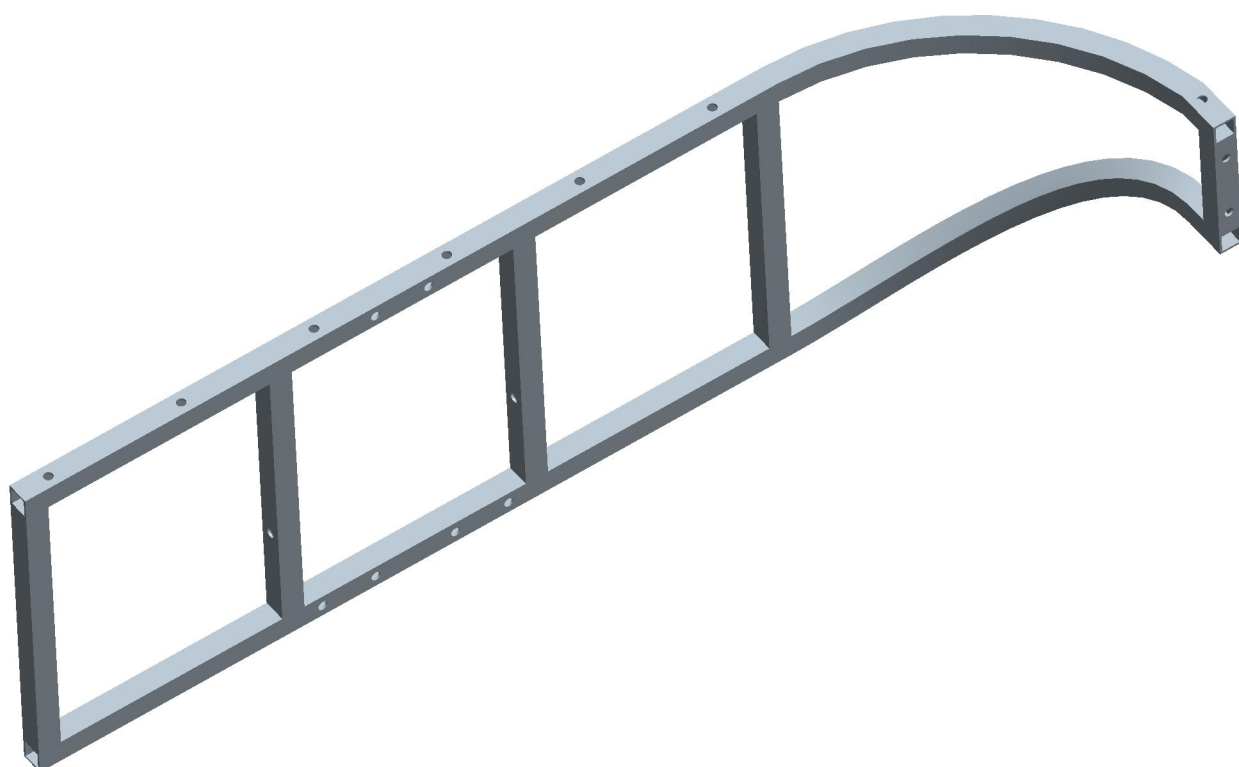


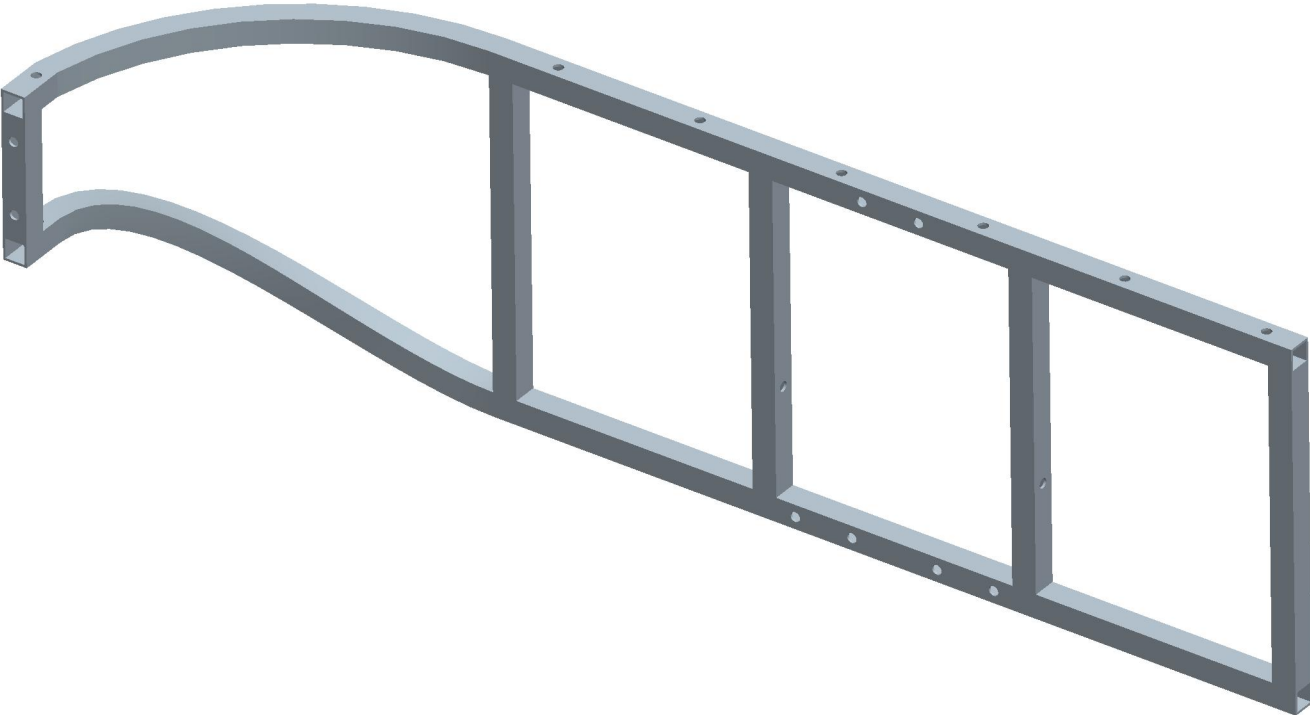


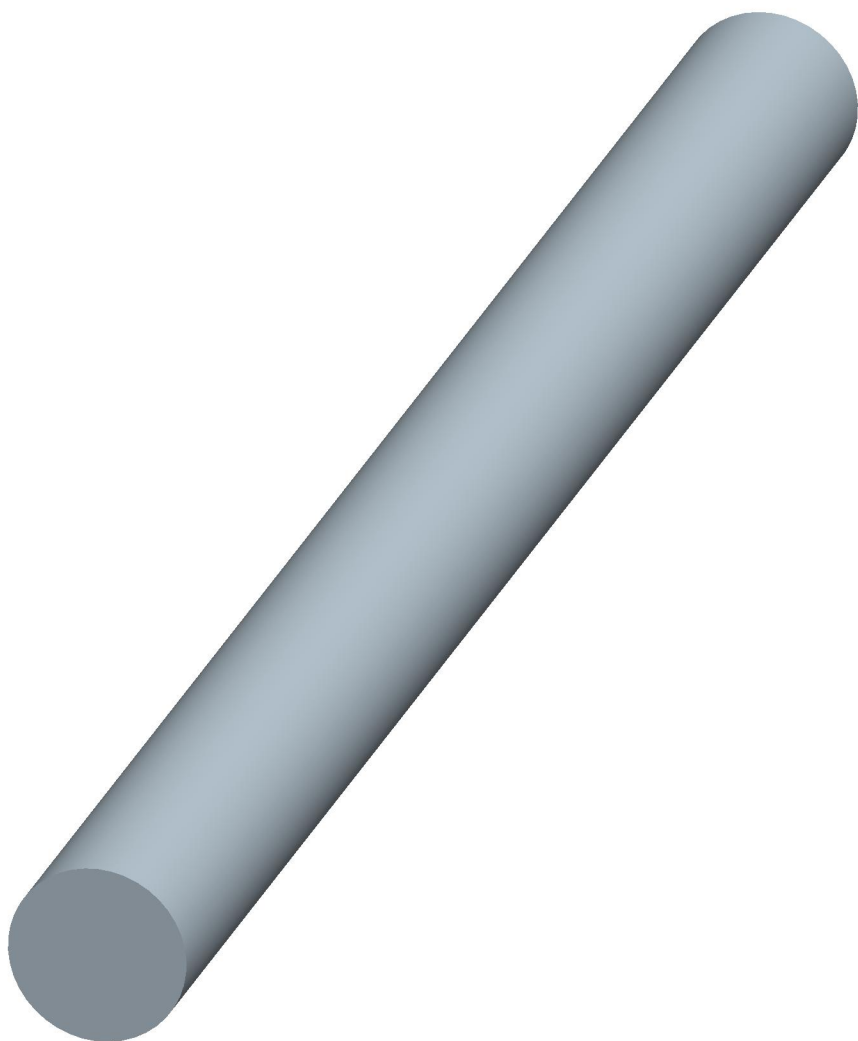




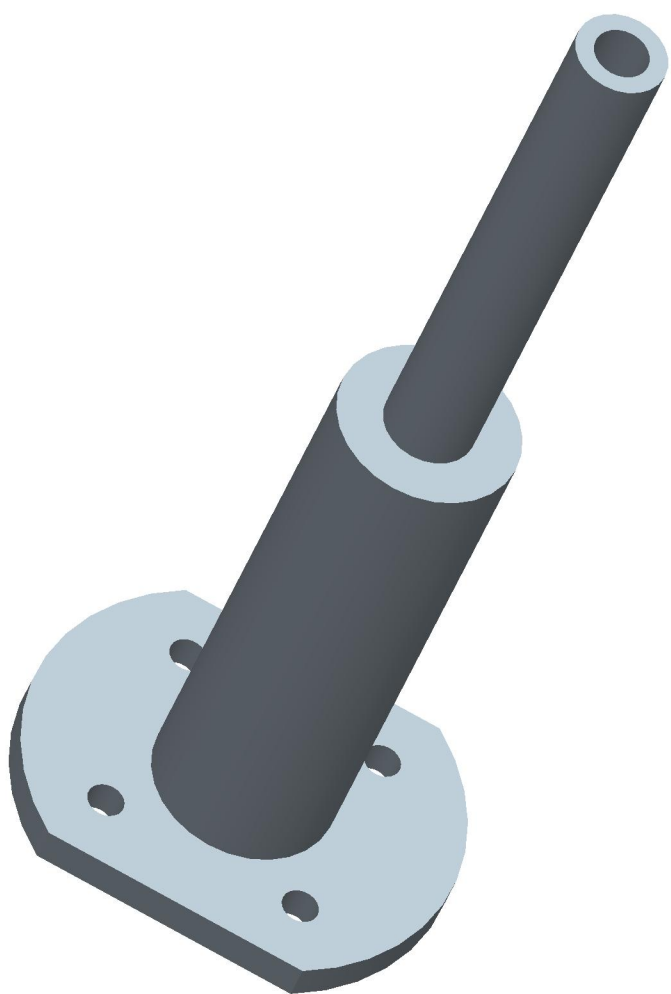




