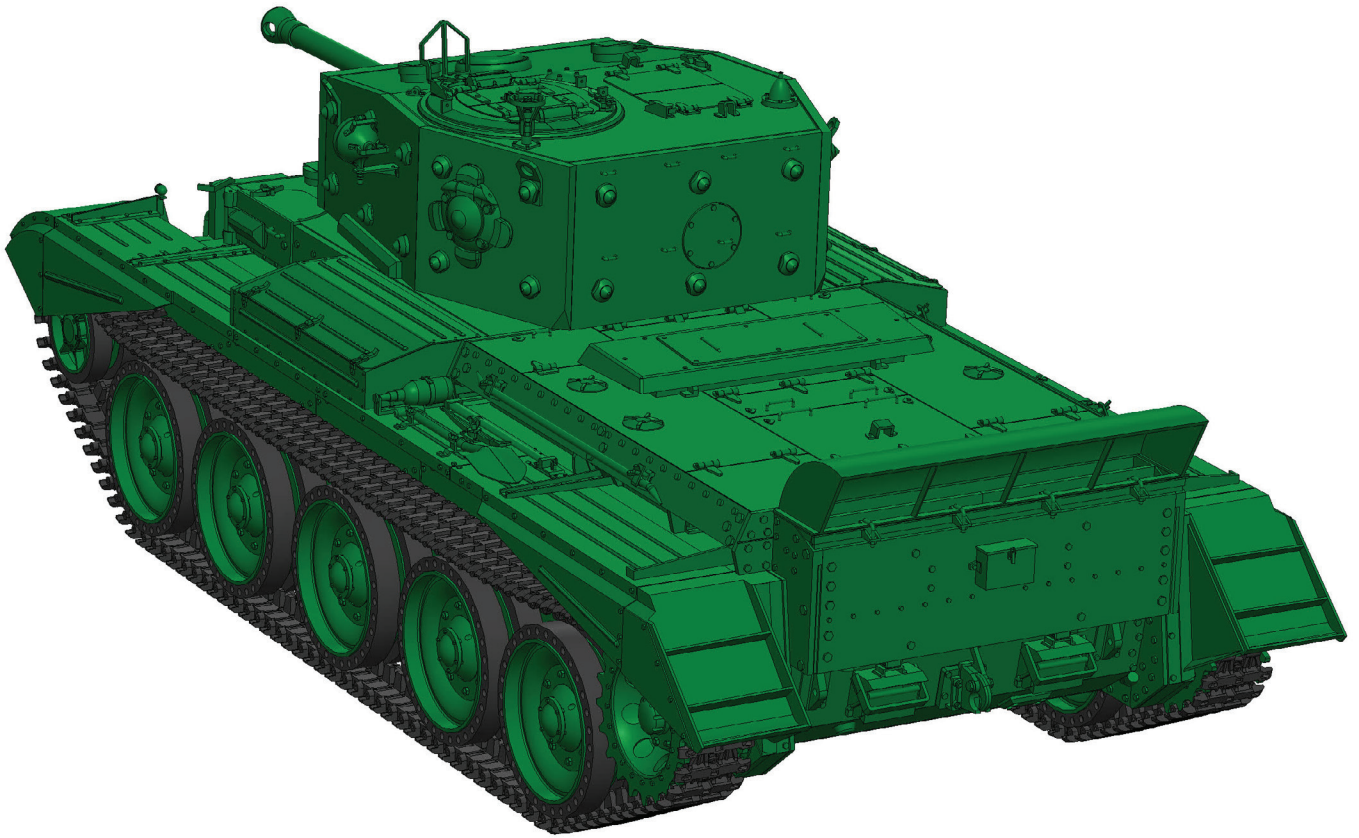


# Cromwell Mk.IV

## Cruiser Tank Mk. VIII

### Printing Guide



1/6 scale RC model by  **WARPRINTS**

# Cromwell Mk.IV

## Printing guide

**Calibrate the printer as best as possible, it is necessary to get the most accurate dimensions.**

For calibration tips, visit our forum:

<https://www.warprints.xyz/forum>

For surface treatment, we recommend XTC-3D diluted with technical alcohol (2:1) in favor of XTC-3D

**We do not recommend printing using PLA due to low melting point nor HD PLA for dimensional instability.**

If possible, try to print as many parts from ASA or ABS as possible.

The main advantages of ABS/ASA are mechanical and heat resistance, easy grinding and the possibility of bonding with acetone.

The acetone bonded joint is exceptionally strong.

The kit is divided into chapters. Assemblies from individual chapters can be uninstalled from the model at any time in case of need of service or maintenance.

**Never glue the complete subassemblies 01 - 06 together!!!**

The tables below contains a list of all necessary parts and basic printing information.

For more information on printing individual parts, continue below.

At the beginning of this printing guide, we provide tables with all the parts.

Column "alt." refers to the existence of an alternative part.

You can print the tables and use them when printing the parts.

If you want to print the tables, they are also available in a separate PDF file "PRINT LIST".

**You will find all the necessary components except the control unit, battery, receiver and transmitter in the customizable bill of materials.**

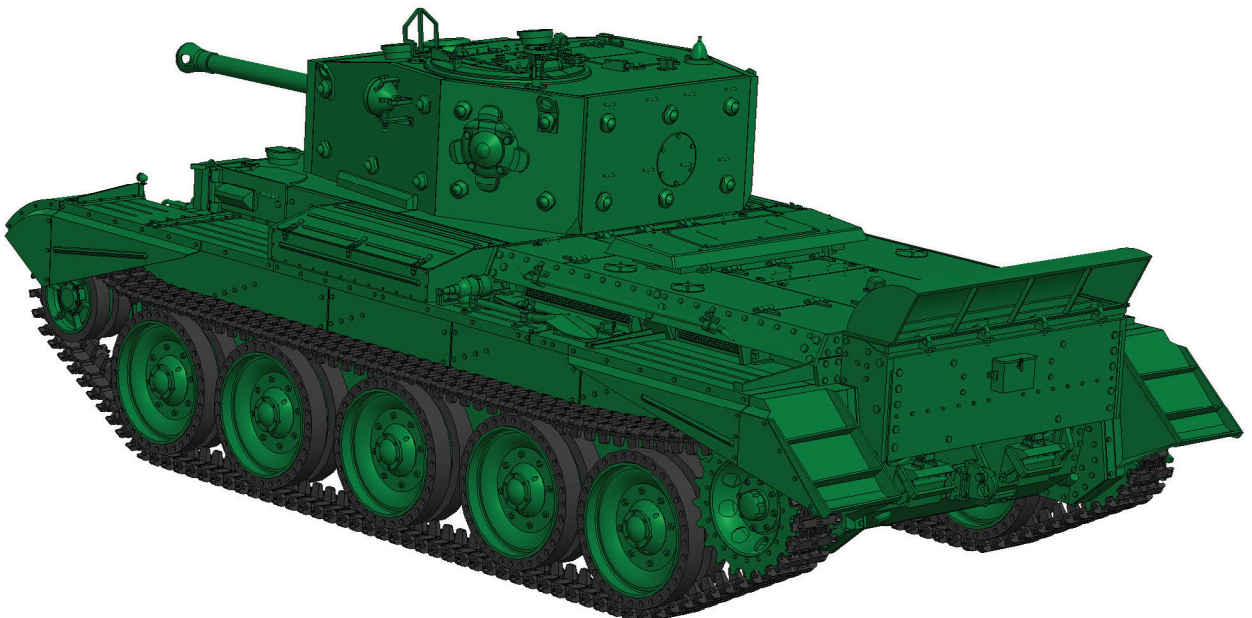
Bill of materials is a separate document, you can download it here:

<https://docs.google.com/spreadsheets/d/142xrjeuLH4kXfU9M0bAFwFHrhIOs7XbyhpbCO0pVRY/edit?usp=sharing>

Due to the large number of STL files, we recommend using thumbnails of STL files for a good overview of the folders. If you do not have any option to view thumbnails enabled on your PC, please check this page:

<https://www.warprints.xyz/forum/viewtopic.php?p=804>

If you have additional questions about printing, please contact us in our forum.





# Cromwell Mk.IV

## Printing guide

PART	amount	alt.	status
01-01A	1	YES	
01-01B	1	YES	
01-02A	1	YES	
01-02B	1	YES	
01-03A	1	YES	
01-03B	1	YES	
01-04A	1	YES	
01-04B	1	YES	
01-05A	1	YES	
01-05B	1	YES	
01-06A	1	YES	
01-06B	1	YES	
01-07A	1	YES	
01-07B	1	YES	
01-08A	1	YES	
01-08B	1	YES	
01-09A	1	YES	
01-09B	1	YES	
01-10A	1	YES	
01-10B	1	YES	
01-10C	1	YES	
01-10D	1	YES	
01-10E	1	YES	
01-11A	1	YES	
01-11B	1	YES	
01-11C	1	YES	
01-11D	1	YES	
01-11E	1	YES	
01-12A	1	NO	
01-12B	1	NO	
01-12C	1	NO	
01-12D	1	NO	
01-12E	1	NO	
01-13A	1	NO	
01-13B	1	NO	
01-13C	1	NO	
01-13D	1	NO	
01-13E	1	NO	
01-14A	1	NO	
01-14B	1	NO	
01-14C	1	NO	
01-14D	1	YES	
01-14E	1	YES	
01-15A	4	YES	
01-15B	2	YES	
01-15C	2	YES	
01-16	2	NO	
01-17	1	NO	

PART	amount	alt.	status
01-18	1	NO	
01-19	2	NO	
01-20	2	NO	
01-21	2	NO	
01-22A	5	NO	
01-22B	5	NO	
01-23A	5	NO	
01-23B	5	NO	
01-24A	20	YES	
01-24B	10	YES	
01-24C	10	YES	
01-24D	10	YES	
01-25	10	NO	
01-26	2	NO	
01-27	8	NO	
01-28	5	NO	
01-29	5	NO	
01-30A	1	YES	
01-30B	1	YES	
01-30C	1	YES	
01-30D	1	YES	
01-30E	1	YES	
01-30F	1	YES	
01-30G	1	YES	
01-30H	1	YES	
01-30I	1	YES	
01-30J	1	YES	
01-30K	1	NO	
01-31A	1	YES	
01-31B	1	YES	
01-31C	1	YES	
01-31D	1	YES	
01-31E	1	YES	
01-31F	1	YES	
01-31G	1	YES	
01-31H	1	YES	
01-31I	1	YES	
01-31J	1	YES	
01-31K	1	NO	
01-32	1	NO	
01-33	1	NO	
01-34A	2	NO	
01-34B	2	NO	
01-34C	2	NO	
01-35	2	NO	
01-36	2	NO	
01-37	2	NO	
01-38	240	NO	

# Cromwell Mk.IV

## Printing guide

PART	amount	alt.*	status
02-01A	1	YES	
02-01B	1	YES	
02-02A	1	YES	
02-02B	1	YES	
02-02C	1	YES	
02-02D	1	YES	
02-03A	1	YES	
02-03B	1	YES	
02-03C	1	YES	
02-03D	1	YES	
02-04A	1	NO	
02-04B	1	NO	
02-05A	1	YES	
02-05B	1	YES	
02-05C	1	YES	
02-05D	1	YES	
02-06	1	NO	
02-07	1	NO	
02-08	1	NO	
02-09	1	NO	
02-10A	1	YES	
02-10B	1	YES	
02-11	1	YES	
02-12	2	YES	
02-13	1	YES	
02-14A	1	YES	
02-14B	1	YES	
02-15A	1	YES	
02-15B	1	YES	
02-16A	1	YES	
02-16B	1	YES	
02-17	12	NO	
02-18A	1	YES	
02-18B	1	YES	
02-18C	1	YES	
02-19A	1	YES	
02-19B	1	YES	
02-19C	1	YES	
02-20A	1	YES	
02-20B	1	YES	
02-21A	1	YES	
02-21B	1	YES	
02-22A	1	YES	
02-22B	1	YES	
02-23A	1	YES	
02-23B	1	YES	
02-24A	1	YES	
02-24B	1	NO	

PART	amount	alt.*	status
02-24C	1	NO	
02-25A	1	YES	
02-25B	1	NO	
02-25C	1	NO	
02-26	1	NO	
02-27	2	NO	
02-28	1	NO	
02-29	1	NO	
02-30	2	NO	
02-31A	1	NO	
02-31B	1	NO	
02-31C	1	NO	
02-31D	1	YES	
02-31E	1	NO	
02-32	1	NO	
02-33	1	YES	
02-34	1	NO	
02-35A	1	YES	
02-35B	1	YES	
02-36A	1	YES	
02-36B	1	YES	
02-37A	1	YES	
02-37B	1	YES	
02-37C	1	NO	
02-38A	1	YES	
02-38B	1	YES	
02-38C	1	NO	
02-38D	1	NO	
02-39A	4	YES	
02-39B	4	YES	
02-40A	2	YES	
02-40B	2	YES	
02-41A	1	NO	
02-41B	1	NO	
02-41C	1	YES	
02-41D	1	NO	
02-42	1	NO	
02-43A	1	YES	
02-43B	1	NO	
02-44A	1	NO	
02-44B	1	NO	
02-45	3	YES	
02-46	3	NO	
02-47A	3	YES	
02-47B	3	YES	
02-47C	3	YES	
02-47D	9	YES	
02-48	1	NO	

# Cromwell Mk.IV

## Printing guide

PART	amount	alt.*	status
04-01A	1	YES	
04-01B	1	YES	
04-01C	1	YES	
04-01D	1	YES	
04-02A	1	YES	
04-02B	5	YES	
04-02C	1	YES	
04-03A	1	YES	
04-03B	3	YES	
04-03C	1	YES	
04-03D	1	YES	
04-04A	1	YES	
04-04B	5	YES	
04-04C	1	YES	
04-05A	1	YES	
04-05B	3	YES	
04-05C	1	YES	
04-05D	1	YES	
04-06A	1	YES	
04-06B	5	YES	
04-06C	1	YES	
04-07A	1	YES	
04-07B	6	YES	
04-07C	1	YES	
04-08A	1	YES	
04-08B	1	YES	
04-08C	1	YES	
04-08D	1	YES	
04-08E	1	NO	
04-08F	1	NO	
04-09	1	NO	

PART	amount	alt.*	status
05-01A	1	YES	
05-01B	2	YES	
05-01C	1	YES	
05-01D	1	NO	
05-01E	1	YES	
05-01F	1	NO	
05-01G	2	NO	
05-01H	2	NO	
05-02A	1	YES	
05-02B	1	YES	
05-02C	2	YES	
05-03	1	NO	
05-04A	1	YES	
05-04B	1	YES	
05-05A	2	NO	
05-05B	2	NO	
05-06A	2	NO	
05-06B	2	NO	
05-07	1	YES	
05-08	1	YES	
05-09	2	YES	
05-10A	1	YES	
05-10B	1	YES	

PART	amount	alt.*	status
06-01A	1	YES	
06-01B	1	YES	
06-02	1	NO	
06-03	1	YES	
06-04	1	YES	
06-05	1	YES	
06-06	1	YES	
06-07	1	YES	
06-08	1	YES	
06-09	1	YES	
06-10	1	YES	
06-11	1	YES	
06-12	1	YES	
06-13	2	NO	

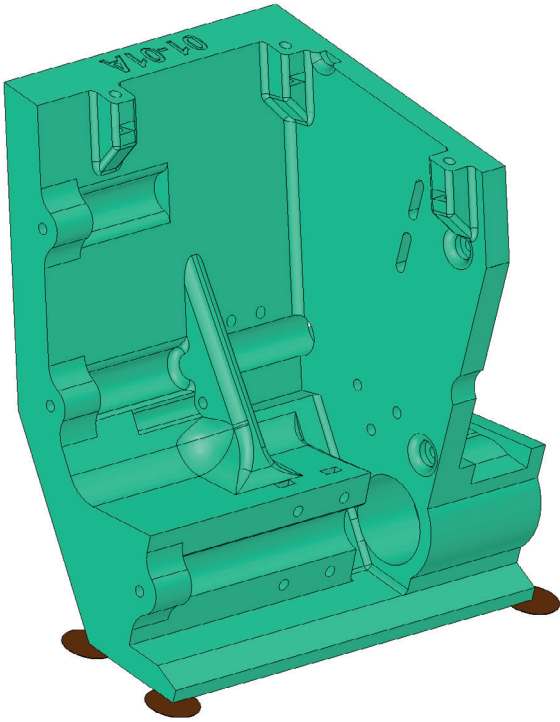




# Cromwell Mk.IV

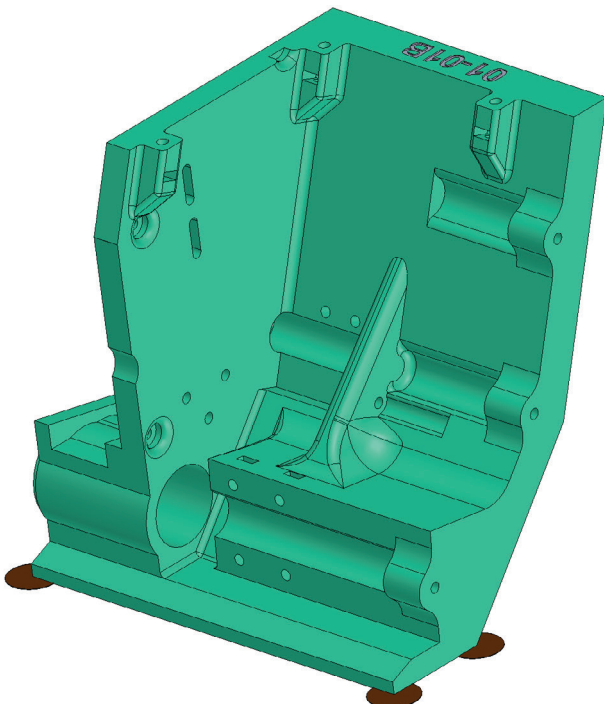
## Printing guide

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<b>PART Nr.:</b>	<b>01-01A</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-01A_NO_BASE</b> .
	If you have a big printer you can use part <b>01-01AB</b> (or <b>01-01AB_NO_BASE</b> ) instead of parts <b>01-01A</b> and <b>01-01B</b> .

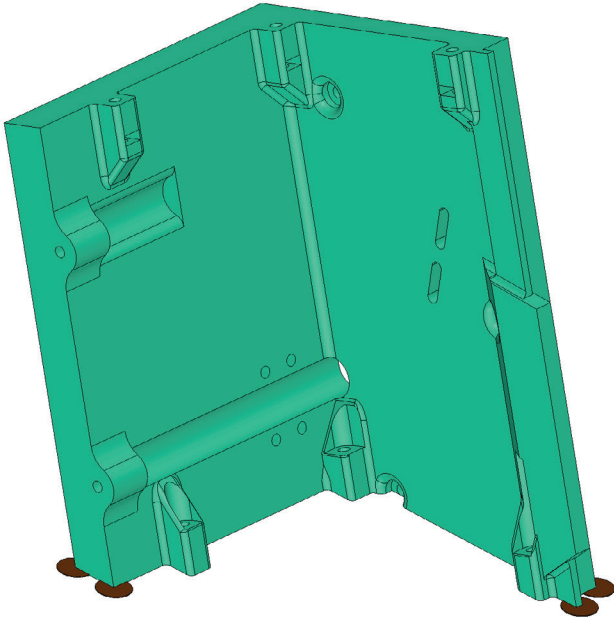


<b>PART Nr.:</b>	<b>01-01B</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-01B_NO_BASE</b> .
	If you have a big printer you can use part <b>01-01AB</b> (or <b>01-01AB_NO_BASE</b> ) instead of parts <b>01-01A</b> and <b>01-01B</b> .

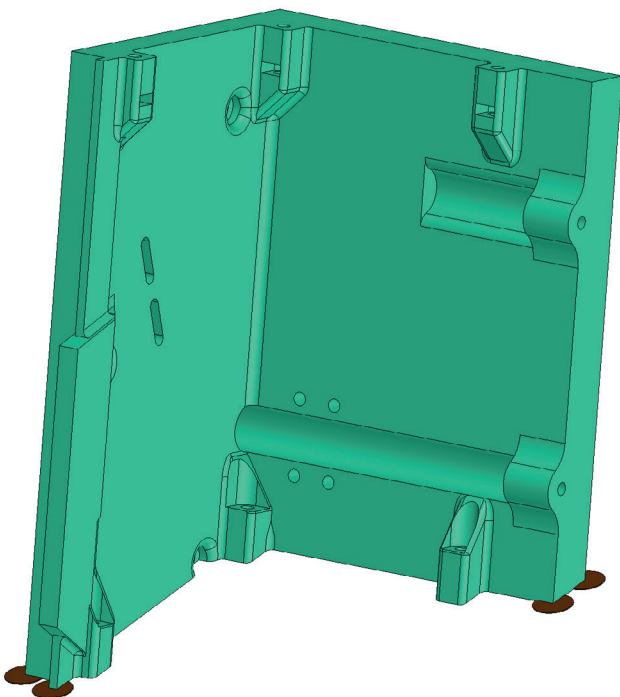
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>01-02A</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

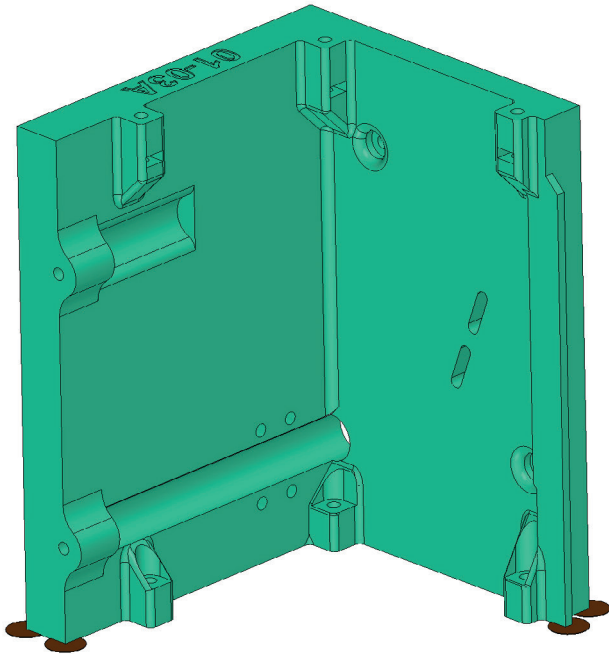
NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-02A_NO_BASE</b> .
	If you have a big printer you can use part <b>01-02AB</b> (or <b>01-02AB_NO_BASE</b> ) instead of parts <b>01-02A</b> and <b>01-02B</b> .



<b>PART Nr.:</b>	<b>01-02B</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

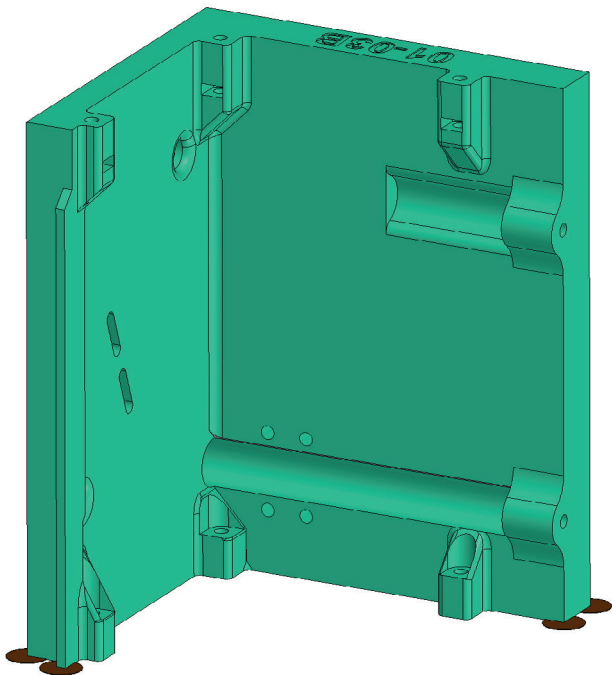
NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-02B_NO_BASE</b> .
	If you have a big printer you can use part <b>01-02AB</b> (or <b>01-02AB_NO_BASE</b> ) instead of parts <b>01-02A</b> and <b>01-02B</b> .





<b>PART Nr.:</b>	<b>01-03A</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-03A_NO_BASE</b> .
	If you have a big printer you can use part <b>01-03AB</b> (or <b>01-03AB_NO_BASE</b> ) instead of parts <b>01-03A</b> and <b>01-03B</b> .

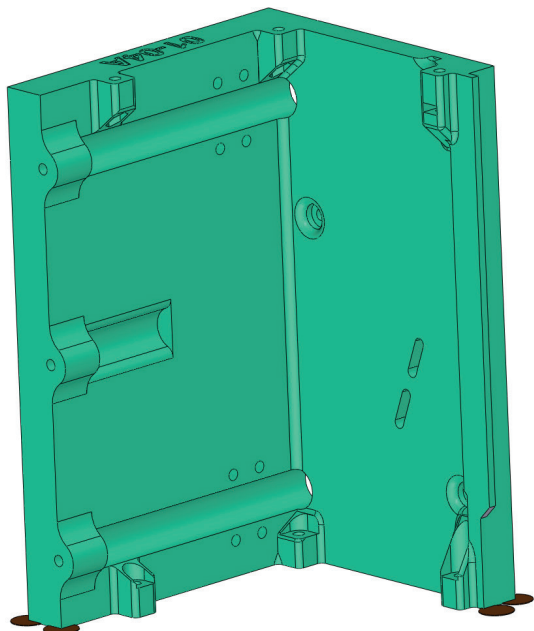


<b>PART Nr.:</b>	<b>01-03B</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-03B_NO_BASE</b> .
	If you have a big printer you can use part <b>01-03AB</b> (or <b>01-03AB_NO_BASE</b> ) instead of parts <b>01-03A</b> and <b>01-03B</b> .

# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>01-04A</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

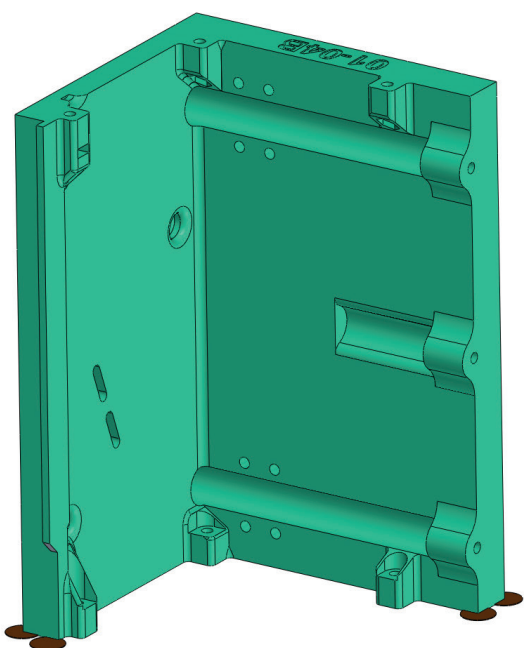
**NOTES:**

Drill the screw holes with a 4-4.5mm drill bit.

Cut off the auxiliary areas marked in red.

If you do not need the auxiliary areas, you can print an alternate part **01-04A\_NO\_BASE**.

If you have a big printer you can use part **01-04AB** (or **01-04AB\_NO\_BASE**) instead of parts **01-04A** and **01-04B**.



<b>PART Nr.:</b>	<b>01-04B</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

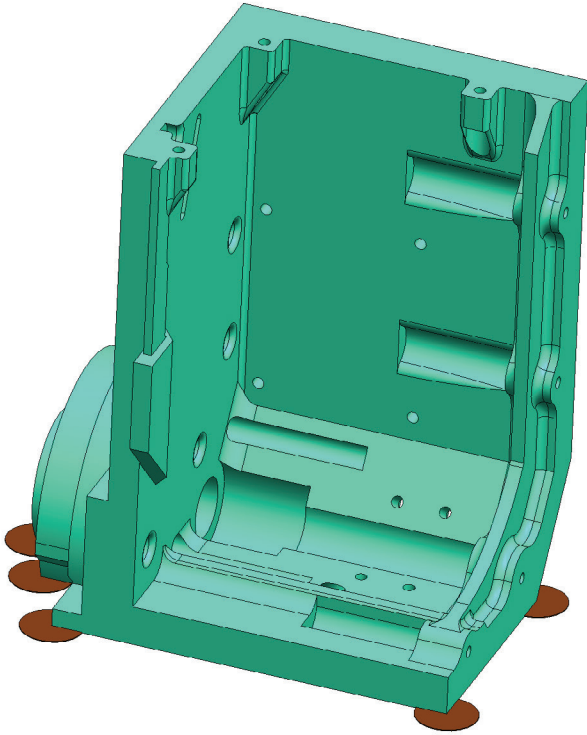
**NOTES:**

Drill the screw holes with a 4-4.5mm drill bit.

Cut off the auxiliary areas marked in red.

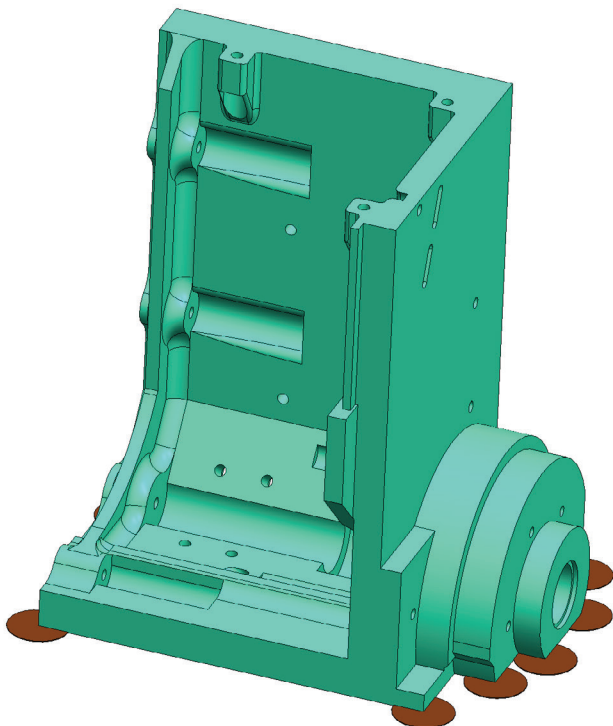
If you do not need the auxiliary areas, you can print an alternate part **01-04B\_NO\_BASE**.

If you have a big printer you can use part **01-04AB** (or **01-04AB\_NO\_BASE**) instead of parts **01-04A** and **01-04B**.



<b>PART Nr.:</b>	<b>01-05A</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-05A_NO_BASE</b> .
	If you have a big printer you can use part <b>01-05AB</b> (or <b>01-05AB_NO_BASE</b> ) instead of parts <b>01-05A</b> and <b>01-05B</b> .



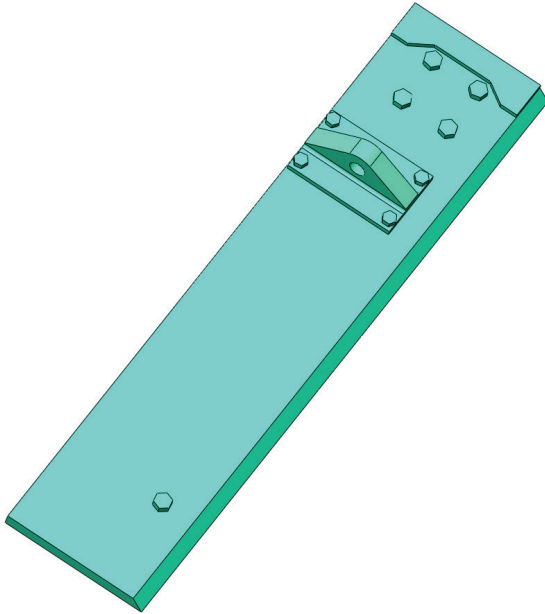
<b>PART Nr.:</b>	<b>01-05B</b>
AMOUNT:	1x
MATERIAL:	PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	30%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>01-05B_NO_BASE</b> .
	If you have a big printer you can use part <b>01-05AB</b> (or <b>01-05AB_NO_BASE</b> ) instead of parts <b>01-05A</b> and <b>01-05B</b> .



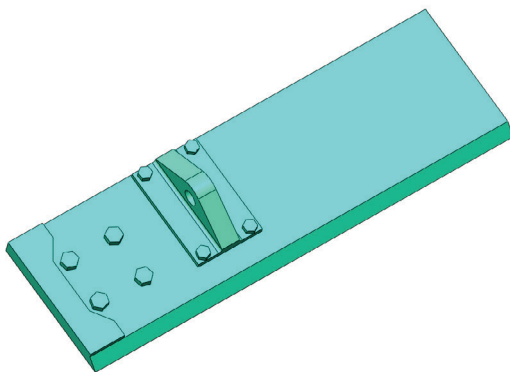
## Cromwell Mk.IV

### Printing guide



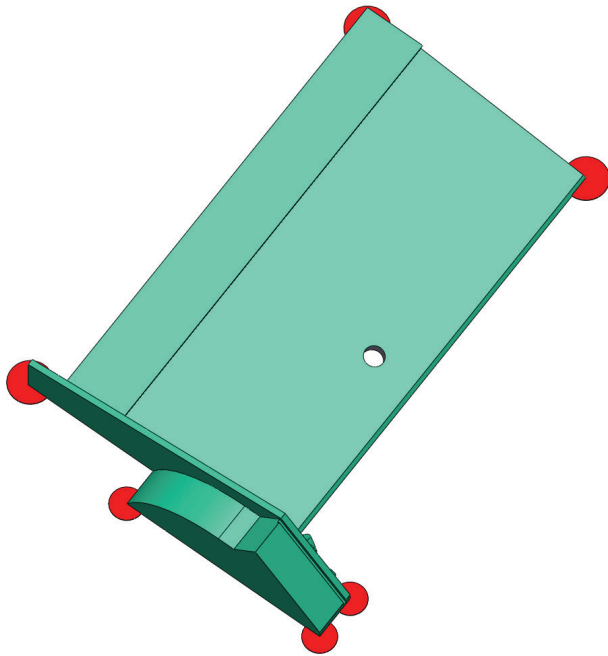
<b>PART Nr.:</b>	<b>01-06A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-06AB** instead of parts **01-06A** and **01-06B**.



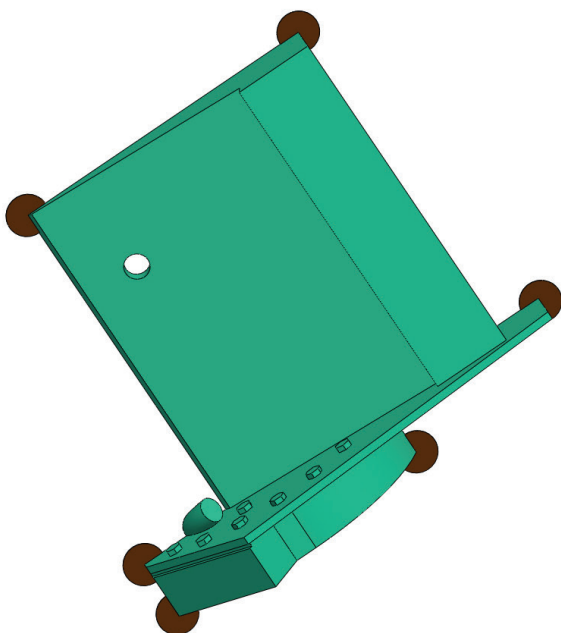
<b>PART Nr.:</b>	<b>01-06B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-06AB** instead of parts **01-06A** and **01-06B**.



<b>PART Nr.:</b>	<b>01-07A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,15 - 0,26mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>01-07A_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>01-07AB</b> (or <b>01-07AB_NO_BASE</b>) instead of parts <b>01-07A</b> and <b>01-07B</b>.</p>
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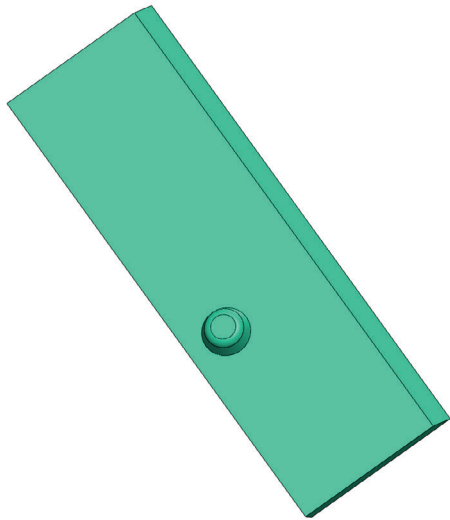


<b>PART Nr.:</b>	<b>01-07B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,15 - 0,26mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>01-07B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>01-07AB</b> (or <b>01-07AB_NO_BASE</b>) instead of parts <b>01-07A</b> and <b>01-07B</b>.</p>
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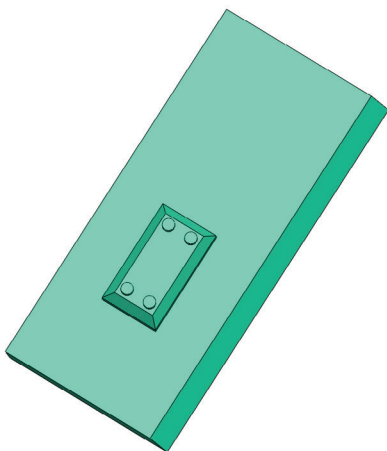
## Cromwell Mk.IV

### Printing guide



<b>PART Nr.:</b>	<b>01-08A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

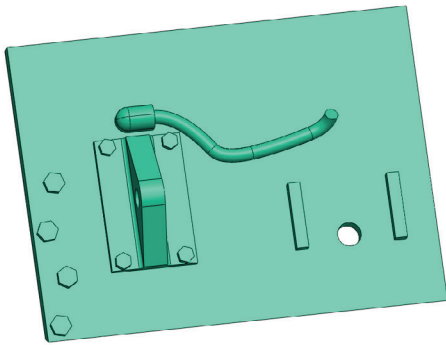
NOTES: If you have a big printer you can use part **01-08AB** instead of parts **01-08A** and **01-08B**.



<b>PART Nr.:</b>	<b>01-08B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

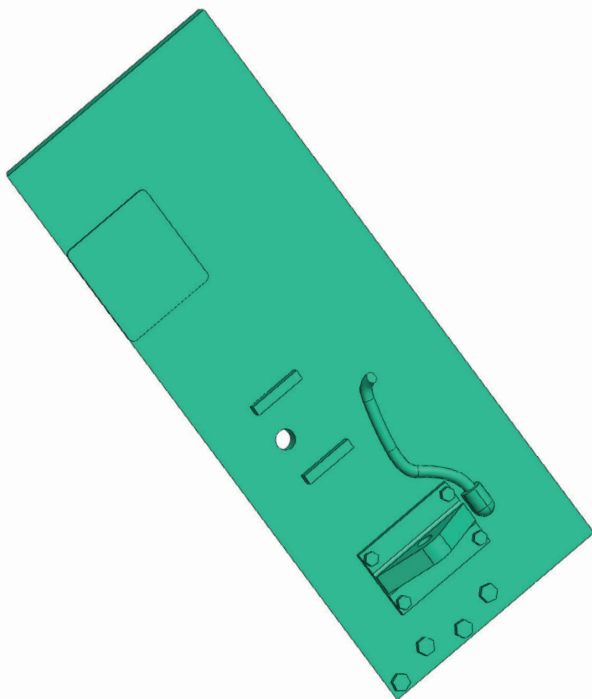
NOTES: If you have a big printer you can use part **01-08AB** instead of parts **01-08A** and **01-08B**.





<b>PART Nr.:</b>	<b>01-09A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-09AB** instead of parts **01-09A** and **01-09B**.

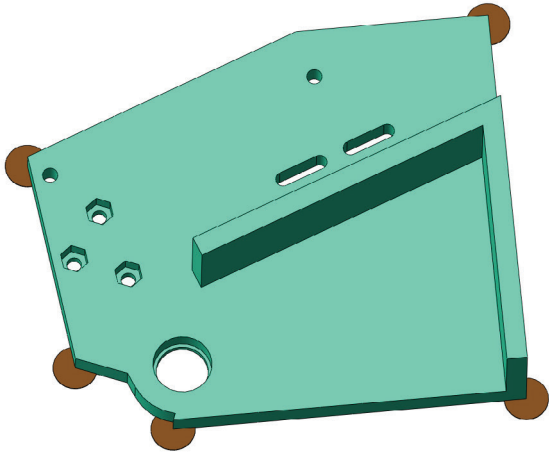


<b>PART Nr.:</b>	<b>01-09B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-09AB** instead of parts **01-09A** and **01-09B**.

# Cromwell Mk.IV

## Printing guide

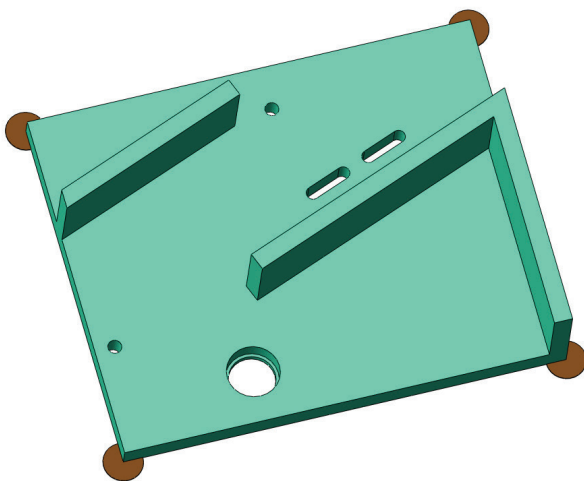


<b>PART Nr.:</b>	<b>01-10A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

**NOTES:** Cut off the auxiliary areas marked in red.

If you do not need the auxiliary areas, you can print an alternate part **01-10A\_NO\_BASE**.

If you have a big printer you can use part **01-10AB** (or **01-10AB\_NO\_BASE**) instead of parts **01-10A** and **01-10B**.

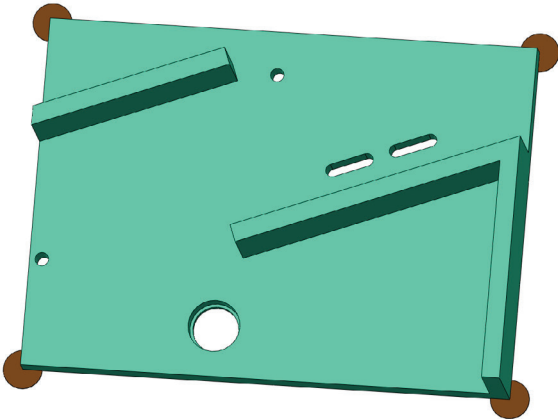


<b>PART Nr.:</b>	<b>01-10B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

**NOTES:** Cut off the auxiliary areas marked in red.

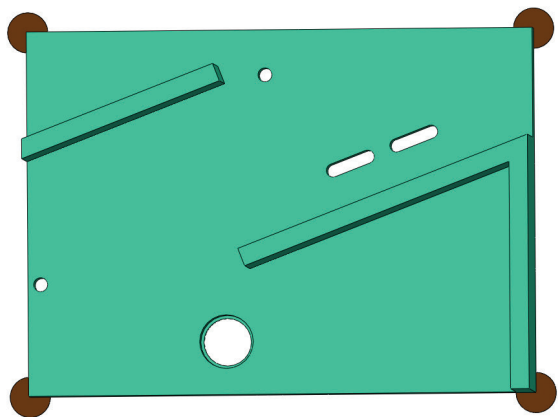
If you do not need the auxiliary areas, you can print an alternate part **01-10B\_NO\_BASE**.

If you have a big printer you can use part **01-10AB** (or **01-10AB\_NO\_BASE**) instead of parts **01-10A** and **01-10B**.