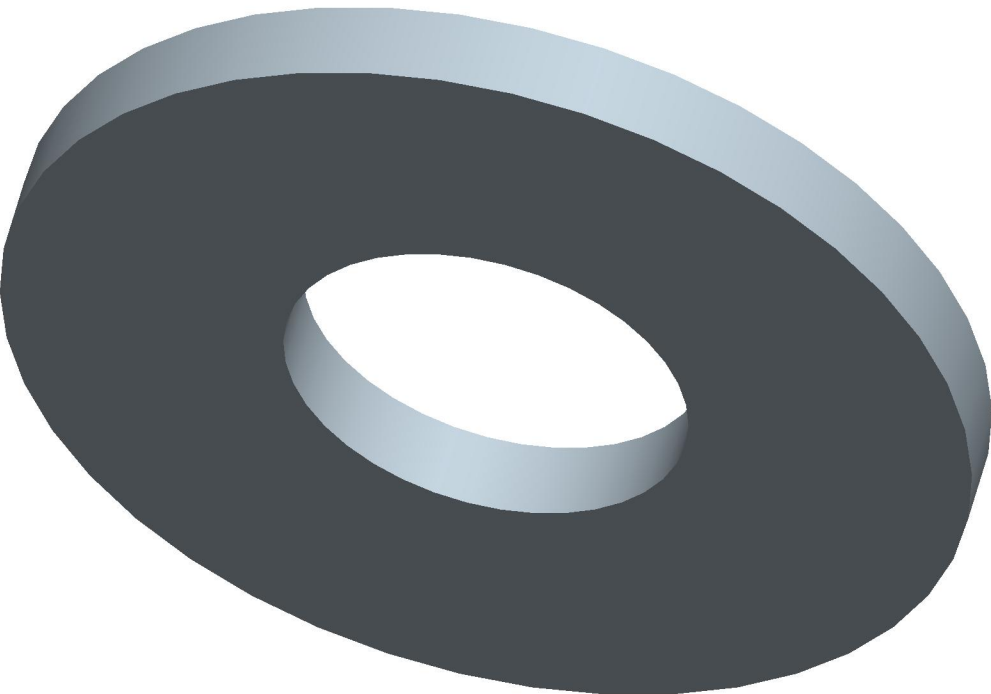




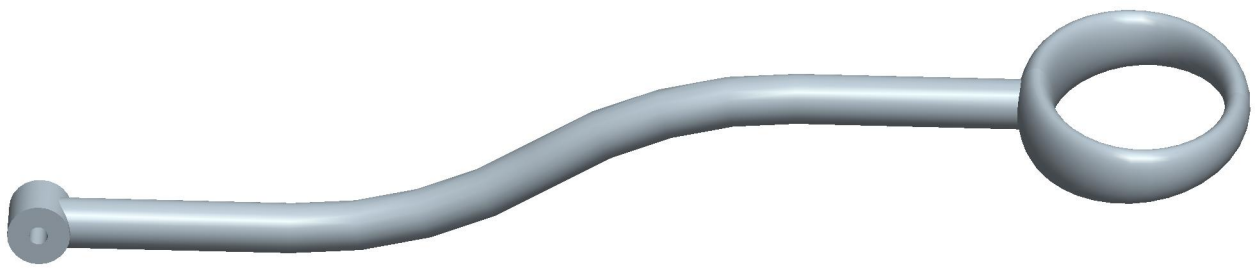


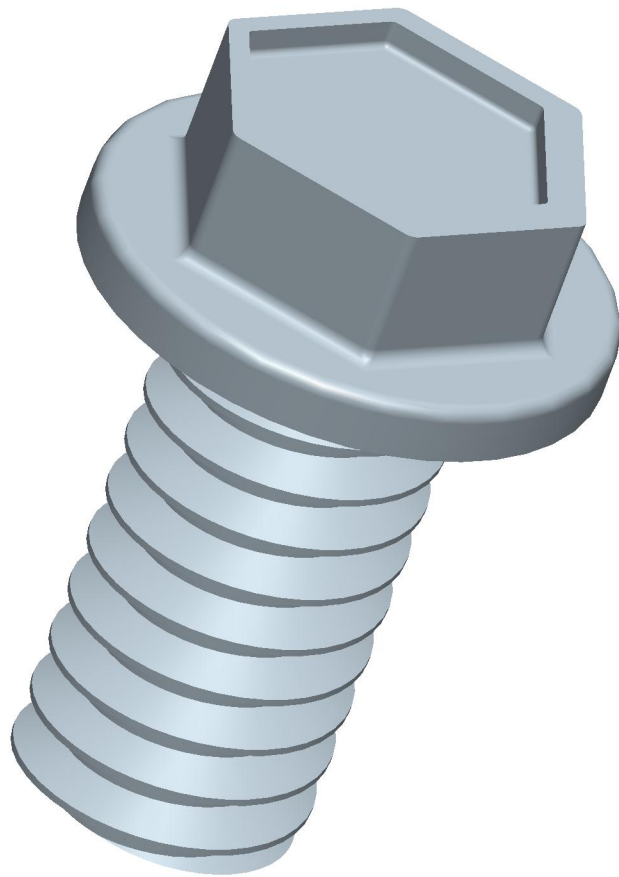




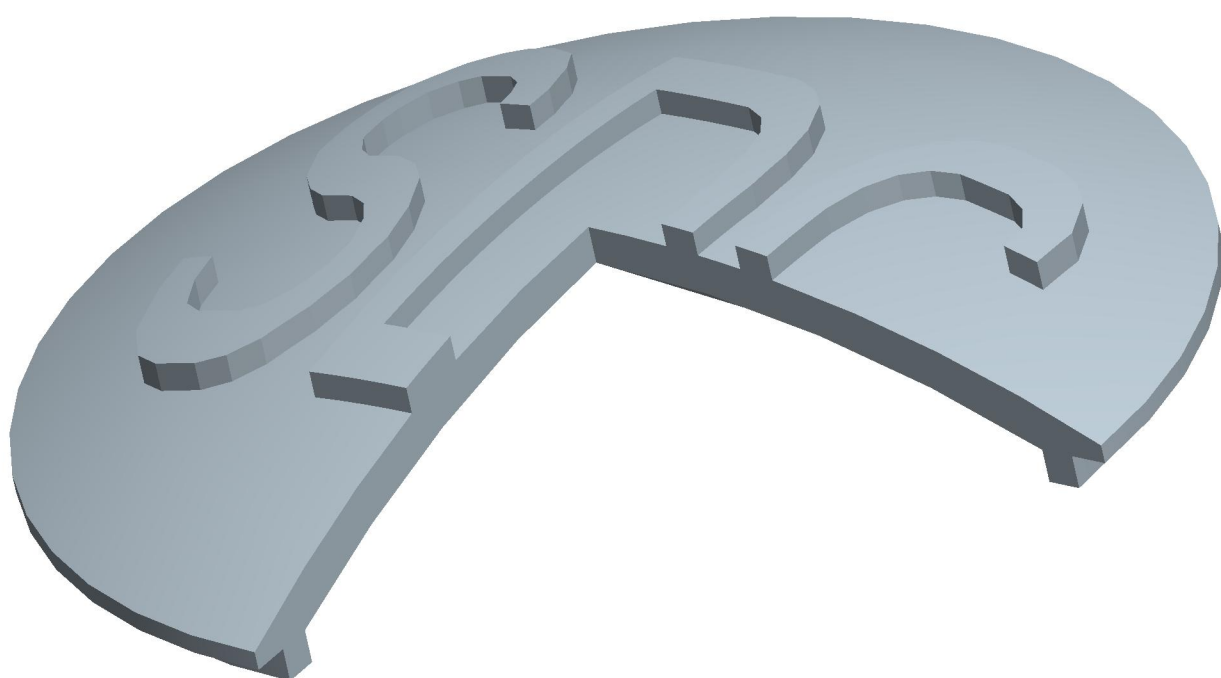


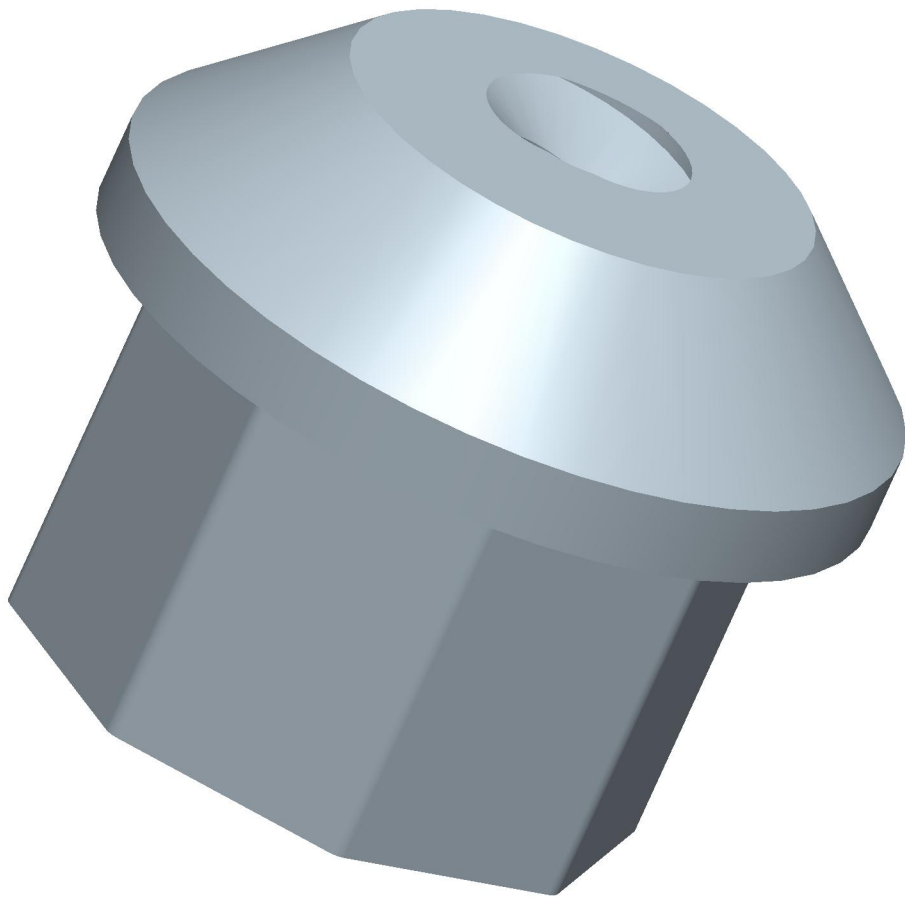