<b>PART Nr.:</b>	<b>01-10C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>01-10C_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>01-10CD</b> (or <b>01-10CD_NO_BASE</b>) instead of parts <b>01-10C</b> and <b>01-10D</b>.</p>
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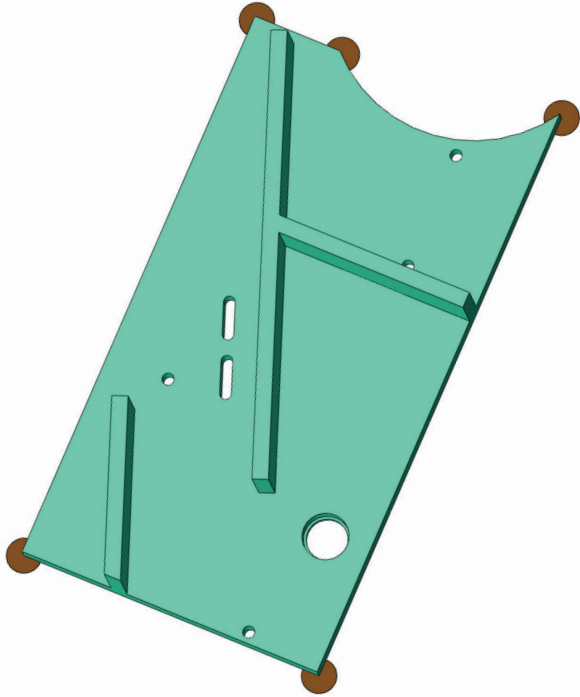


<b>PART Nr.:</b>	<b>01-10D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>01-10D_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>01-10CD</b> (or <b>01-10CD_NO_BASE</b>) instead of parts <b>01-10C</b> and <b>01-10D</b>.</p>
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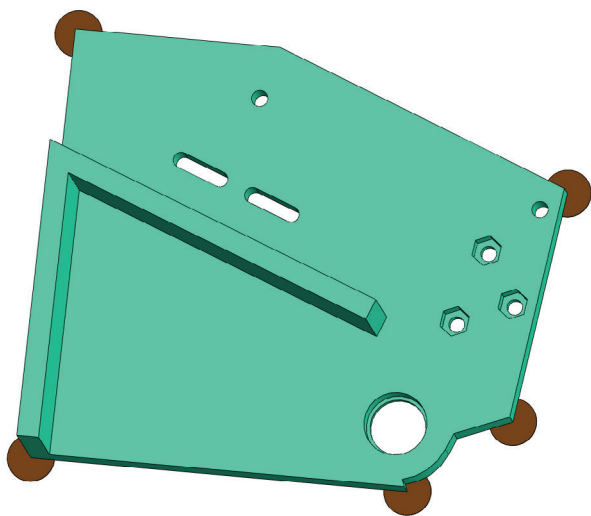
## Cromwell Mk.IV

### Printing guide



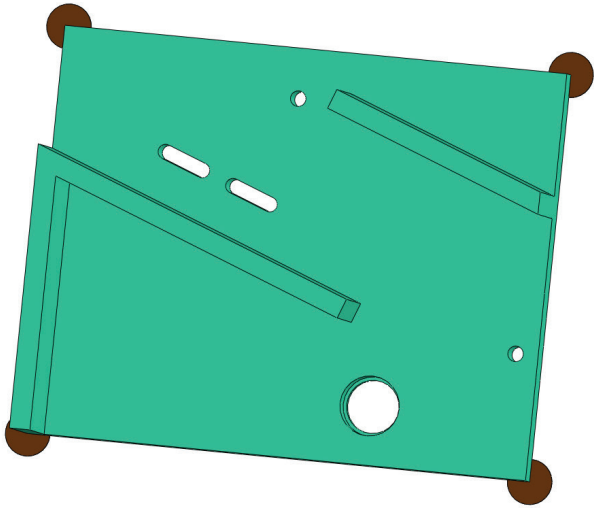
<b>PART Nr.:</b>	<b>01-10E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **01-10E\_NO\_BASE**.



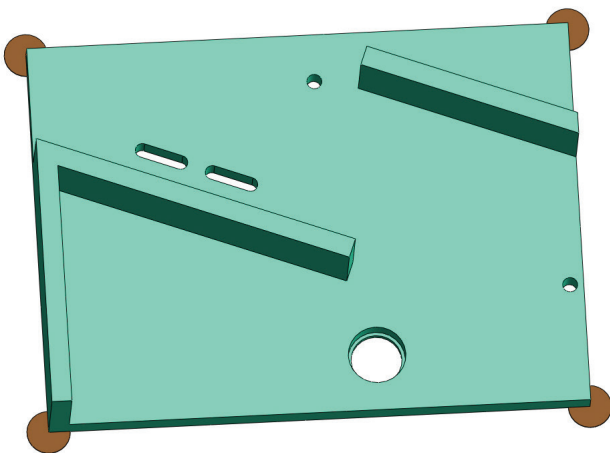
<b>PART Nr.:</b>	<b>01-11A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **01-11A\_NO\_BASE**.  
If you have a big printer you can use part **01-11AB** (or **01-11AB\_NO\_BASE**) instead of parts **01-11A** and **01-11B**.



<b>PART Nr.:</b>	<b>01-11B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>01-11B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>01-11AB</b> (or <b>01-11AB_NO_BASE</b>) instead of parts <b>01-11A</b> and <b>01-11B</b>.</p>
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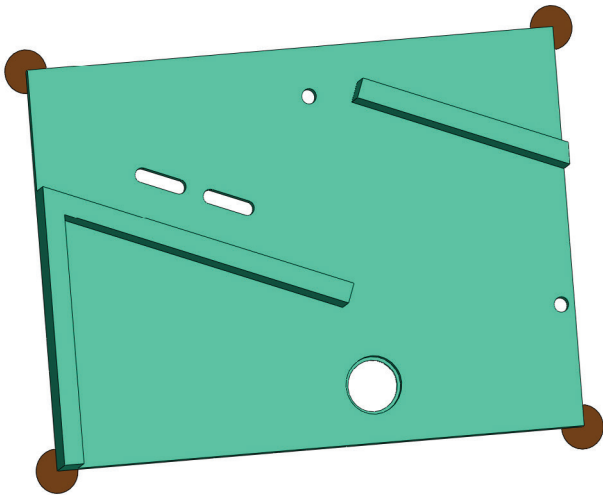


<b>PART Nr.:</b>	<b>01-11C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>01-11C_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>01-11CD</b> (or <b>01-11CD_NO_BASE</b>) instead of parts <b>01-11C</b> and <b>01-11D</b>.</p>
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# Cromwell Mk.IV

## Printing guide

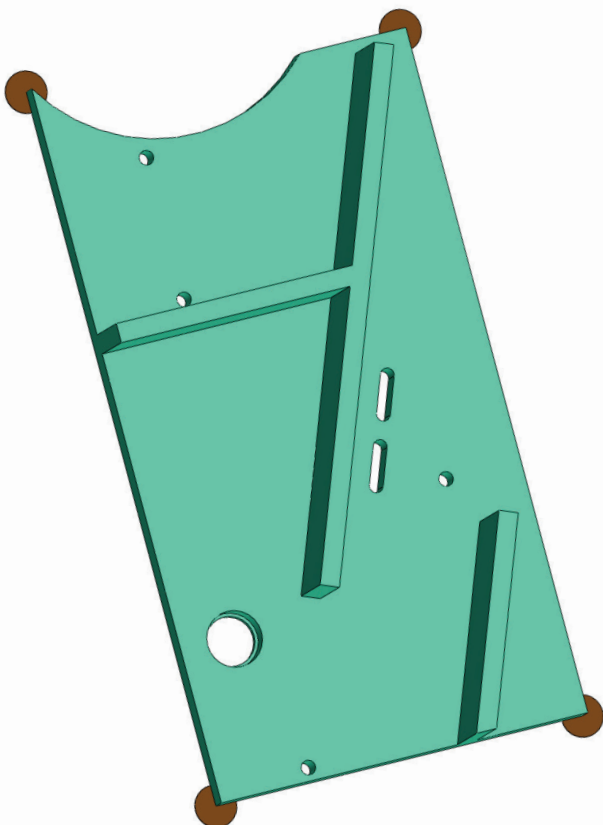


<b>PART Nr.:</b>	<b>01-11D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

**NOTES:** Cut off the auxiliary areas marked in red.

If you do not need the auxiliary areas, you can print an alternate part **01-11D\_NO\_BASE**.

If you have a big printer you can use part **01-11CD** (or **01-11CD\_NO\_BASE**) instead of parts **01-11C** and **01-11D**.

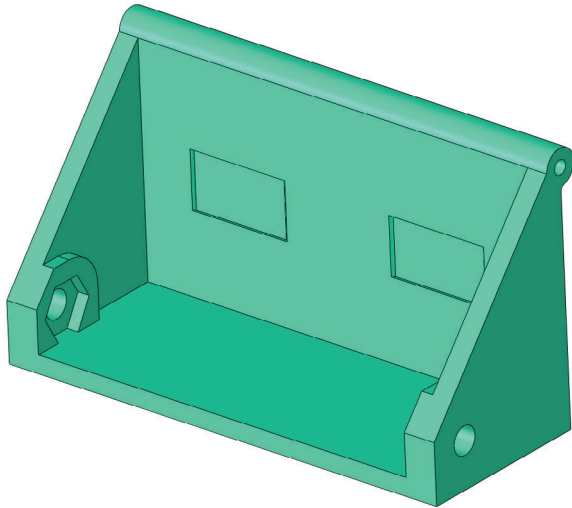


<b>PART Nr.:</b>	<b>01-11E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	25%
PERIMETERS:	3

**NOTES:** Cut off the auxiliary areas marked in red.

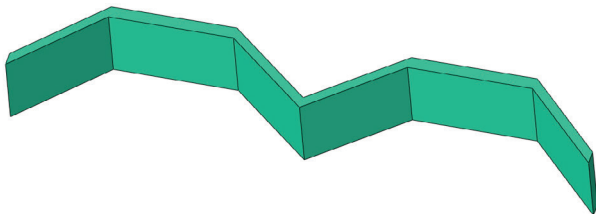
If you do not need the auxiliary areas, you can print an alternate part **01-11E\_NO\_BASE**.





<b>PART Nr.:</b>	<b>01-12A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	2 - 3

NOTES:	The part is identical to part 01-13A. <b>You will need a total of 2 pieces of this part.</b>
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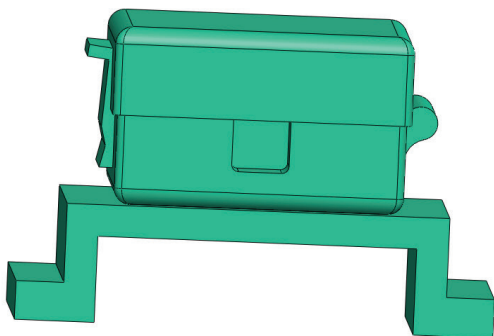
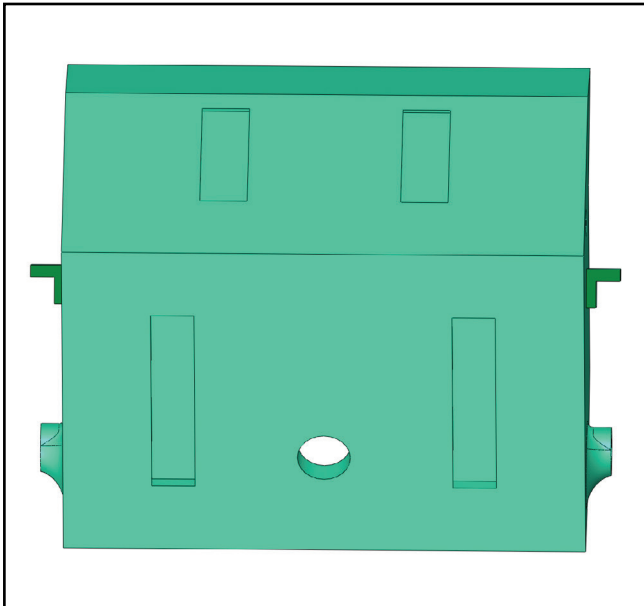
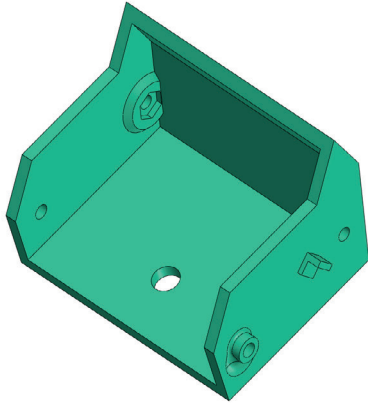


<b>PART Nr.:</b>	<b>01-12B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	2 - 4

NOTES:	The part is identical to part 01-13B. <b>You will need a total of 2 pieces of this part.</b>
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# Cromwell Mk.IV

## Printing guide

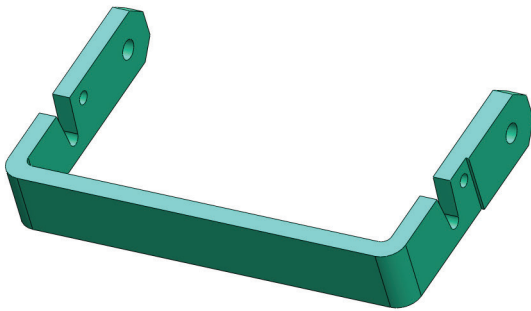


<b>PART Nr.:</b>	<b>01-12C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	2 - 3

NOTES:	<p>Apply the support to areas marked in green.</p> <p>The part is identical to part 01-13C.  <b>You will need a total of 2 pieces of this part.</b></p>
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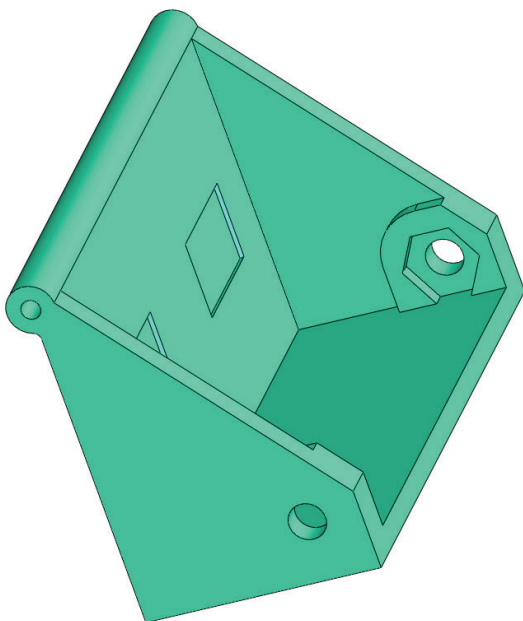
<b>PART Nr.:</b>	<b>01-12D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	2 - 3

NOTES:	
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<b>PART Nr.:</b>	<b>01-12E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 40%
PERIMETERS:	3

NOTES:	
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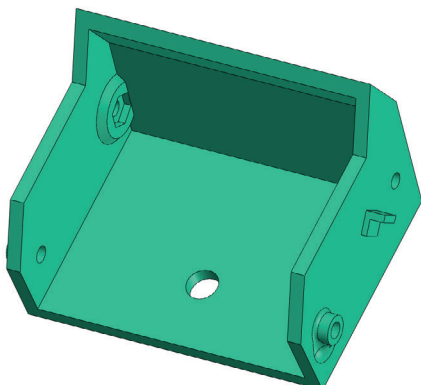
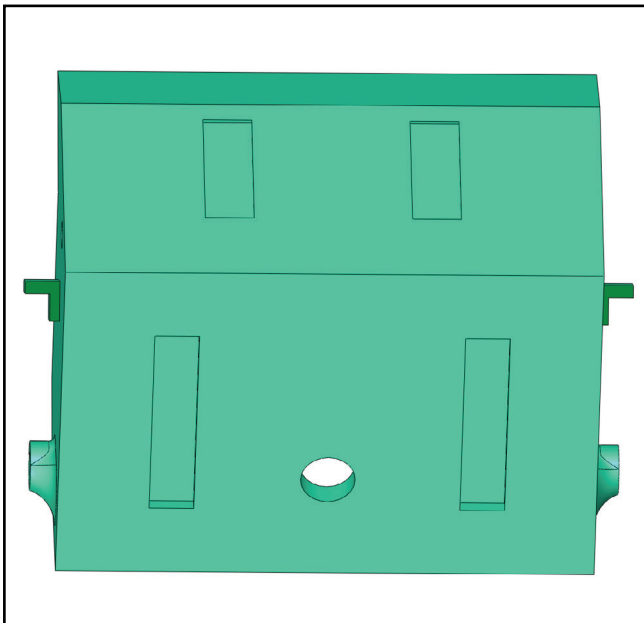
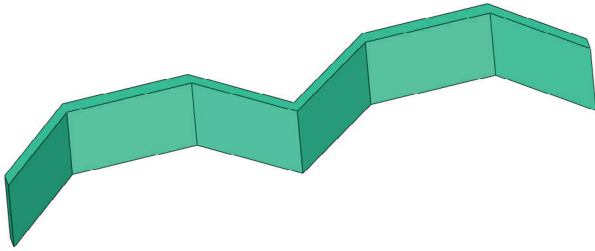


<b>PART Nr.:</b>	<b>01-13A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	2 - 3

NOTES:	The part is identical to part 01-12A. <b>You will need a total of 2 pieces of this part.</b>
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# Cromwell Mk.IV

## Printing guide

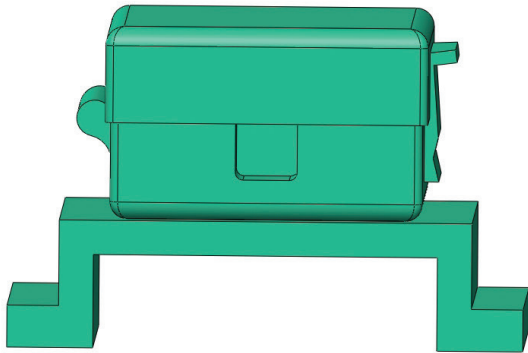


<b>PART Nr.:</b>	<b>01-13B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	2 - 4

NOTES: The part is identical to part 01-12B.  
**You will need a total of 2 pieces of this part.**

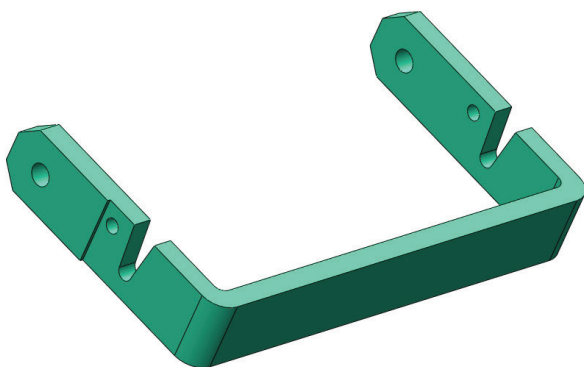
<b>PART Nr.:</b>	<b>01-13C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	2 - 3

NOTES: Apply the support to areas marked in green.  
 The part is identical to part 01-12C.  
**You will need a total of 2 pieces of this part.**



<b>PART Nr.:</b>	<b>01-13D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	2 - 3

NOTES:	
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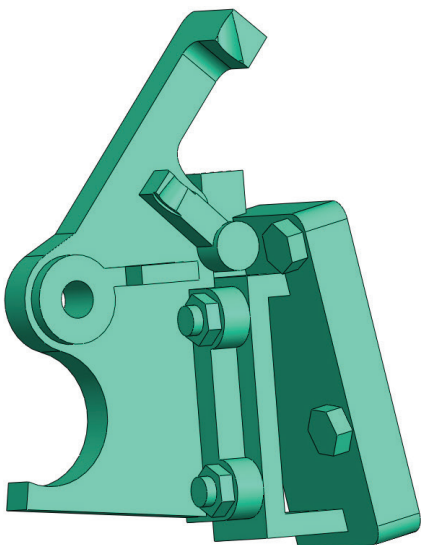
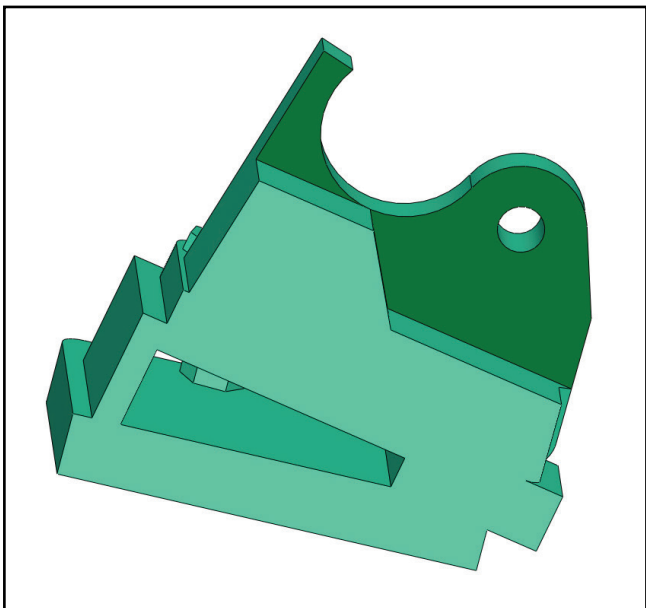
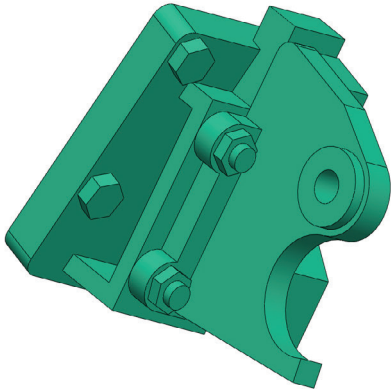


<b>PART Nr.:</b>	<b>01-13E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 40%
PERIMETERS:	3

NOTES:	
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# Cromwell Mk.IV

## Printing guide

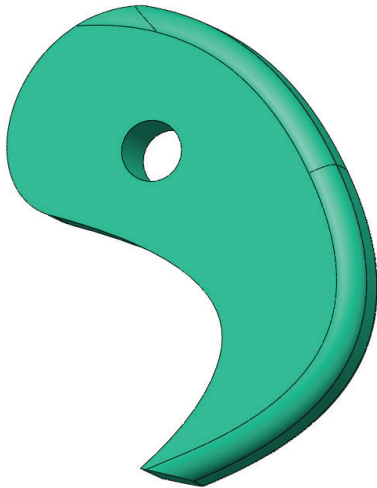


<b>PART Nr.:</b>	<b>01-14A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	50 - 80%
PERIMETERS:	3

<b>NOTES:</b>	Apply the support to areas marked in green.
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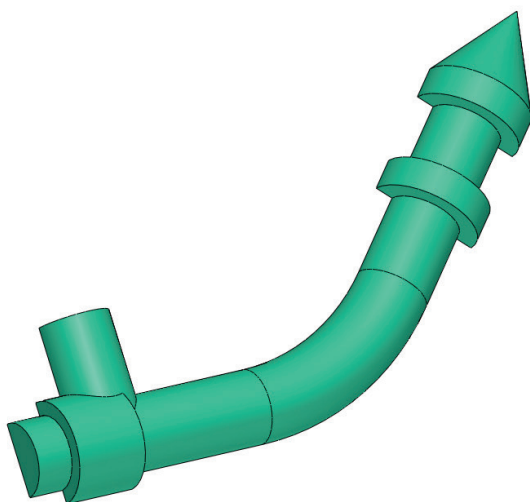
<b>PART Nr.:</b>	<b>01-14B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	50 - 80%
PERIMETERS:	3

<b>NOTES:</b>	
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<b>PART Nr.:</b>	<b>01-14C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,2mm
INFILL:	50 - 80%
PERIMETERS:	3

NOTES:	
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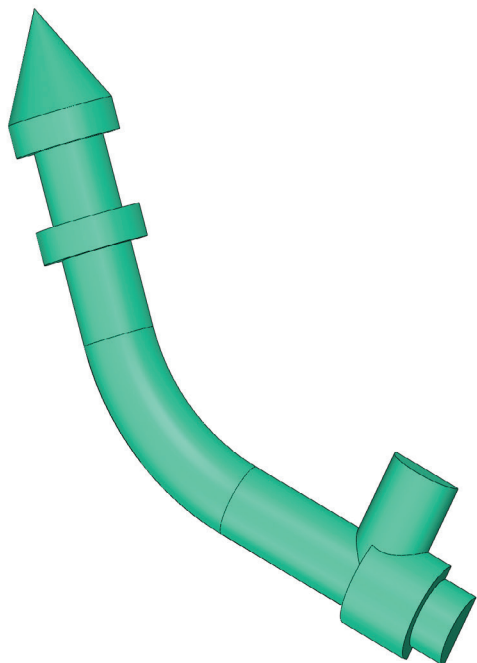
<b>PART Nr.:</b>	<b>01-14D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	15 - 25%
PERIMETERS:	2 - 3

NOTES:	You can use part 01-14DE for printing with the resin printers.
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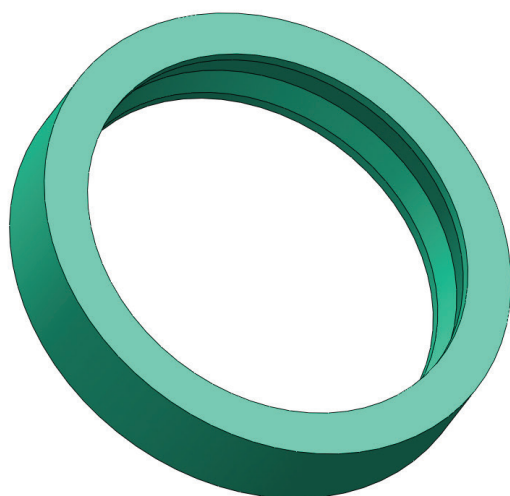
## Cromwell Mk.IV

### Printing guide



<b>PART Nr.:</b>	<b>01-14E</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	15 - 25%
PERIMETERS:	2 - 3

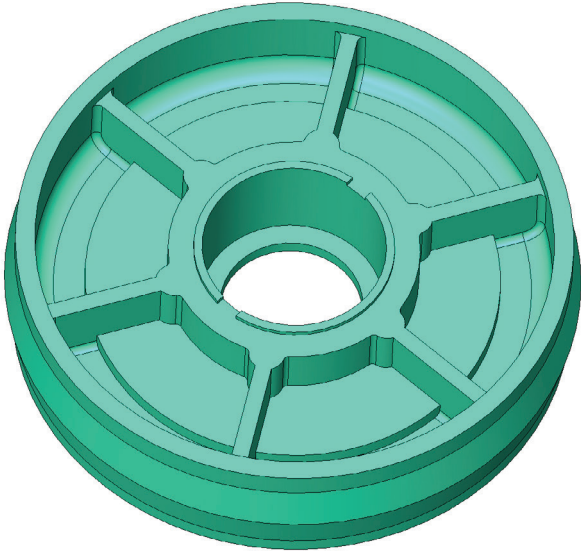
NOTES: You can use part 01-14DE for printing with the resin printers.



<b>PART Nr.:</b>	<b>01-15A</b>
AMOUNT:	4x
MATERIAL:	TPE, TPU
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,10 - 0,26mm
INFILL:	35 - 60%
PERIMETERS:	3 - 6

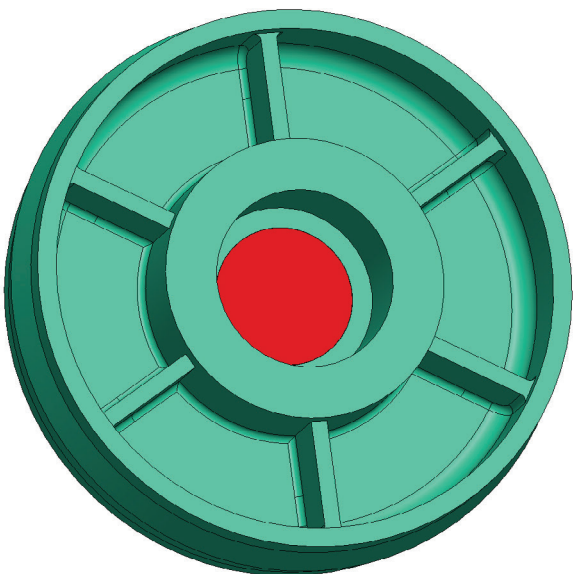
NOTES: Adjust the amount of infill and the number of perimeters to the hardness of your flexi material. The part should not be too soft.

If you do not want to print the rubber, use part 01-15AB.



<b>PART Nr.:</b>	<b>01-15B</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	50 - 80%
PERIMETERS:	3 - 4

**NOTES:** It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.

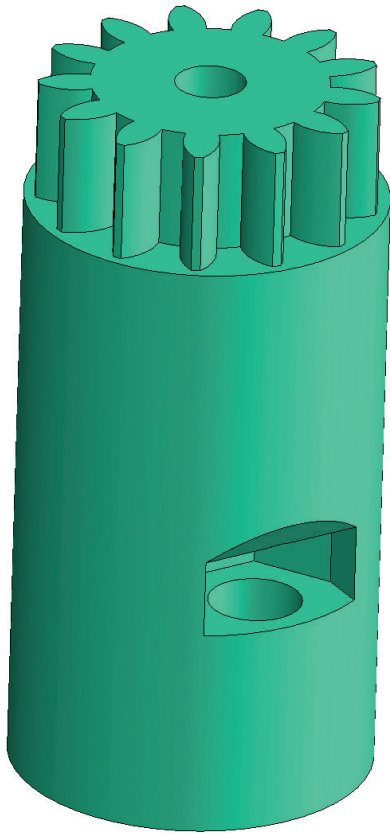


<b>PART Nr.:</b>	<b>01-15C</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	50 - 80%
PERIMETERS:	3 - 4

**NOTES:** Cut off the area marked in red. Alternatively, you can use a 17mm drill bit. It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.

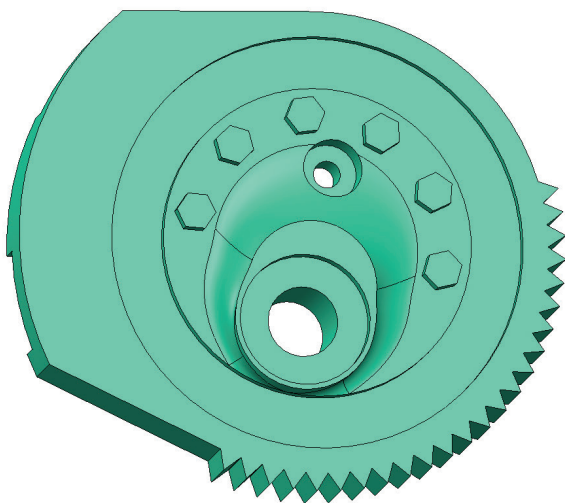
# Cromwell Mk.IV

## Printing guide



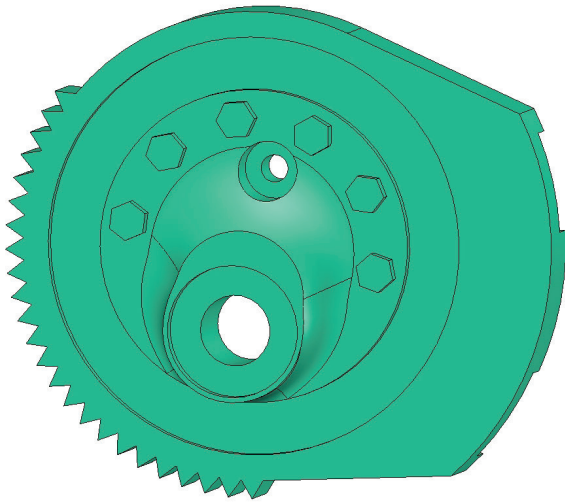
<b>PART Nr.:</b>	<b>01-16</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	50 - 80%
PERIMETERS:	4 - 6

**NOTES:** The part must be very strong.  
Drill the screw holes with a 3-3.5mm and 8-8.5mm drill bit.



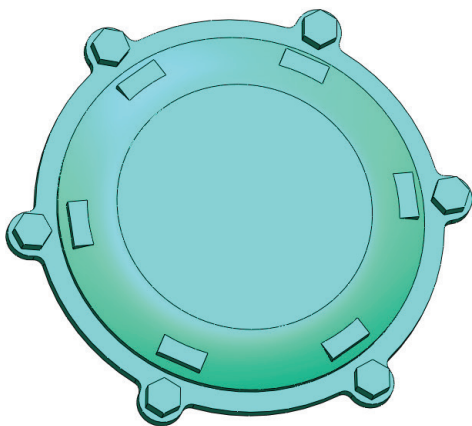
<b>PART Nr.:</b>	<b>01-17</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,30 - 0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	2 - 3

**NOTES:** Drill the screw holes with a 3-3.5mm and 8-8.5mm drill bit.



<b>PART Nr.:</b>	<b>01-18</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,30 - 0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	2 - 3

NOTES:	Drill the screw holes with a 3-3.5mm and 8-8.5mm drill bit.
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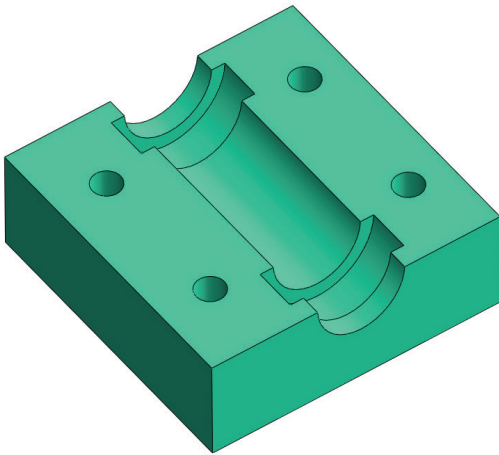


<b>PART Nr.:</b>	<b>01-19</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,2mm
INFILL:	15 - 25%
PERIMETERS:	2 - 3

NOTES:	
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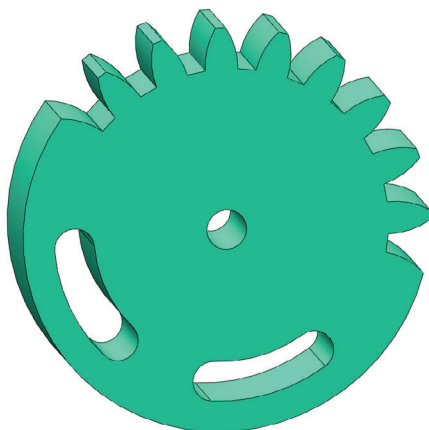
## Cromwell Mk.IV

### Printing guide



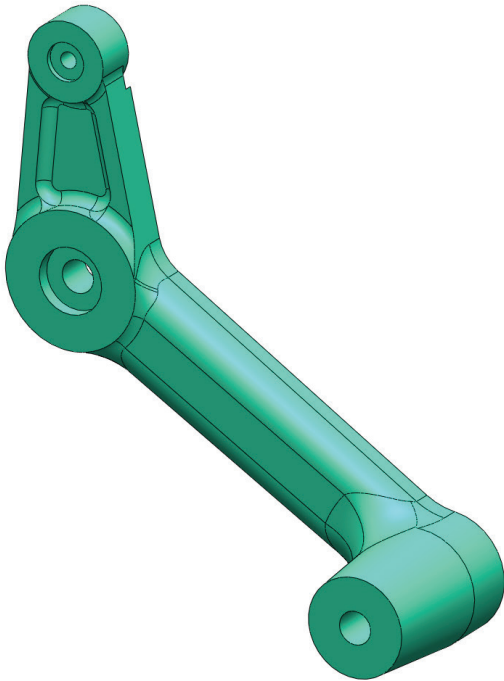
<b>PART Nr.:</b>	<b>01-20</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

NOTES: Drill the screw holes with a 4-4.5mm drill bit.



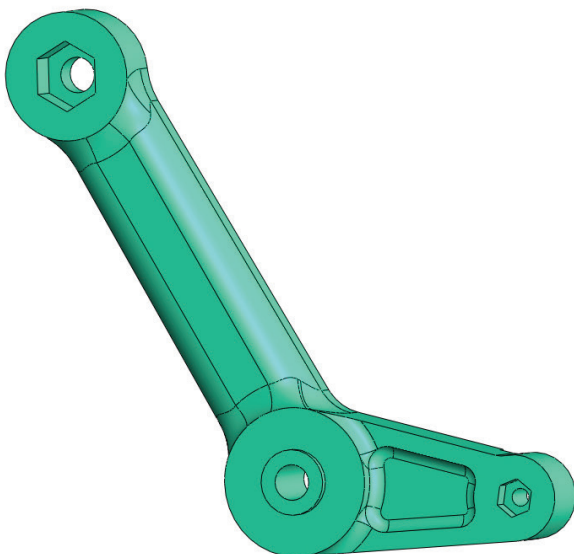
<b>PART Nr.:</b>	<b>01-21</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	40 - 50%
PERIMETERS:	3 - 4

NOTES:



<b>PART Nr.:</b>	<b>01-22A</b>
AMOUNT:	5x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	50 - 80%
PERIMETERS:	3 - 6

<b>NOTES:</b>	<p>Drill the screw holes with a 3-3.5mm and 6mm drill bit.</p> <p>It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.</p> <p>ABS is more suitable for this part because it is less flexible.</p>
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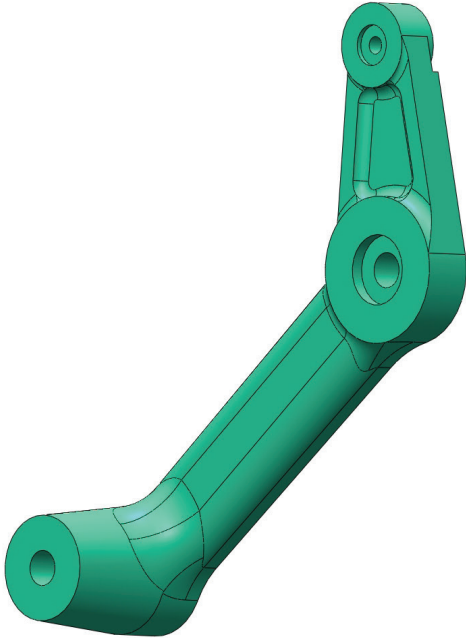


<b>PART Nr.:</b>	<b>01-22B</b>
AMOUNT:	5x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	50 - 80%
PERIMETERS:	3 - 6

<b>NOTES:</b>	<p>Drill the screw holes with a 3-3.5mm and 6mm drill bit.</p> <p>It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.</p> <p>ABS is more suitable for this part because it is less flexible.</p>
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# Cromwell Mk.IV

## Printing guide

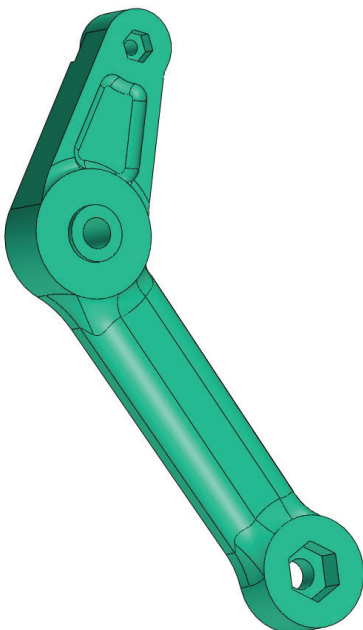


<b>PART Nr.:</b>	<b>01-23A</b>
AMOUNT:	5x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	50 - 80%
PERIMETERS:	3 - 6

**NOTES:** Drill the screw holes with a 3-3.5mm and 6mm drill bit.

It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.

ABS is more suitable for this part because it is less flexible.



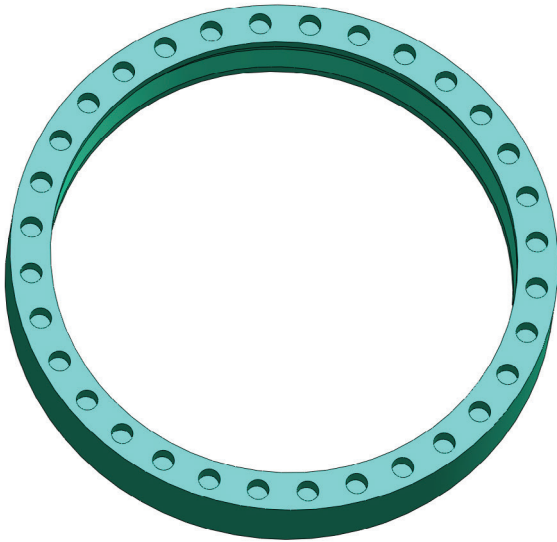
<b>PART Nr.:</b>	<b>01-23B</b>
AMOUNT:	5x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	50 - 80%
PERIMETERS:	3 - 6

**NOTES:** Drill the screw holes with a 3-3.5mm and 6mm drill bit.

It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.

ABS is more suitable for this part because it is less flexible.





<b>PART Nr.:</b>	<b>01-24A</b>
AMOUNT:	20x
MATERIAL:	TPE, TPU
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	35 - 60%
PERIMETERS:	3 - 6

<b>NOTES:</b>	<p>Adjust the amount of infill and the number of perimeters to the hardness of your flexi material. The part should not be too soft.</p> <p>If you do not want to print the rubber, use parts 01-24AB and 01-24AC.</p> <p>Parts 01-24AB_alt and 01-24AC_alt are also available, with rubber without holes (solid rubber).</p> <p>You can use the alternative part 01-24A_alt if you want to use a part without holes (full rubber).</p>
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<b>PART Nr.:</b>	<b>01-24B</b>
AMOUNT:	10x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	40 - 70%
PERIMETERS:	3 - 4

<b>NOTES:</b>	<p>It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.</p>
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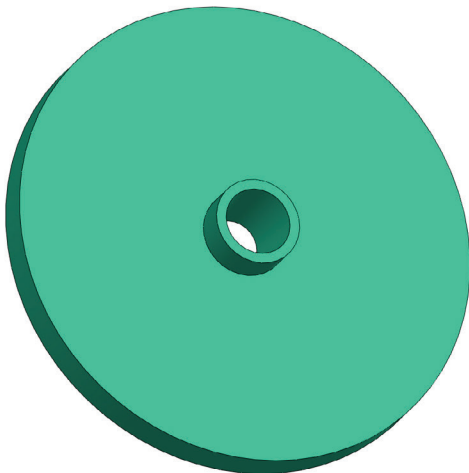
# Cromwell Mk.IV

## Printing guide



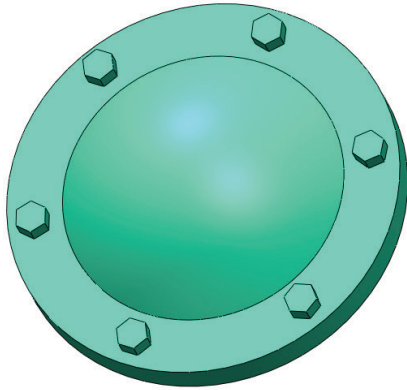
<b>PART Nr.:</b>	<b>01-24C</b>
AMOUNT:	10x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	40 - 70%
PERIMETERS:	3 - 4

NOTES:	<p>Cut off the area marked in red. Alternatively, you can use a 14mm drill bit.</p> <p>It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.</p>
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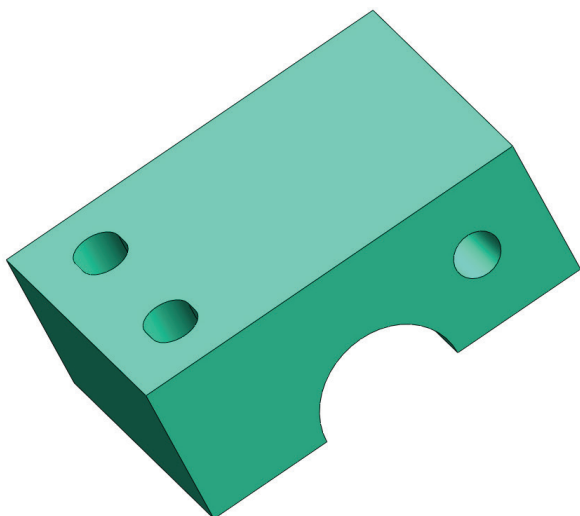
<b>PART Nr.:</b>	<b>01-24D</b>
AMOUNT:	10x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 70%
PERIMETERS:	3 - 4

NOTES:	<p><b>If you do not print "rubber" parts 01-24A and you print 01-24AB and 01-24AC instead, you must use part 01-24D_alt !!!</b></p> <p>It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.</p>
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<b>PART Nr.:</b>	<b>01-25</b>
AMOUNT:	10x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,2mm
INFILL:	15 - 25%
PERIMETERS:	2 - 3

NOTES:	
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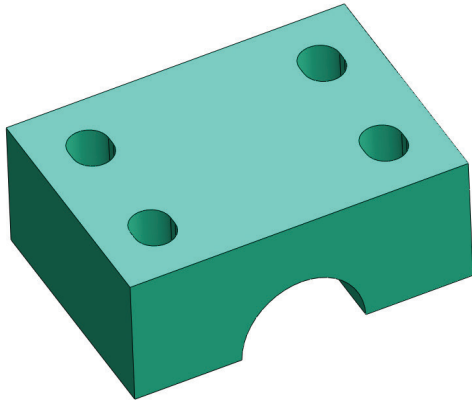


<b>PART Nr.:</b>	<b>01-26</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
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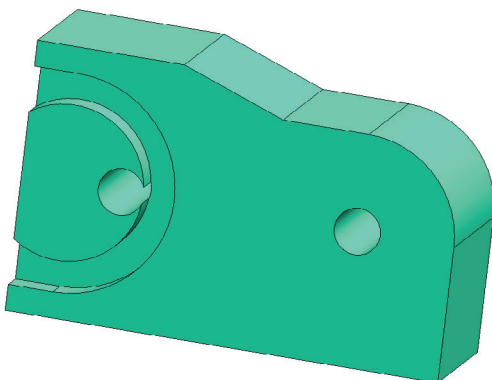
## Cromwell Mk.IV

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<b>PART Nr.:</b>	<b>01-27</b>
AMOUNT:	8x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

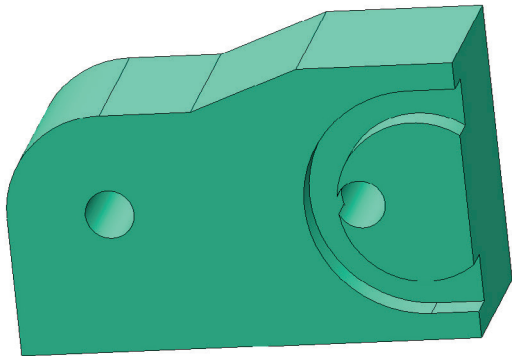
NOTES:



<b>PART Nr.:</b>	<b>01-28</b>
AMOUNT:	5x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	40 - 50%
PERIMETERS:	3 - 4

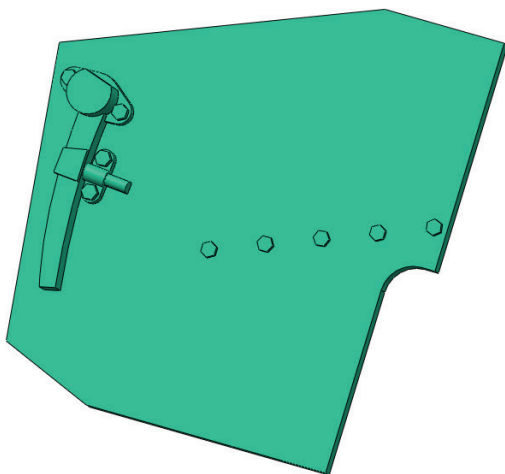
NOTES:

Drill the screw holes with a 4-4.5mm drill bit.



<b>PART Nr.:</b>	<b>01-29</b>
AMOUNT:	5x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	40 - 50%
PERIMETERS:	3 - 4

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
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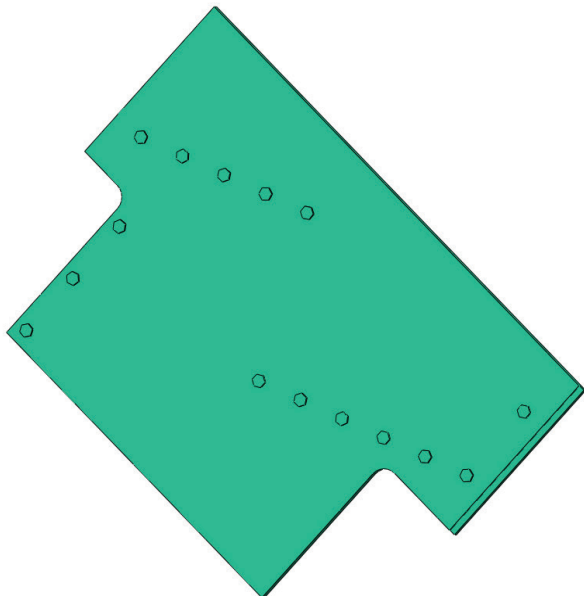


<b>PART Nr.:</b>	<b>01-30A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	If you have a big printer you can use part <b>01-30AB</b> instead of parts <b>01-30A</b> and <b>01-30B</b> .
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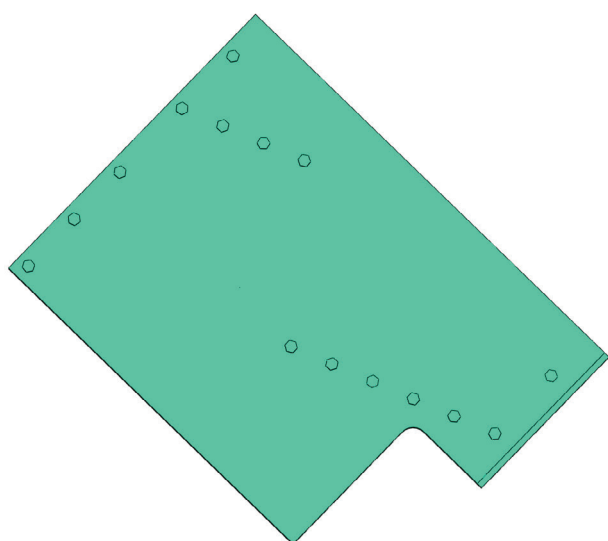
## Cromwell Mk.IV

### Printing guide



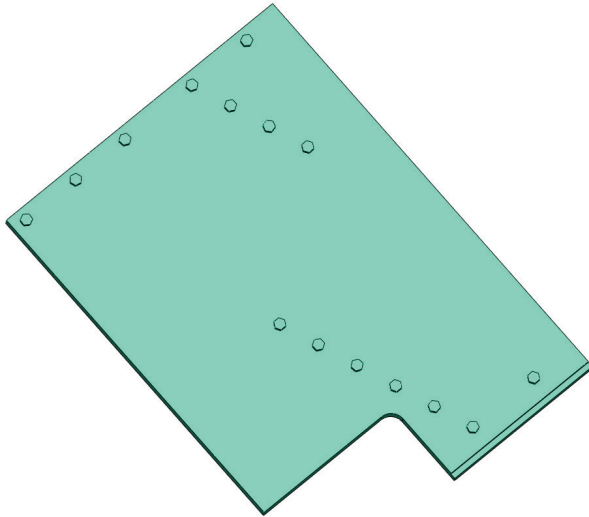
<b>PART Nr.:</b>	<b>01-30B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-30AB** instead of parts **01-30A** and **01-30B**.



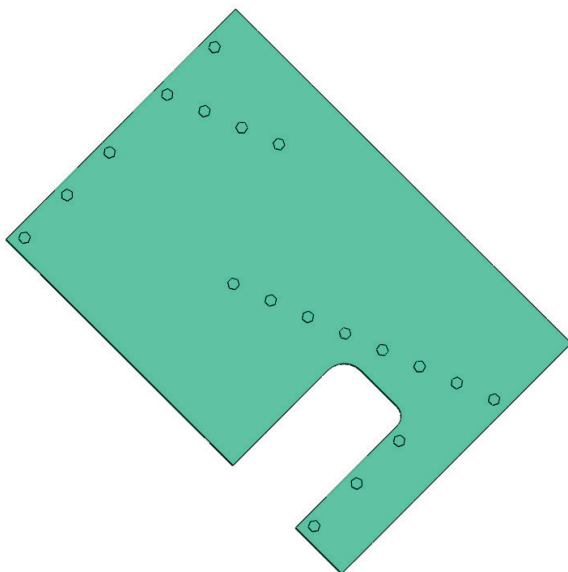
<b>PART Nr.:</b>	<b>01-30C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-30CD** instead of parts **01-30C** and **01-30D**.



<b>PART Nr.:</b>	<b>01-30D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	If you have a big printer you can use part <b>01-30CD</b> instead of parts <b>01-30C</b> and <b>01-30D</b> .
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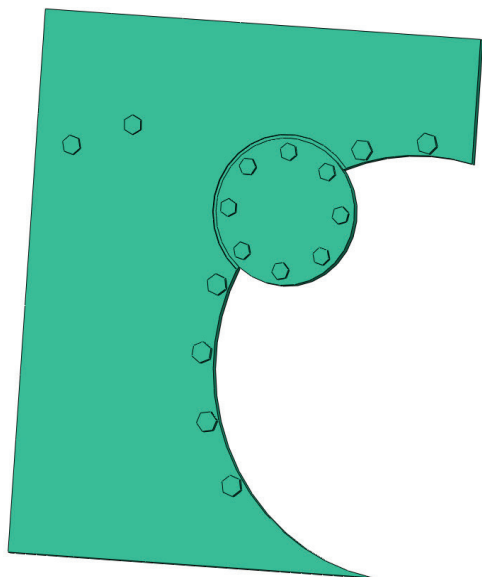
<b>PART Nr.:</b>	<b>01-30E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	If you have a big printer you can use part <b>01-30EF</b> instead of parts <b>01-30E</b> and <b>01-30F</b> .
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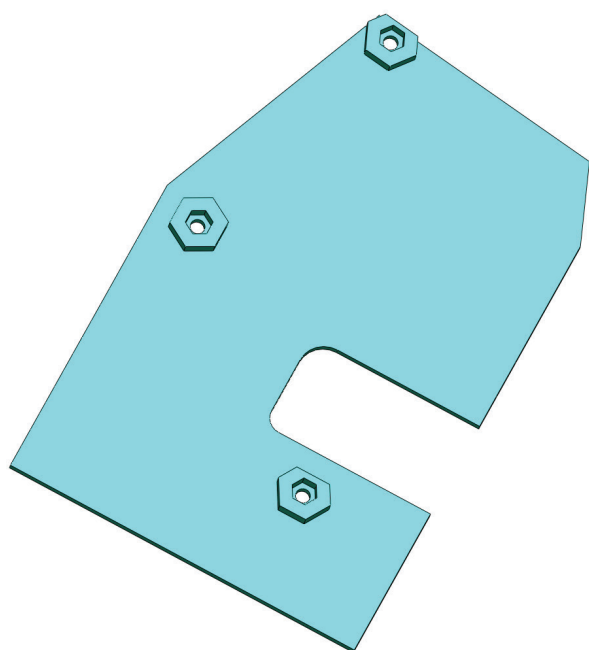
# Cromwell Mk.IV

## Printing guide



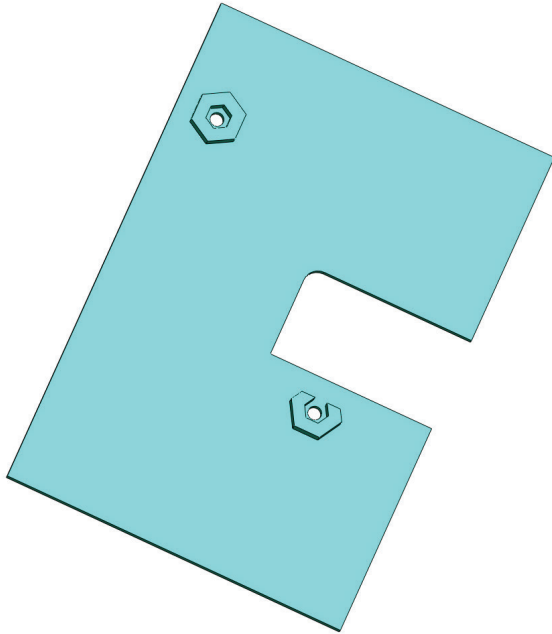
<b>PART Nr.:</b>	<b>01-30F</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-30EF** instead of parts **01-30E** and **01-30F**.



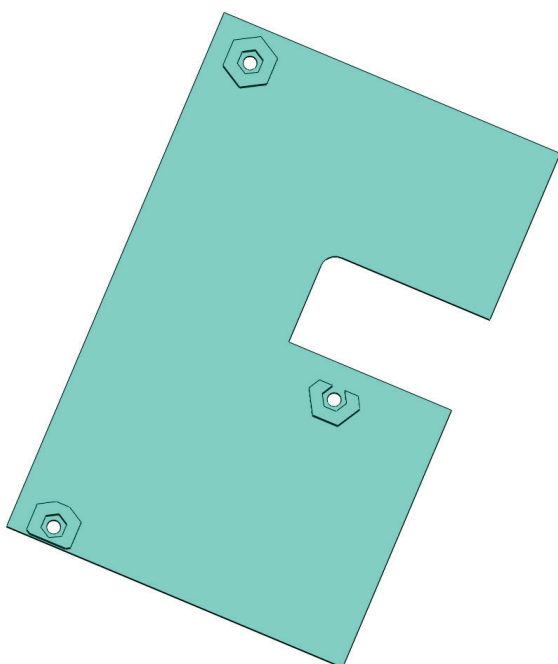
<b>PART Nr.:</b>	<b>01-30G</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-30GH** instead of parts **01-30G** and **01-30H**.



<b>PART Nr.:</b>	<b>01-30H</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	If you have a big printer you can use part <b>01-30GH</b> instead of parts <b>01-30G</b> and <b>01-30H</b> .
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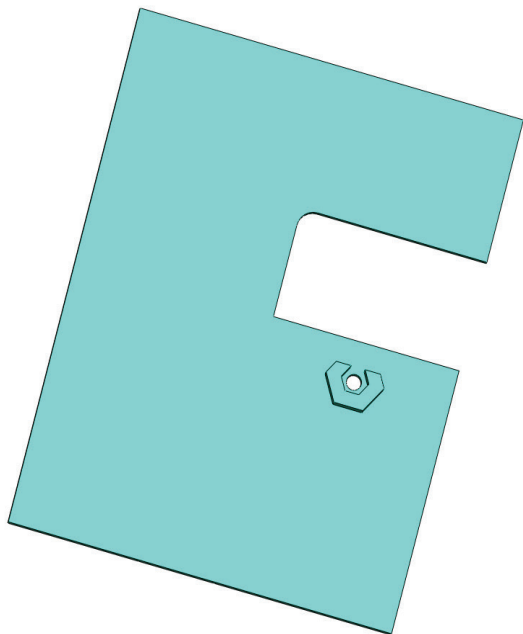


<b>PART Nr.:</b>	<b>01-30I</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	If you have a big printer you can use part <b>01-30IJ</b> instead of parts <b>01-30I</b> and <b>01-30J</b> .
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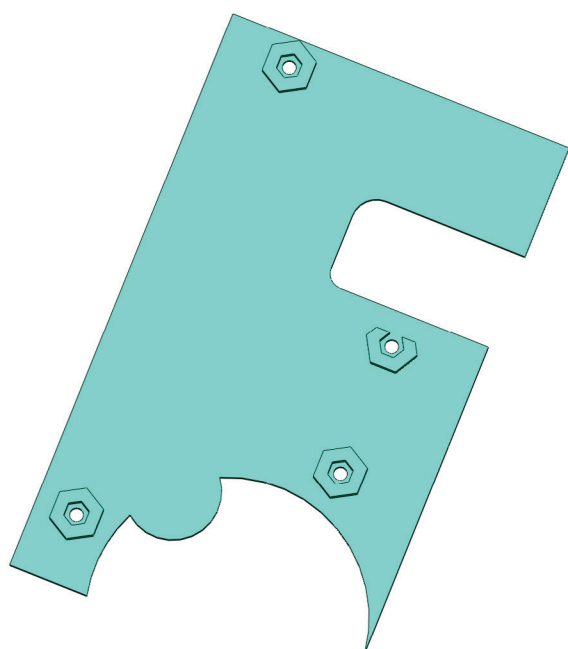
# Cromwell Mk.IV

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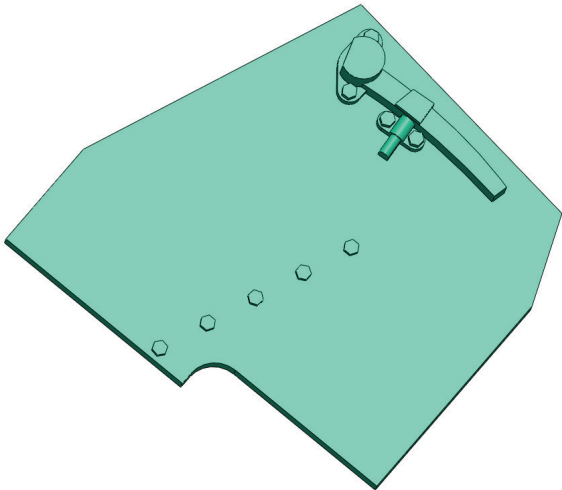
<b>PART Nr.:</b>	<b>01-30J</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-30IJ** instead of parts **01-30I** and **01-30J**.



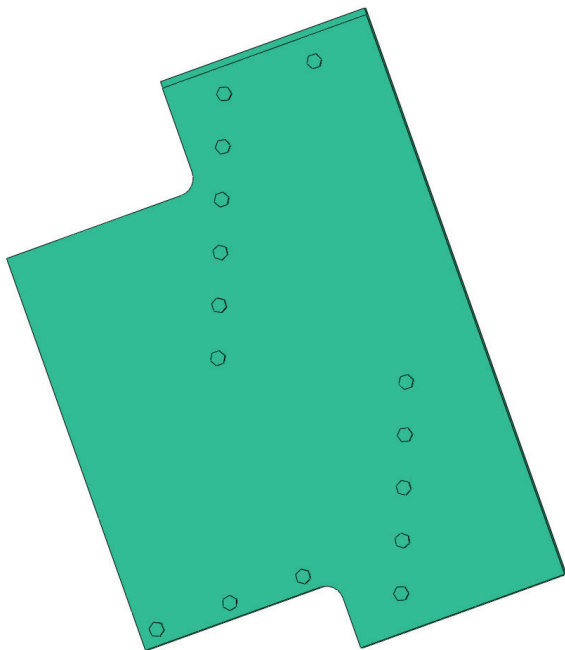
<b>PART Nr.:</b>	<b>01-30K</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:



<b>PART Nr.:</b>	<b>01-31A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31AB** instead of parts **01-31A** and **01-31B**.

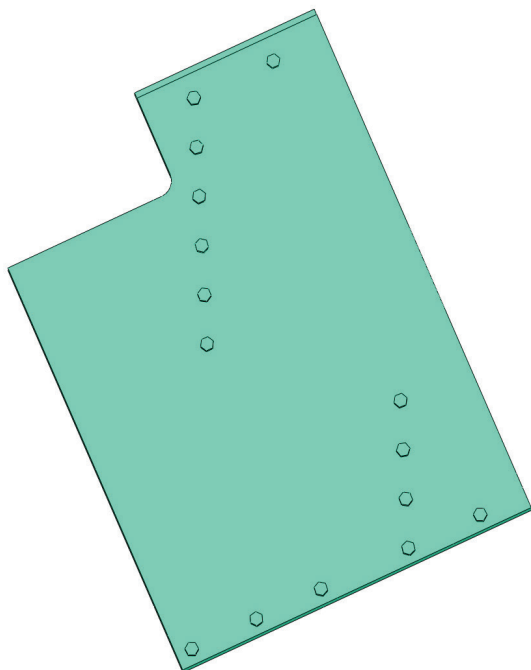


<b>PART Nr.:</b>	<b>01-31B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31AB** instead of parts **01-31A** and **01-31B**.

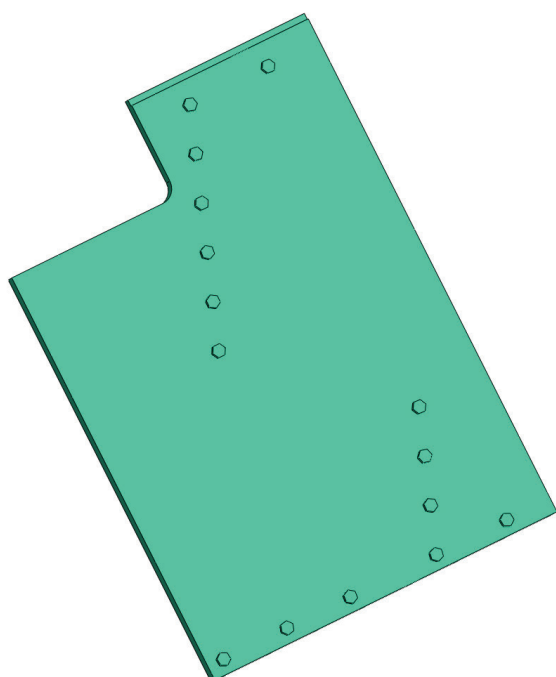
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## Printing guide



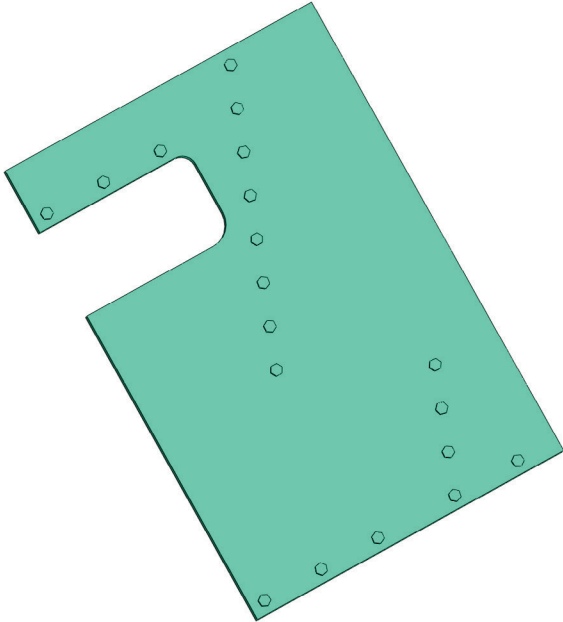
<b>PART Nr.:</b>	<b>01-31C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31CD** instead of parts **01-31C** and **01-31D**.



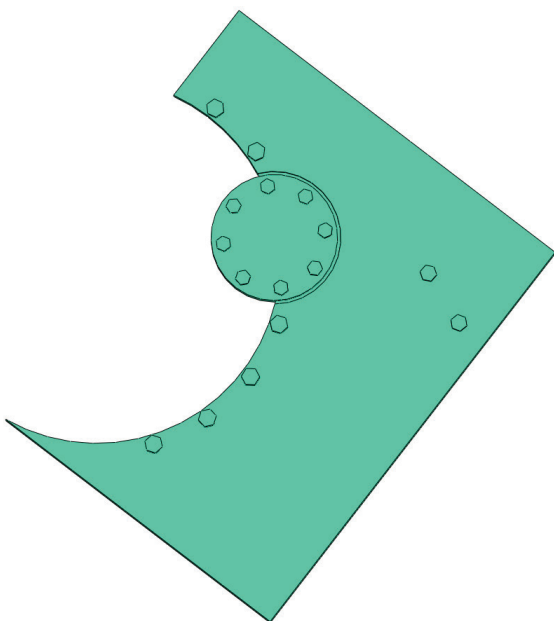
<b>PART Nr.:</b>	<b>01-31D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31CD** instead of parts **01-31C** and **01-31D**.



<b>PART Nr.:</b>	<b>01-31E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31EF** instead of parts **01-31E** and **01-31F**.

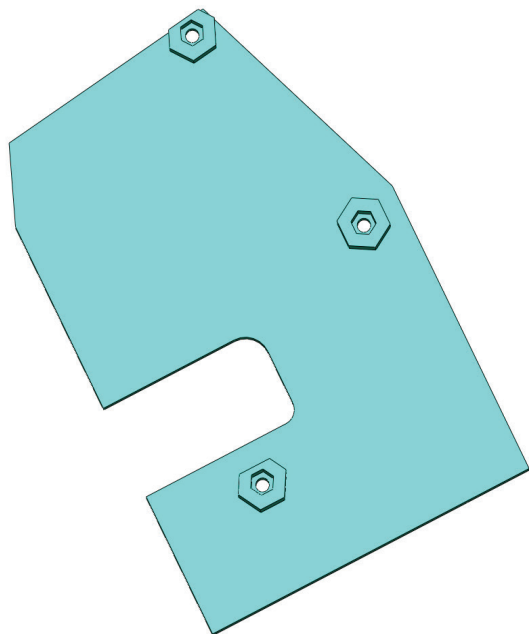


<b>PART Nr.:</b>	<b>01-31F</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31EF** instead of parts **01-31E** and **01-31F**.

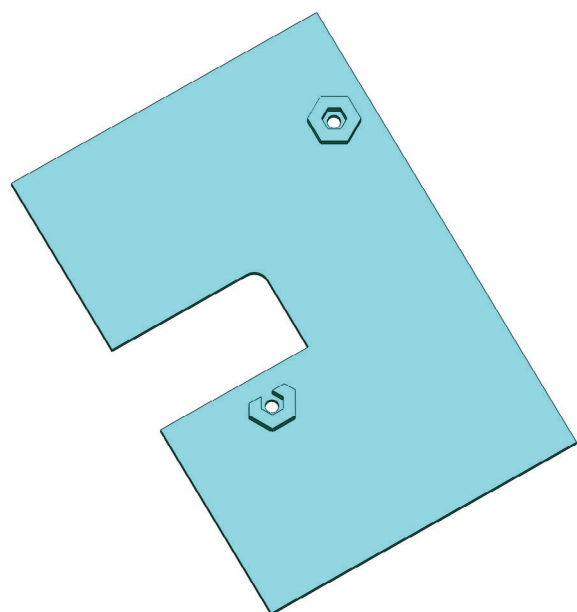
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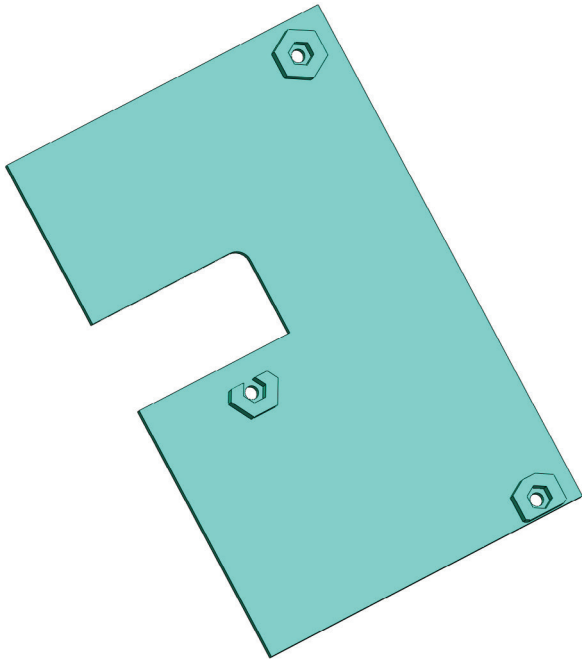
<b>PART Nr.:</b>	<b>01-31G</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31GH** instead of parts **01-31G** and **01-31H**.



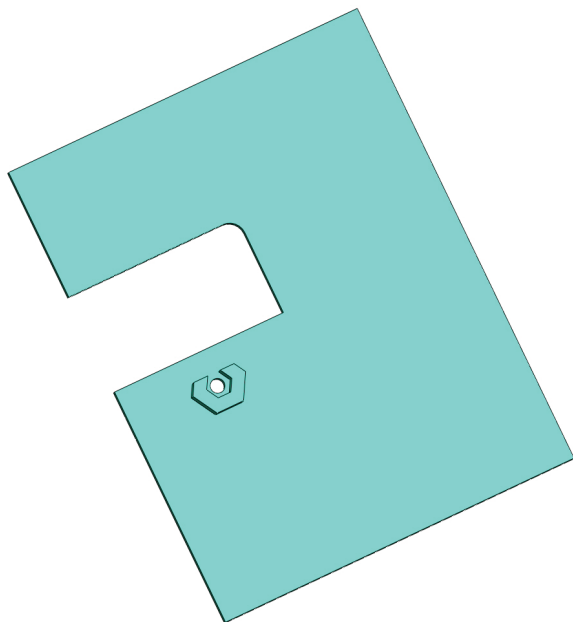
<b>PART Nr.:</b>	<b>01-31H</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **01-31GH** instead of parts **01-31G** and **01-31H**.



<b>PART Nr.:</b>	<b>01-31I</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	If you have a big printer you can use part <b>01-31IJ</b> instead of parts <b>01-31I</b> and <b>01-31J</b> .
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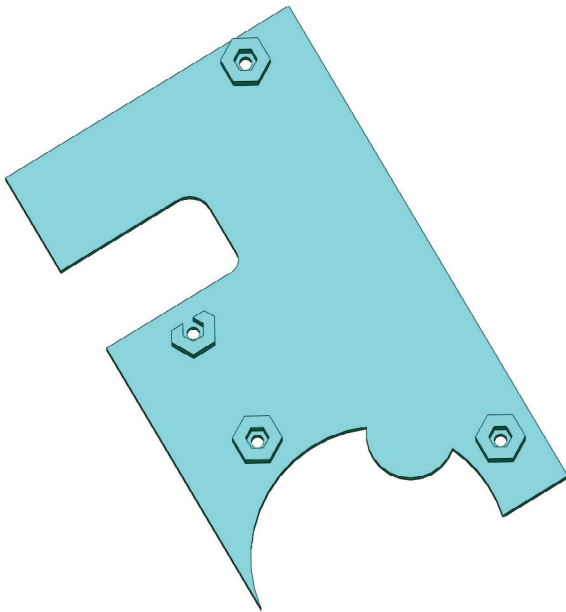
<b>PART Nr.:</b>	<b>01-31J</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	If you have a big printer you can use part <b>01-31IJ</b> instead of parts <b>01-31I</b> and <b>01-31J</b> .
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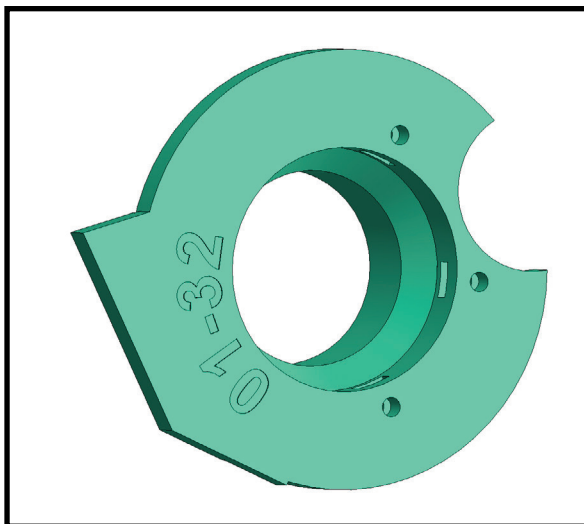
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>01-31K</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

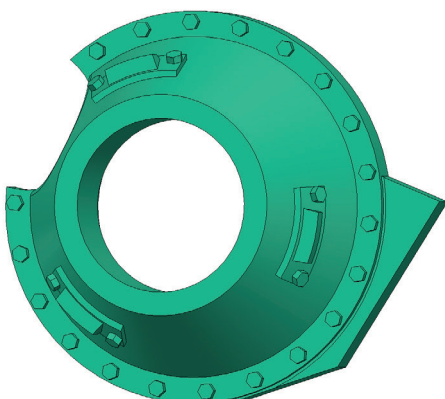
NOTES:

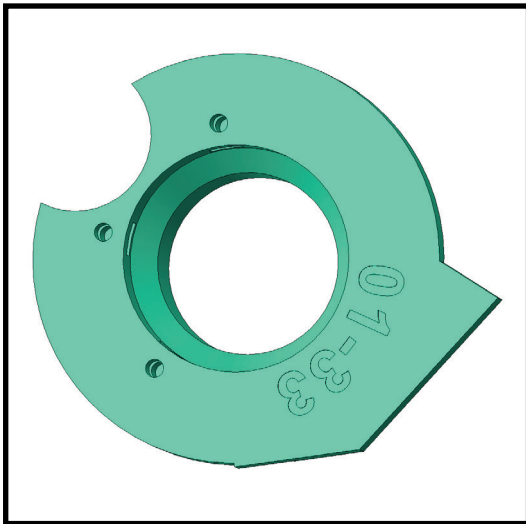
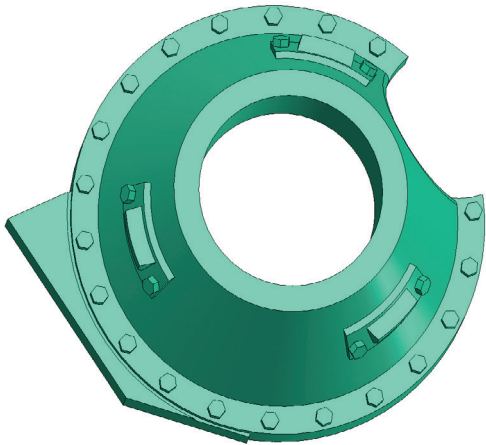


<b>PART Nr.:</b>	<b>01-32</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:

Drill the screw holes with a 4-4.5mm drill bit.



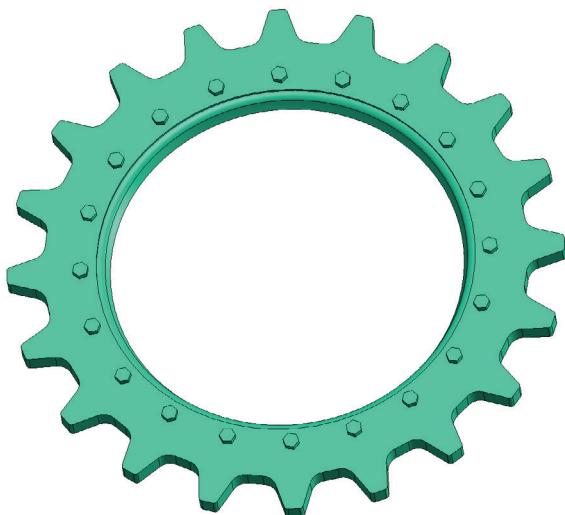


<b>PART Nr.:</b>	<b>01-33</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
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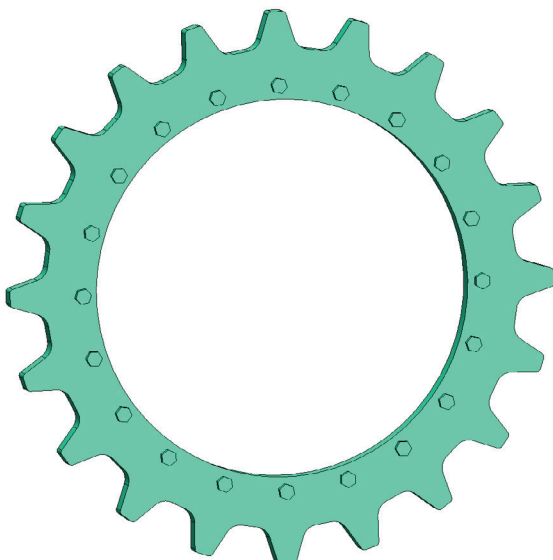
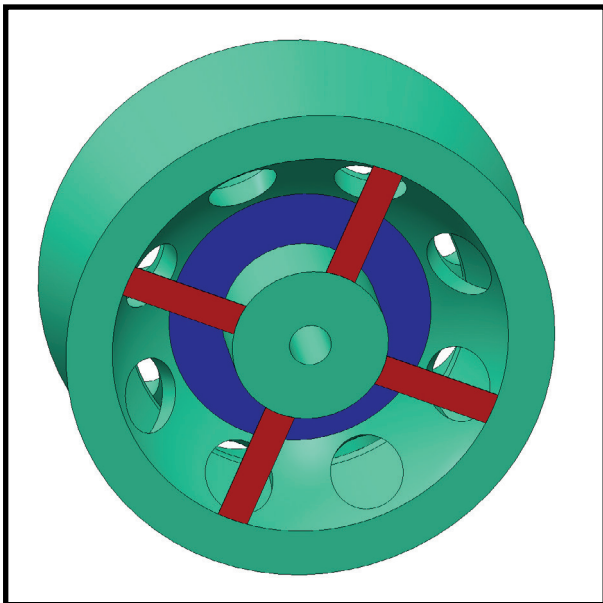
<b>PART Nr.:</b>	<b>01-34A</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	FULL LAYERS ONLY (100%)
PERIMETERS:	4 - 6

NOTES:	<p>It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.</p> <p>ABS is more suitable for this part because it is less flexible.</p>
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# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>01-34B</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	50 - 80%
PERIMETERS:	3 - 4

**NOTES:**

Cut off the auxiliary areas marked in red.

Apply the support to areas marked in blue.

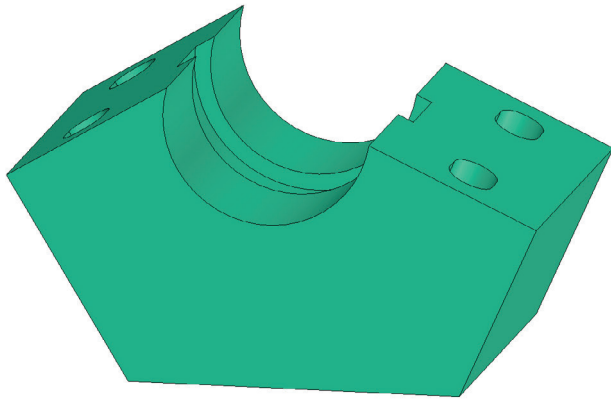
It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.

<b>PART Nr.:</b>	<b>01-34C</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	FULL LAYERS ONLY (100%)
PERIMETERS:	4 - 6

**NOTES:**

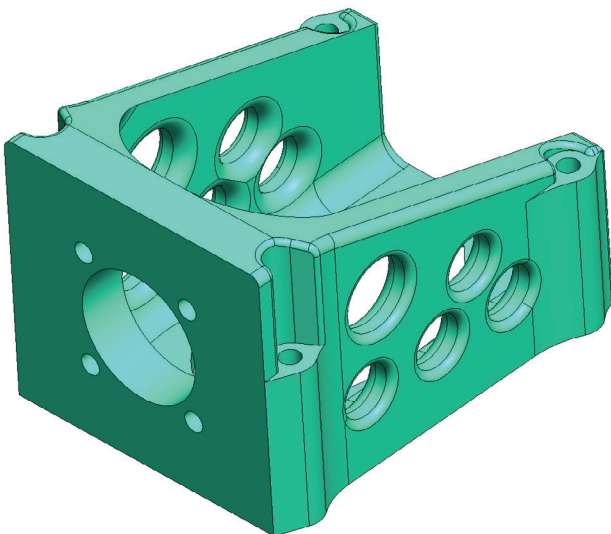
It is recommended to print the part from ASA or ABS for the possibility of very strong bonding using acetone.

ABS is more suitable for this part because it is less flexible.



<b>PART Nr.:</b>	<b>01-35</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	35 - 50%
PERIMETERS:	3

NOTES:	
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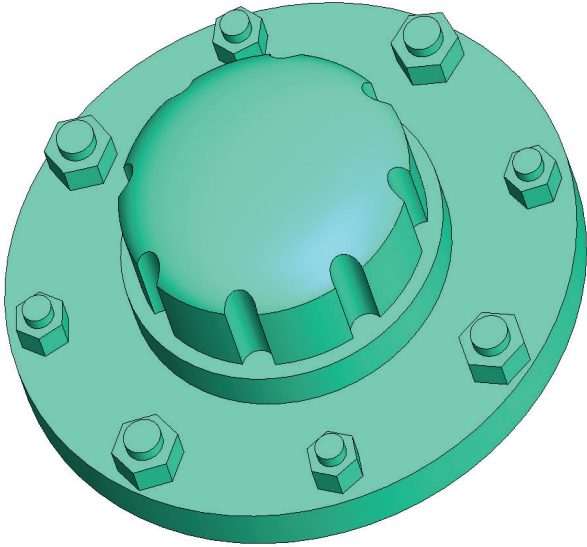


<b>PART Nr.:</b>	<b>01-36</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	35 - 50%
PERIMETERS:	3 - 4

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
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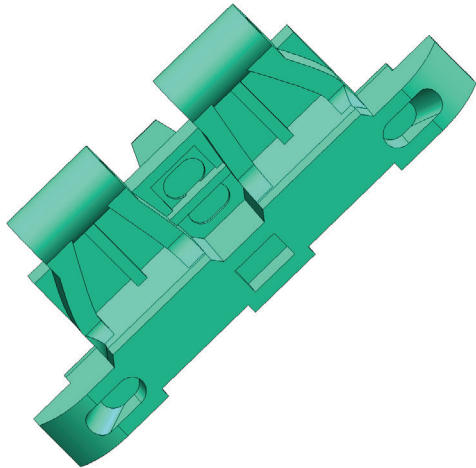
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>01-37</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,2mm
INFILL:	15 - 25%
PERIMETERS:	2 - 3

NOTES:



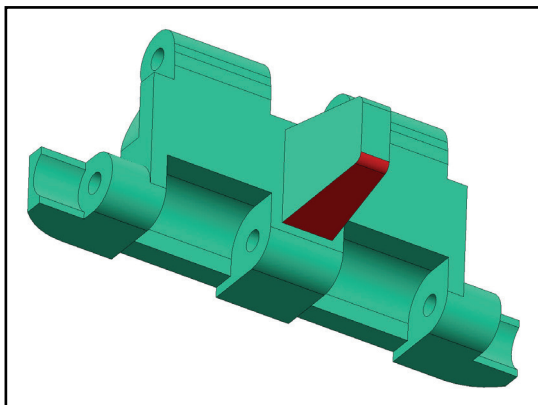
<b>PART Nr.:</b>	<b>01-38</b>
AMOUNT:	240x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	80 - 90%
PERIMETERS:	4 - 6

NOTES:

Apply the support to areas marked in red.

Drill 3 holes with a 2mm drill bit (wider end) and 2 holes with a 2,4mm drill bit (narrower end).

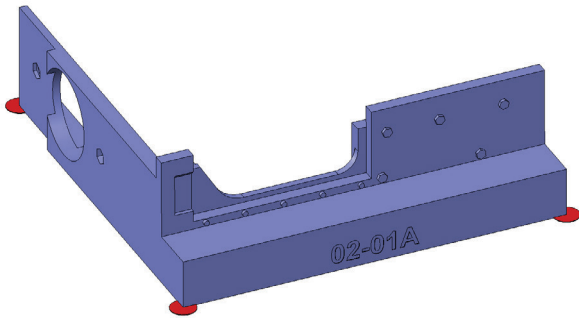
The 2mm pin must hold firmly in the wider part and rotate freely in the narrower part.





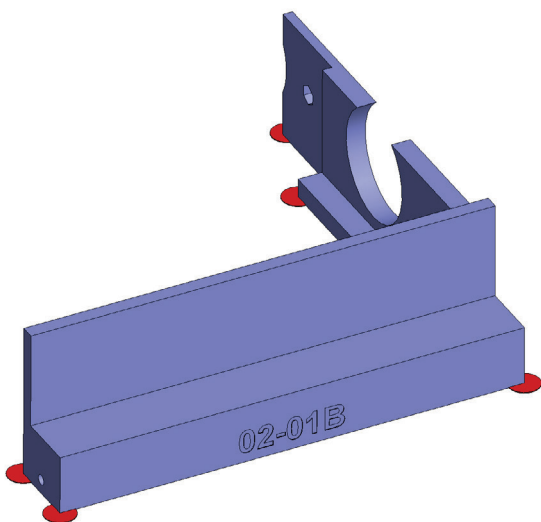
# Cromwell Mk.IV

## Printing guide



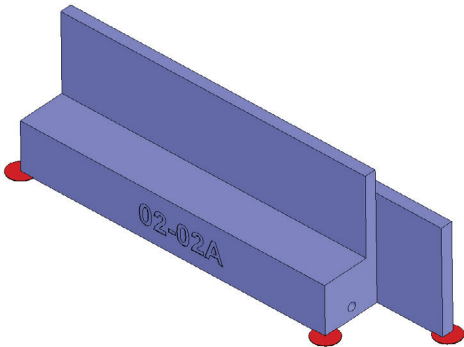
<b>PART Nr.:</b>	<b>02-01A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-01A_NO_BASE</b> .
	If you have a big printer you can use part <b>02-01AB</b> instead of parts <b>02-01A</b> and <b>02-01B</b> .