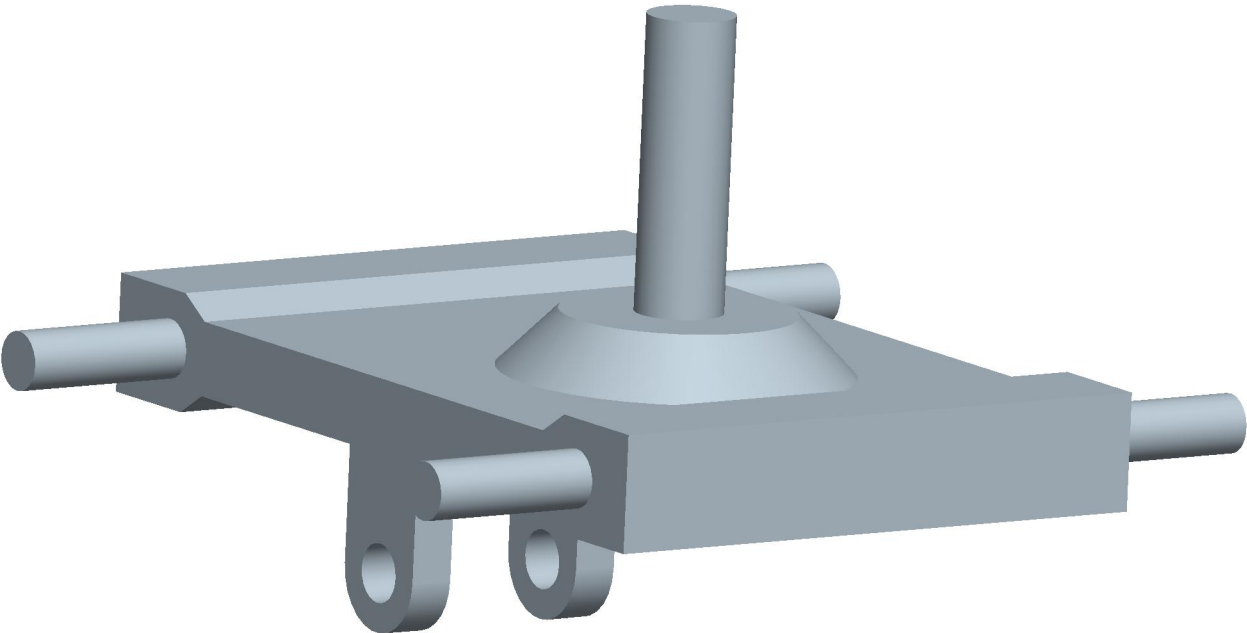


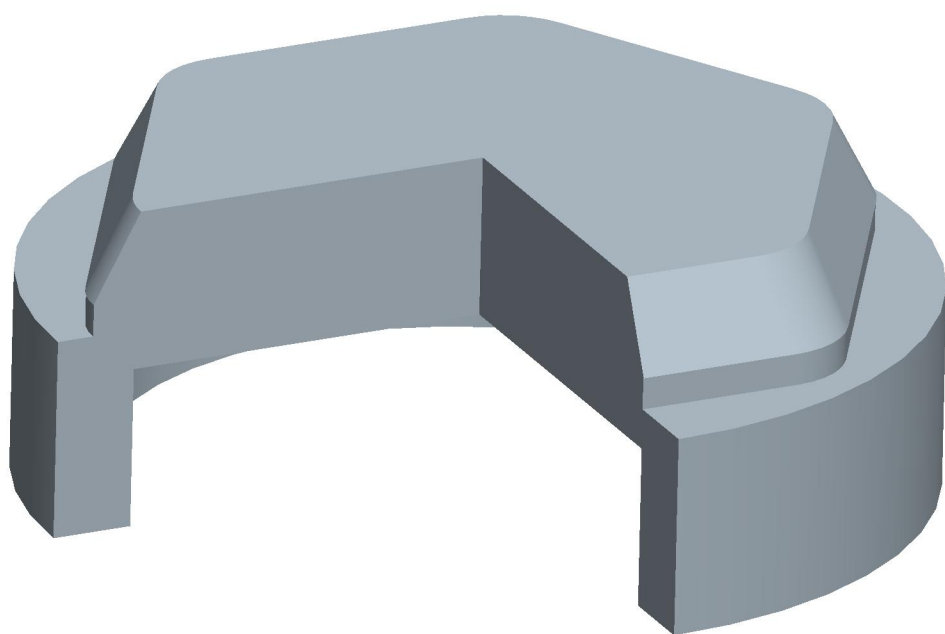


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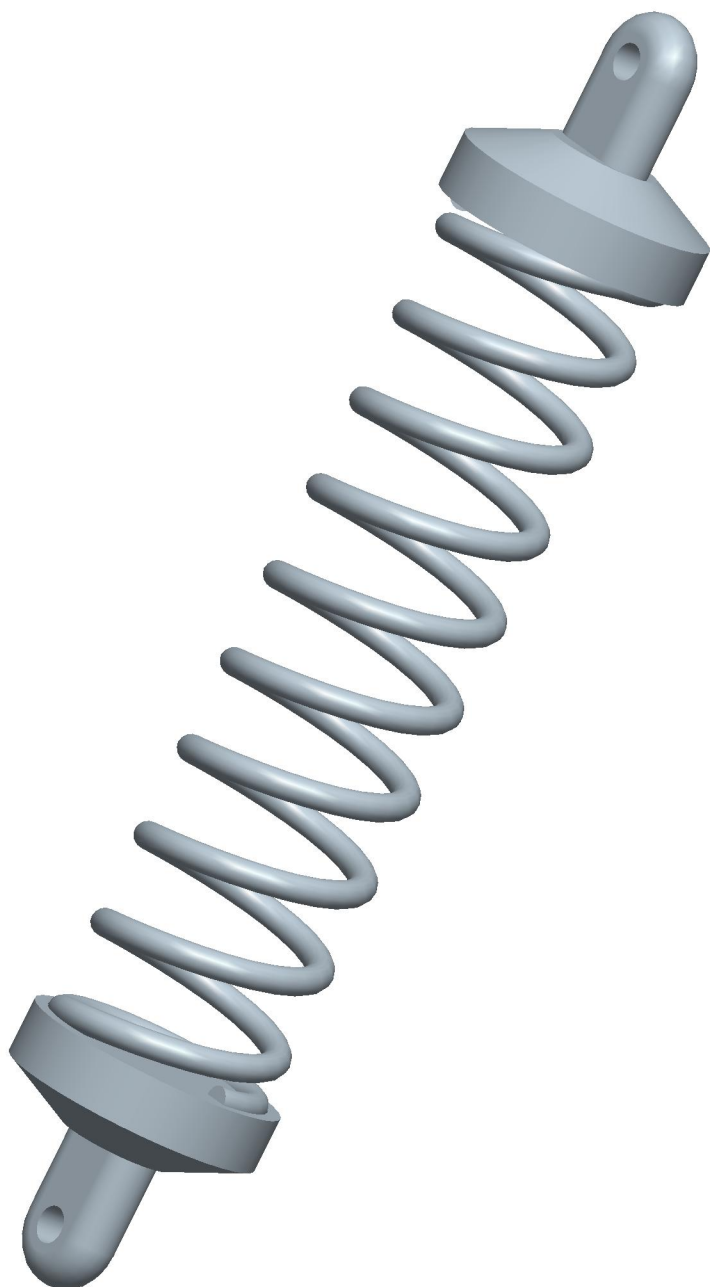