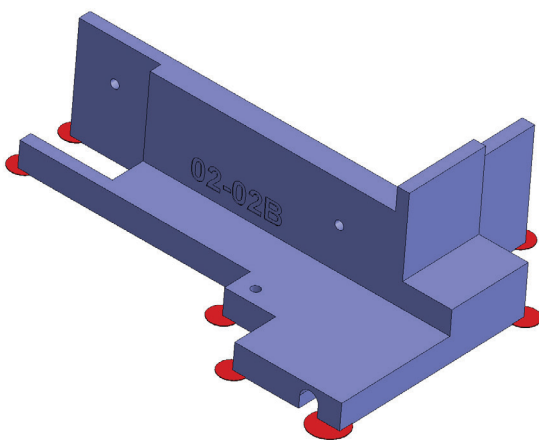
<b>PART Nr.:</b>	<b>02-01B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-01B_NO_BASE</b> .
	If you have a big printer you can use part <b>02-01AB</b> instead of parts <b>02-01A</b> and <b>02-01B</b> .



<b>PART Nr.:</b>	<b>02-02A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-02A_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>02-02AB</b> or <b>02-02ABCD</b> instead of parts <b>02-02A</b> and <b>02-02B</b>.</p>
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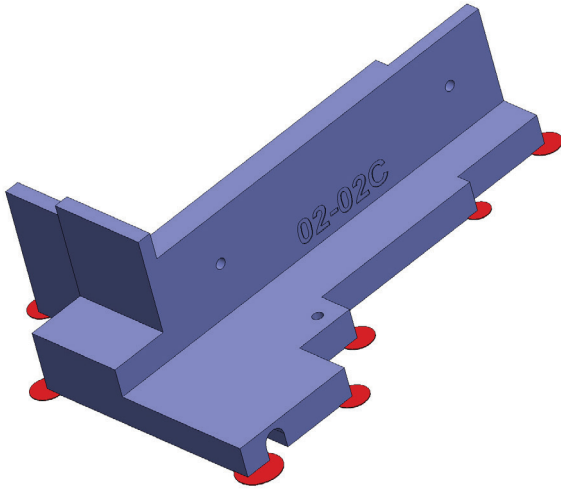
<b>PART Nr.:</b>	<b>02-02B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>Drill the screw holes with a 4-4.5mm drill bit.</p> <p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-02B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>02-02AB</b> or <b>02-02ABCD</b> instead of parts <b>02-02A</b> and <b>02-02B</b>.</p>
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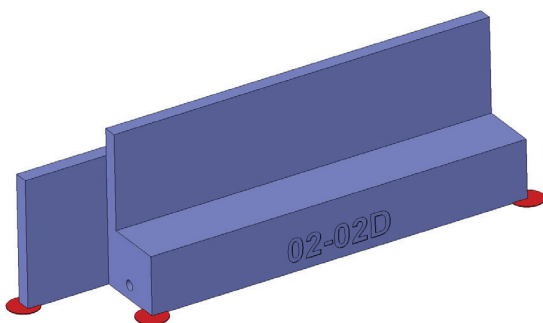
# Cromwell Mk.IV

## Printing guide



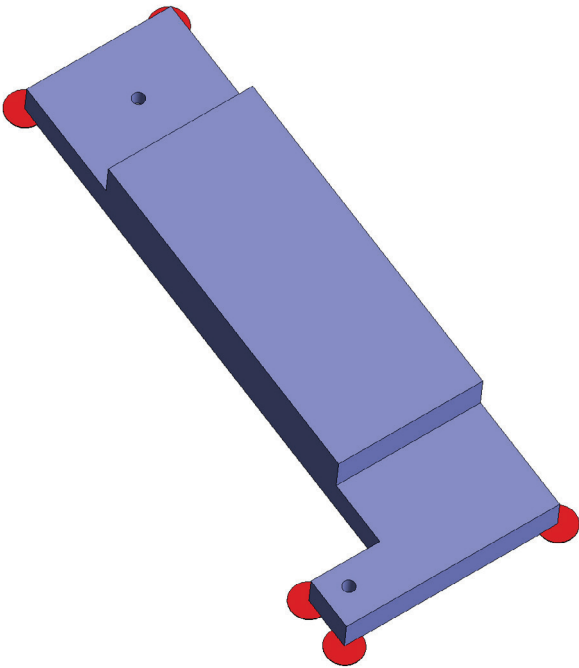
<b>PART Nr.:</b>	<b>02-02C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-02C_NO_BASE</b> .
	If you have a big printer you can use part <b>02-02CD</b> or <b>02-02ABCD</b> instead of parts <b>02-02C</b> and <b>02-02D</b> .



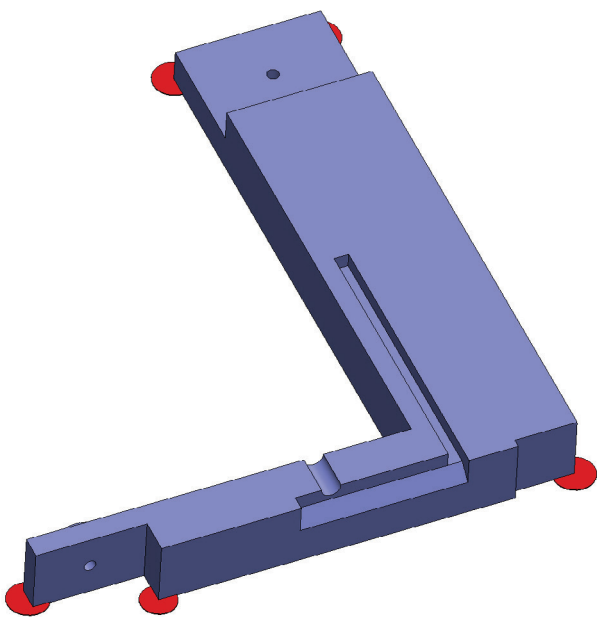
<b>PART Nr.:</b>	<b>02-02D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-02D_NO_BASE</b> .
	If you have a big printer you can use part <b>02-02CD</b> or <b>02-02ABCD</b> instead of parts <b>02-02C</b> and <b>02-02D</b> .



<b>PART Nr.:</b>	<b>02-03A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	<p>Drill the screw holes with a 4-4.5mm drill bit.</p> <p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-03A_NO_BASE</b>.</p>
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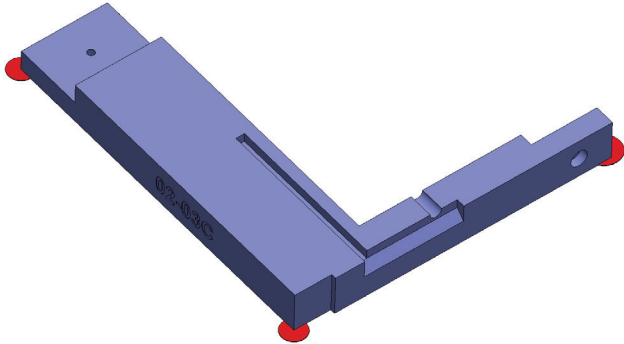


<b>PART Nr.:</b>	<b>02-03B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	<p>Drill the screw holes with a 4-4.5mm drill bit.</p> <p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-03B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>02-03BC</b> instead of parts <b>02-03B</b> and <b>02-03C</b>.</p>
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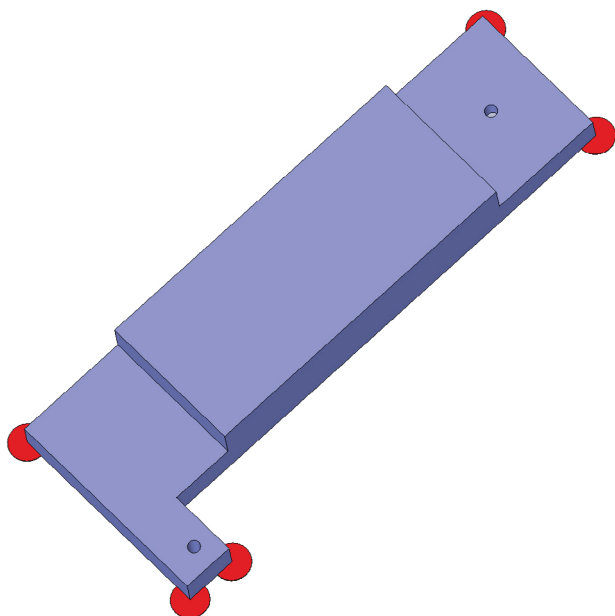
# Cromwell Mk.IV

## Printing guide



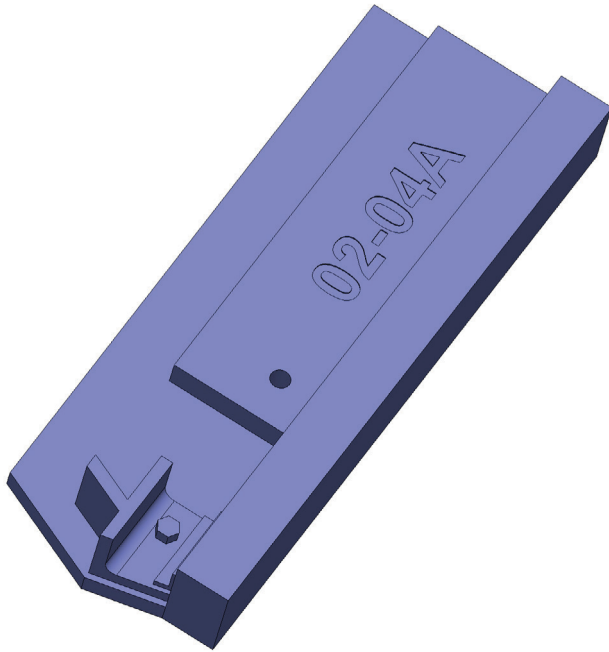
<b>PART Nr.:</b>	<b>02-03C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-03C_NO_BASE</b> .
	If you have a big printer you can use part <b>02-03BC</b> instead of parts <b>02-03B</b> and <b>02-03C</b> .



<b>PART Nr.:</b>	<b>02-03D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-03D_NO_BASE</b> .



<b>PART Nr.:</b>	<b>02-04A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	<p>Drill the screw holes with a 4-4.5mm drill bit.</p> <p>f you have a big printer you can use part <b>02-04AB</b> instead of parts <b>02-04A</b> and <b>02-04B</b>.</p>
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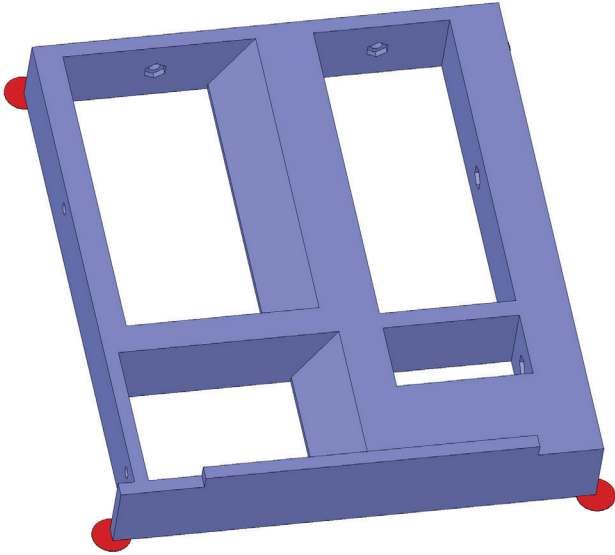


<b>PART Nr.:</b>	<b>02-04B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	<p>Drill the screw holes with a 4-4.5mm drill bit.</p> <p>f you have a big printer you can use part <b>02-04AB</b> instead of parts <b>02-04A</b> and <b>02-04B</b>.</p>
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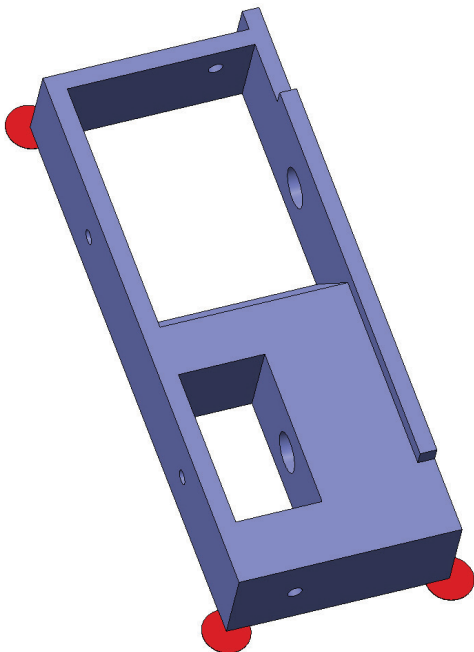
# Cromwell Mk.IV

## Printing guide



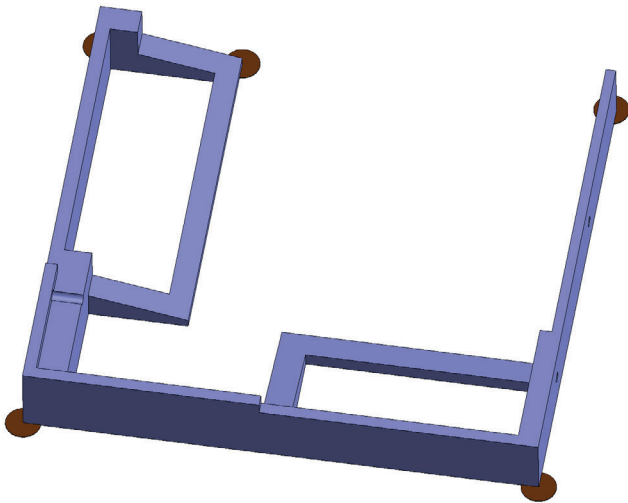
<b>PART Nr.:</b>	<b>02-05A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-05A_NO_BASE</b> .
	If you have a big printer you can use part <b>02-05AB</b> instead of parts <b>02-05A</b> and <b>02-05B</b> .



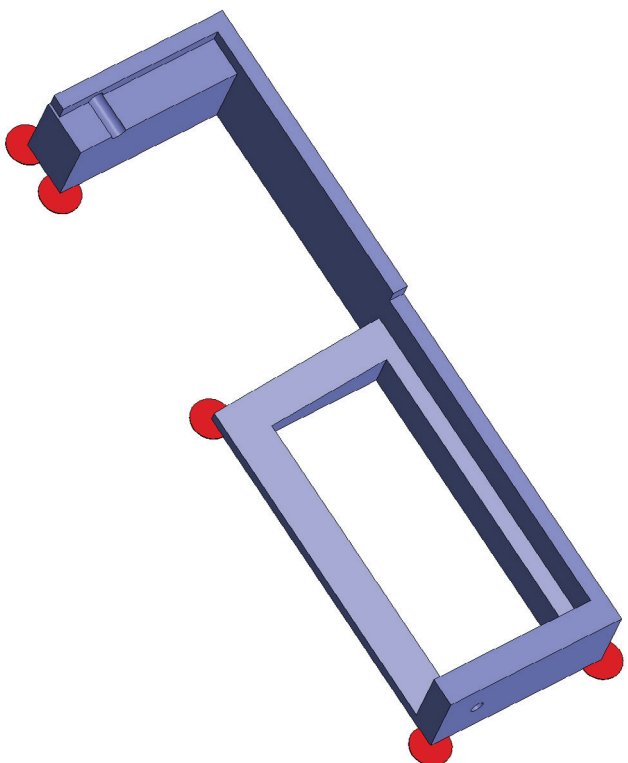
<b>PART Nr.:</b>	<b>02-05B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-05B_NO_BASE</b> .
	If you have a big printer you can use part <b>02-05AB</b> instead of parts <b>02-05A</b> and <b>02-05B</b> .



<b>PART Nr.:</b>	<b>02-05C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-05C_NO_BASE</b> .
	If you have a big printer you can use part <b>02-05CD</b> instead of parts <b>02-05C</b> and <b>02-05D</b> .

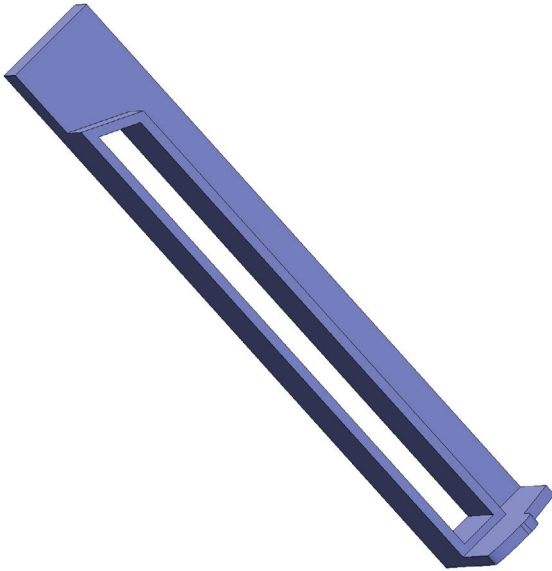


<b>PART Nr.:</b>	<b>02-05D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-05D_NO_BASE</b> .
	If you have a big printer you can use part <b>02-05CD</b> instead of parts <b>02-05C</b> and <b>02-05D</b> .

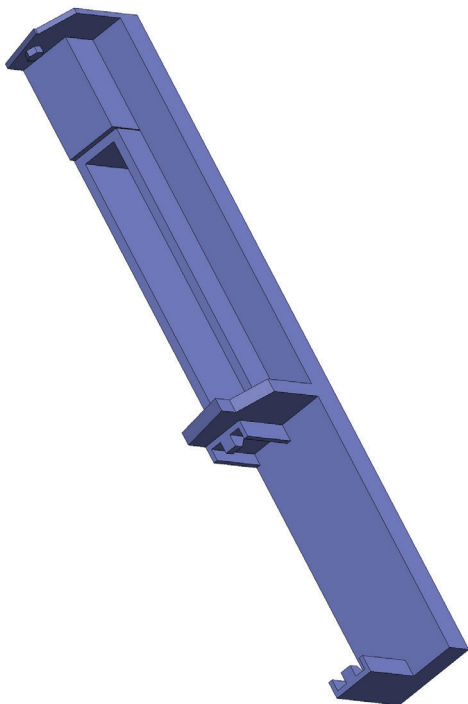
# Cromwell Mk.IV

## Printing guide



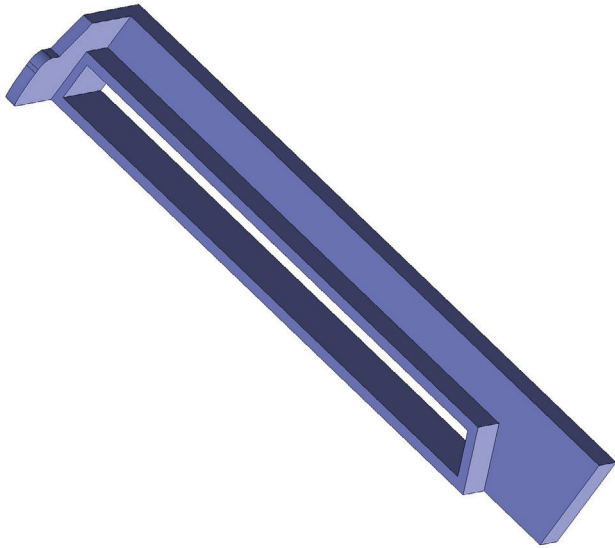
<b>PART Nr.:</b>	<b>02-06</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:



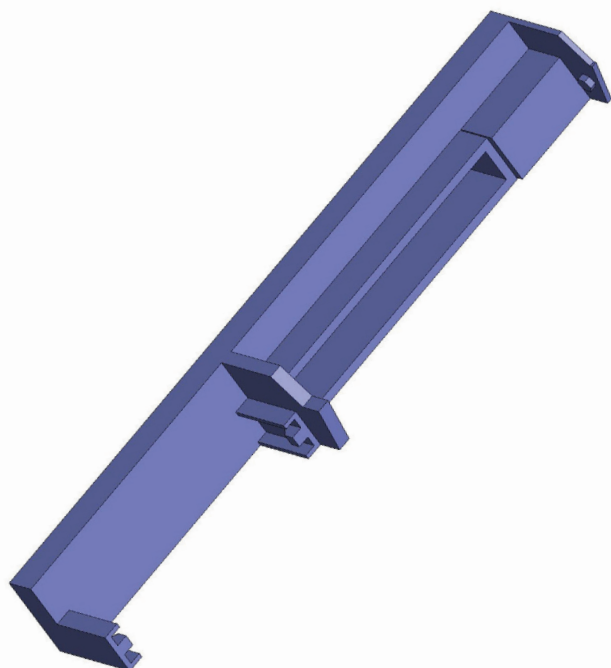
<b>PART Nr.:</b>	<b>02-07</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:



<b>PART Nr.:</b>	<b>02-08</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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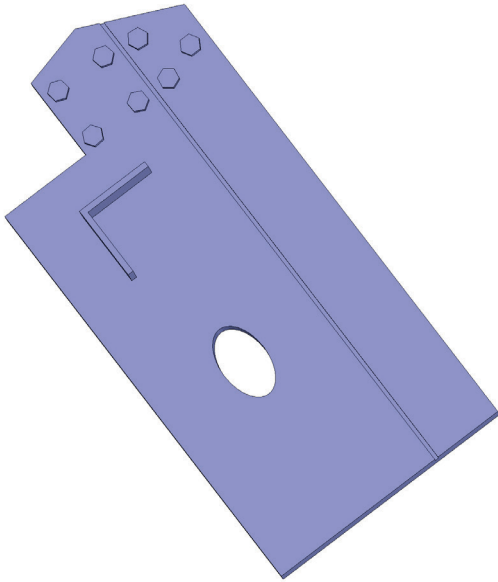
<b>PART Nr.:</b>	<b>02-09</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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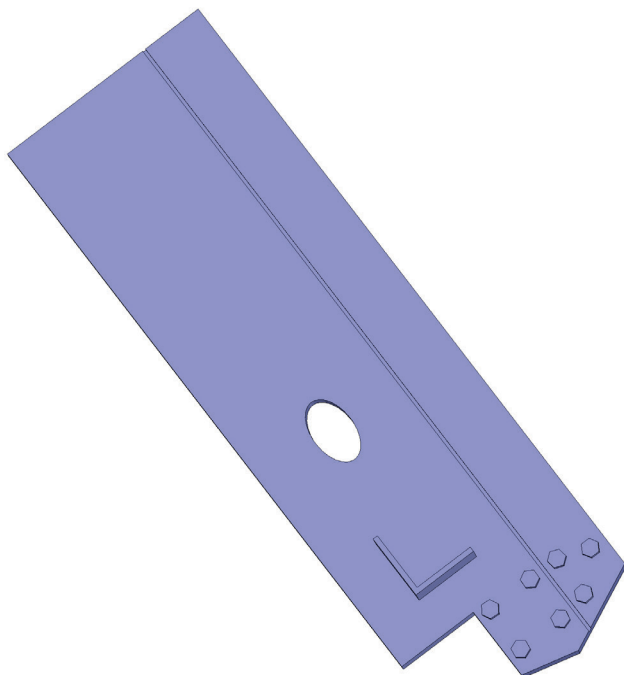
# Cromwell Mk.IV

## Printing guide



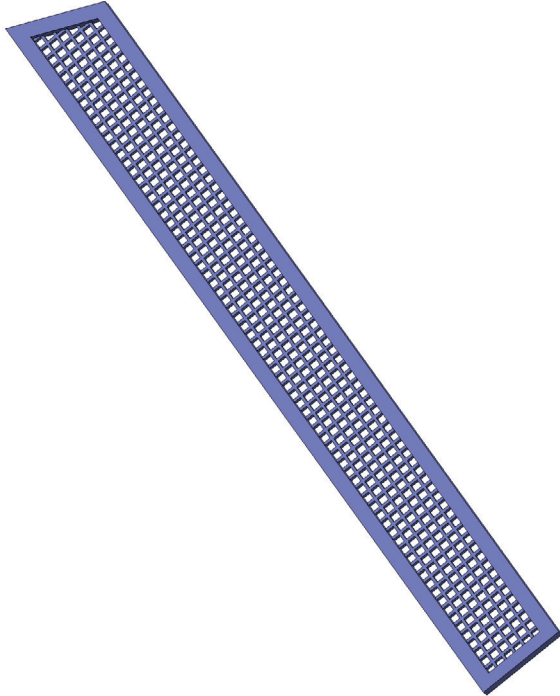
<b>PART Nr.:</b>	<b>02-10A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **02-10AB** instead of parts **02-10A** and **02-10B**.



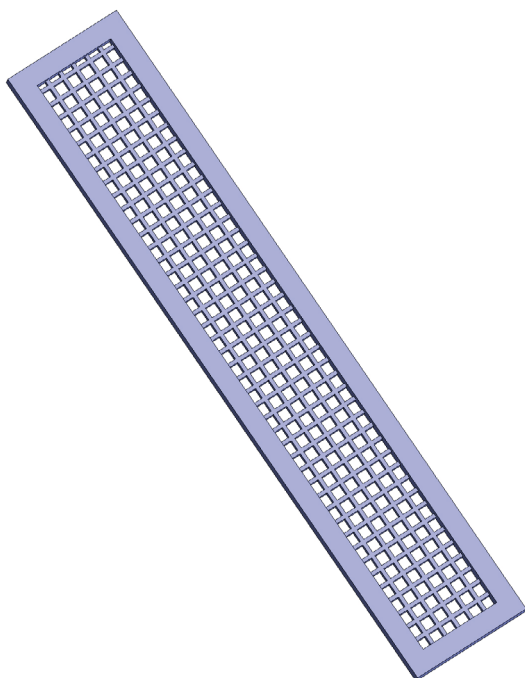
<b>PART Nr.:</b>	<b>02-10B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **02-10AB** instead of parts **02-10A** and **02-10B**.



<b>PART Nr.:</b>	<b>02-11</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:	<p>You can use the alternate part <b>02-11_ALT</b>. The part is designed for use with a metal grille.</p>
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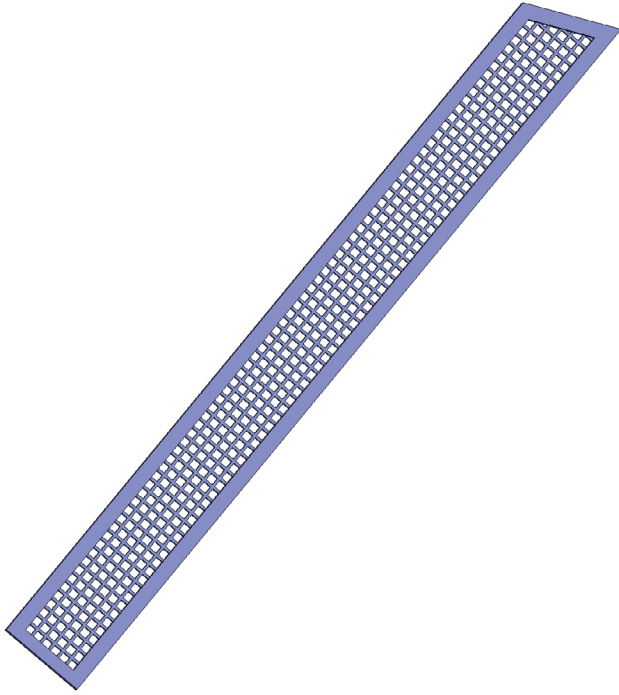


<b>PART Nr.:</b>	<b>02-12</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:	<p>You can use the alternate part <b>02-12_ALT</b>. The part is designed for use with a metal grille.</p>
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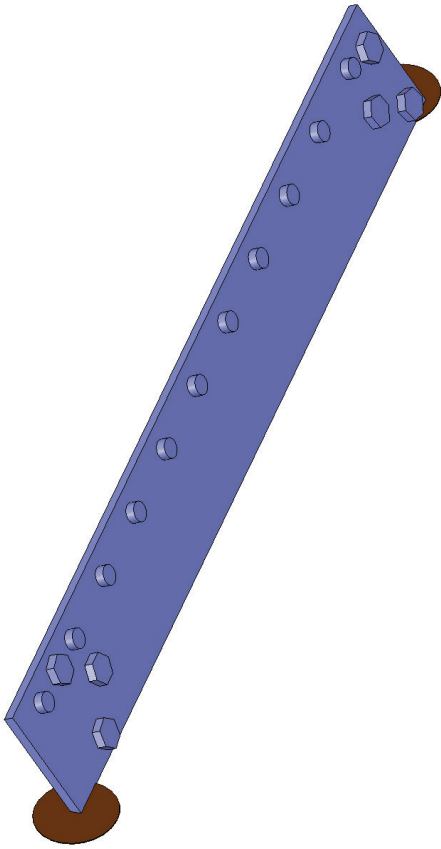
<b>PART Nr.:</b>	<b>02-13</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES: You can use the alternate part **02-13\_ALT**.  
The part is designed for use with a metal grille.



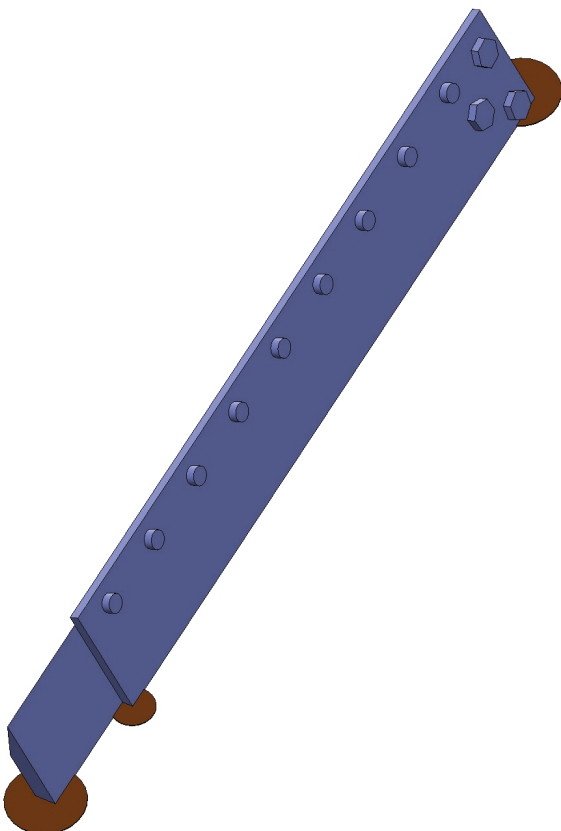
<b>PART Nr.:</b>	<b>02-14A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-14A\_NO\_BASE**.  
If you have a big printer you can use part **02-14AB** instead of parts **02-14A** and **02-14B**.



<b>PART Nr.:</b>	<b>02-14B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-14B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>02-14AB</b> instead of parts <b>02-14A</b> and <b>02-14B</b>.</p>
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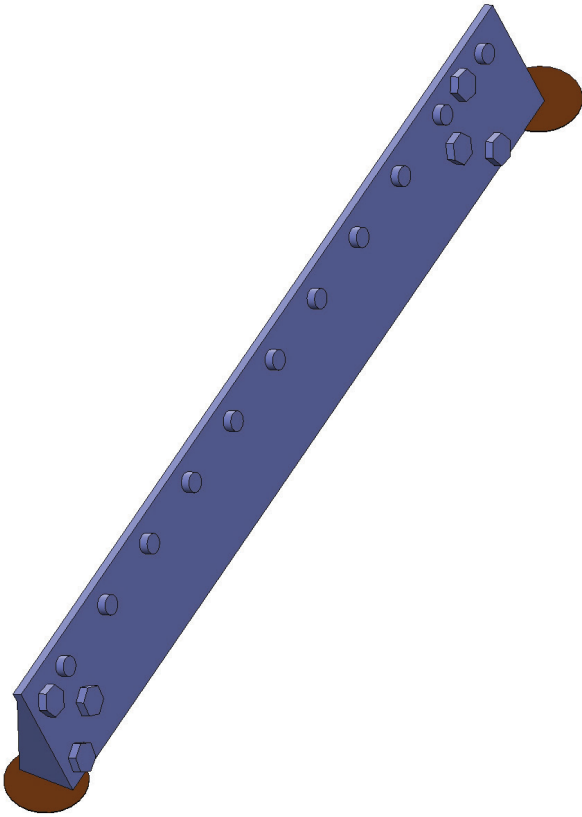


<b>PART Nr.:</b>	<b>02-15A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-15A_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>02-15AB</b> instead of parts <b>02-15A</b> and <b>02-15B</b>.</p>
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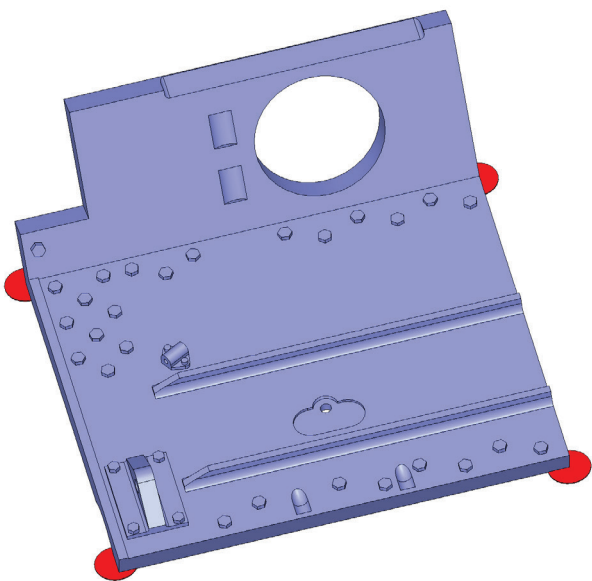
<b>PART Nr.:</b>	<b>02-15B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

**NOTES:**

Cut off the auxiliary areas marked in red.

If you do not need the auxiliary areas, you can print an alternate part **02-15B\_NO\_BASE**.

If you have a big printer you can use part **02-15AB** instead of parts **02-15A** and **02-15B**.



<b>PART Nr.:</b>	<b>02-16A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	RECOMMENDED
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

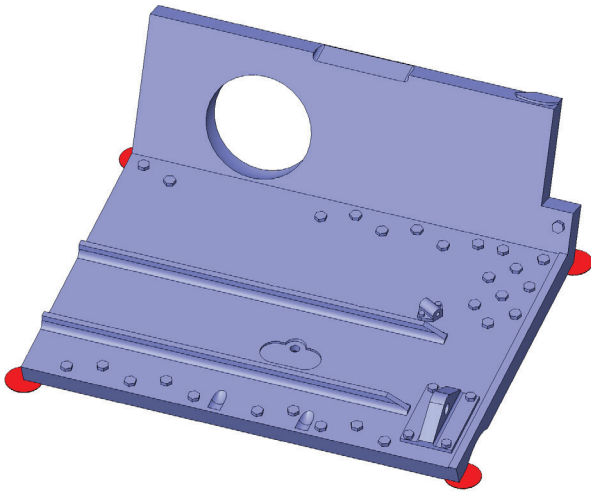
**NOTES:**

The installation hole for the wires has a diameter of 1.8mm. Use a drill bit to clear the path for the wire, if necessary.

Cut off the auxiliary areas marked in red.

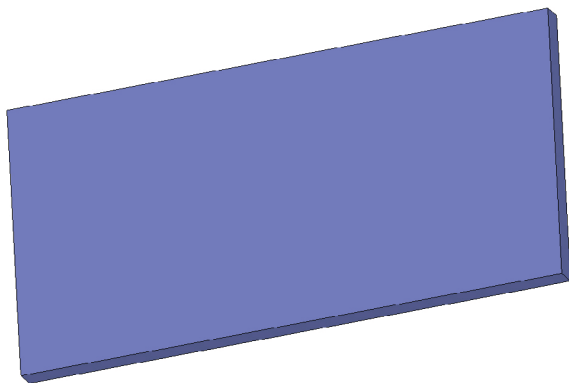
If you do not need the auxiliary areas, you can print an alternate part **02-16A\_NO\_BASE**.

If you have a big printer you can use part **02-16AB** ( or **02-16AB\_NO\_BASE**) instead of parts **02-16A** and **02-16B**.



<b>PART Nr.:</b>	<b>02-16B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	RECOMMENDED
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

<b>NOTES:</b>	<p>The installation hole for the wires has a diameter of 1.8mm. Use a drill bit to clear the path for the wire, if necessary.</p> <p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-16B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>02-16AB ( or 02-16AB_NO_BASE)</b> instead of parts <b>02-16A</b> and <b>02-16B</b>.</p>
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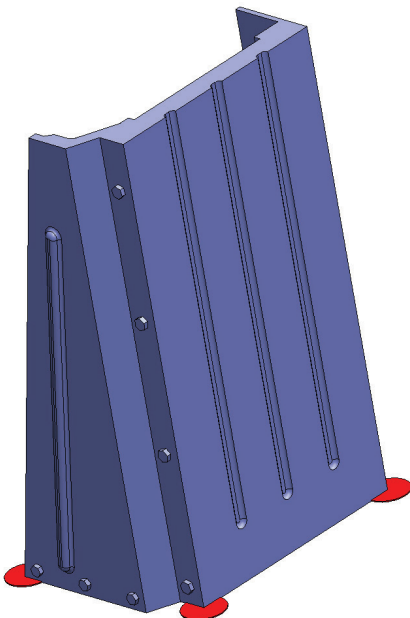
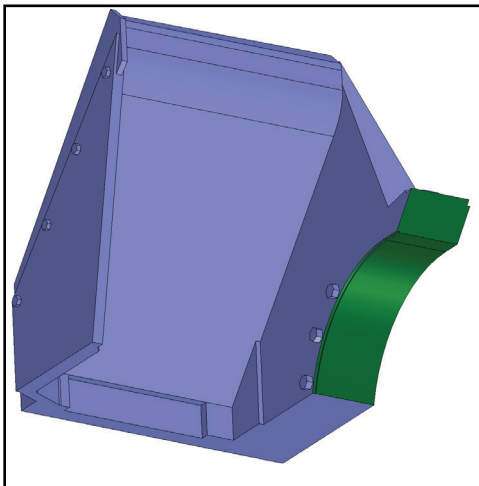
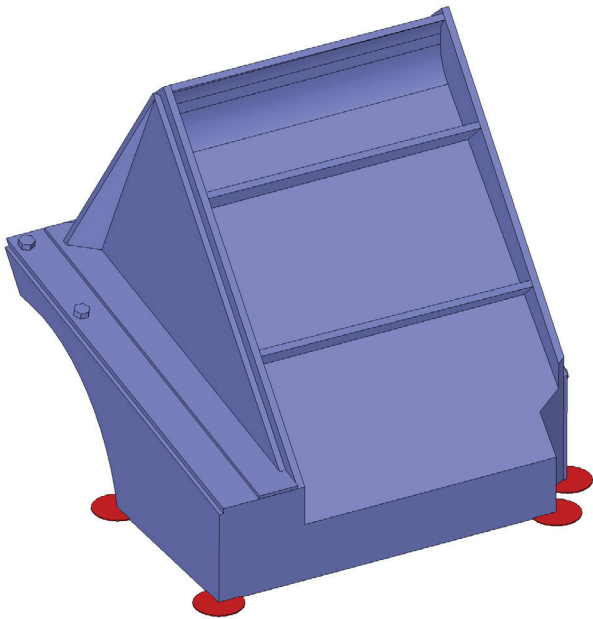


<b>PART Nr.:</b>	<b>02-17</b>
AMOUNT:	12x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 35%
PERIMETERS:	3

<b>NOTES:</b>	
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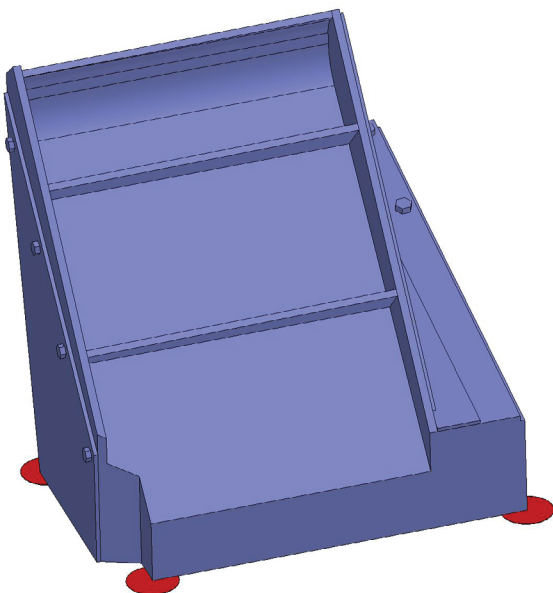
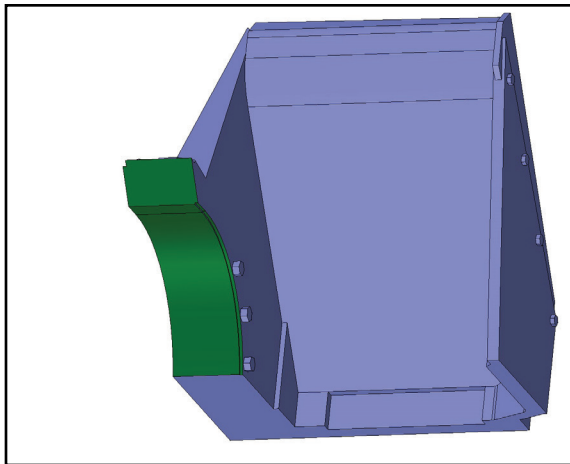
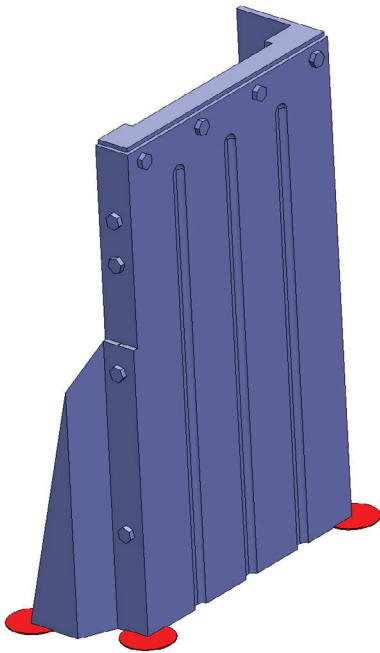


<b>PART Nr.:</b>	<b>02-18A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

**NOTES:** Apply the support to areas marked in green.  
Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-18A\_NO\_BASE**.

<b>PART Nr.:</b>	<b>02-18B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

**NOTES:** Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-18B\_NO\_BASE**.



<b>PART Nr.:</b>	<b>02-18C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-18C\_NO\_BASE**.

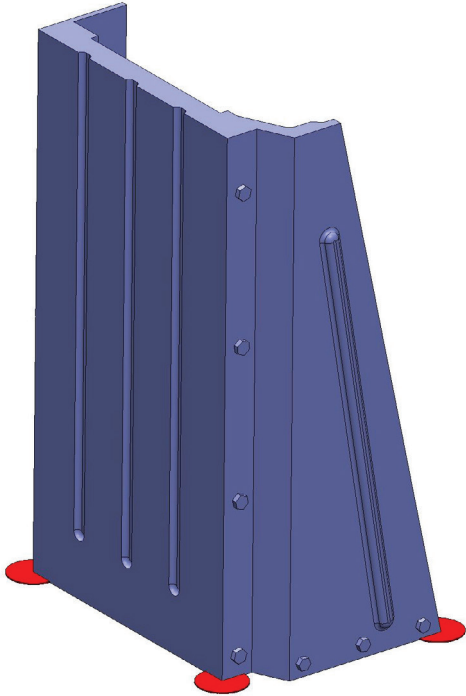
<b>PART Nr.:</b>	<b>02-19A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Apply the support to areas marked in green.  
Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-19A\_NO\_BASE**.



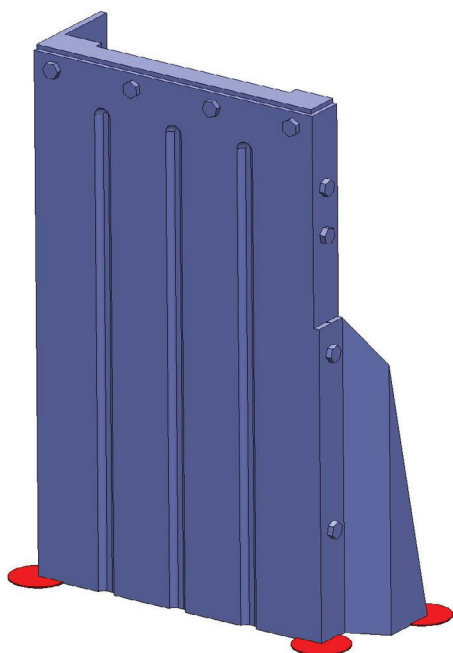
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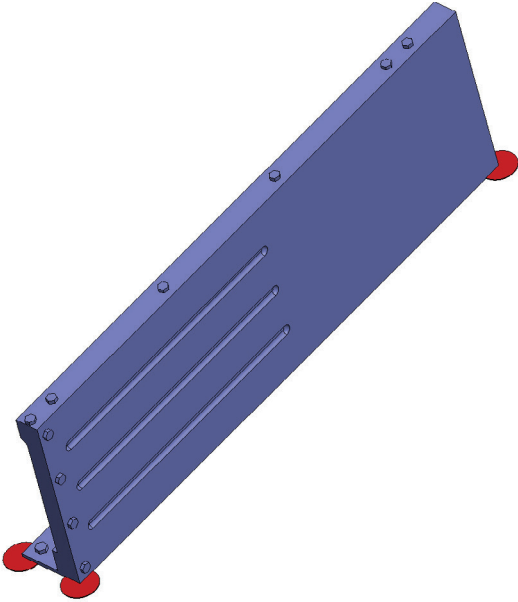
<b>PART Nr.:</b>	<b>02-19B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-19B\_NO\_BASE**.



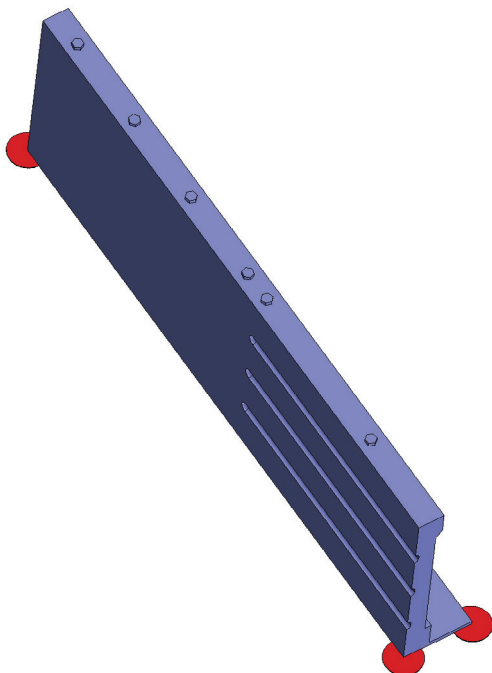
<b>PART Nr.:</b>	<b>02-19C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-19C\_NO\_BASE**.



<b>PART Nr.:</b>	<b>02-20A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-20A_NO_BASE</b>.</p>
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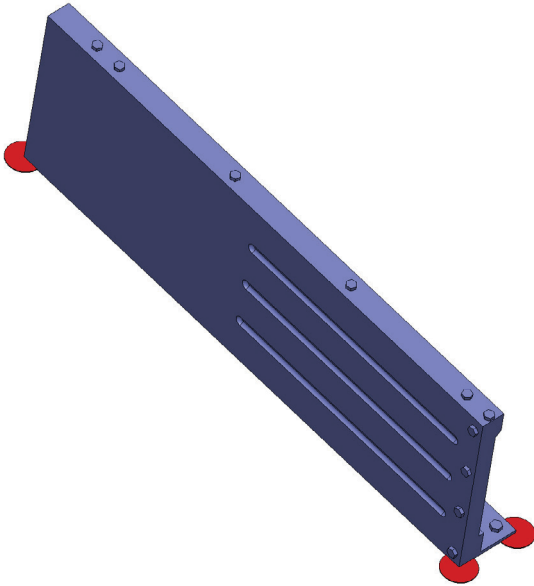


<b>PART Nr.:</b>	<b>02-20B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-20B_NO_BASE</b>.</p>
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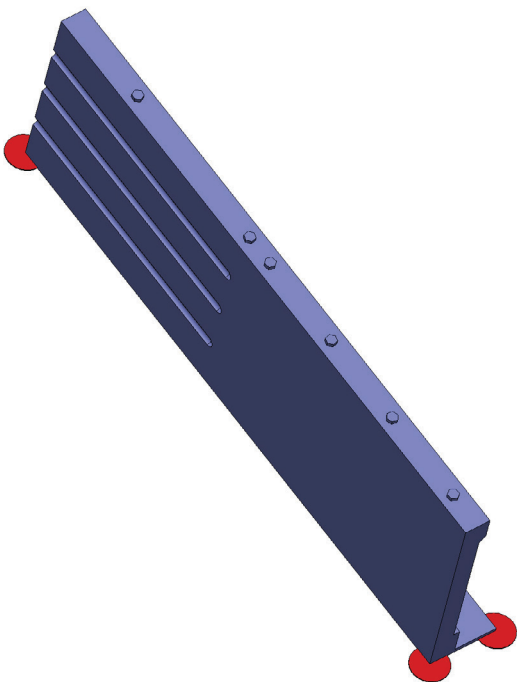
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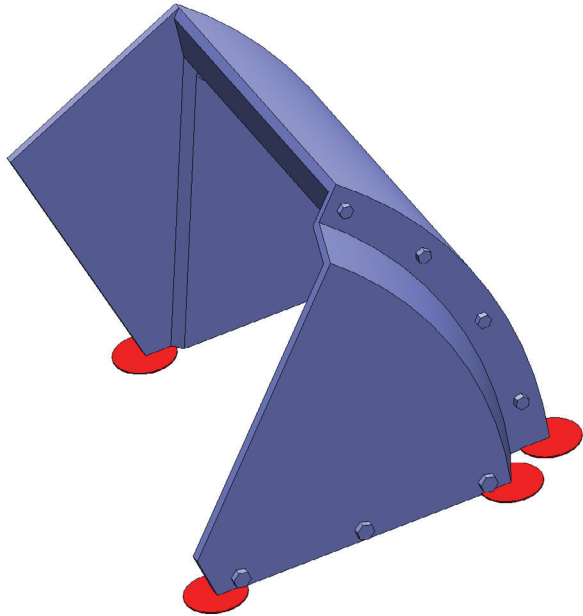
<b>PART Nr.:</b>	<b>02-21A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-21A\_NO\_BASE**.



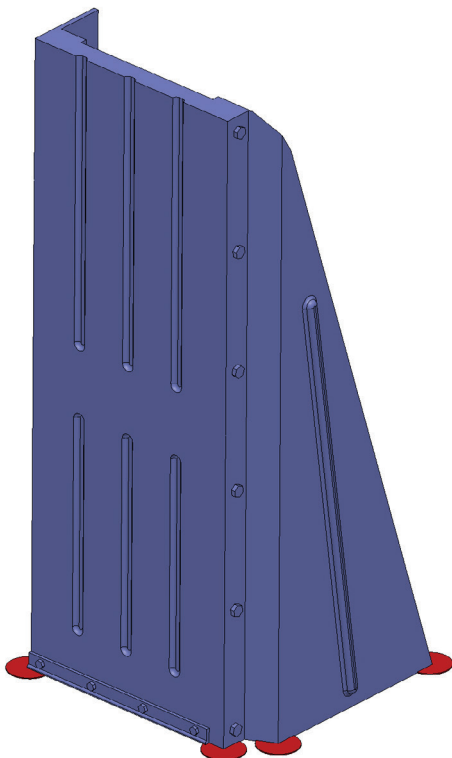
<b>PART Nr.:</b>	<b>02-21B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-21B\_NO\_BASE**.



<b>PART Nr.:</b>	<b>02-22A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-22A_NO_BASE</b>.</p>
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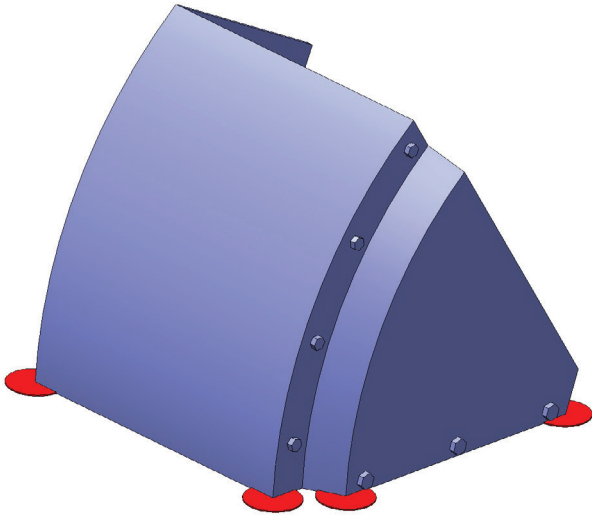


<b>PART Nr.:</b>	<b>02-22B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-22B_NO_BASE</b>.</p>
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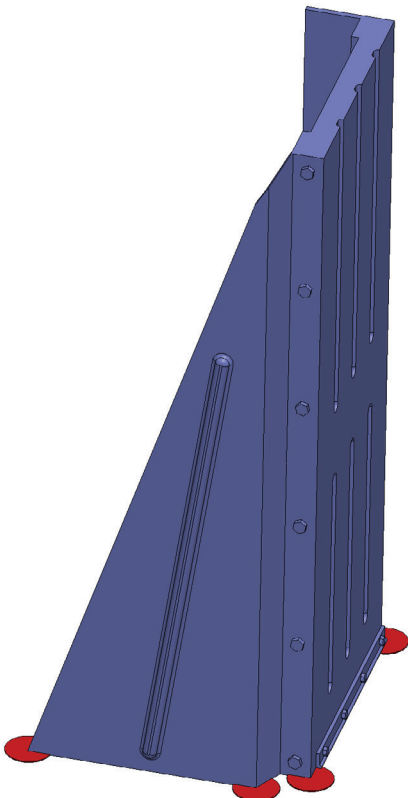
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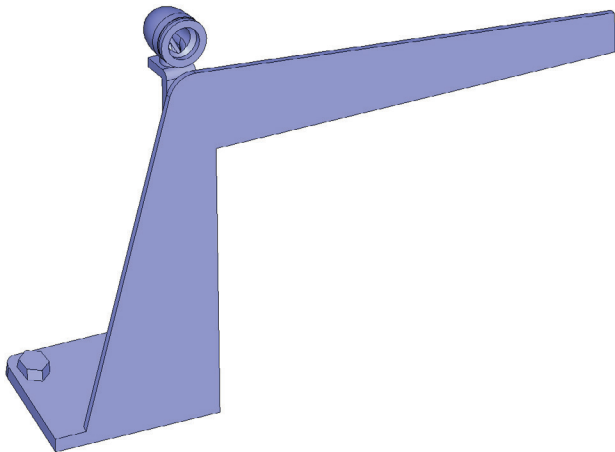
<b>PART Nr.:</b>	<b>02-23A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-23A\_NO\_BASE**.



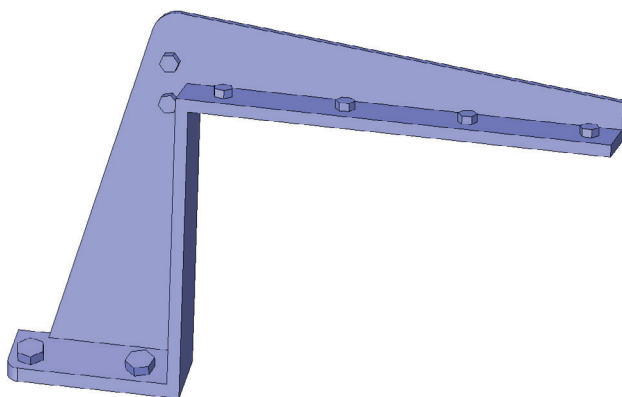
<b>PART Nr.:</b>	<b>02-23B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-23B\_NO\_BASE**.



<b>PART Nr.:</b>	<b>02-24A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

<b>NOTES:</b>	<p>The hole for the wire has a diameter of 1.3mm. Can only be drilled by hand.</p> <p>Most of the time there is no need to drill this hole. It should easily fit 2 wires of 0.5mm diameter.</p>
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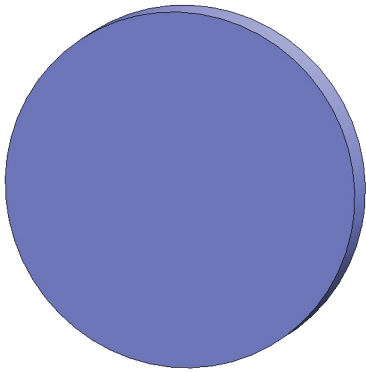


<b>PART Nr.:</b>	<b>02-24B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

<b>NOTES:</b>	
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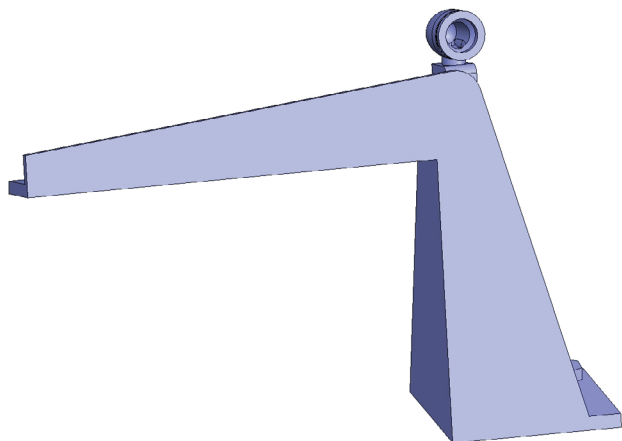
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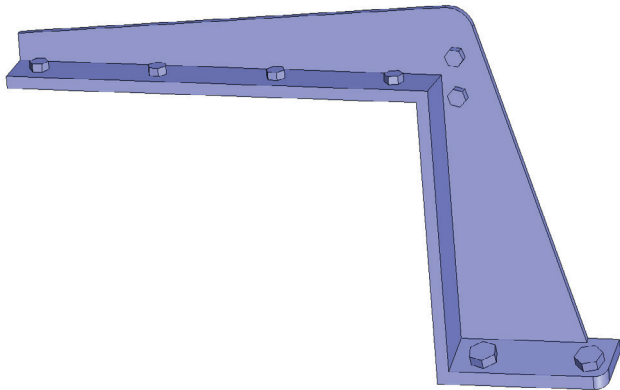
<b>PART Nr.:</b>	<b>02-24C</b>
AMOUNT:	1x
MATERIAL:	PMMA, transparent filament or resin
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	5 - 100%
PERIMETERS:	1 - 3

NOTES: The part is identical to part 02-25C.  
**You will need a total of 2 pieces of this part.**



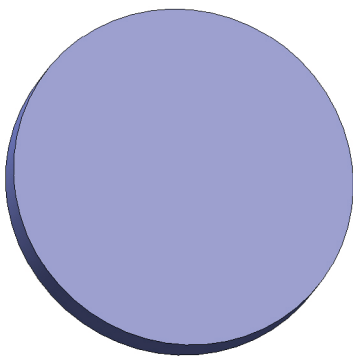
<b>PART Nr.:</b>	<b>02-25A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: The hole for the wire has a diameter of 1.3mm.  
Can only be drilled by hand.  
Most of the time there is no need to drill this hole.  
It should easily fit 2 wires of 0.5mm diameter.



<b>PART Nr.:</b>	<b>02-25B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

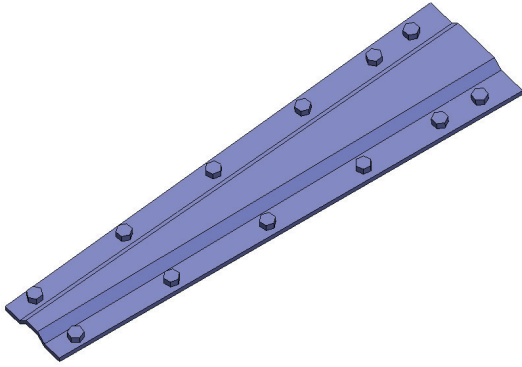
NOTES:	
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<b>PART Nr.:</b>	<b>02-25C</b>
AMOUNT:	1x
MATERIAL:	PMMA, transparent filament or resin
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	5 - 100%
PERIMETERS:	1 - 3

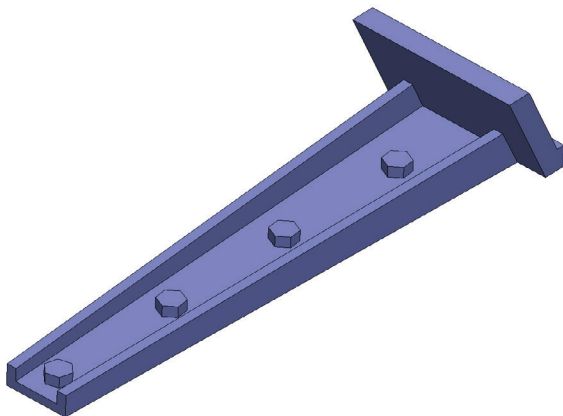
NOTES:	The part is identical to part 02-24C. <b>You will need a total of 2 pieces of this part.</b>
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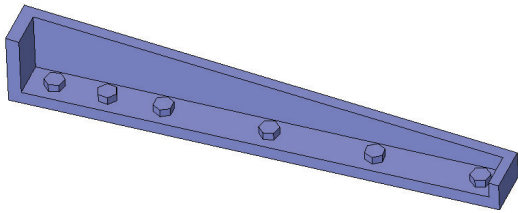
<b>PART Nr.:</b>	<b>02-26</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30%
PERIMETERS:	3

NOTES:



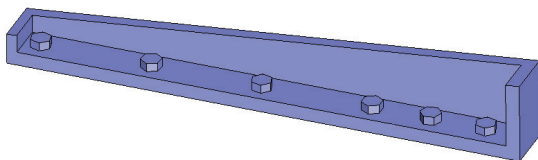
<b>PART Nr.:</b>	<b>02-27</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30%
PERIMETERS:	3

NOTES:



<b>PART Nr.:</b>	<b>02-28</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30%
PERIMETERS:	3

NOTES:	
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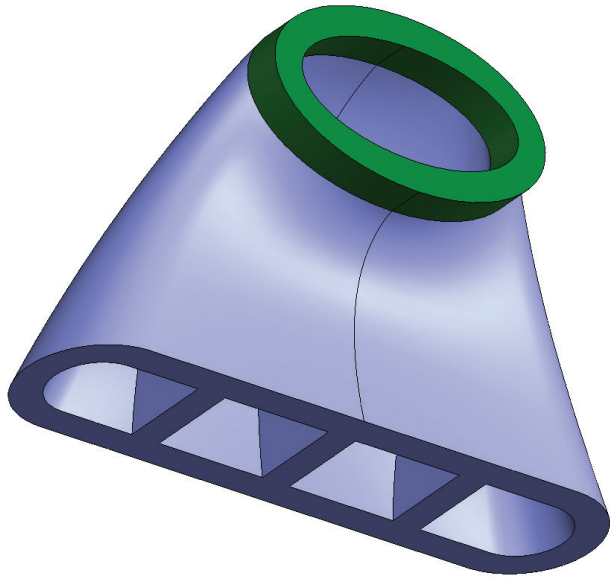


<b>PART Nr.:</b>	<b>02-29</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30%
PERIMETERS:	3

NOTES:	
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# Cromwell Mk.IV

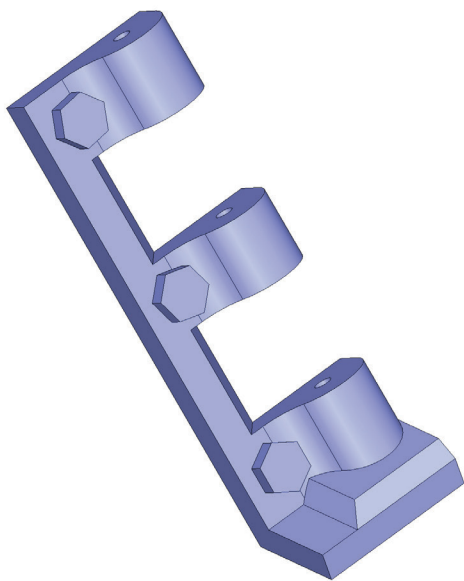
## Printing guide



<b>PART Nr.:</b>	<b>02-30</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

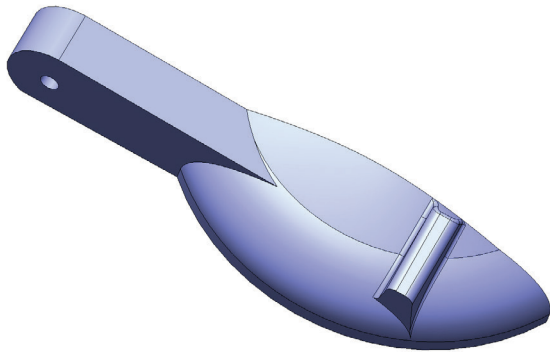
NOTES: Apply the support to areas marked in green.

**Do not use supports inside the part.**



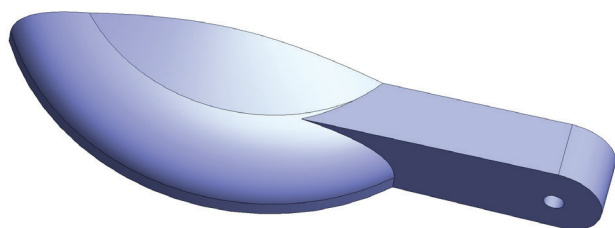
<b>PART Nr.:</b>	<b>02-31A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES: Drill the pin hole with a 2mm drill bit.



<b>PART Nr.:</b>	<b>02-31B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	Drill the pin hole with a 2mm drill bit.
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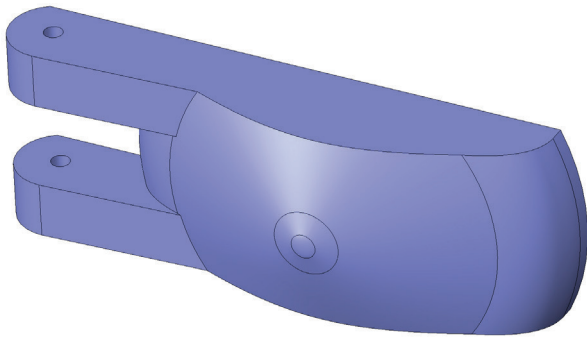


<b>PART Nr.:</b>	<b>02-31C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	Drill the pin hole with a 2mm drill bit.
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# Cromwell Mk.IV

## Printing guide



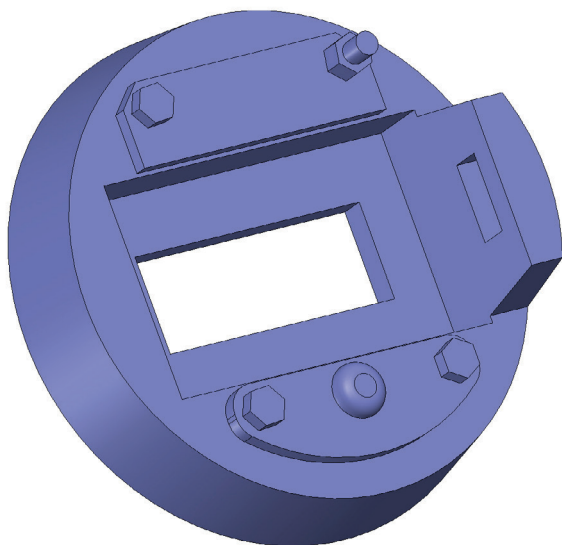
<b>PART Nr.:</b>	<b>02-31D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

**NOTES:**

Drill the pin hole with a 2mm drill bit.

You can use part **02-31D\_SLA** for printing with the resin printers.

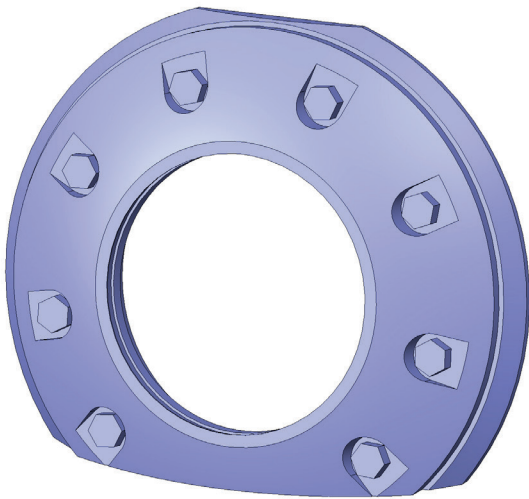
Part **02-31D\_SLA** can also be printed on an FDM printer, but requires a lot of supports.



<b>PART Nr.:</b>	<b>02-31E</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

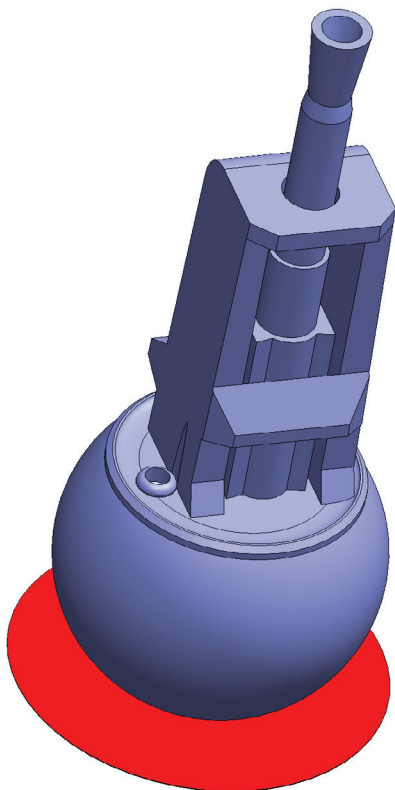
**NOTES:**

You can use part **02-31D\_SLA** for printing with the resin printers.



<b>PART Nr.:</b>	<b>02-32</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	
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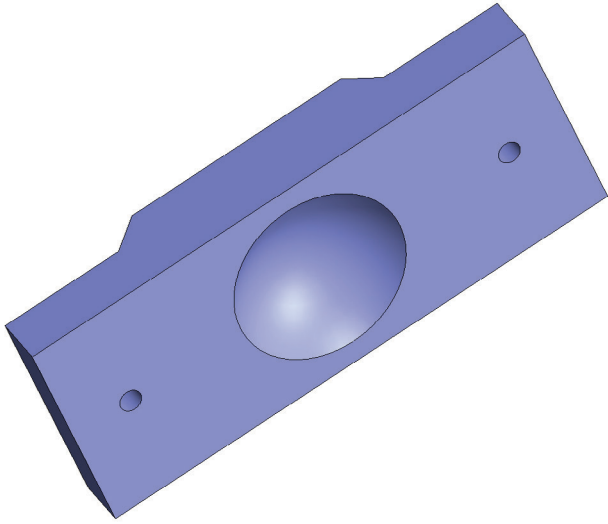


<b>PART Nr.:</b>	<b>02-33</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>02-33_NO_BASE</b>.</p> <p>if you don't want or are not able to print a machine gun with a bore in the barrel, use part <b>02-33_ALT</b> or <b>02-33_ALT_NO_BASE</b>.</p>
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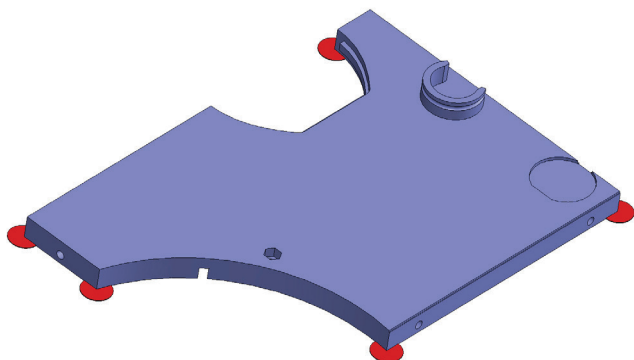
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>02-34</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: Drill the screw holes with a 4-4.5mm drill bit.



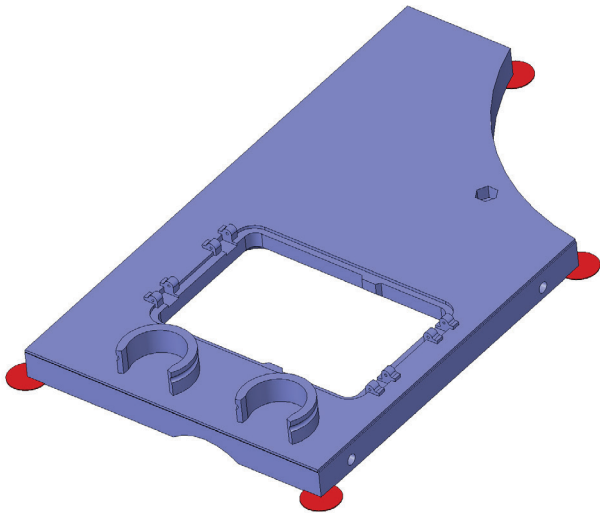
<b>PART Nr.:</b>	<b>02-35A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: Drill the screw holes with a 4-4.5mm drill bit.

Cut off the auxiliary areas marked in red.

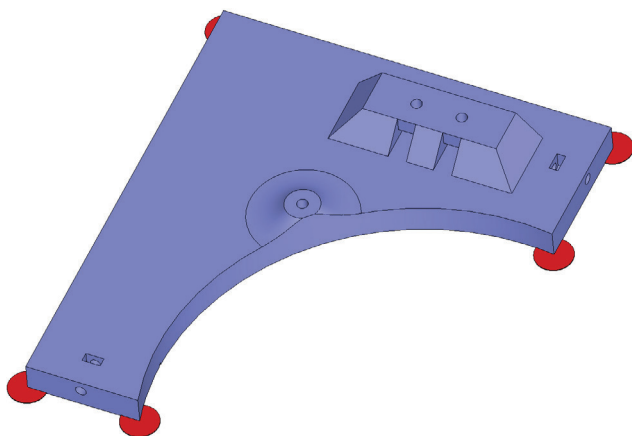
If you do not need the auxiliary areas, you can print an alternate part **02-35A\_NO\_BASE**.

If you have a big printer you can use part **02-35AB** instead of parts **02-35A** and **02-35B**.



<b>PART Nr.:</b>	<b>02-35B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-35B_NO_BASE</b> .
	If you have a big printer you can use part <b>02-35AB</b> instead of parts <b>02-35A</b> and <b>02-35B</b> .



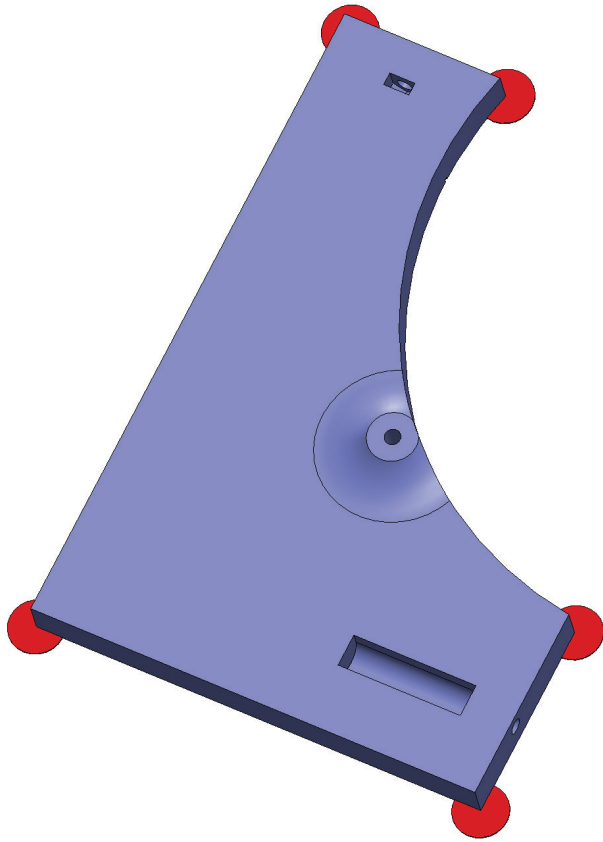
<b>PART Nr.:</b>	<b>02-36A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	Drill the screw holes with a 4-4.5mm drill bit.
	Cut off the auxiliary areas marked in red.
	If you do not need the auxiliary areas, you can print an alternate part <b>02-36A_NO_BASE</b> .
	If you have a big printer you can use part <b>02-36AB</b> instead of parts <b>02-36A</b> and <b>02-36B</b> .



# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>02-36B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	20%
PERIMETERS:	3

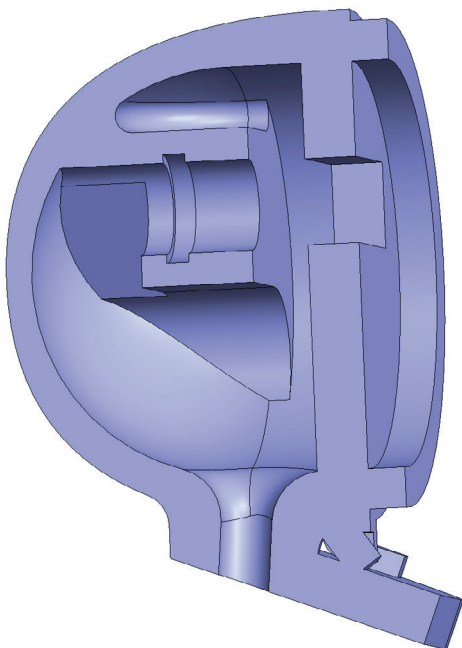
**NOTES:**

Drill the screw holes with a 4-4.5mm drill bit.

Cut off the auxiliary areas marked in red.

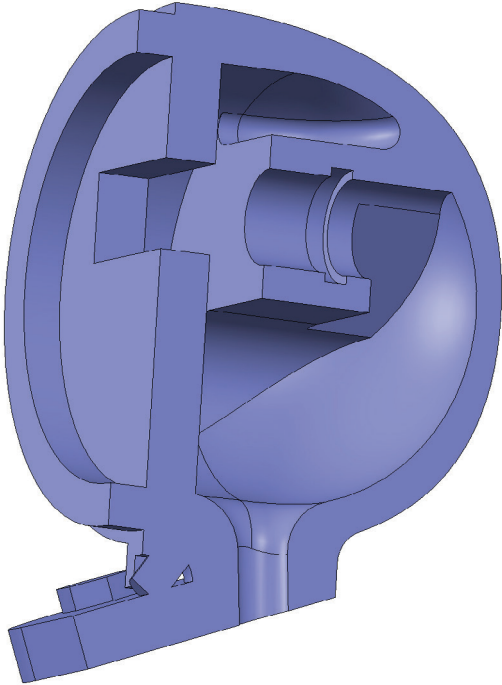
If you do not need the auxiliary areas, you can print an alternate part **02-36B\_NO\_BASE**.

If you have a big printer you can use part **02-36AB** instead of parts **02-36A** and **02-36B**.



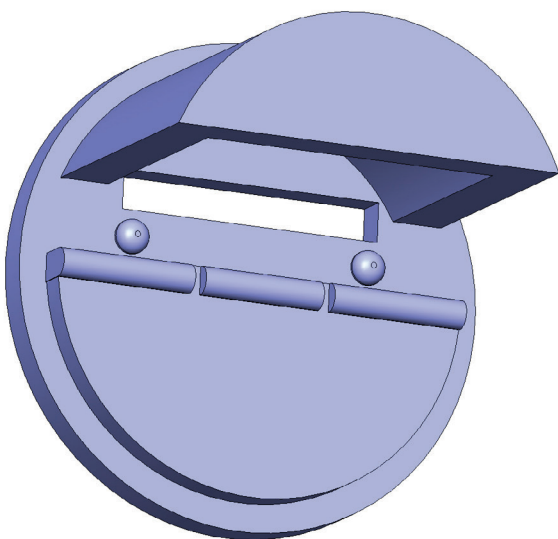
<b>PART Nr.:</b>	<b>02-37A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

**NOTES:**



<b>PART Nr.:</b>	<b>02-37B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	
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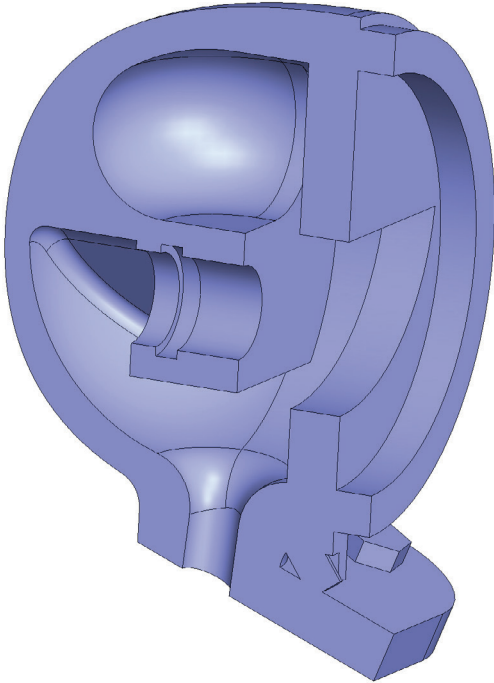


<b>PART Nr.:</b>	<b>02-37C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	
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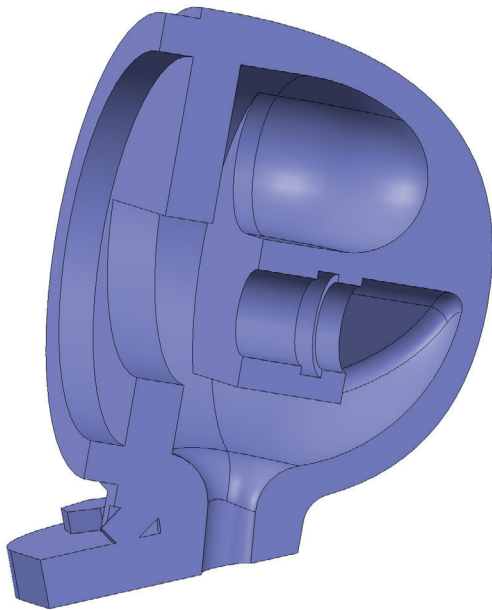
# Cromwell Mk.IV

## Printing guide



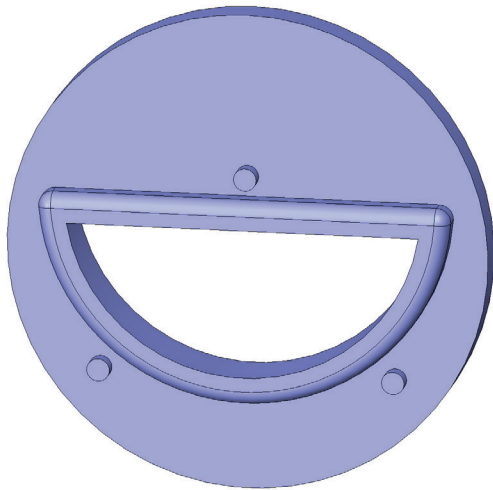
<b>PART Nr.:</b>	<b>02-38A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:



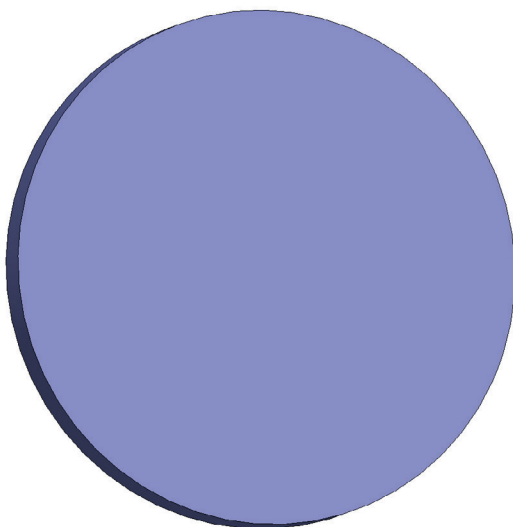
<b>PART Nr.:</b>	<b>02-38B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:



<b>PART Nr.:</b>	<b>02-38C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	
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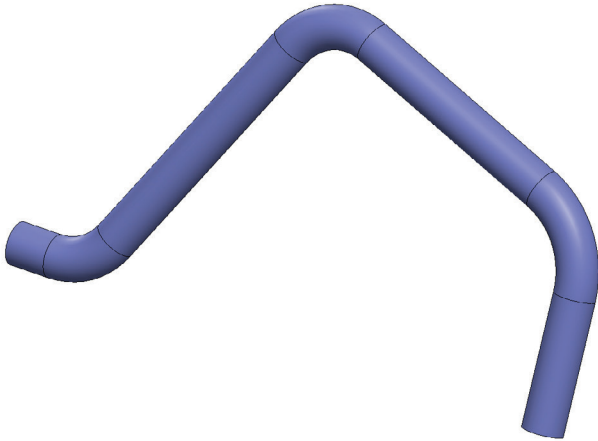


<b>PART Nr.:</b>	<b>02-38D</b>
AMOUNT:	1x
MATERIAL:	PMMA, transparent filament or resin
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	5 - 100%
PERIMETERS:	1 - 3

NOTES:	<p>You dont need to print this part.                  You can use any thick translucent foil instead.                  Cut a circle with a diameter of 7.5 mm.</p>
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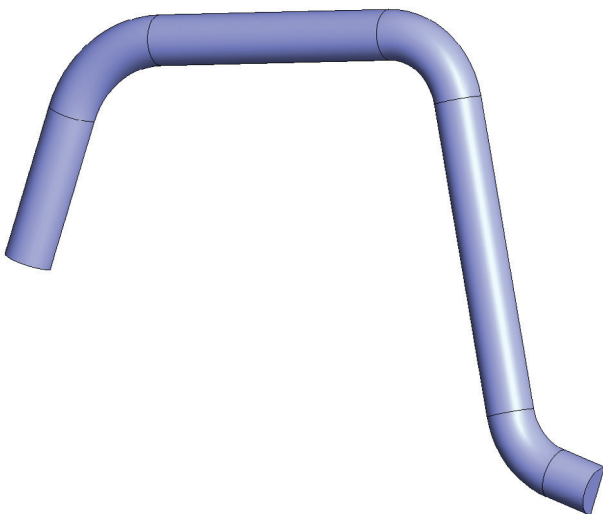
# Cromwell Mk.IV

## Printing guide



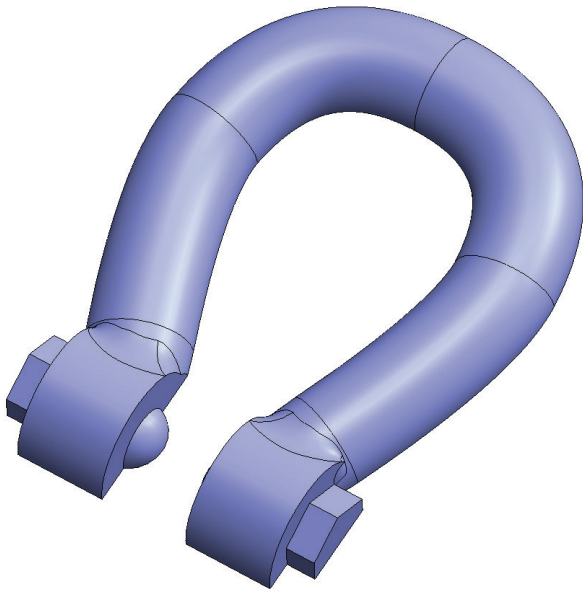
<b>PART Nr.:</b>	<b>02-39A</b>
AMOUNT:	4x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	25 - 30%
PERIMETERS:	3

NOTES: You can use part **02-39\_SLA** for printing with the resin printers.