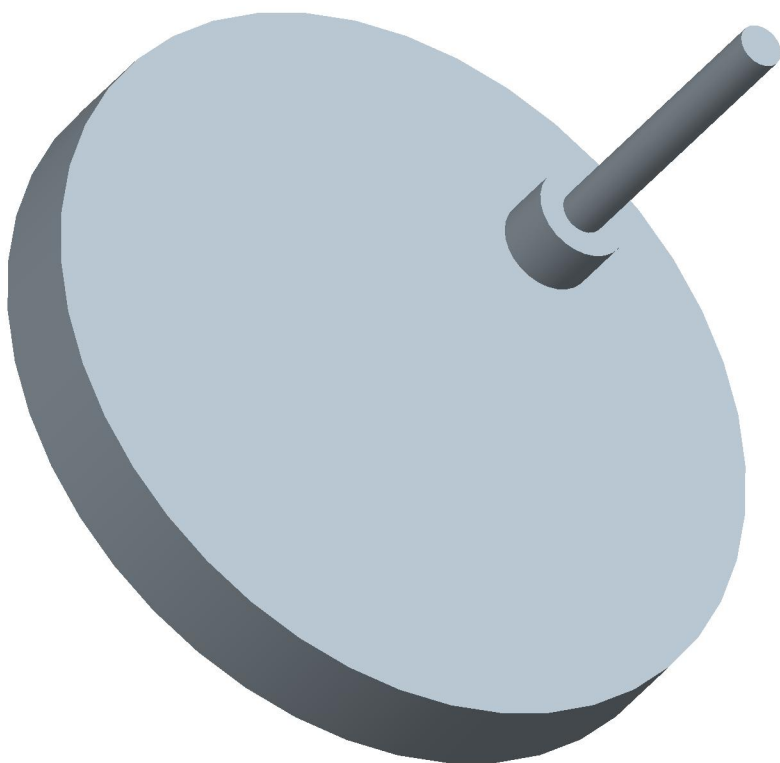


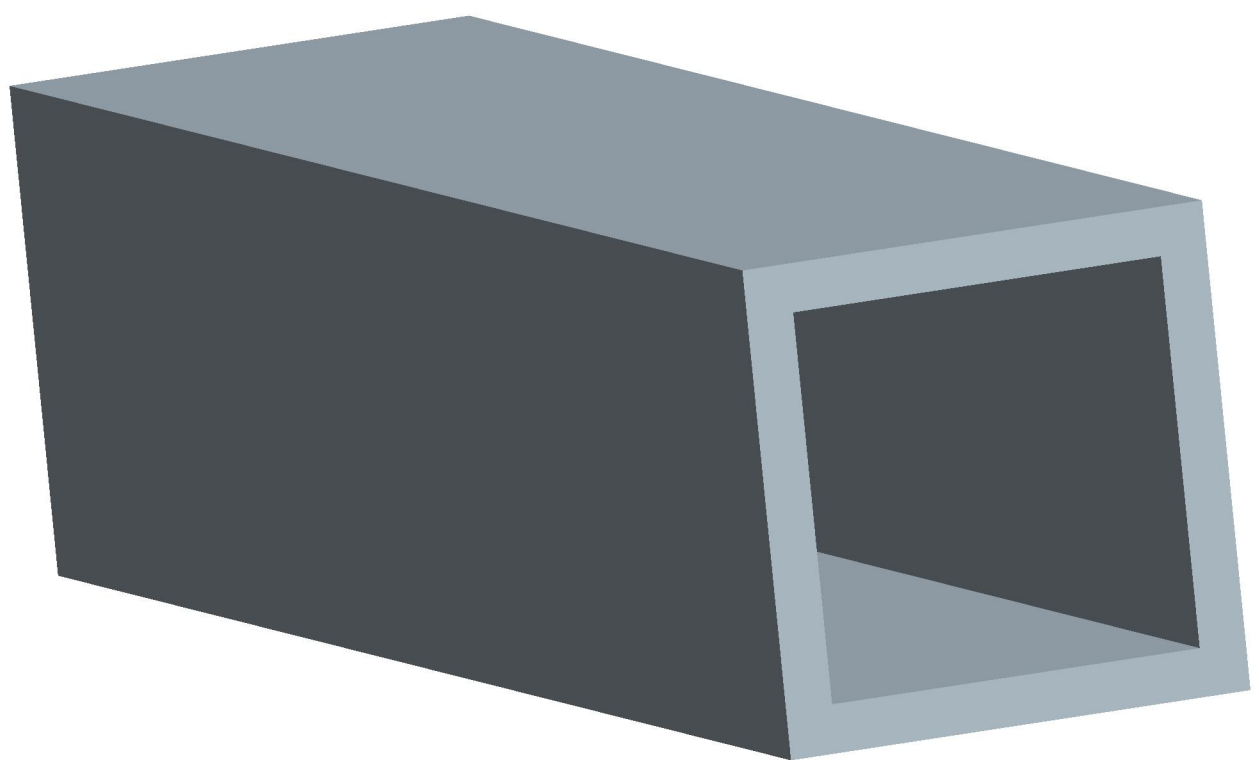




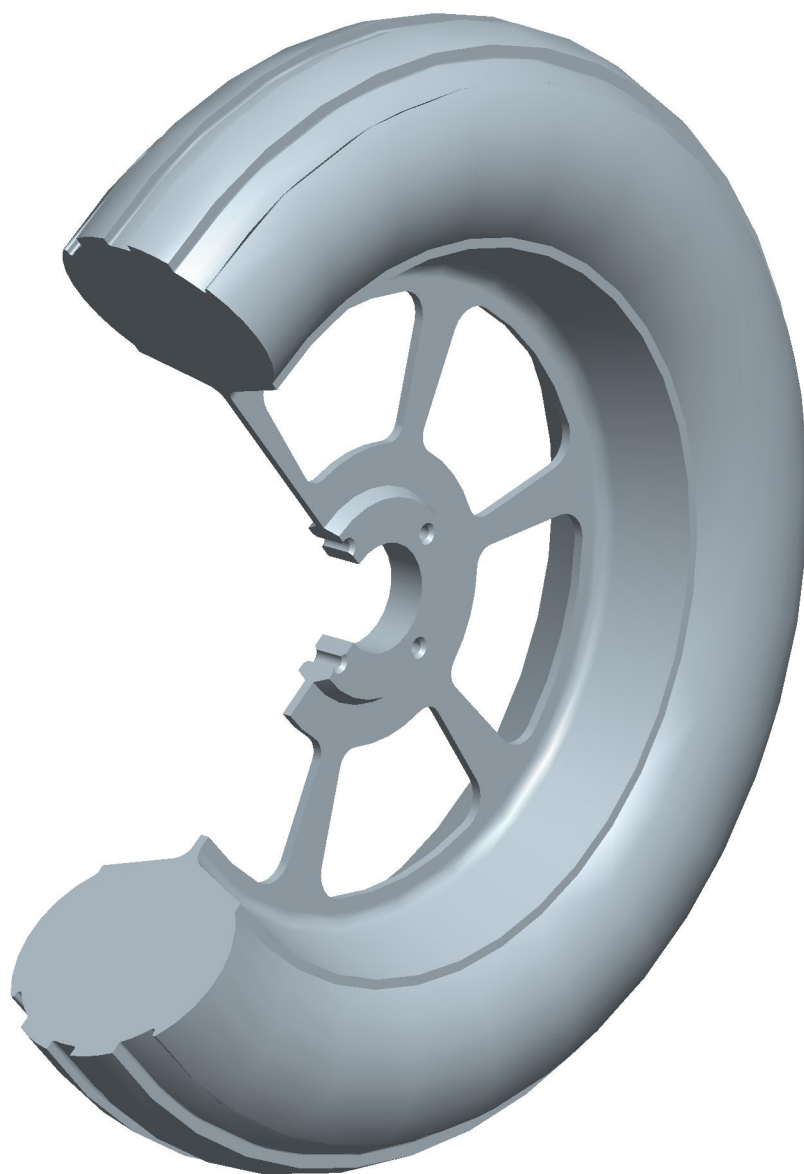


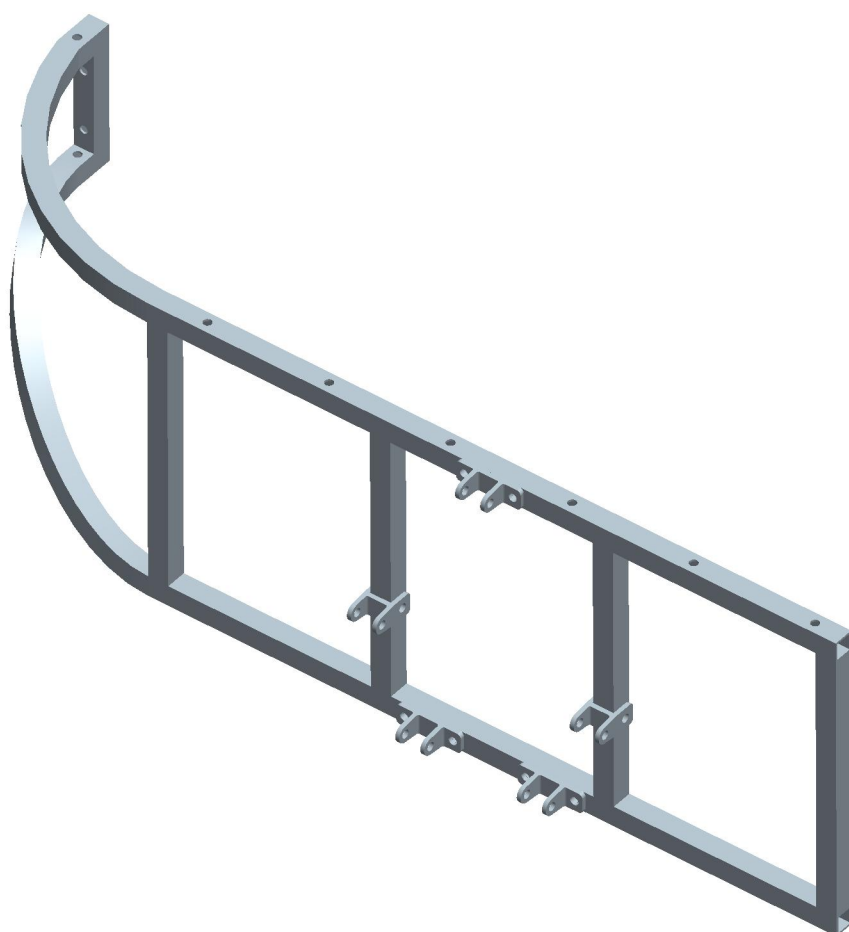


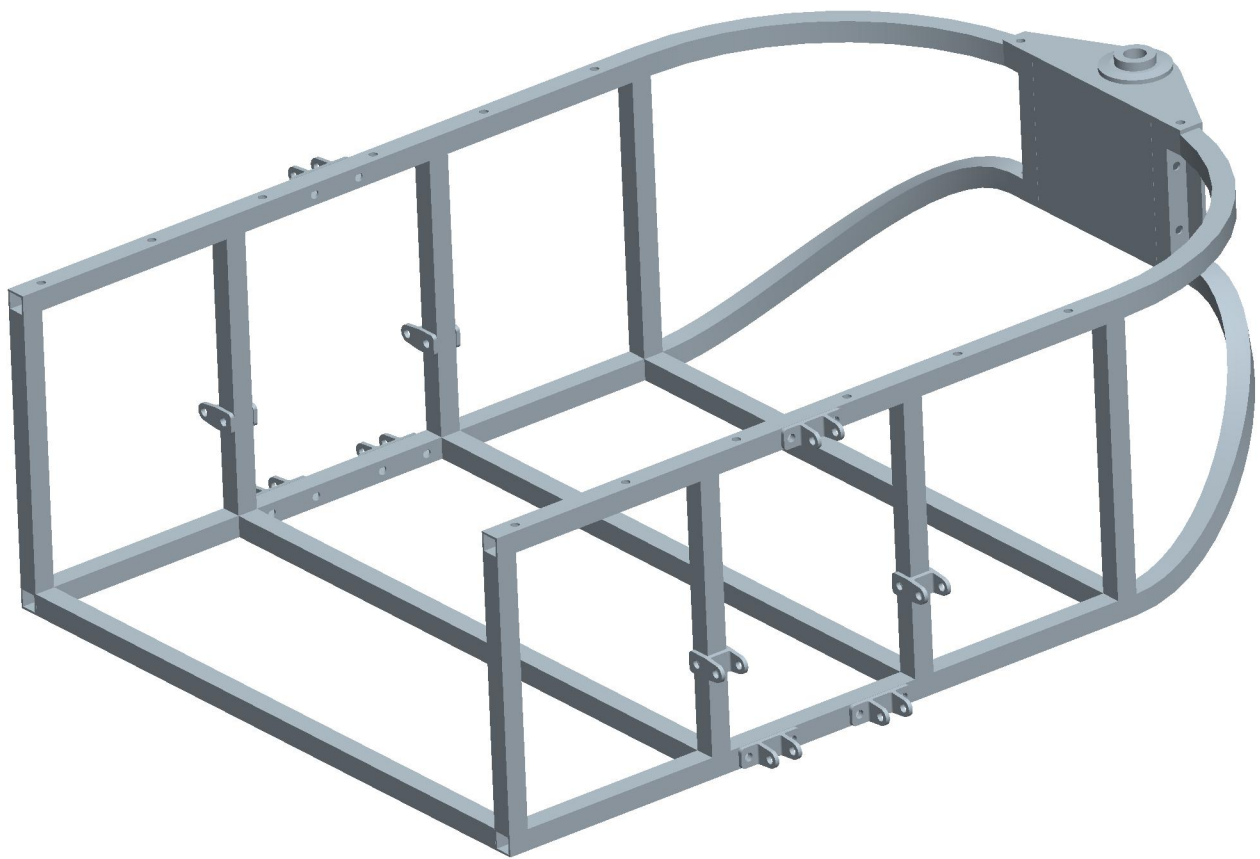


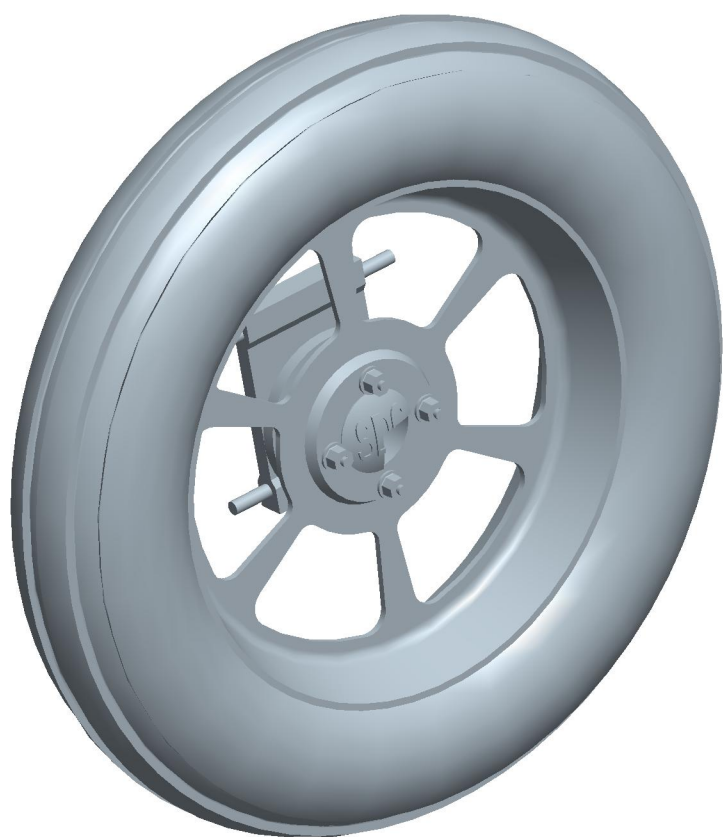