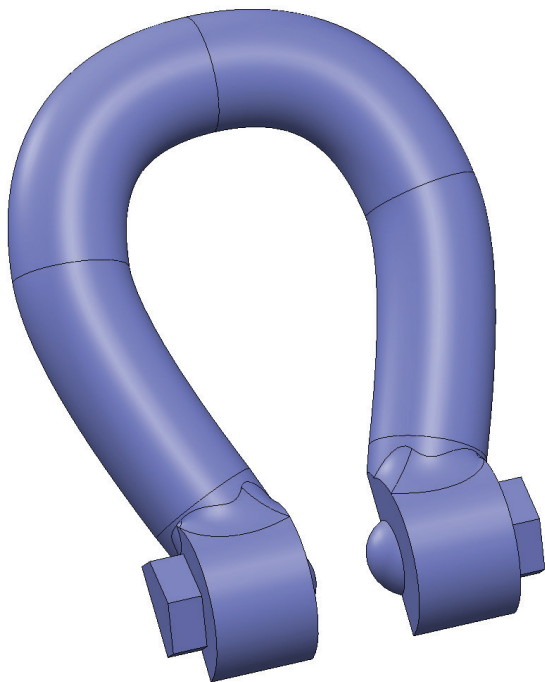
<b>PART Nr.:</b>	<b>02-39B</b>
AMOUNT:	4x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	25 - 30%
PERIMETERS:	3

NOTES: You can use part **02-39\_SLA** for printing with the resin printers.



<b>PART Nr.:</b>	<b>02-40A</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: You can use part **02-40\_SLA** for printing with the resin printers.

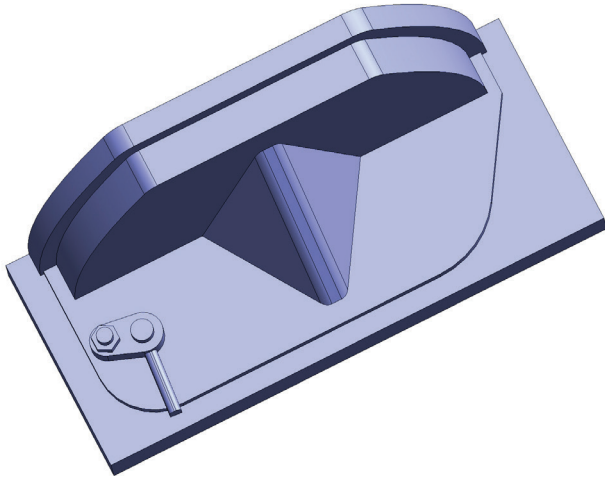


<b>PART Nr.:</b>	<b>02-40B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: You can use part **02-40\_SLA** for printing with the resin printers.

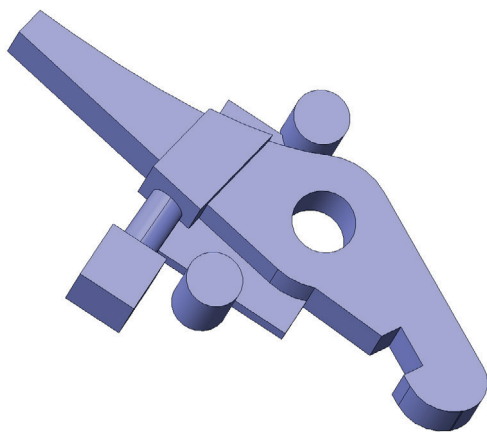
# Cromwell Mk.IV

## Printing guide



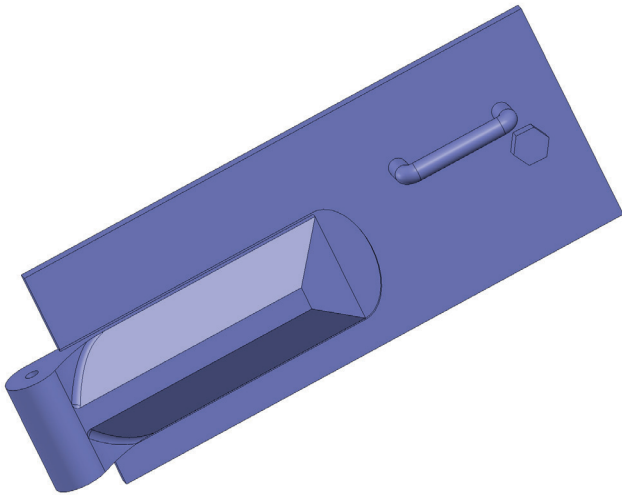
<b>PART Nr.:</b>	<b>02-41A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: Drill the screw hole with a 2-2.5mm drill bit.



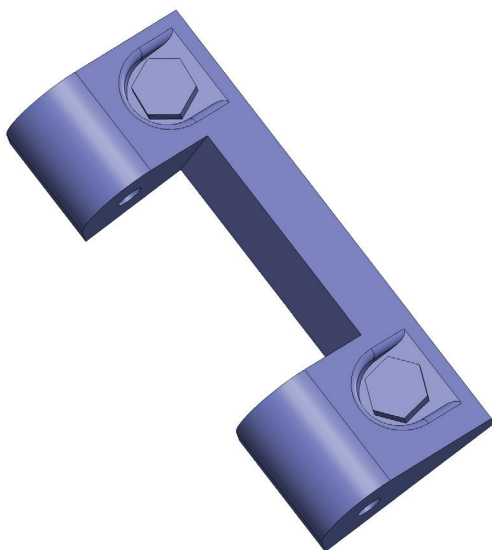
<b>PART Nr.:</b>	<b>02-41B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: Drill the screw hole with a 2-2.5mm drill bit.



<b>PART Nr.:</b>	<b>02-41C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Drill the pin hole with a 2mm drill bit.</p> <p>If you don't want to print handles, you can use the alternate part <b>02-41C_NO_HANDLES</b>.</p>
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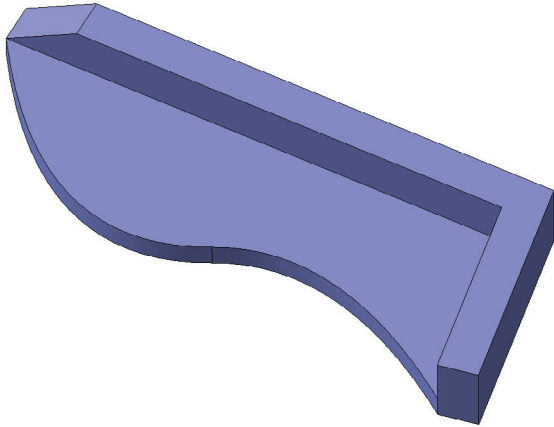
<b>PART Nr.:</b>	<b>02-41D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

<b>NOTES:</b>	<p>Drill the pin hole with a 2mm drill bit.</p>
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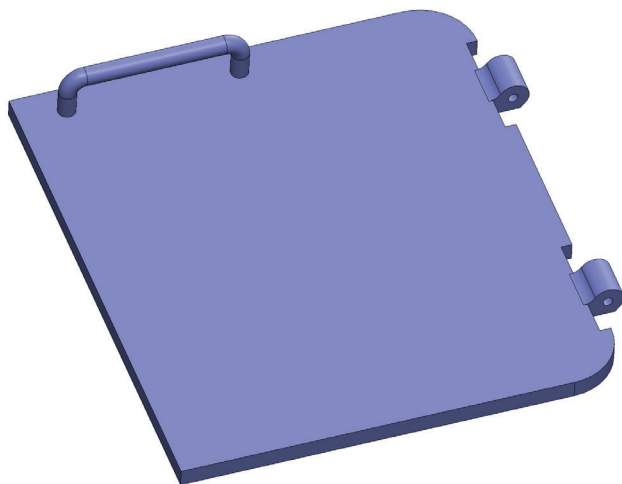
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>02-42</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 30%
PERIMETERS:	3

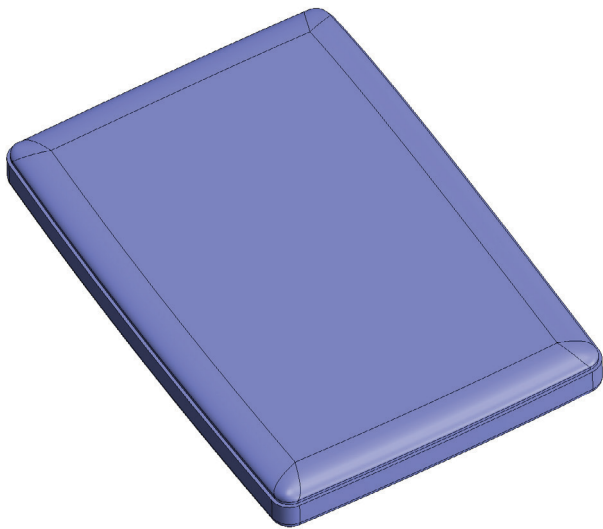
NOTES:



<b>PART Nr.:</b>	<b>02-43A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES:

If you don't want to print handles, you can use the alternate part **02-43A\_NO\_HANDLES**.



<b>PART Nr.:</b>	<b>02-43B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:	
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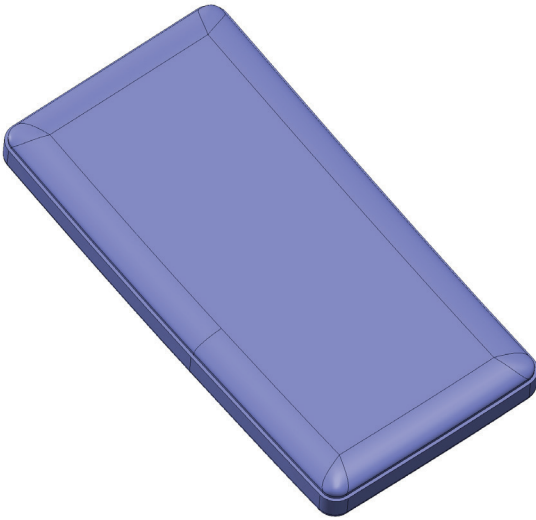


<b>PART Nr.:</b>	<b>02-44A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES:	
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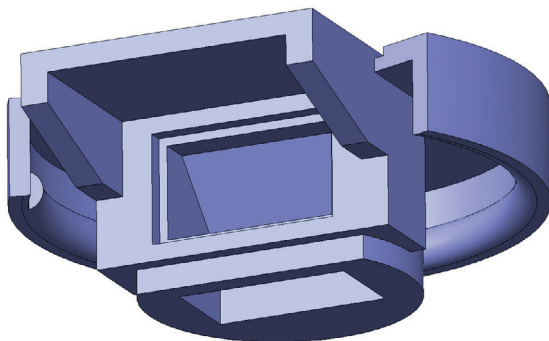
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>02-44B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:

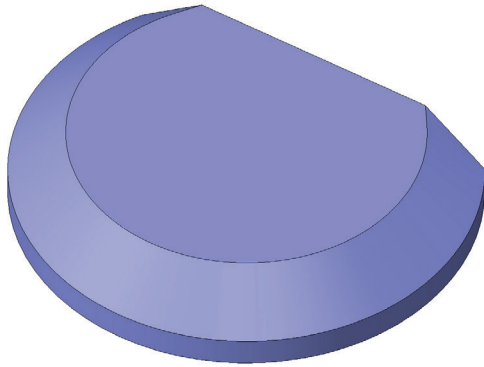


<b>PART Nr.:</b>	<b>02-45</b>
AMOUNT:	3x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	RECOMMENDED
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	2 - 3

NOTES:

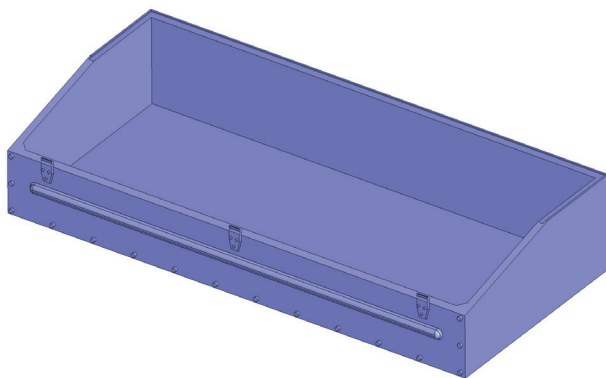
The part is identical to part 05-09.  
**You will need a total of 5 pieces of this part.**

To print a part with simpler periscopes, use **02-45\_ALT**.



<b>PART Nr.:</b>	<b>02-46</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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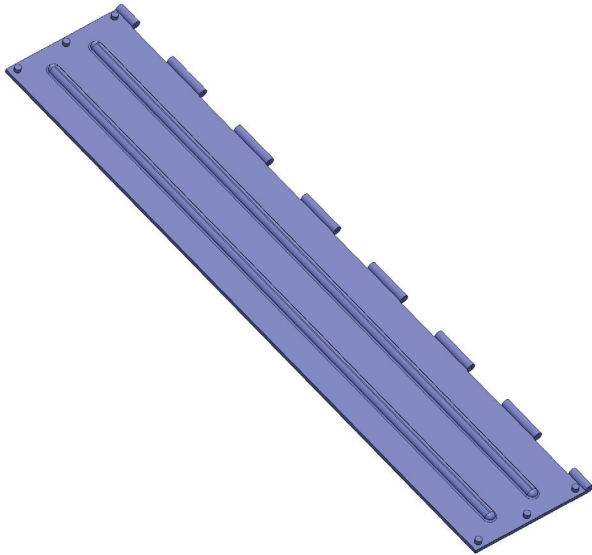


<b>PART Nr.:</b>	<b>02-47A</b>
AMOUNT:	3x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES:	If you don't want to print functional boxes, you can use the alternate part <b>02-47ABCD</b> .
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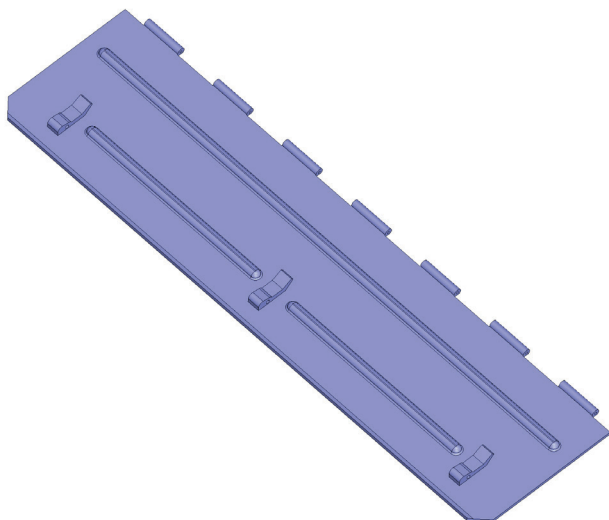
# Cromwell Mk.IV

## Printing guide



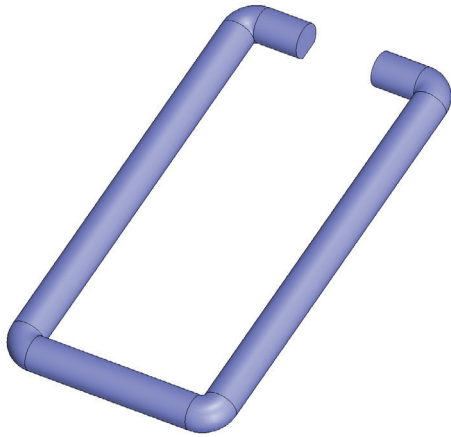
<b>PART Nr.:</b>	<b>02-47B</b>
AMOUNT:	3x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES: If you don't want to print functional boxes, you can use the alternate part **02-47ABCD**.



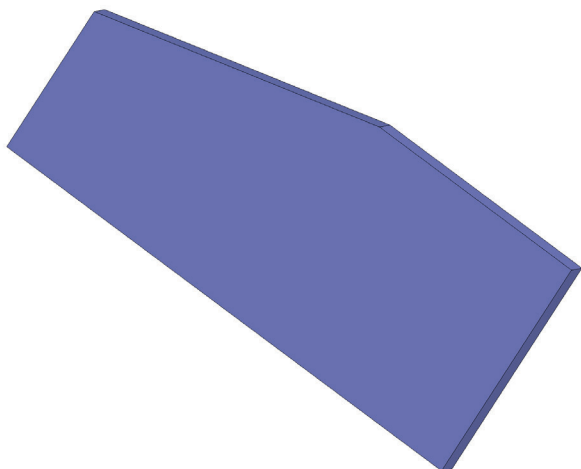
<b>PART Nr.:</b>	<b>02-47C</b>
AMOUNT:	3x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES: If you don't want to print functional boxes, you can use the alternate part **02-47ABCD**.



<b>PART Nr.:</b>	<b>02-47D</b>
AMOUNT:	9x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 50%
PERIMETERS:	3

NOTES:	<p>You can also make part 02-47D from metal (brass).</p> <p>If you don't want to print functional boxes, you can use the alternate part <b>02-47ABCD</b>.</p>
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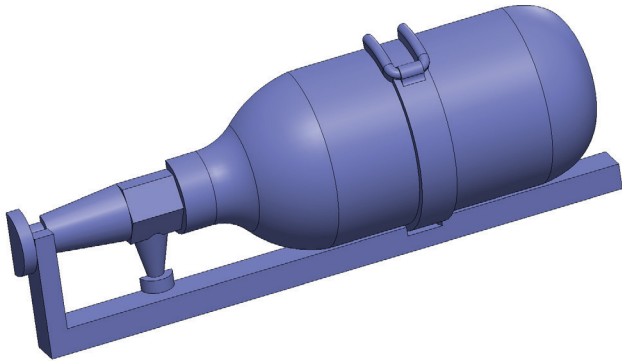


<b>PART Nr.:</b>	<b>02-48</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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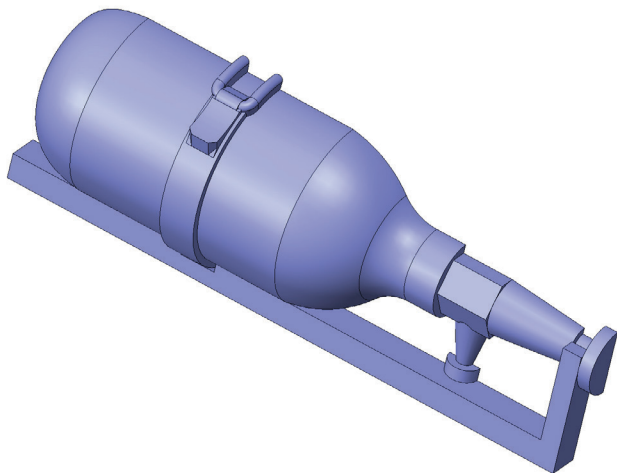
# Cromwell Mk.IV

## Printing guide



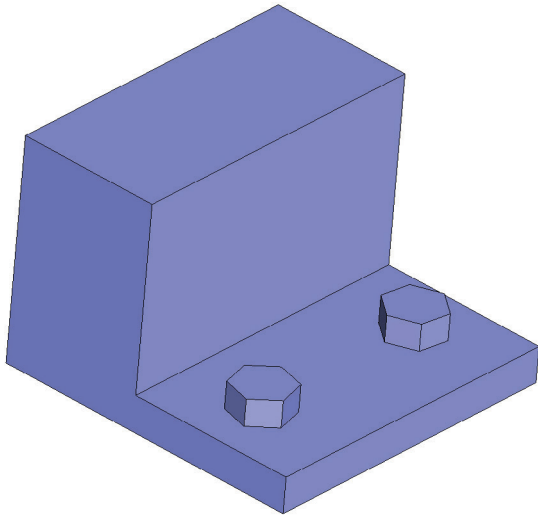
<b>PART Nr.:</b>	<b>02-49A</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES: You can use part **02-49AB** for printing with the resin printers.



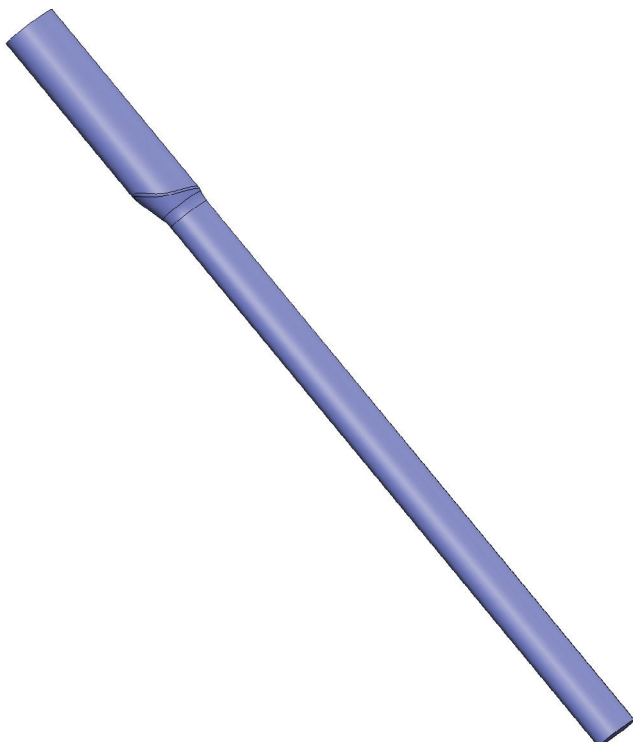
<b>PART Nr.:</b>	<b>02-49B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES: You can use part **02-49AB** for printing with the resin printers.



<b>PART Nr.:</b>	<b>02-50A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

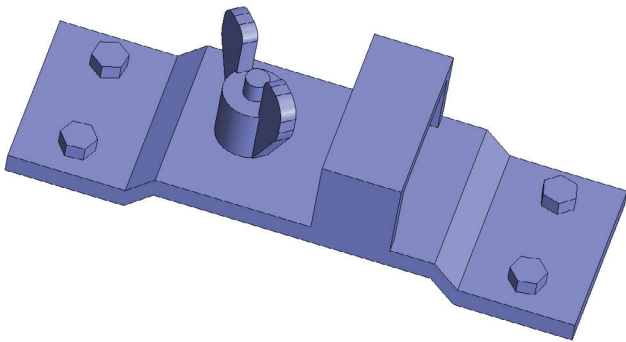
NOTES:	
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<b>PART Nr.:</b>	<b>02-50B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

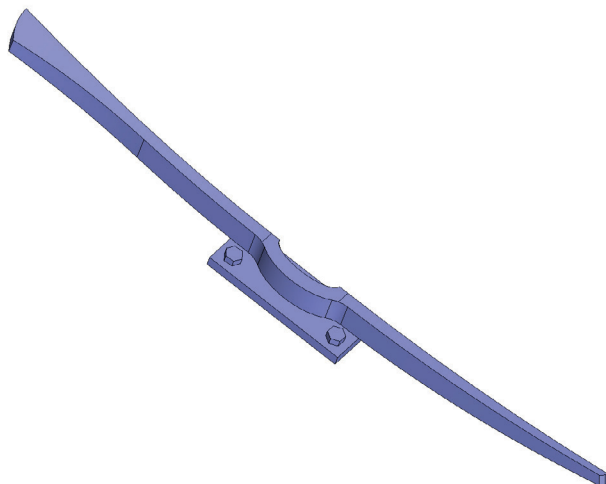
NOTES:	
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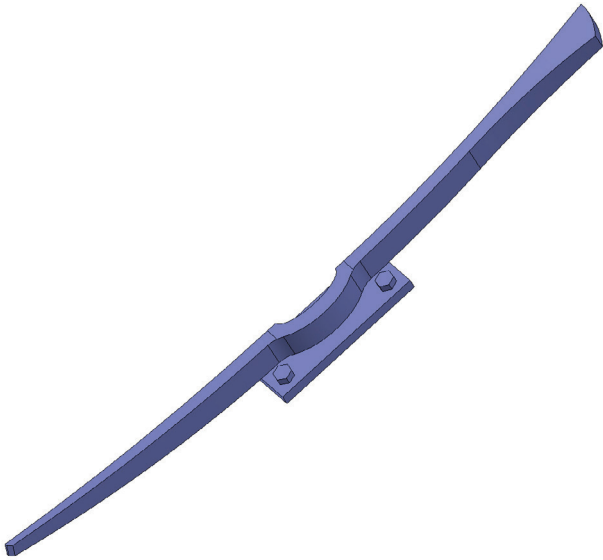
<b>PART Nr.:</b>	<b>02-50C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:



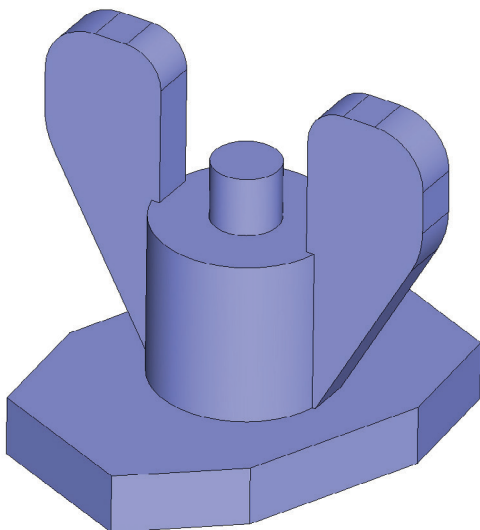
<b>PART Nr.:</b>	<b>02-51A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **02-51A\_SLA** for printing with the resin printers.



<b>PART Nr.:</b>	<b>02-51B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	You can use part <b>02-51B_SLA</b> for printing with the resin printers.
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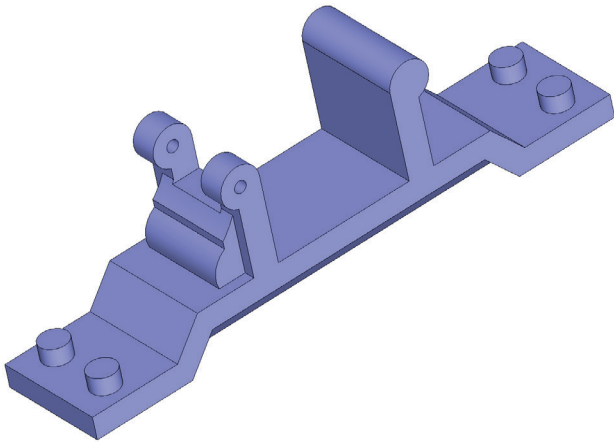


<b>PART Nr.:</b>	<b>02-51C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	
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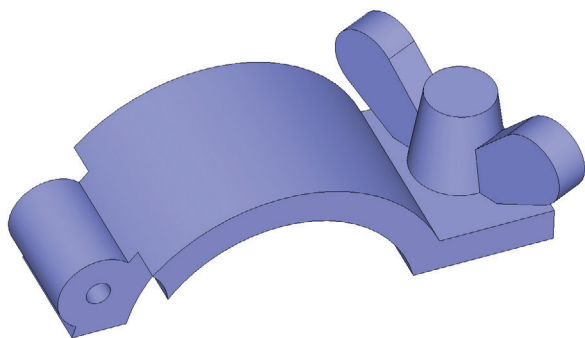
# Cromwell Mk.IV

## Printing guide



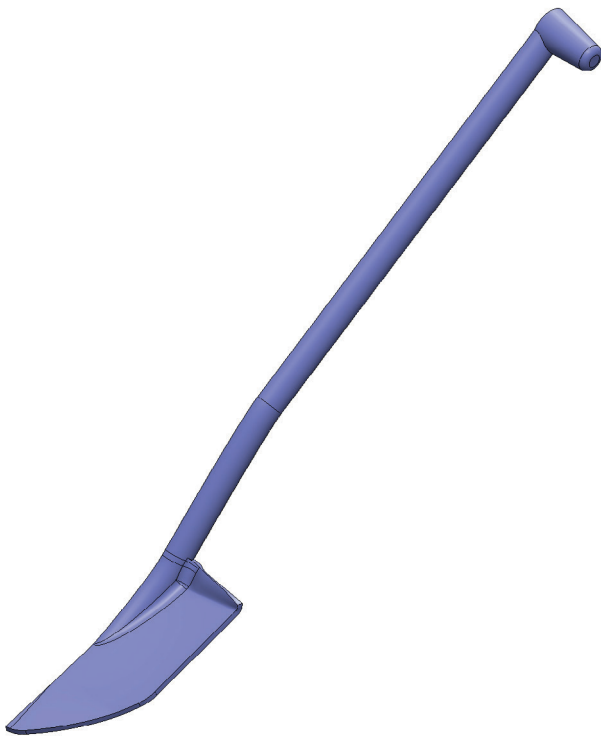
<b>PART Nr.:</b>	<b>02-52A</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES: If you don't want to print functional holder, you can use the alternate part **02-52AB**.



<b>PART Nr.:</b>	<b>02-52B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES: If you don't want to print functional holder, you can use the alternate part **02-52AB**.



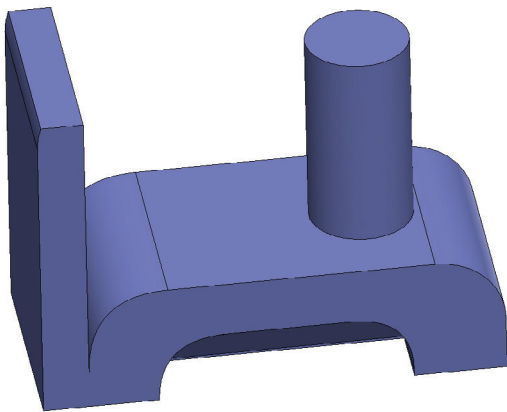
<b>PART Nr.:</b>	<b>02-52C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	You can use part <b>02-52CD</b> for printing with the resin printers.
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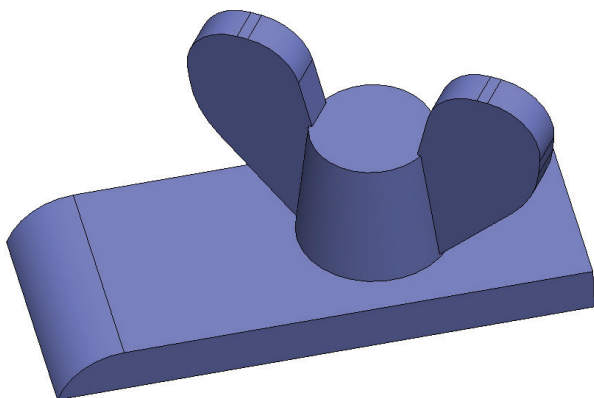
<b>PART Nr.:</b>	<b>02-52D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	You can use part <b>02-52CD</b> for printing with the resin printers.
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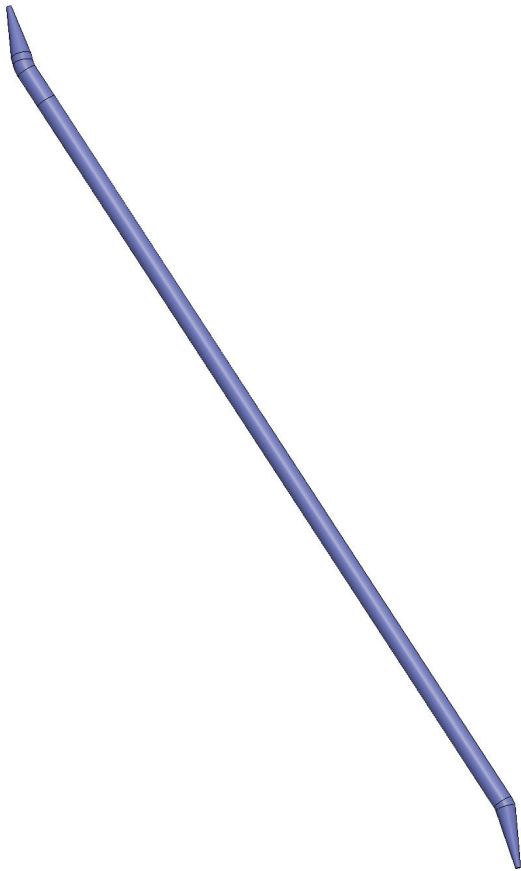
<b>PART Nr.:</b>	<b>02-53A</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **02-53AB** for printing with the resin printers.



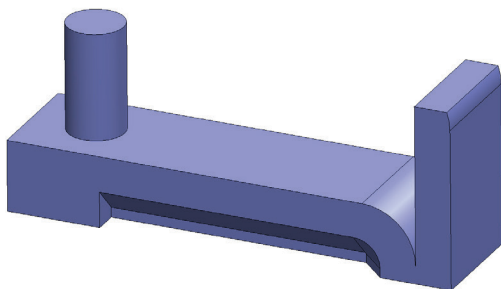
<b>PART Nr.:</b>	<b>02-53B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **02-53AB** for printing with the resin printers.



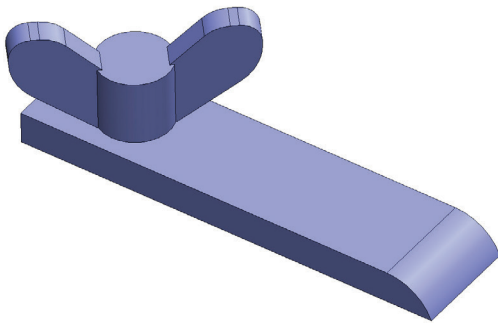
<b>PART Nr.:</b>	<b>02-53C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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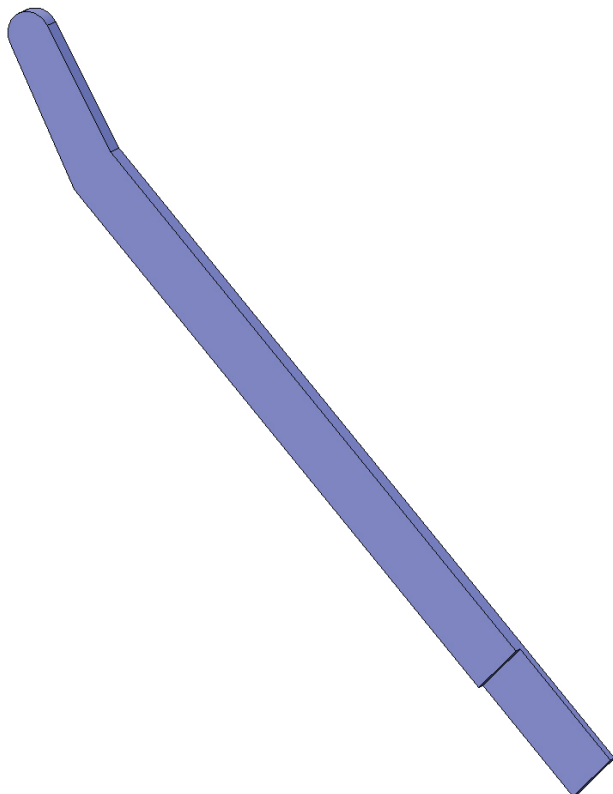
<b>PART Nr.:</b>	<b>02-54A</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES:	You can use part <b>02-54AB</b> for printing with the resin printers.
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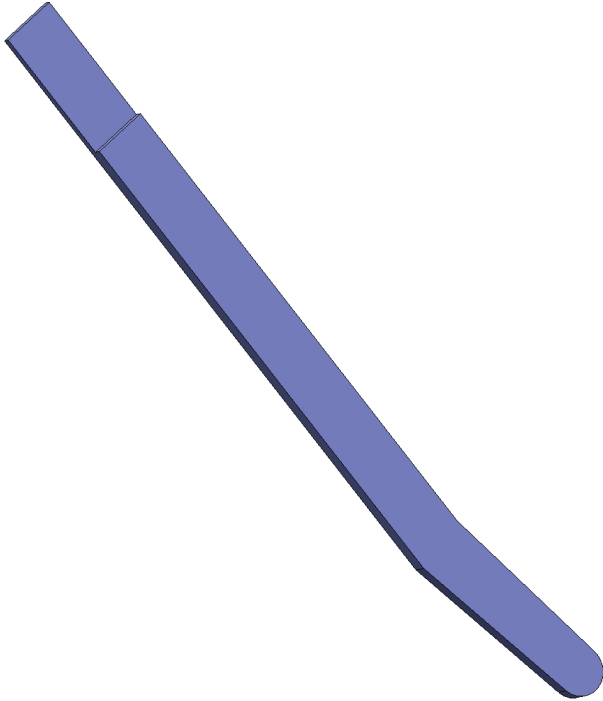
<b>PART Nr.:</b>	<b>02-54B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **02-54AB** for printing with the resin printers.



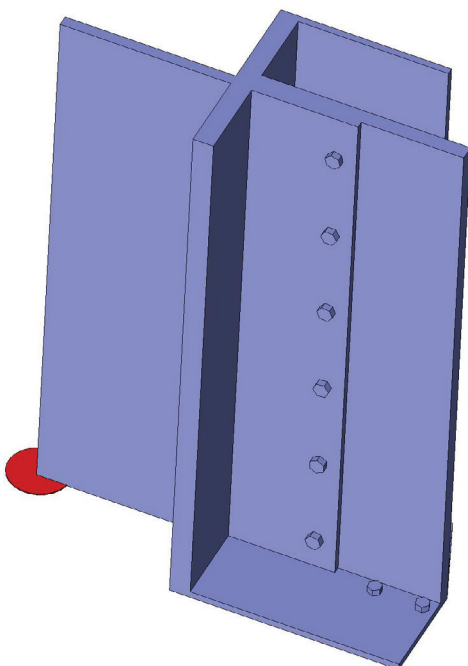
<b>PART Nr.:</b>	<b>02-54C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **02-54CD** instead of parts **02-54C** and **02-54D**.



<b>PART Nr.:</b>	<b>02-54D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

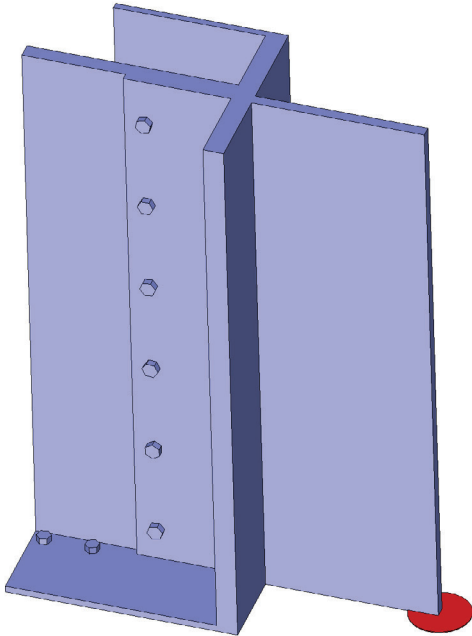
NOTES: If you have a big printer you can use part **02-54CD** instead of parts **02-54C** and **02-54D**.



<b>PART Nr.:</b>	<b>02-55A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

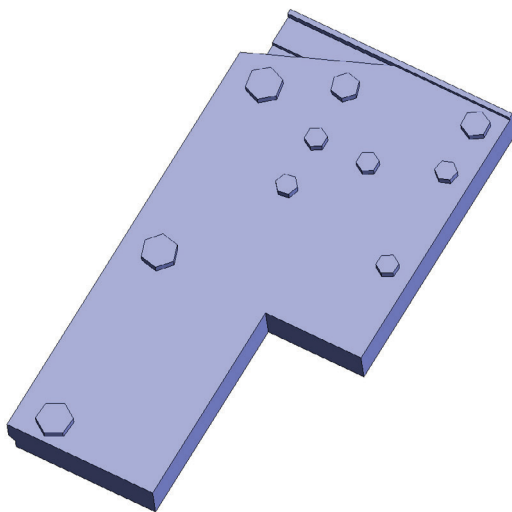
NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-55A\_NO\_BASE**.





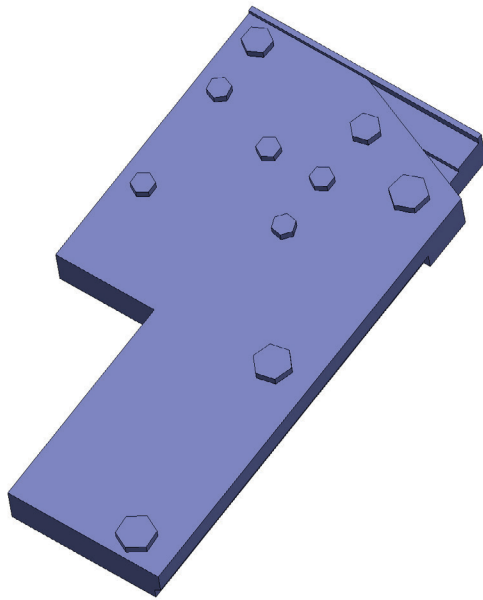
<b>PART Nr.:</b>	<b>02-55B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **02-55B\_NO\_BASE**.



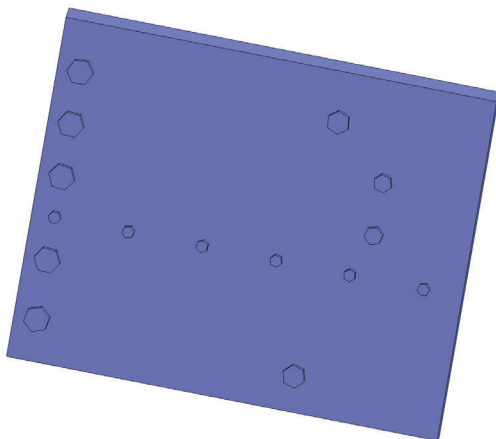
<b>PART Nr.:</b>	<b>02-55C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:



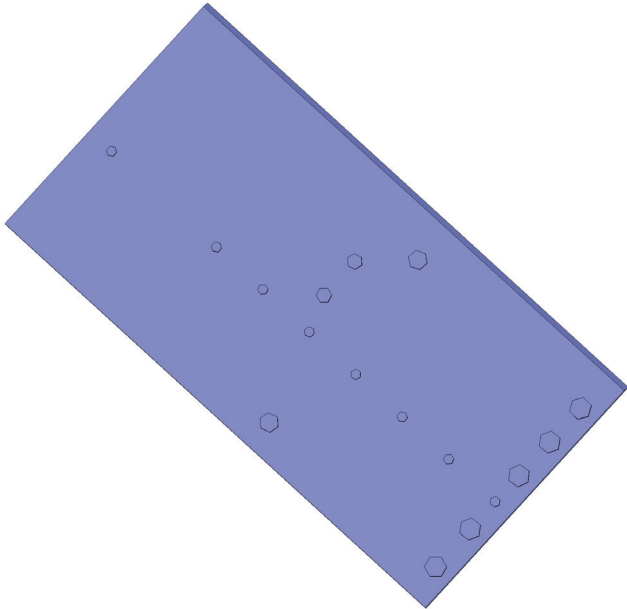
<b>PART Nr.:</b>	<b>02-55D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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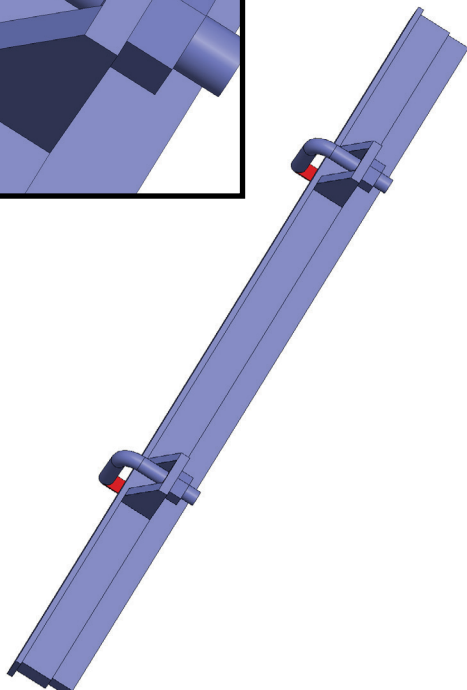
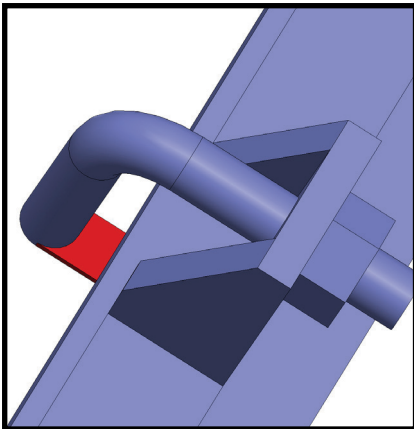
<b>PART Nr.:</b>	<b>02-55E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	If you have a big printer you can use part <b>02-55EF</b> instead of parts <b>02-55E</b> and <b>02-55F</b> .
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<b>PART Nr.:</b>	<b>02-55F</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **02-55EF** instead of parts **02-55E** and **02-55F**.

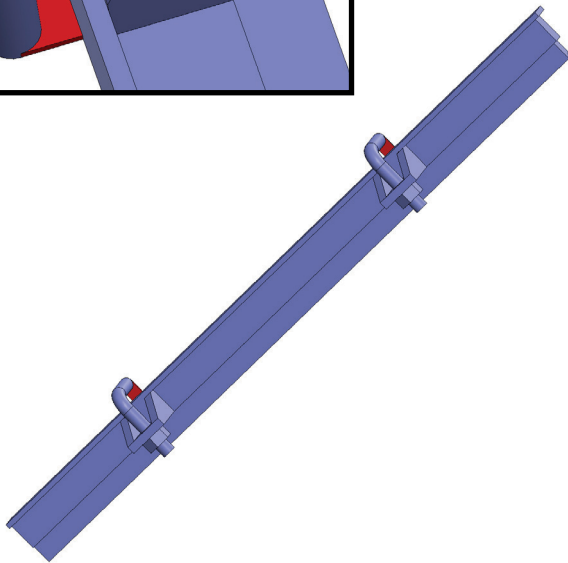
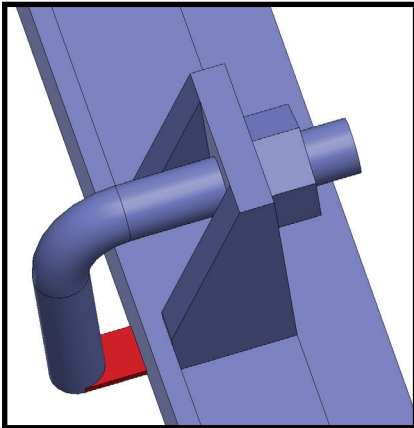


<b>PART Nr.:</b>	<b>02-55G</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.

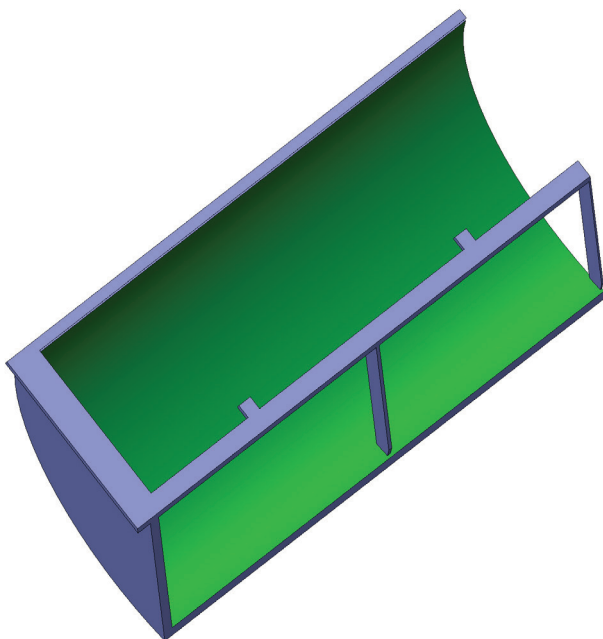
If you don't want to print screws, you can use the alternate part **02-55G\_ALT**.

If you have a big printer you can use part **02-55GH** instead of parts **02-55G** and **02-55H**.



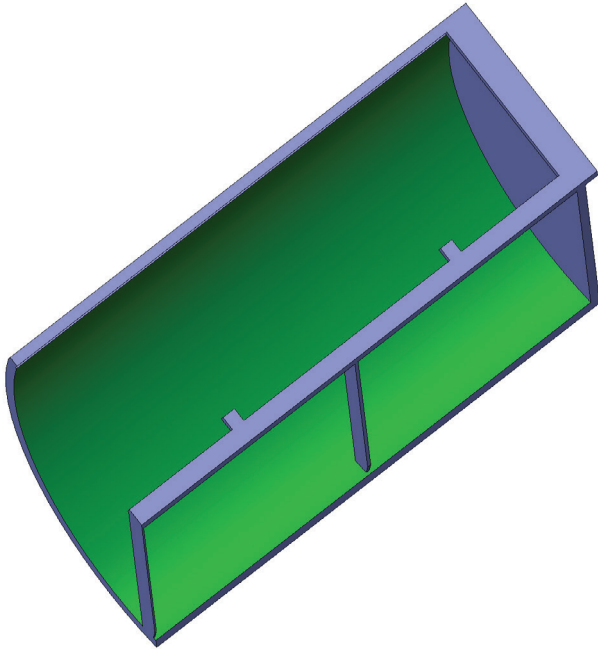
<b>PART Nr.:</b>	<b>02-55H</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you don't want to print screws, you can use the alternate part <b>02-55H_ALT</b>.</p> <p>If you have a big printer you can use part <b>02-55GH</b> instead of parts <b>02-55G</b> and <b>02-55H</b>.</p>
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<b>PART Nr.:</b>	<b>02-55I</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Apply the support to areas marked in green.</p> <p>If you have a big printer you can use part <b>02-55IJ</b> instead of parts <b>02-55I</b> and <b>02-55J</b>.</p> <p>You can use the alternate, simpler part <b>02-55I_ALT</b>.</p>
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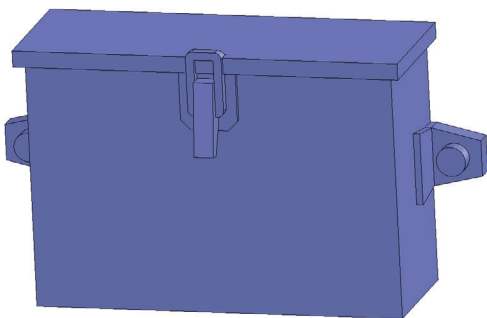
<b>PART Nr.:</b>	<b>02-55J</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25%
PERIMETERS:	3

NOTES:

Apply the support to areas marked in green.

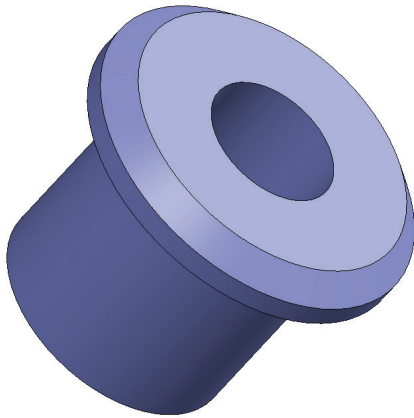
If you have a big printer you can use part **02-55IJ** instead of parts **02-55I** and **02-55J**.

You can use the alternate, simpler part **02-55J\_ALT**.



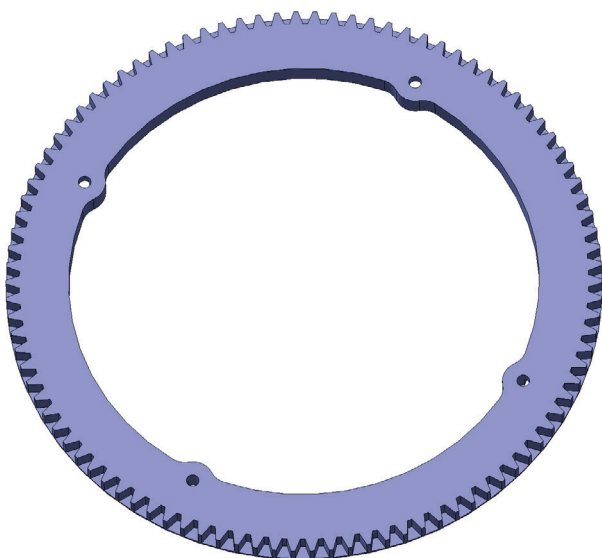
<b>PART Nr.:</b>	<b>02-55K</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES:



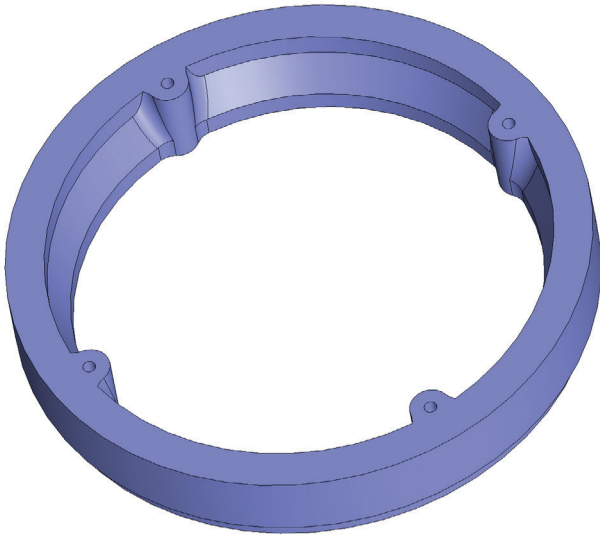
<b>PART Nr.:</b>	<b>02-56</b>
AMOUNT:	4x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	30-40%
PERIMETERS:	3

NOTES:	
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<b>PART Nr.:</b>	<b>02-57A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	25 - 30%
PERIMETERS:	3

NOTES:	<p>Drill the screw holes with a 4-4.5mm drill bit.</p> <p>You can use alternative parts <b>02-57A_alt</b> of different types for use with 4 different slip rings (SR).</p> <p><b>02-57A_alt_SR_HL</b> - H-L/Torro/Mato SR  <b>02-57A_alt_SR_12.5</b> - for 12,5mm SR  <b>02-57A_alt_SR_15.5</b> - for 15,5mm SR  <b>02-57A_alt_SR_22</b> - for 22mm SR</p>
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<b>PART Nr.:</b>	<b>02-57B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	3

**NOTES:**

Drill the screw holes with a 4-4.5mm drill bit.

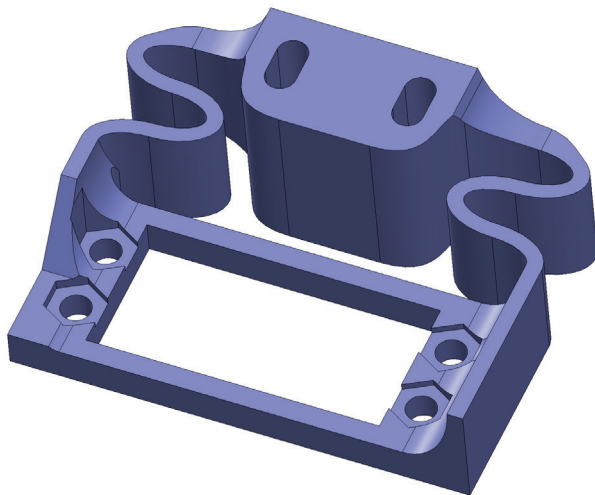
You can use the alternative part **02-57B\_HI\_POLY** with more polygons.



<b>PART Nr.:</b>	<b>02-58</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	3

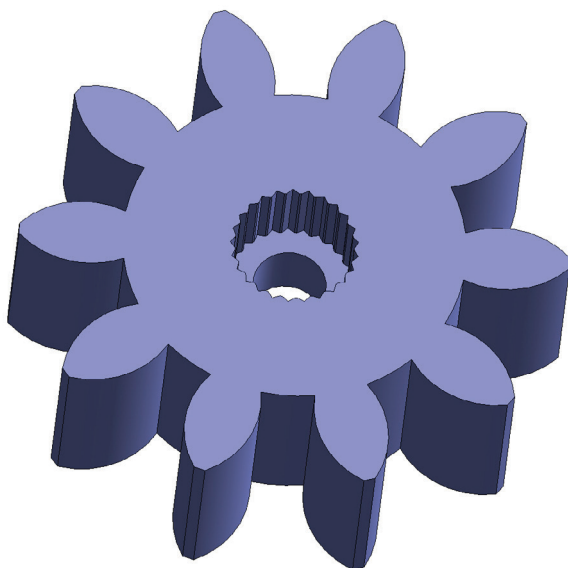
**NOTES:**

Drill the screw holes with a 4-4.5mm drill bit.



<b>PART Nr.:</b>	<b>02-59A_SERVO</b>
AMOUNT:	1x
MATERIAL:	PET(G)
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	30 - 35%
PERIMETERS:	4

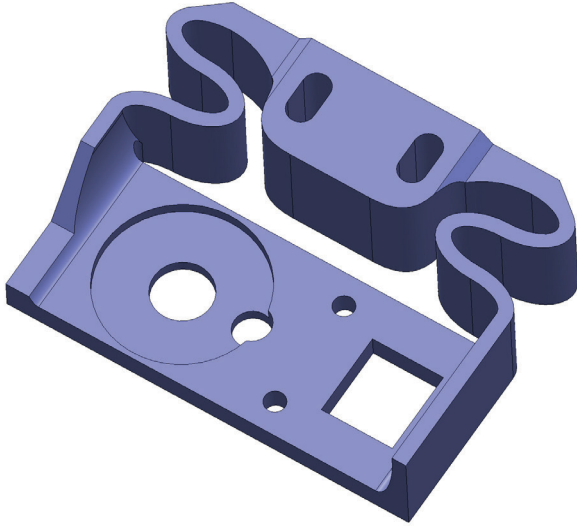
NOTES: Choose part **02-59A\_SERVO** or **02-59A\_TT** according to the motor used.



<b>PART Nr.:</b>	<b>02-59B_SERVO</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3 - 4

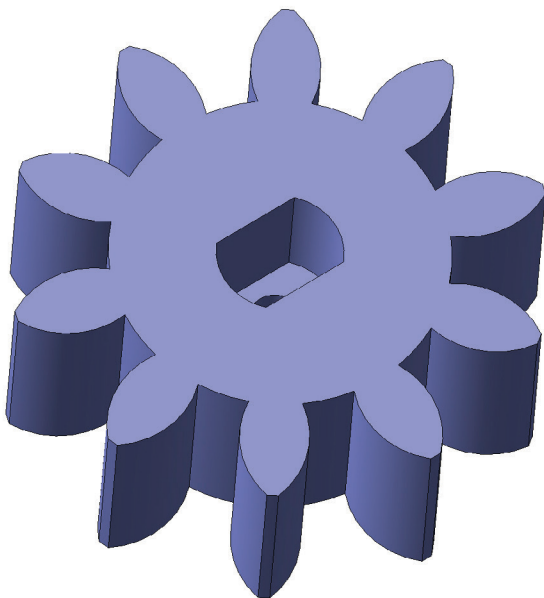
NOTES: Drill the screw holes with a 3-3.5mm drill bit.  
Choose part **02-59B\_SERVO** or **02-59B\_TT** according to the motor used.





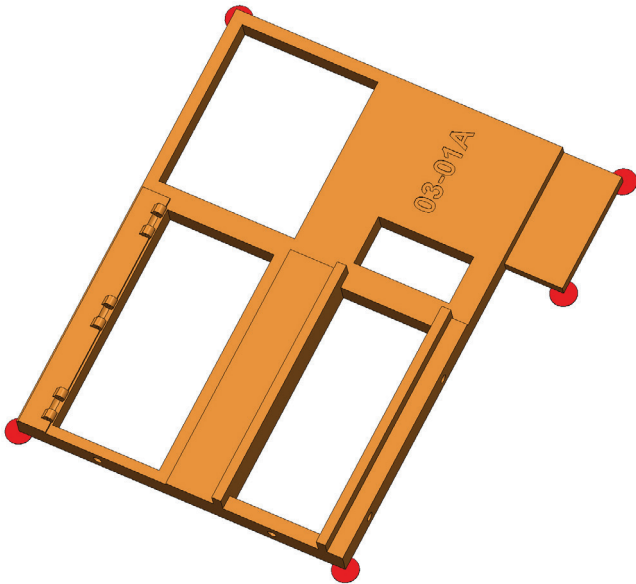
<b>PART Nr.:</b>	<b>02-59A_TT</b>
AMOUNT:	1x
MATERIAL:	PET(G)
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	30 - 35%
PERIMETERS:	4

NOTES: Choose part **02-59A\_SERVO** or **02-59A\_TT** according to the motor used.



<b>PART Nr.:</b>	<b>02-59B_TT</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3 - 4

NOTES: Drill the screw holes with a 2-2.5mm drill bit.  
Choose part **02-59B\_SERVO** or **02-59B\_TT** according to the motor used.



<b>PART Nr.:</b>	<b>03-01A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>03-01A_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>03-01AB</b> instead of parts <b>03-01A</b> and <b>03-01B</b>.</p>
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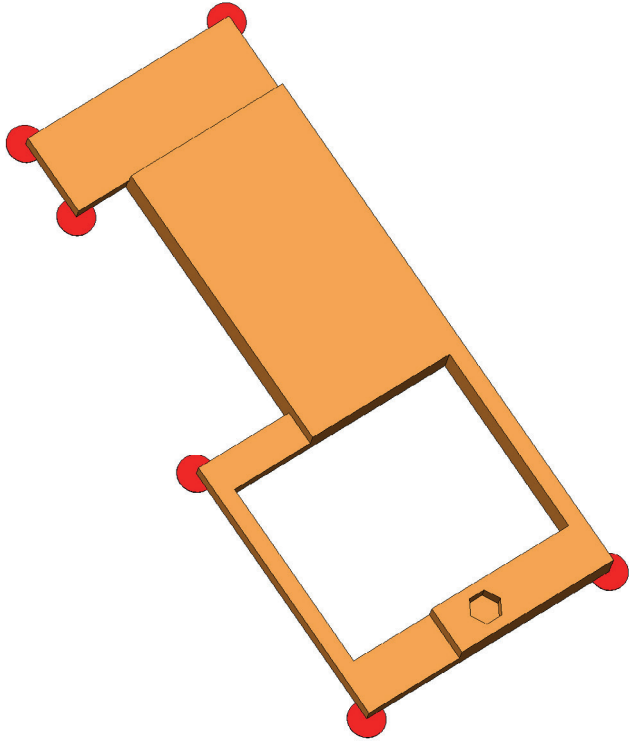


<b>PART Nr.:</b>	<b>03-01B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>03-01B_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>03-01AB</b> instead of parts <b>03-01A</b> and <b>03-01B</b>.</p>
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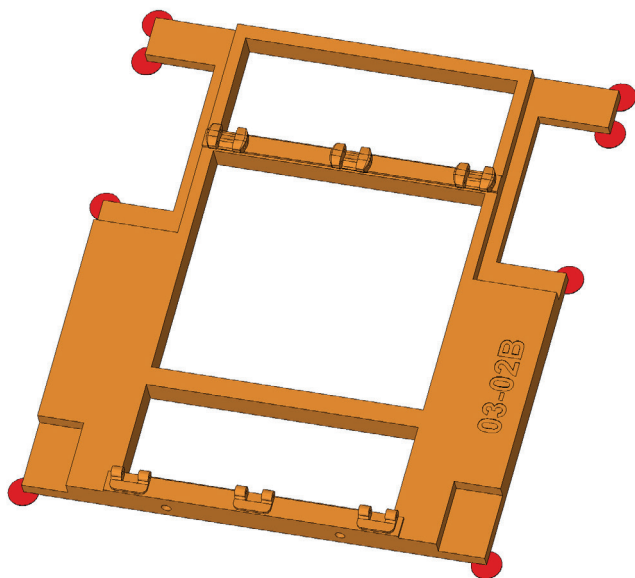
# Cromwell Mk.IV

## Printing guide



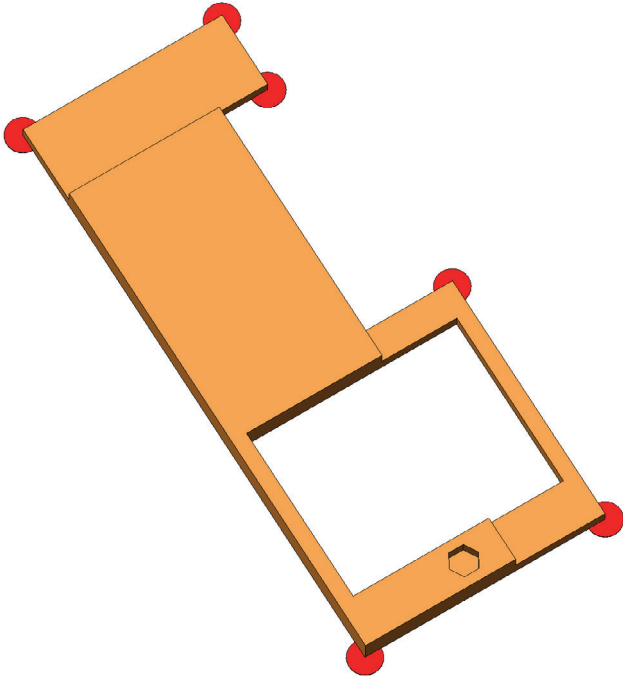
<b>PART Nr.:</b>	<b>03-02A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **03-02A\_NO\_BASE**.



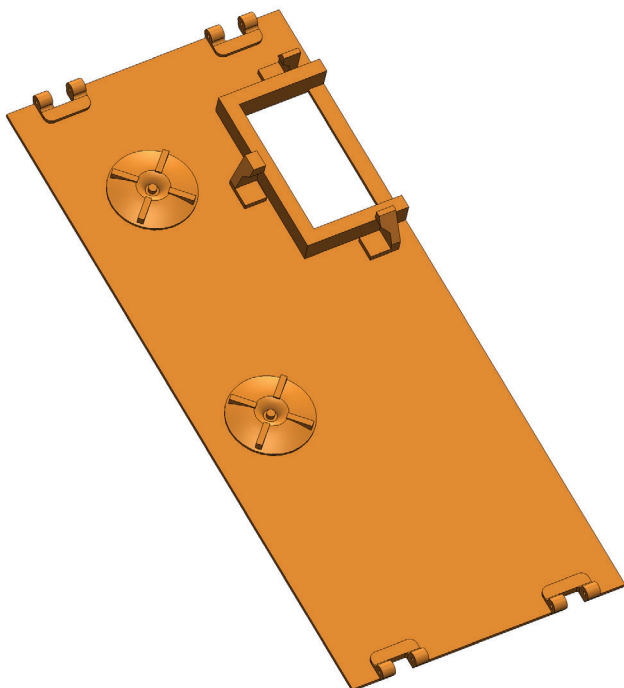
<b>PART Nr.:</b>	<b>03-02B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **03-02B\_NO\_BASE**.



<b>PART Nr.:</b>	<b>03-02C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,16 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>03-02C_NO_BASE</b>.</p>
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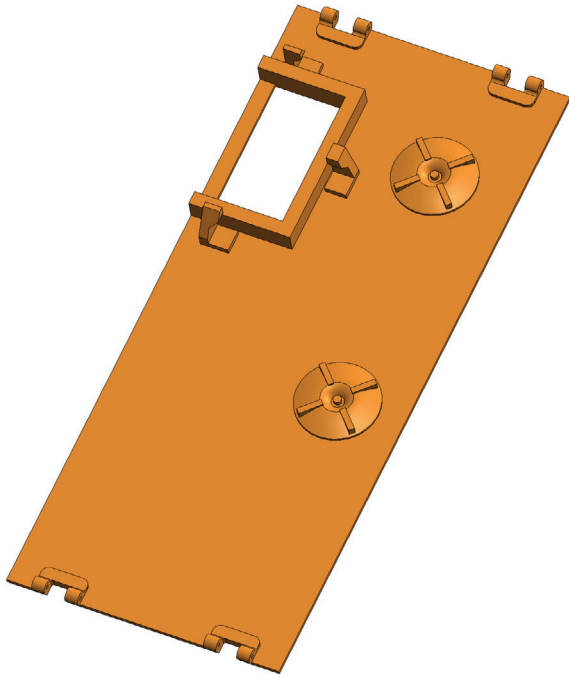


<b>PART Nr.:</b>	<b>03-03</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	
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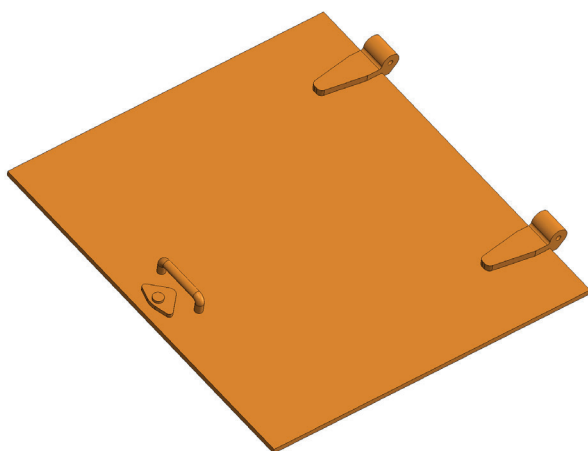
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>03-04</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

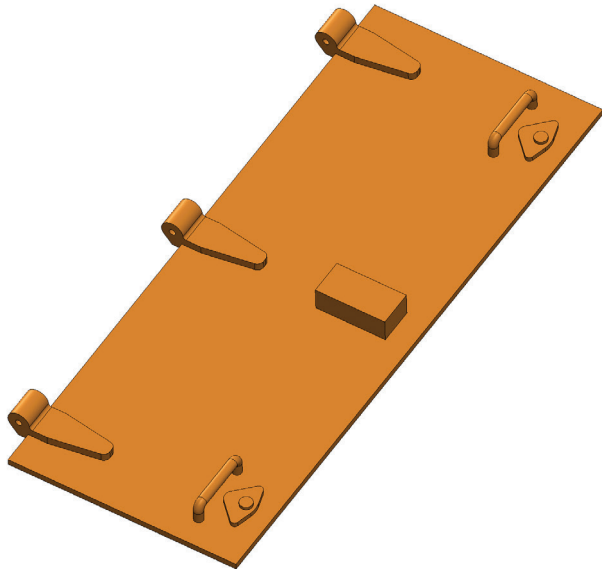
NOTES:



<b>PART Nr.:</b>	<b>03-05</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

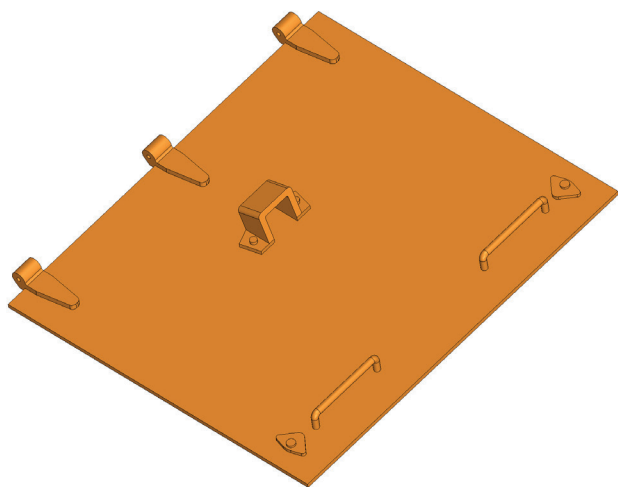
NOTES:

If you don't want to print handles, you can use the alternate part **03-05\_NO\_HANDLES**.



<b>PART Nr.:</b>	<b>03-06</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you don't want to print handles, you can use the alternate part **03-06\_NO\_HANDLES**.

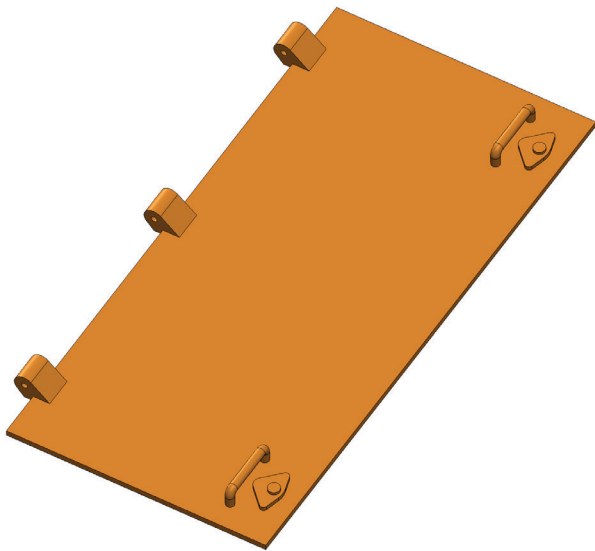


<b>PART Nr.:</b>	<b>03-07</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you don't want to print handles, you can use the alternate part **03-07\_NO\_HANDLES**.

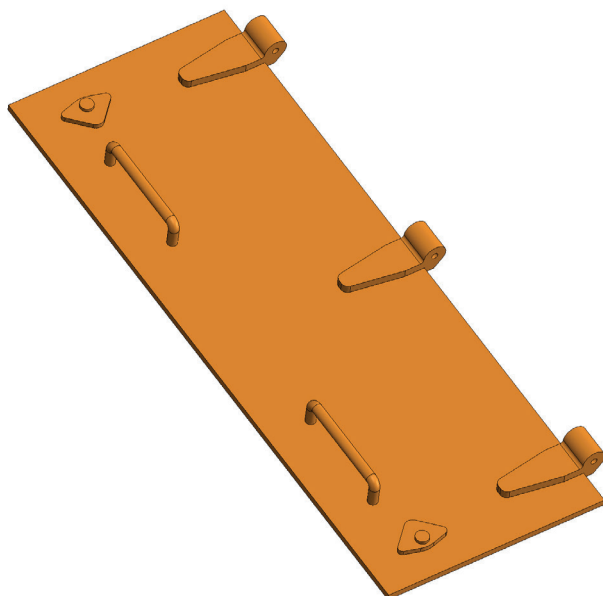
# Cromwell Mk.IV

## Printing guide



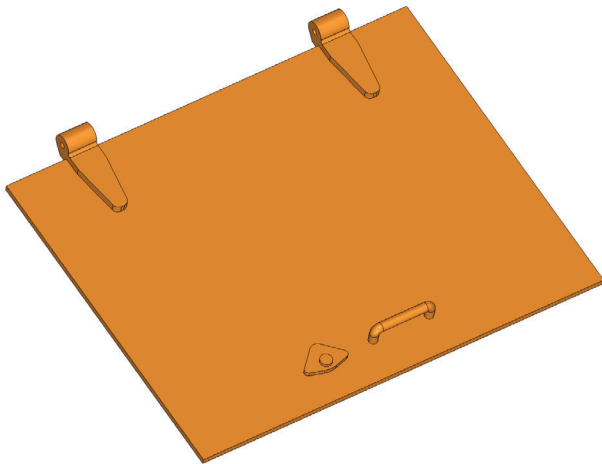
<b>PART Nr.:</b>	<b>03-08</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you don't want to print handles, you can use the alternate part **03-08\_NO\_HANDLES**.



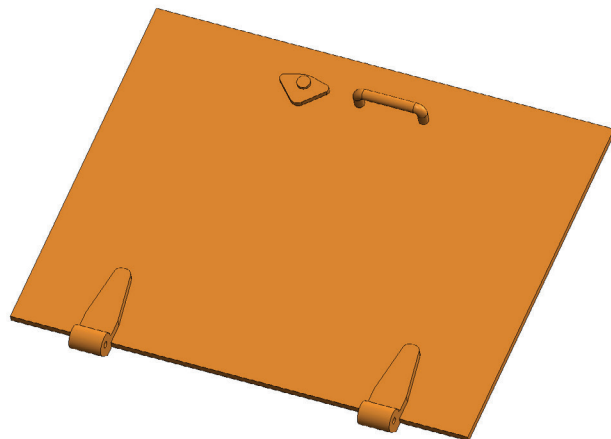
<b>PART Nr.:</b>	<b>03-09</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you don't want to print handles, you can use the alternate part **03-09\_NO\_HANDLES**.



<b>PART Nr.:</b>	<b>03-10</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

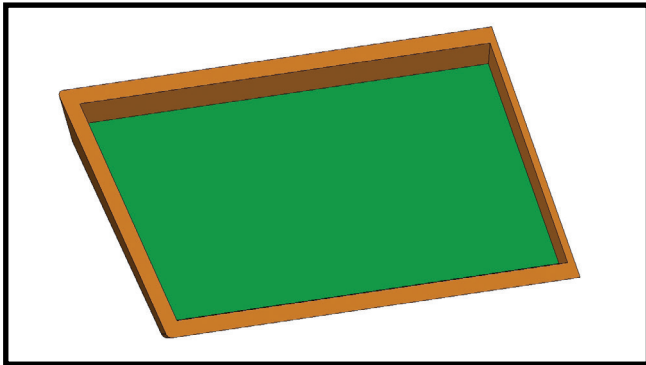
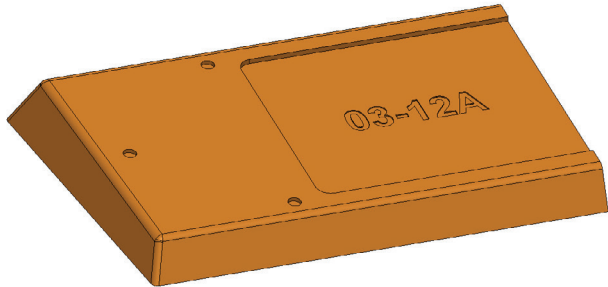
NOTES: If you don't want to print handles, you can use the alternate part **03-10\_NO\_HANDLES**.



<b>PART Nr.:</b>	<b>03-11</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you don't want to print handles, you can use the alternate part **03-11\_NO\_HANDLES**.



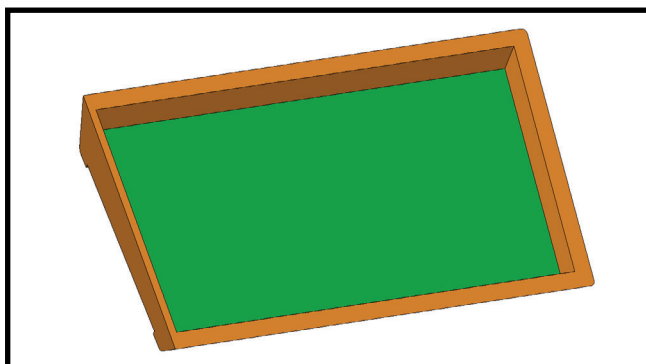
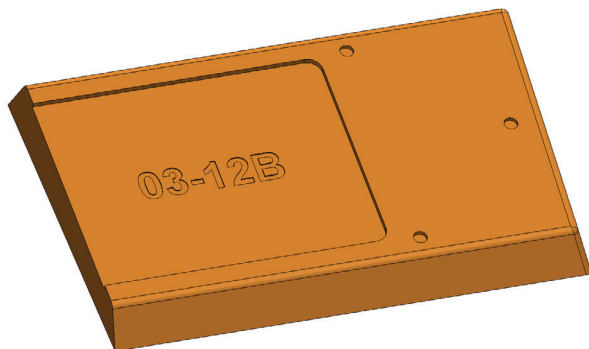


<b>PART Nr.:</b>	<b>03-12A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:

Apply the support to areas marked in green.

If you have a big printer you can use part **03-12AB** instead of parts **03-12A** and **03-12B**.



<b>PART Nr.:</b>	<b>03-12B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:

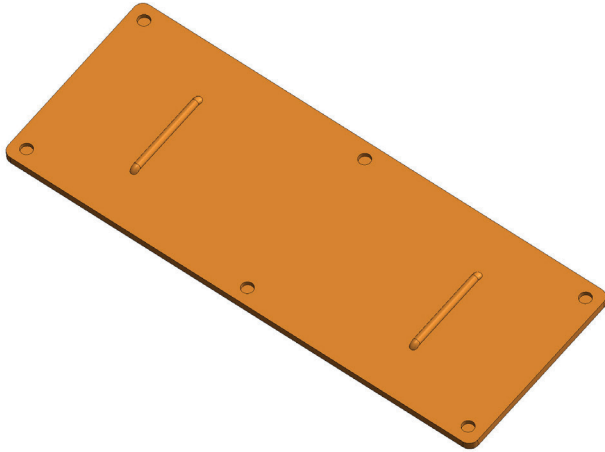
Apply the support to areas marked in green.

If you have a big printer you can use part **03-12AB** instead of parts **03-12A** and **03-12B**.

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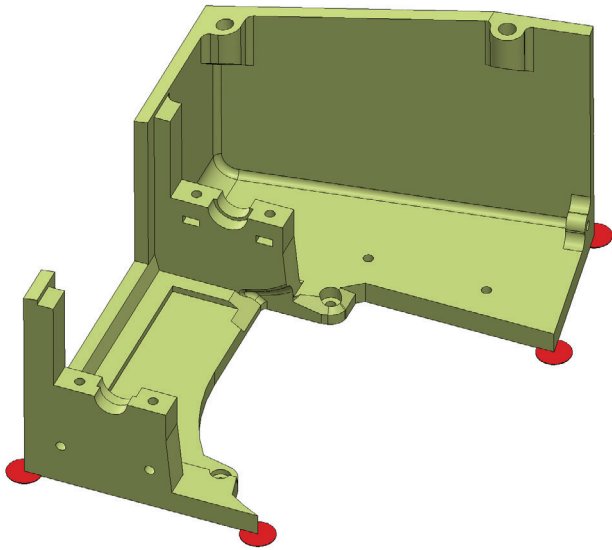


<b>PART Nr.:</b>	<b>03-12C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES:	
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# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>04-01A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

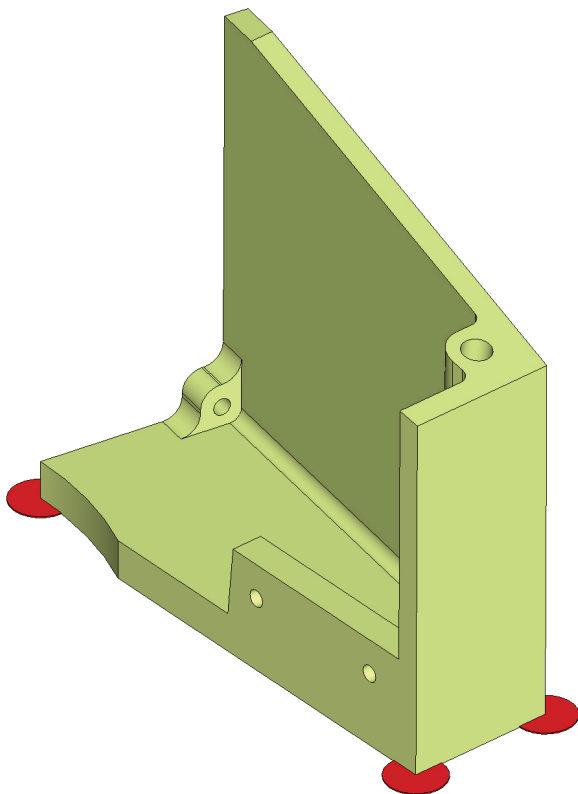
**NOTES:**

Drill the screw holes with a 4-4.5mm drill bit.

Cut off the auxiliary areas marked in red.

If you do not need the auxiliary areas, you can print an alternate part **04-01A\_NO\_BASE**.

If you have a big printer you can use part **04-01AB** or **04-01ABCD** instead of parts **04-01A** and **04-01B**.



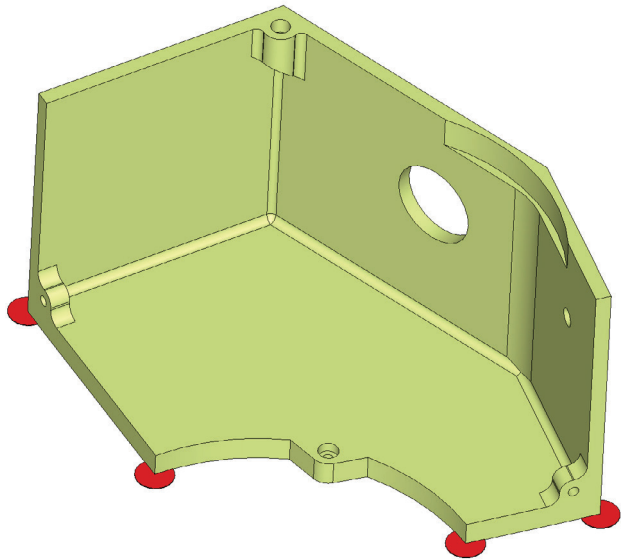
<b>PART Nr.:</b>	<b>04-01B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

**NOTES:**

Cut off the auxiliary areas marked in red.

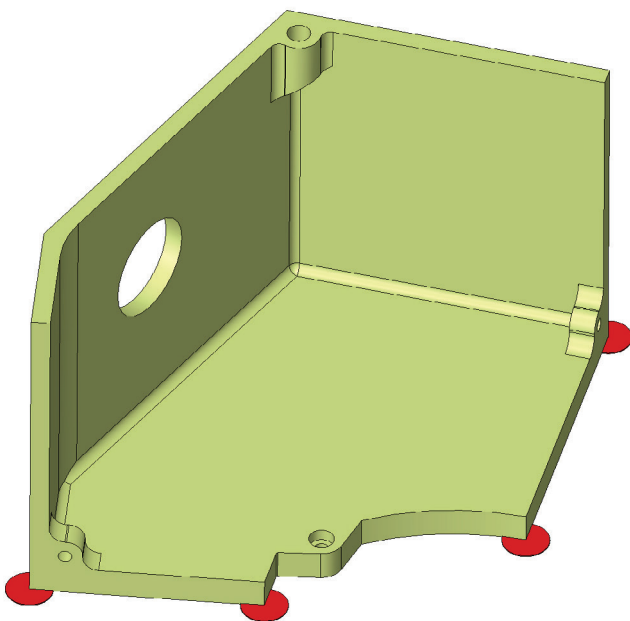
If you do not need the auxiliary areas, you can print an alternate part **04-01B\_NO\_BASE**.

If you have a big printer you can use part **04-01AB** or **04-01ABCD** instead of parts **04-01A** and **04-01B**.



<b>PART Nr.:</b>	<b>04-01C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>04-01C_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>04-01CD</b> or <b>04-01ABCD</b> instead of parts <b>04-01C</b> and <b>04-01D</b>.</p>
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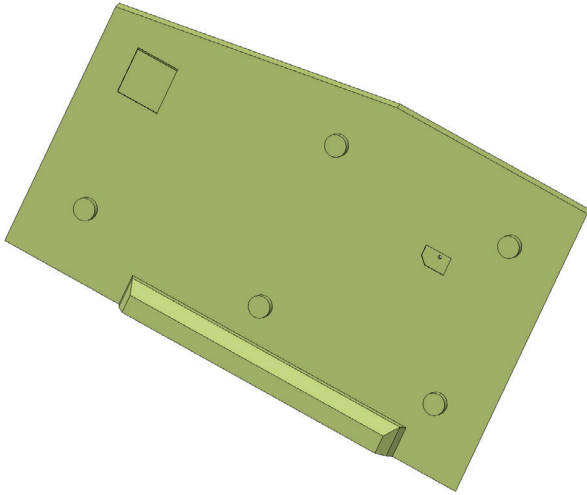


<b>PART Nr.:</b>	<b>04-01D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4 - 0,5mm
LAYER:	0,20 - 0,26mm
INFILL:	20 - 25%
PERIMETERS:	3

<b>NOTES:</b>	<p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>04-01D_NO_BASE</b>.</p> <p>If you have a big printer you can use part <b>04-01CD</b> or <b>04-01ABCD</b> instead of parts <b>04-01C</b> and <b>04-01D</b>.</p>
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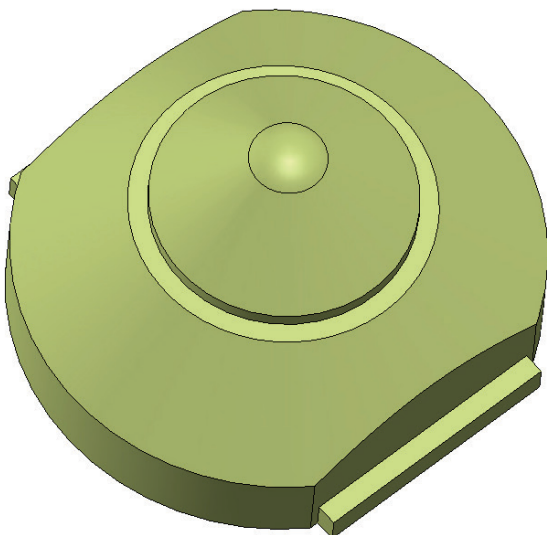
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## Printing guide



<b>PART Nr.:</b>	<b>04-02A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **04-02AB** or **04-02ABC**, but printing is more difficult.