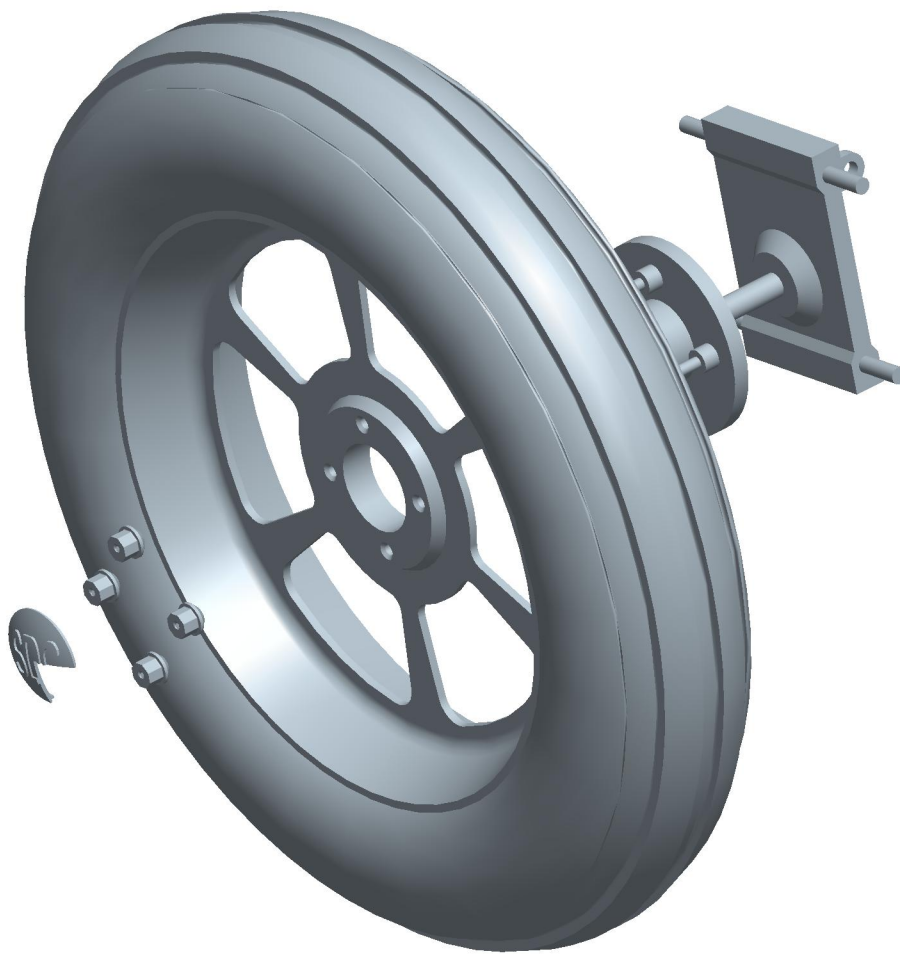
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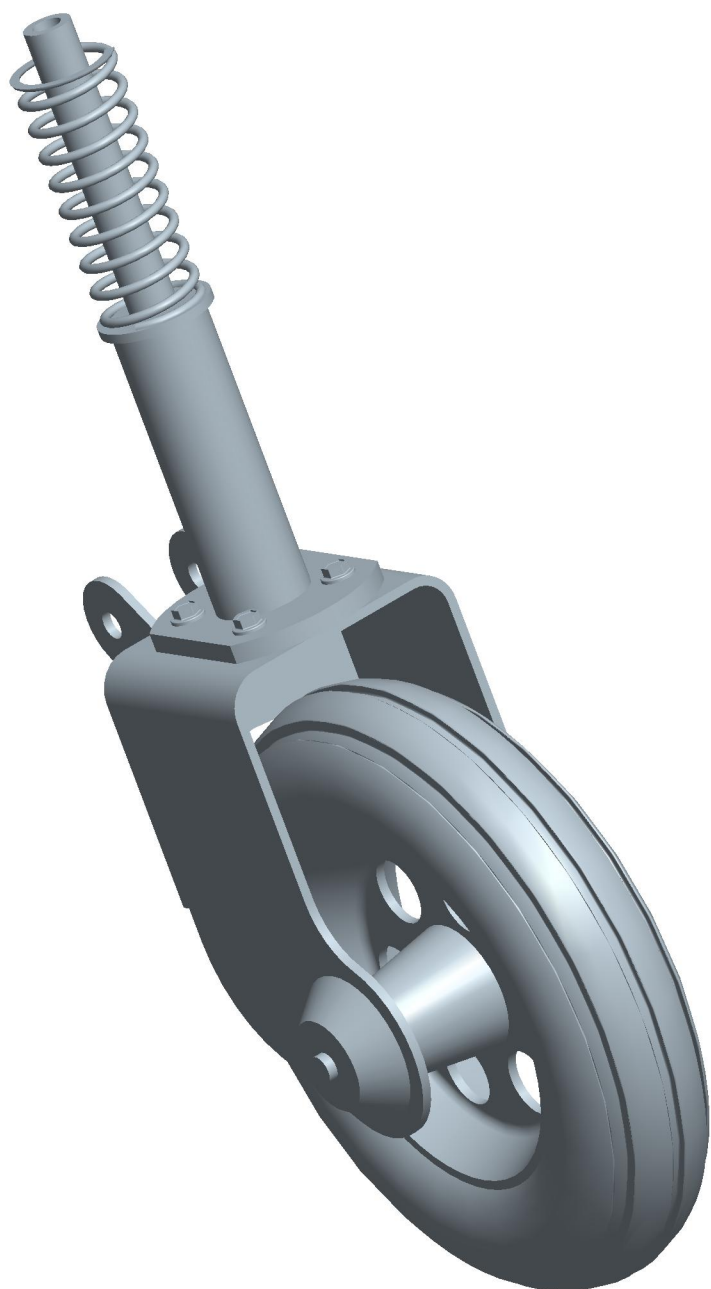


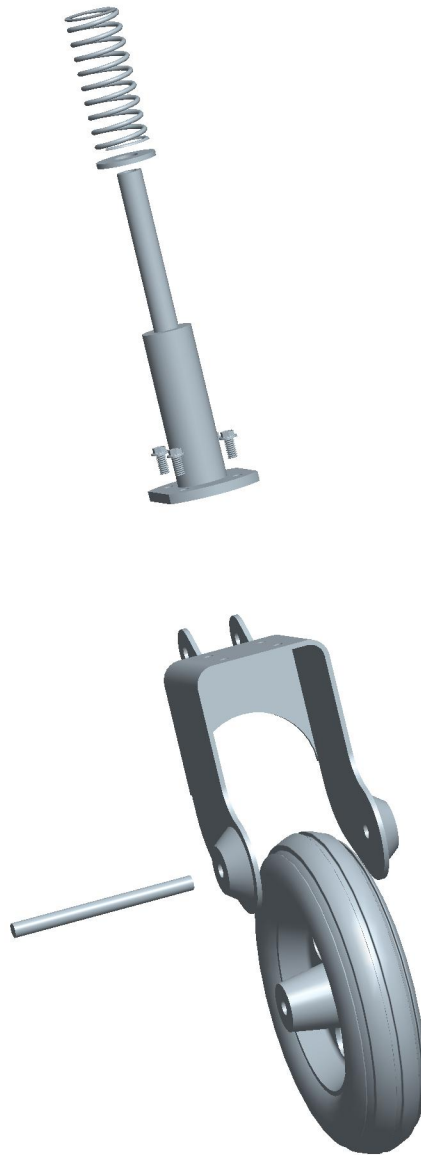




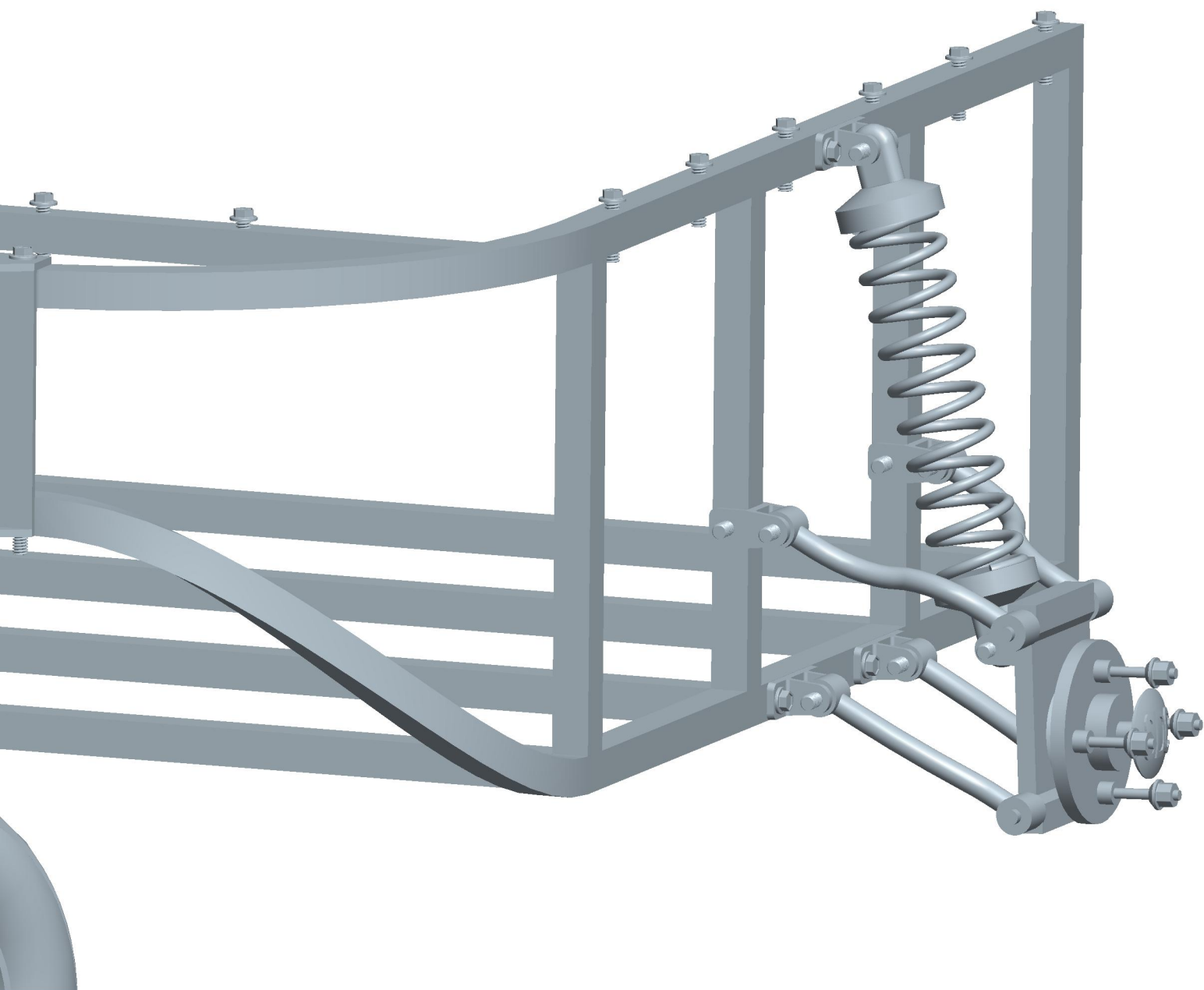
Explode State:Default Explode

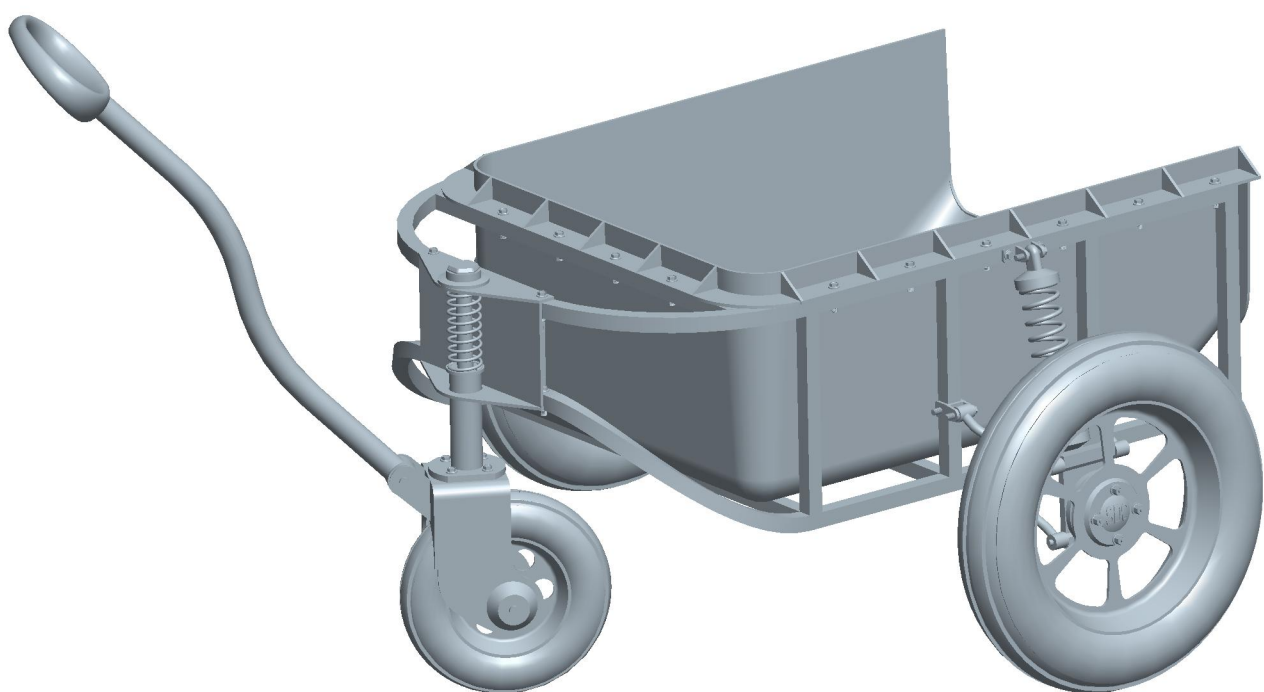


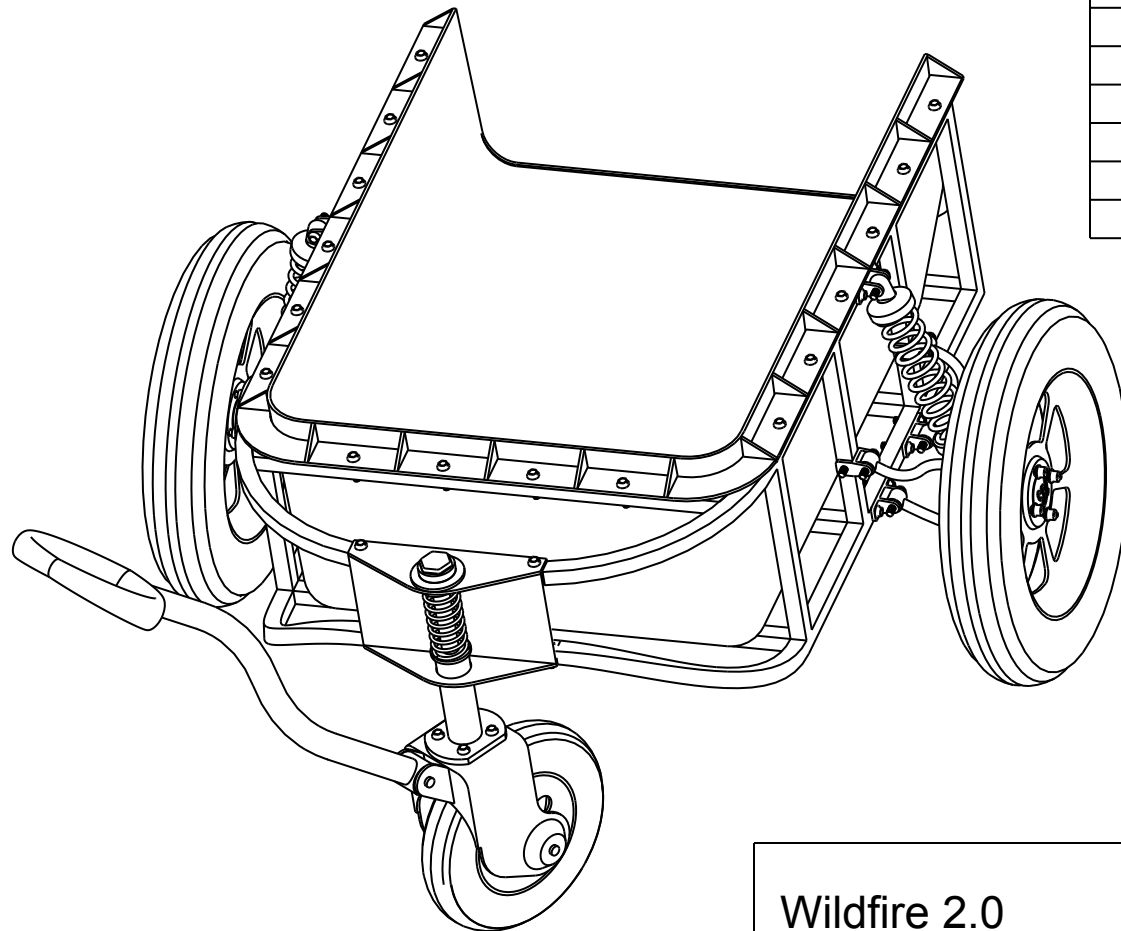




Explode State:Default Explode



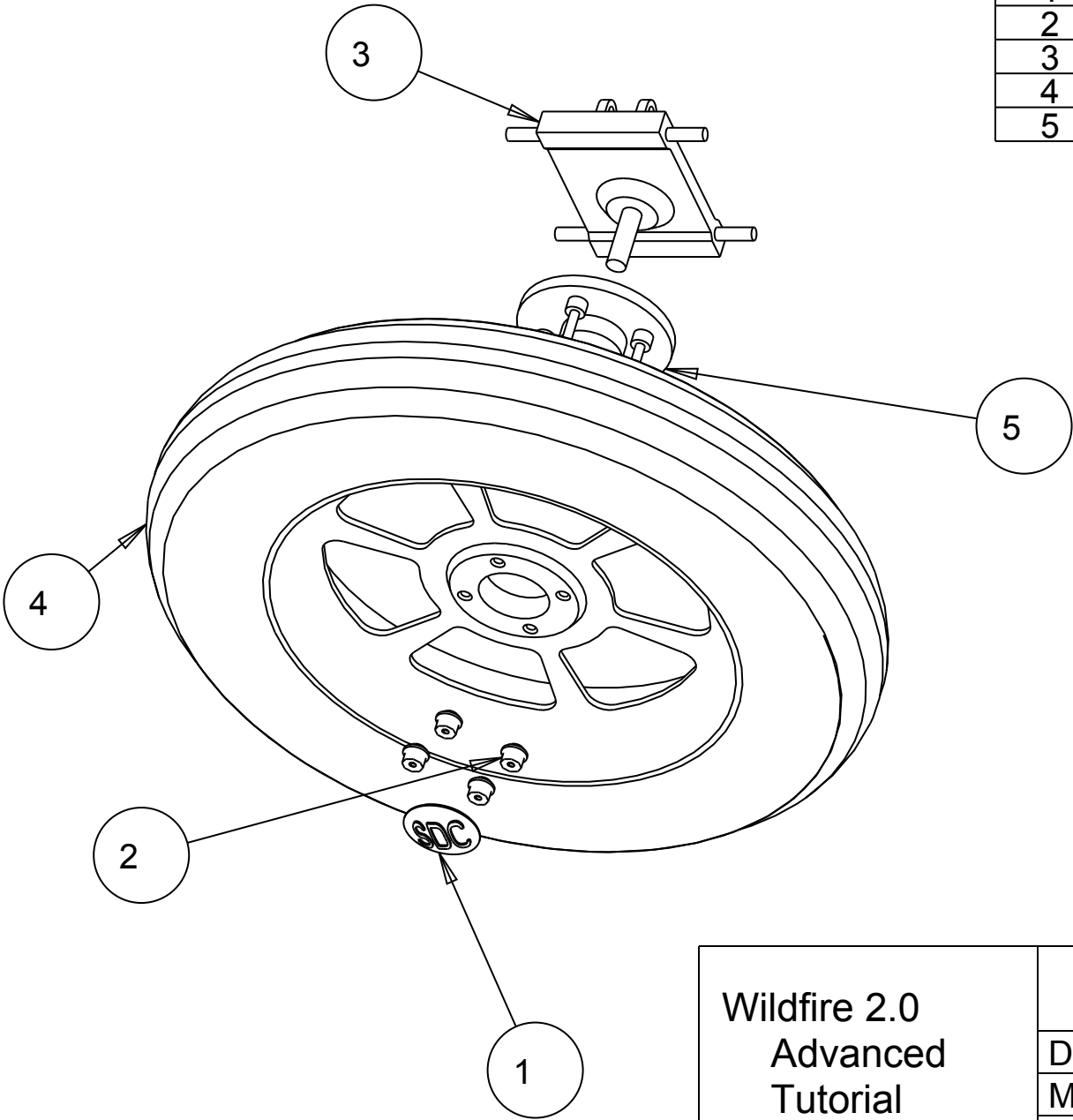




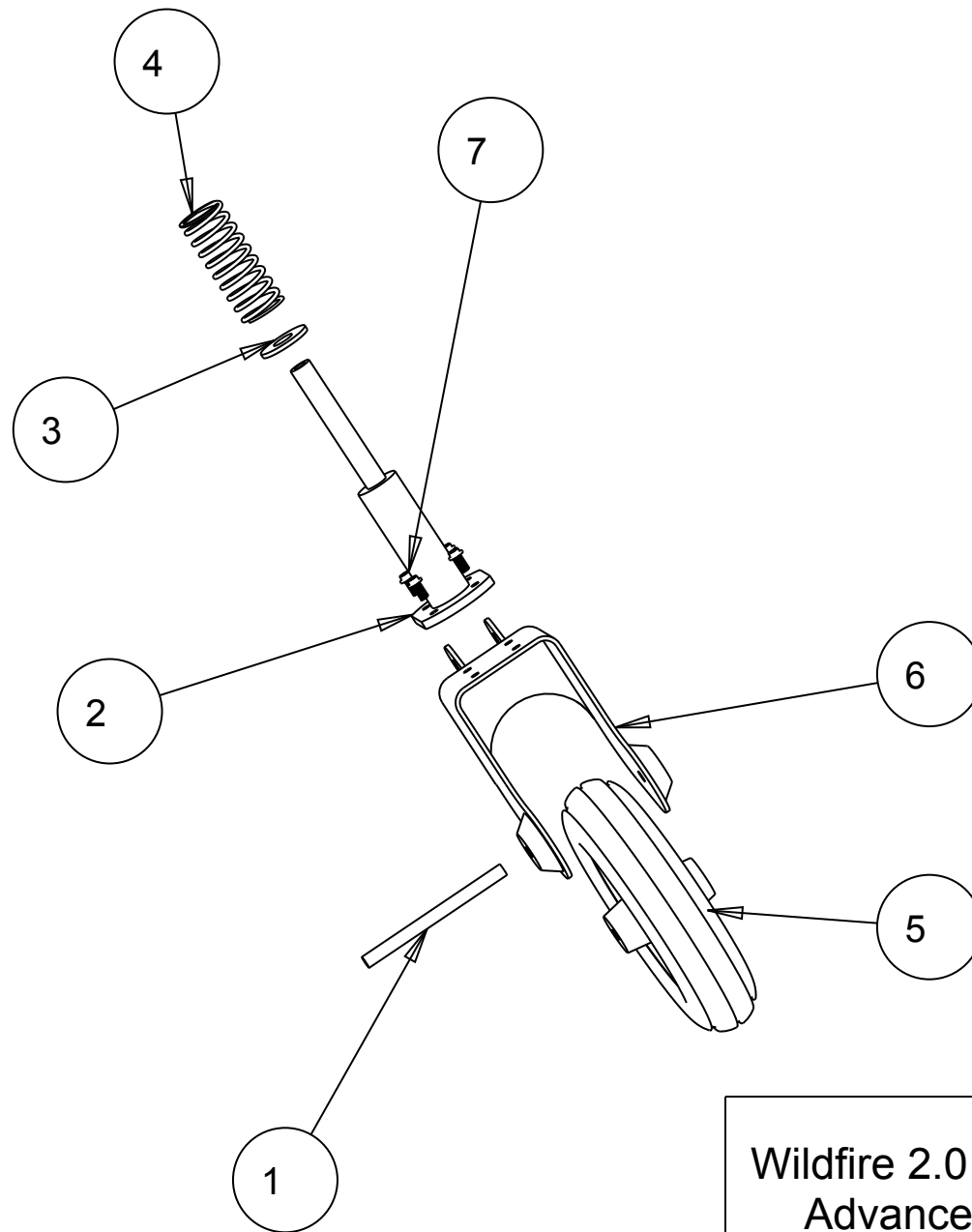
INDEX	Component Name	Component Type	QTY
1	ARM_LOWER	PART	4
2	ARM_UPPER	PART	4
3	CARGO	PART	1
4	CROSS_TUBE	PART	1
5	FRONT_WHEEL ASSEMBLY		1
6	H40	PART	36
7	H50	PART	16
8	HANDLE	PART	1
9	HANDLE_PIN	PART	1
10	MAIN_FRAME	ASSEMBLY	1
11	PILLAR_CAP	PART	1
12	SIDE_WHEEL ASSEMBLY		2
13	SPRING	PART	2

Wildfire 2.0 Advanced Tutorial	Wheel Subassembly	
	DRW FILE: CART	
	MOD FILE: CART_TOTAL	
	SCALE: 0.090	MATL: Various
	SDC Publications	DRW by: DSD
ProCad Engineering	DATE: 11-Apr-07	SHEET: 1 of 3
		TYPE: ASSEM

INDEX	Component Name	Component Type	QTY
1	HUBCAP	PART	1
2	LUGNUT	PART	4
3	MOUNT	PART	1
4	WHEEL	PART	1
5	WHEEL_AXLE	PART	1



Wildfire 2.0 Advanced Tutorial	Wheel Subassembly	
	DRW FILE: CART	
	MOD FILE: SIDE_WHEEL	
	SCALE: 0.020	MATL: Various
SDC Publications	DRW by: DSD	SHEET: 2 of 3
ProCad Engineering	DATE: 12-Apr-07	TYPE: ASSEM



INDEX	Component Name	Component Type	QTY
1	FRONT_AXLE	PART	1
2	FRONT_PILLAR	PART	1
3	FRONT_SPR_PLATE	PART	1
4	FRONT_SPRING	PART	1
5	FRONT_WHEEL	PART	1
6	FRONT_WHEEL_BRACKET	PART	1
7	H20	PART	4

Wildfire 2.0 Advanced Tutorial	Front Wheel	
	DRW FILE: CART	
	MOD FILE: FRONT_WHHEL	
	SCALE: 0.120	MATL: Vaious
SDC Publications	DRW by: DSD	SHEET: 3 of 3
ProCad Engineering	DATE: 12-Apr-07	TYPE: ASSEM