<b>PART Nr.:</b>	<b>04-02B</b>
AMOUNT:	5x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: This part is designed primarily for resin printers.

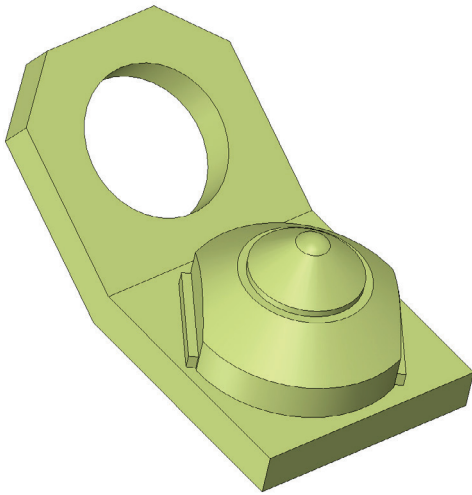
The part is identical to part 04-02B, 04-03B, 04-04B, 04-05B, 04-06B and 04-07B.

**You will need a total of 27 pieces of this part.**

# Cromwell Mk.IV

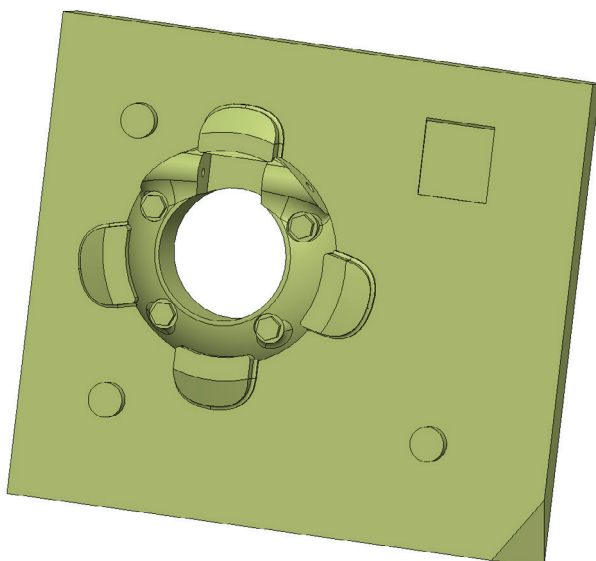
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<b>PART Nr.:</b>	<b>04-02C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 60%
PERIMETERS:	3

NOTES: You can use alternate parts **04-02ABC**.

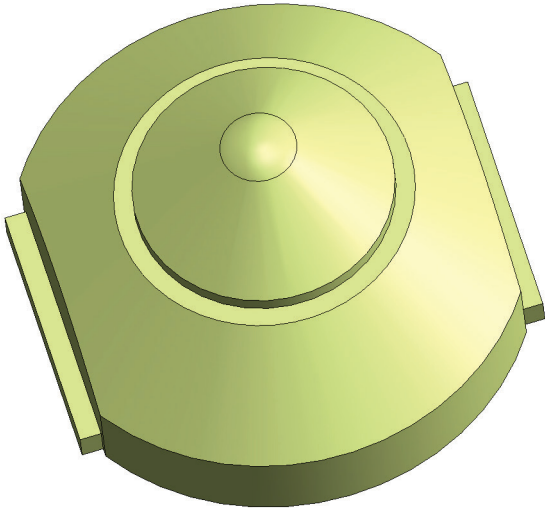


<b>PART Nr.:</b>	<b>04-03A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **04-03AB**, **04-03ABC** or **04-03ABCD** but printing is more difficult.

## Cromwell Mk.IV

### Printing guide

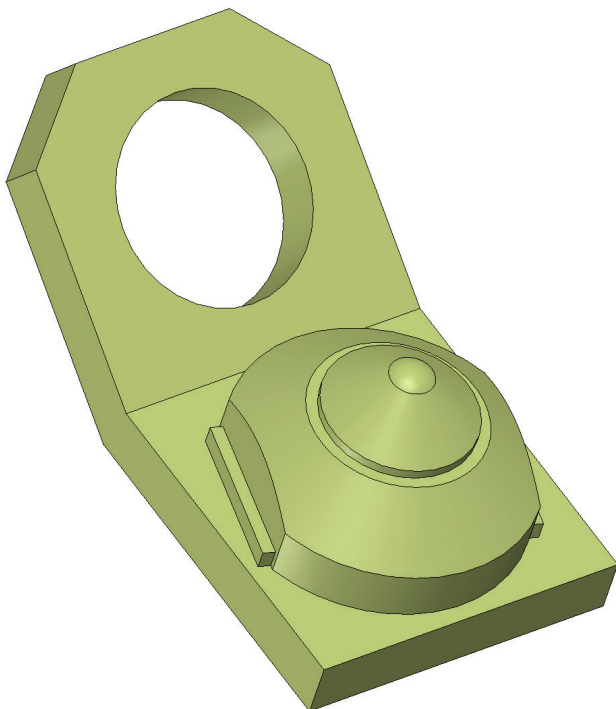


<b>PART Nr.:</b>	<b>04-03B</b>
AMOUNT:	3x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

**NOTES:** This part is designed primarily for resin printers.

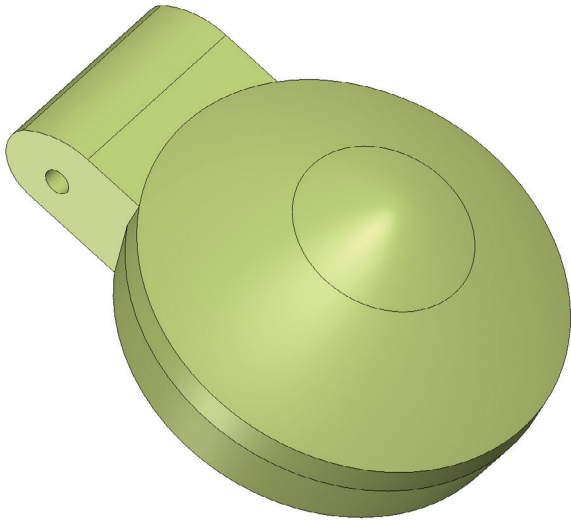
The part is identical to part 04-02B, 04-03B, 04-04B, 04-05B, 04-06B and 04-07B.

**You will need a total of 27 pieces of this part.**



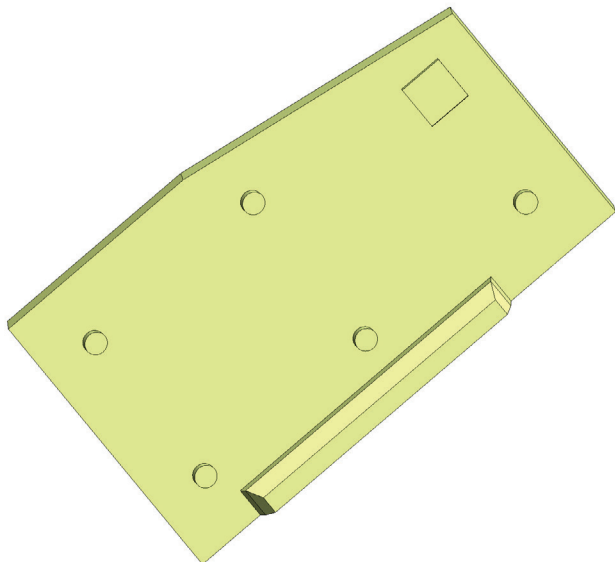
<b>PART Nr.:</b>	<b>04-03C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 60%
PERIMETERS:	3

**NOTES:** You can use alternate parts **04-03ABC** or **04-03ABCD**.



<b>PART Nr.:</b>	<b>04-03D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>You can use the alternative part <b>04-03D_HOLLOW</b> for resin printers.</p> <p>You can use alternate part <b>04-03ABCD</b>.</p> <p>The part is identical to part 04-05D.  <b>You will need a total of 2 pieces of this part.</b></p>
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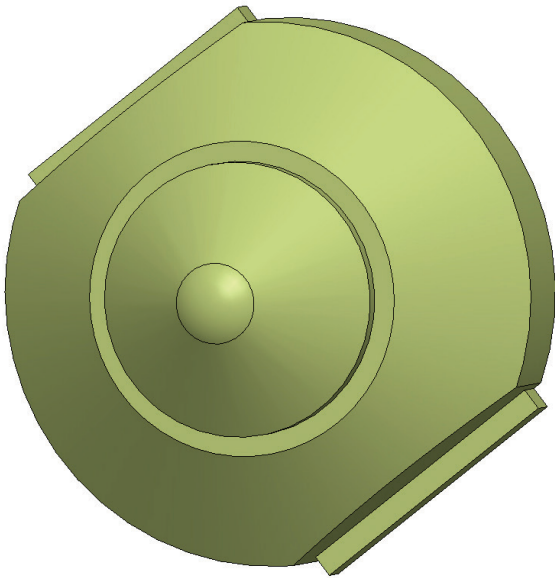
<b>PART Nr.:</b>	<b>04-04A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>You can use part <b>04-04AB</b> or <b>04-04ABC</b>, but printing is more difficult.</p>
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## Cromwell Mk.IV

### Printing guide

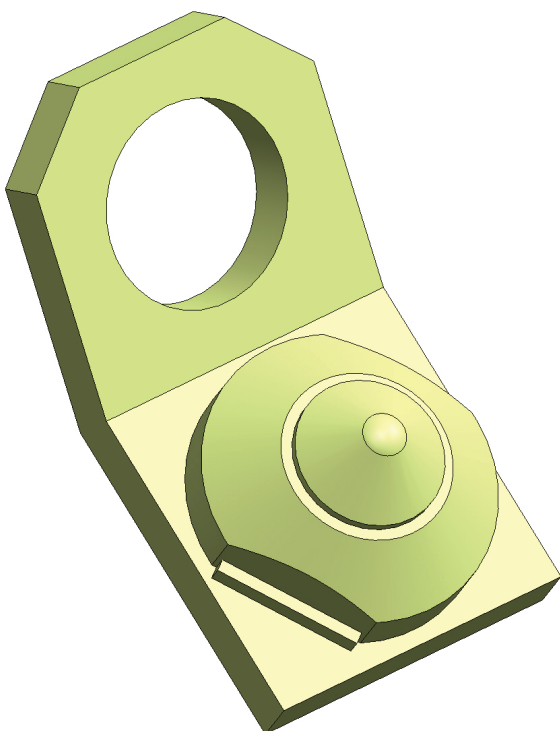


<b>PART Nr.:</b>	<b>04-04B</b>
AMOUNT:	5x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

**NOTES:** This part is designed primarily for resin printers.

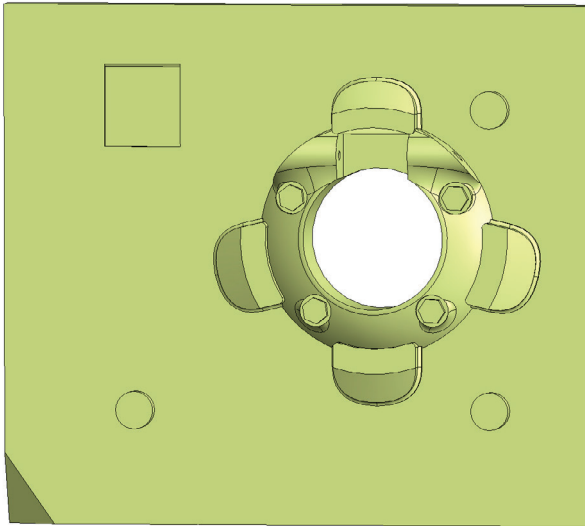
The part is identical to part 04-02B, 04-03B, 04-04B, 04-05B, 04-06B and 04-07B.

**You will need a total of 27 pieces of this part.**



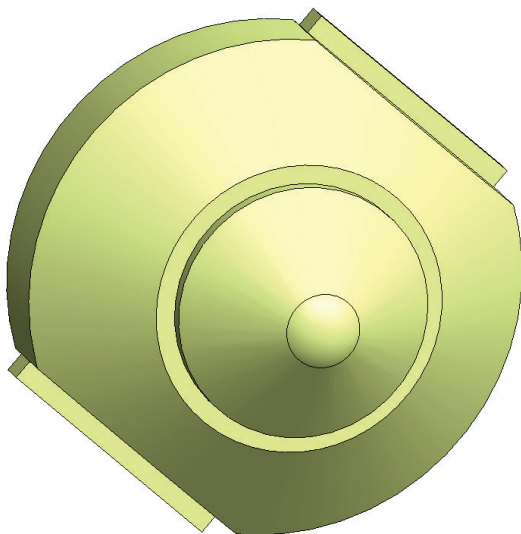
<b>PART Nr.:</b>	<b>04-04C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 60%
PERIMETERS:	3

**NOTES:** You can use alternate parts **04-04ABC**.



<b>PART Nr.:</b>	<b>04-05A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use part **04-05AB**, **04-05ABC** or **04-05ABCD** but printing is more difficult.

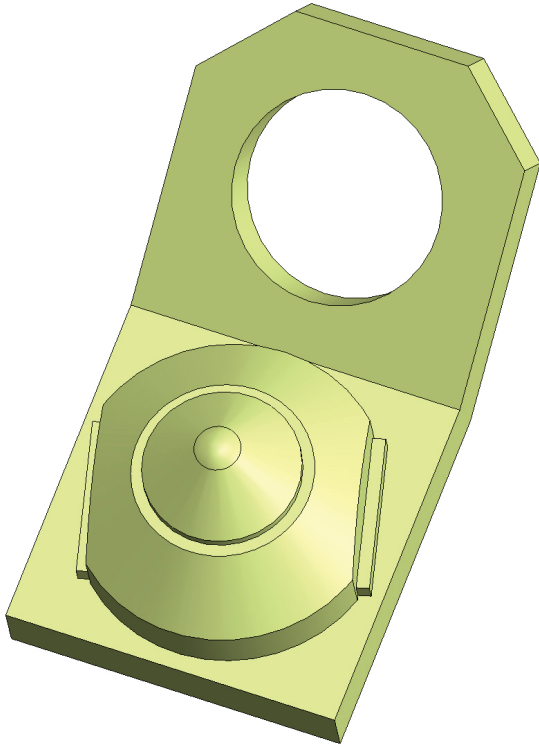


<b>PART Nr.:</b>	<b>04-05B</b>
AMOUNT:	3x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: This part is designed primarily for resin printers.  
The part is identical to part 04-02B, 04-03B, 04-04B, 04-05B, 04-06B and 04-07B.  
**You will need a total of 27 pieces of this part.**

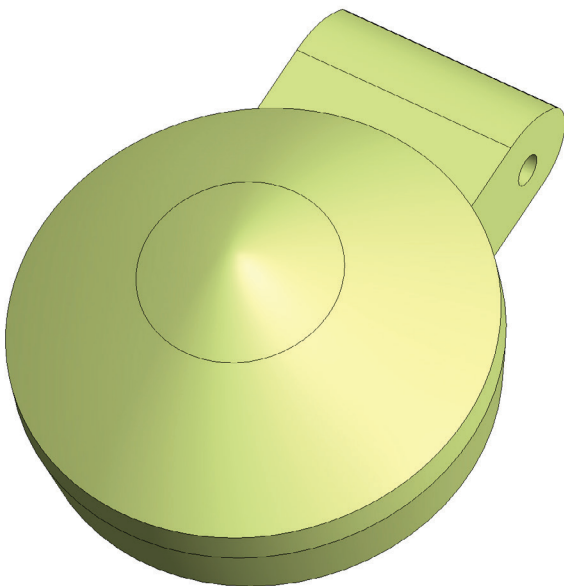
## Cromwell Mk.IV

### Printing guide



<b>PART Nr.:</b>	<b>04-05C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 60%
PERIMETERS:	3

NOTES: You can use alternate parts **04-05ABC** or **04-05ABCD**.

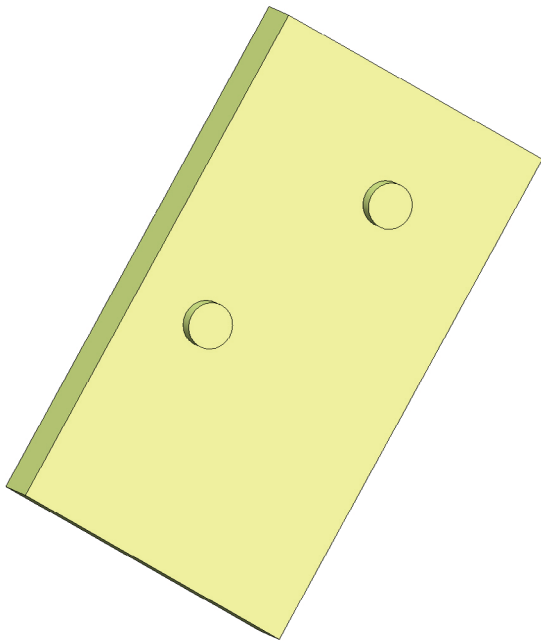


<b>PART Nr.:</b>	<b>04-05D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use the alternative part **04-05D\_HOLLOW** for resin printers.

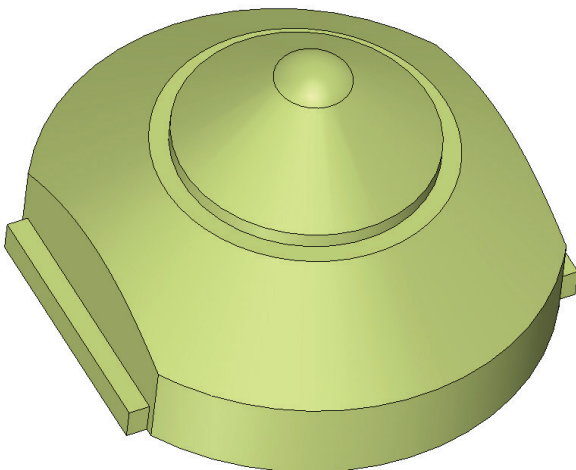
You can use alternate part **04-05ABCD**.

The part is identical to part 04-03D.  
**You will need a total of 2 pieces of this part.**



<b>PART Nr.:</b>	<b>04-06A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>If you have a big printer you can use part <b>04-06AC</b> instead of parts <b>04-06A</b> and <b>04-06C</b>.</p> <p>You can use part <b>04-06AB</b> or <b>04-06ABC</b> but printing is more difficult.</p>
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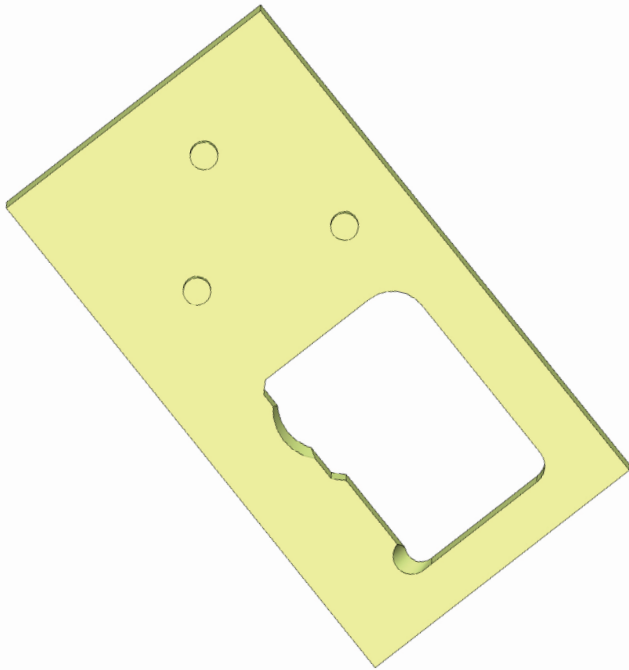


<b>PART Nr.:</b>	<b>04-06B</b>
AMOUNT:	5x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>This part is designed primarily for resin printers.</p> <p>The part is identical to part 04-02B, 04-03B, 04-04B, 04-05B, 04-06B and 04-07B.</p> <p><b>You will need a total of 27 pieces of this part.</b></p>
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## Cromwell Mk.IV

### Printing guide

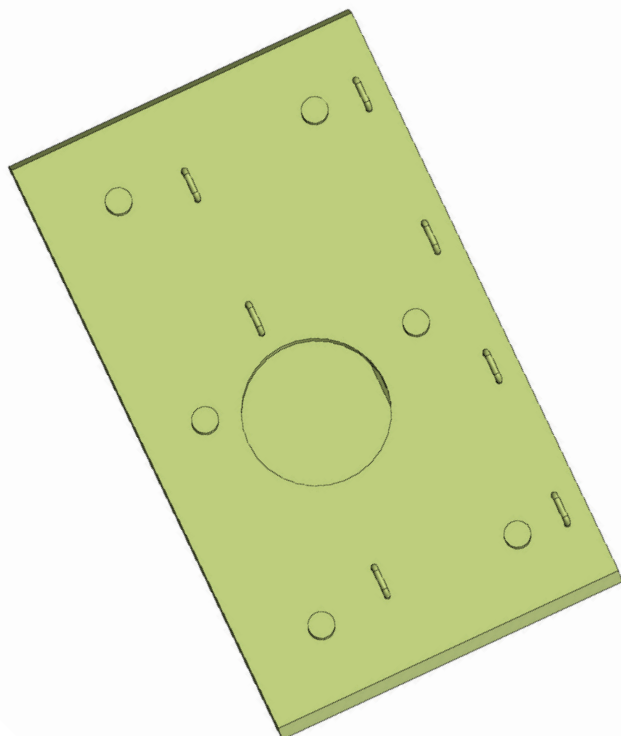


<b>PART Nr.:</b>	<b>04-06C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

**NOTES:**

If you have a big printer you can use part **04-06AC** instead of parts **04-06A** and **04-06C**.

You can use part **04-06BC** or **04-06ABC** but printing is more difficult.



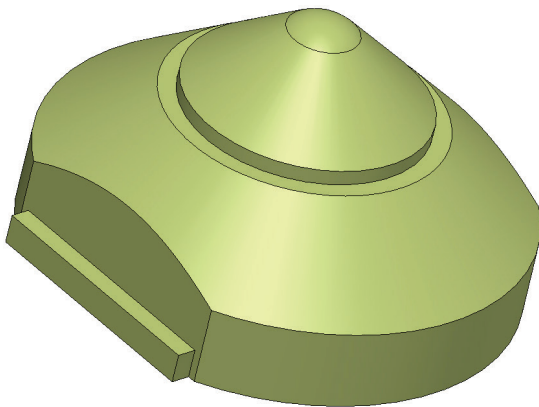
<b>PART Nr.:</b>	<b>04-07A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

**NOTES:**

You can use part **04-07AB** or **04-07ABC** but printing is more difficult.

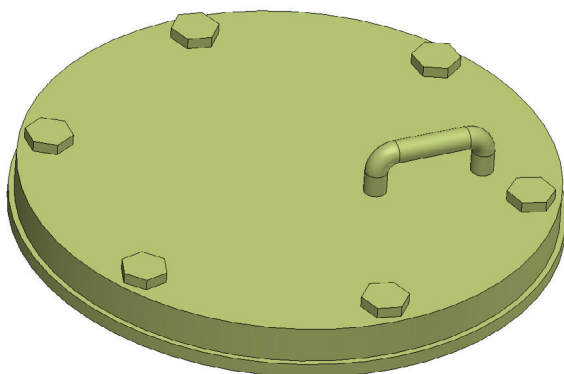
Part **04-07A\_NO\_HANDLES** is also available in case you want to use metal (brass) handles.

If you do not want any handles at all, use part **04-07A\_alt**.



<b>PART Nr.:</b>	<b>04-07B</b>
AMOUNT:	6x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>This part is designed primarily for resin printers.</p> <p>The part is identical to part 04-02B, 04-03B, 04-04B, 04-05B, 04-06B and 04-07B.</p> <p><b>You will need a total of 27 pieces of this part.</b></p>
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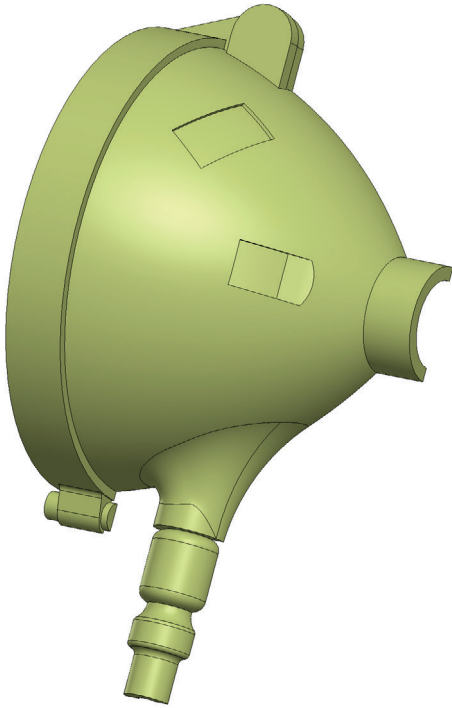


<b>PART Nr.:</b>	<b>04-07C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	3

<b>NOTES:</b>	<p>You can use part <b>04-07AC</b> or <b>04-07ABC</b> but printing is more difficult.</p> <p>Part <b>04-07C_NO_HANDLES</b> is also available in case you want to use metal (brass) handles.</p> <p>If you do not want any handles at all, use part <b>04-07C_alt</b>.</p>
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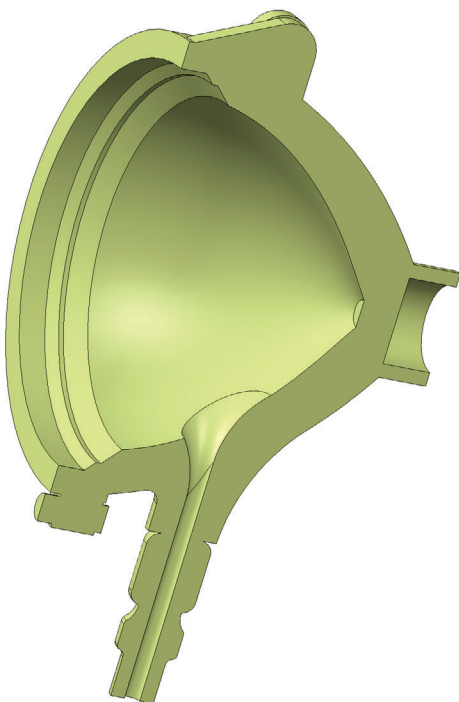
## Cromwell Mk.IV

### Printing guide



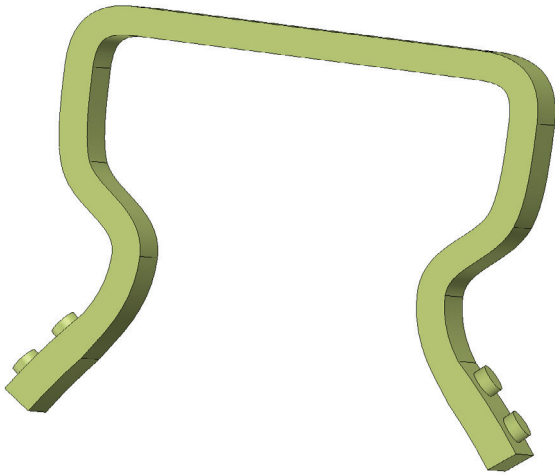
<b>PART Nr.:</b>	<b>04-08A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	RECOMMENDED
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: You can use part **04-08ABCD** for printing with the resin printers (recommended).



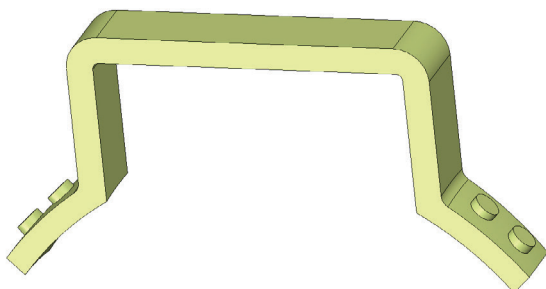
<b>PART Nr.:</b>	<b>04-08B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	RECOMMENDED
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: You can use part **04-08ABCD** for printing with the resin printers (recommended).



<b>PART Nr.:</b>	<b>04-08C</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	3 - 4

NOTES: You can use part **04-08ABCD** for printing with the resin printers (recommended).



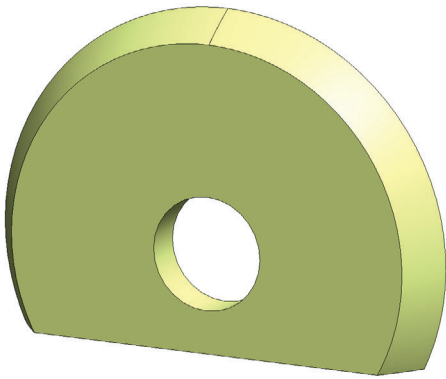
<b>PART Nr.:</b>	<b>04-08D</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	3 - 4

NOTES: You can use part **04-08ABCD** for printing with the resin printers (recommended).



## Cromwell Mk.IV

### Printing guide



<b>PART Nr.:</b>	<b>04-08E</b>
AMOUNT:	1x
MATERIAL:	PMMA, transparent filament or resin
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	5 - 100%
PERIMETERS:	1 - 3

**NOTES:** We recommend printing with transparent material for a better headlight appearance, but you can also make it with normal material.



<b>PART Nr.:</b>	<b>04-08F</b>
AMOUNT:	1x
MATERIAL:	PMMA, transparent filament or resin
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	5 - 100%
PERIMETERS:	1 - 3

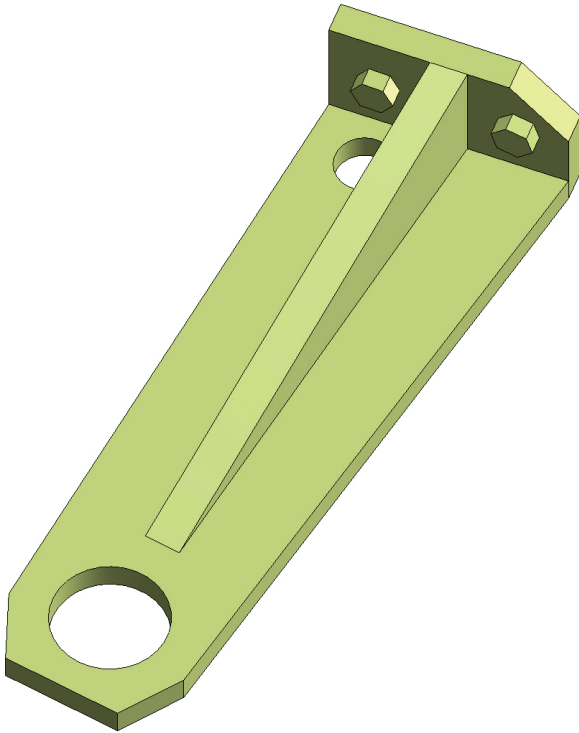
**NOTES:** We recommend printing with transparent material for a better headlight appearance, but you can also make it with normal material.

Check out our forum for exact print settings to achieve a realistic lens look.

# Cromwell Mk.IV

## Printing guide

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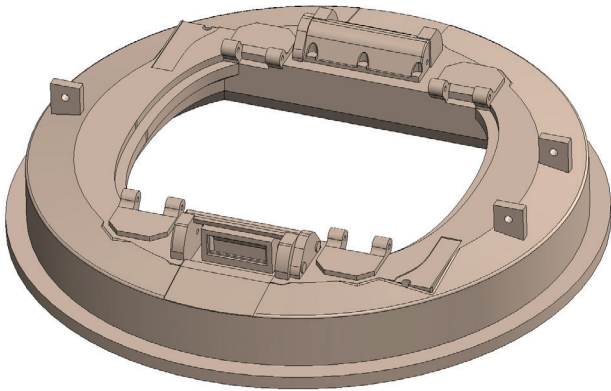


<b>PART Nr.:</b>	<b>04-09</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 60%
PERIMETERS:	3

NOTES:	
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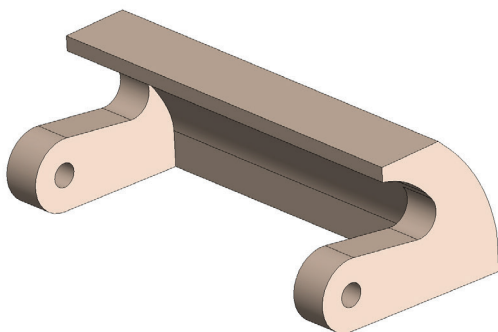
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>05-01A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20%
PERIMETERS:	3

NOTES: You can use simplified versions  
**05-01AB, 05-01ABCE**



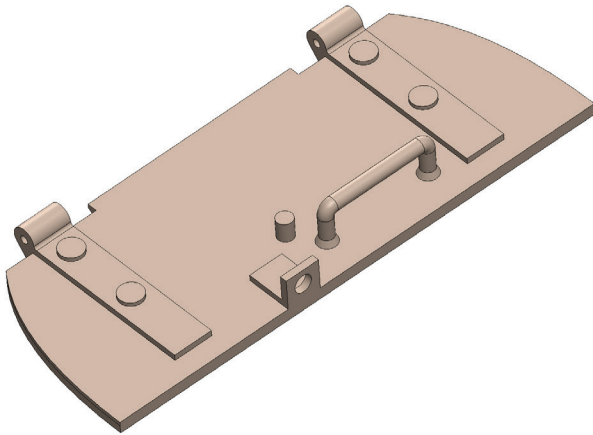
<b>PART Nr.:</b>	<b>05-01B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	4 - 5

NOTES:

# Cromwell Mk.IV

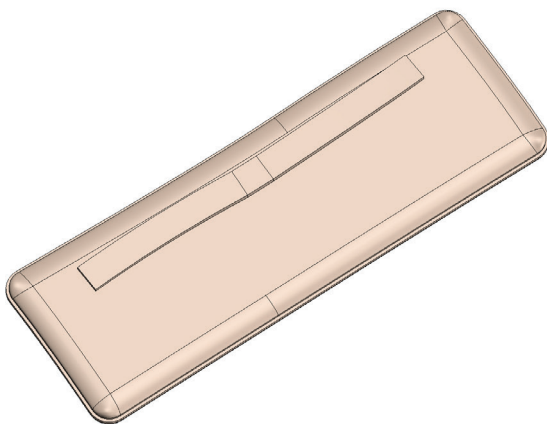
## Printing guide

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<b>PART Nr.:</b>	<b>05-01C</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES: If you don't want to print handles, you can use the alternate part **05-01C\_NO\_HANDLES**.

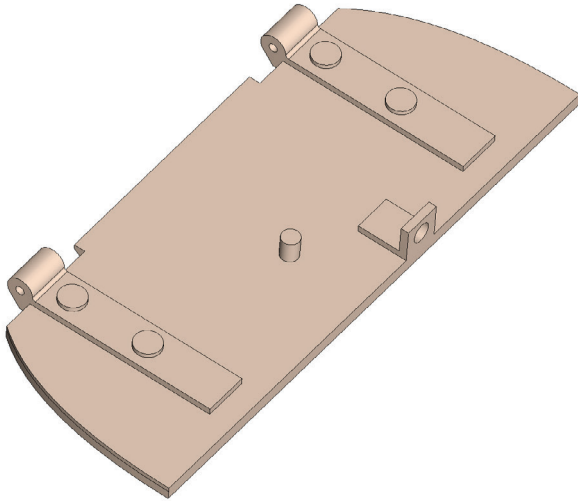


<b>PART Nr.:</b>	<b>05-01D</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:

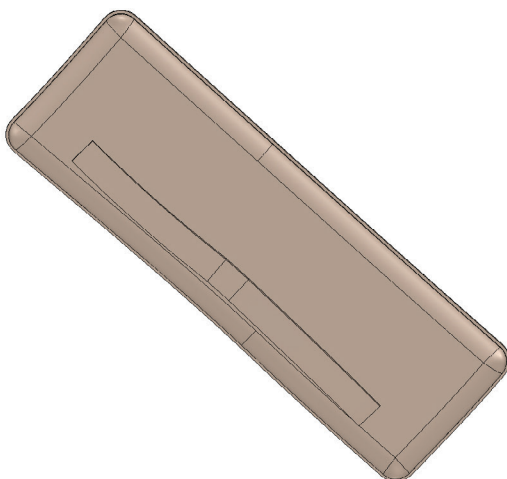
## Cromwell Mk.IV

### Printing guide



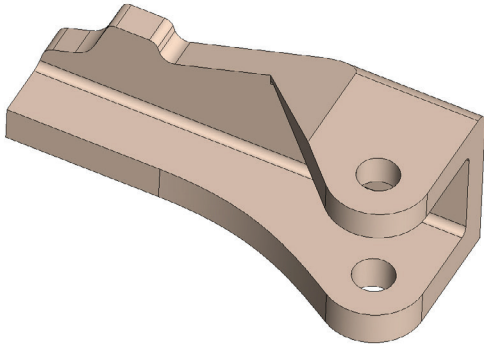
<b>PART Nr.:</b>	<b>05-01E</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES:



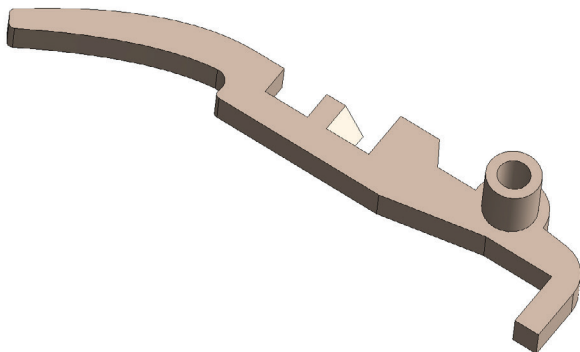
<b>PART Nr.:</b>	<b>05-01F</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:



<b>PART Nr.:</b>	<b>05-01G</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Drill the screw hole with a 2mm drill bit.

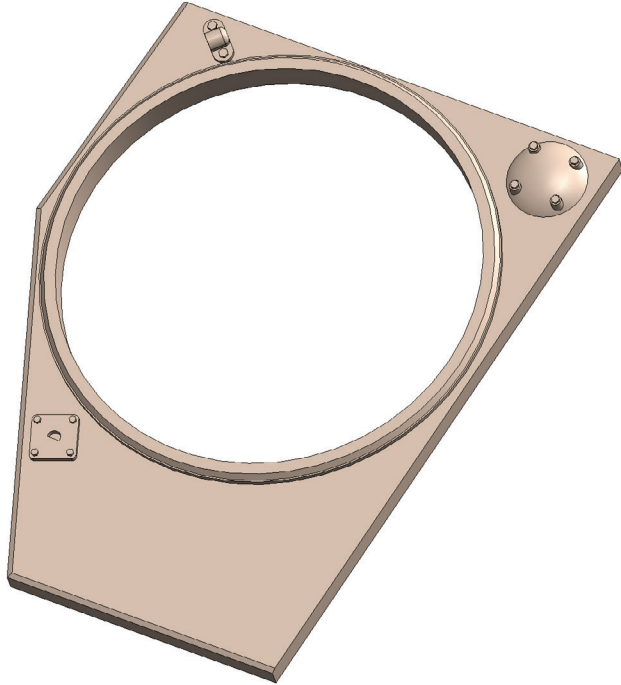


<b>PART Nr.:</b>	<b>05-01H</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Drill the screw hole with a 2mm drill bit.

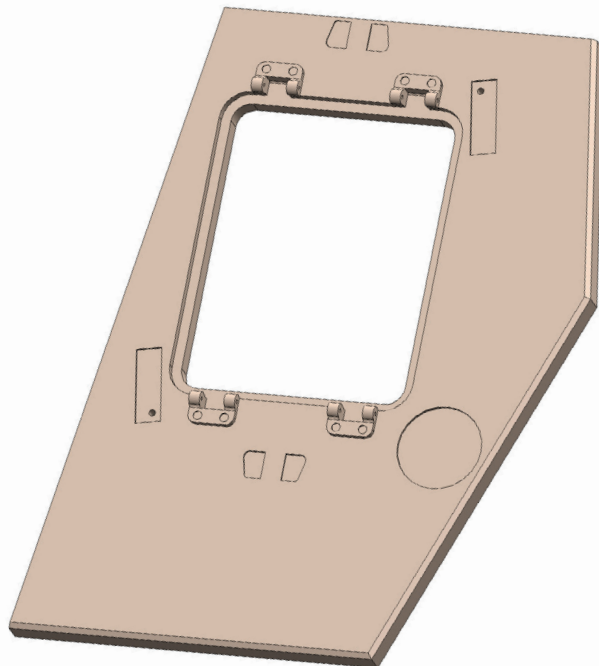
# Cromwell Mk.IV

## Printing guide



<b>PART Nr.:</b>	<b>05-02A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

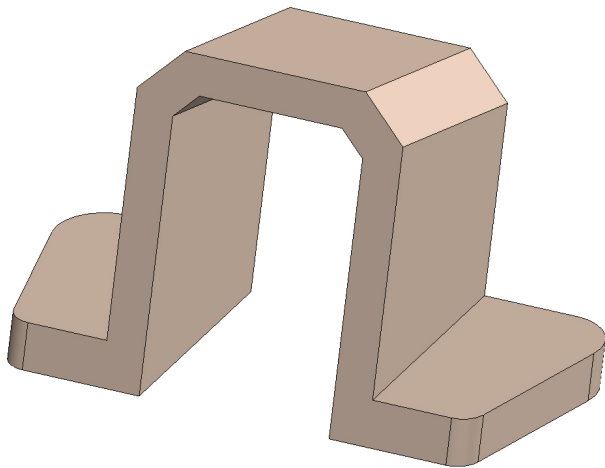
NOTES: If you have a big printer you can use part **05-02AB** instead of parts **05-02A** and **05-02B**.



<b>PART Nr.:</b>	<b>05-02B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

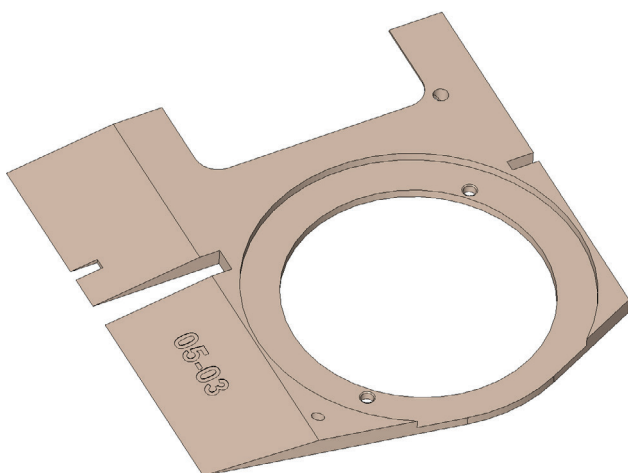
NOTES: If you have a big printer you can use part **05-02AB** instead of parts **05-02A** and **05-02B**.

You can use part **05-02ABC** but the printing may be more difficult and the result of lower quality.



<b>PART Nr.:</b>	<b>05-02C</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	3 - 4

NOTES:	
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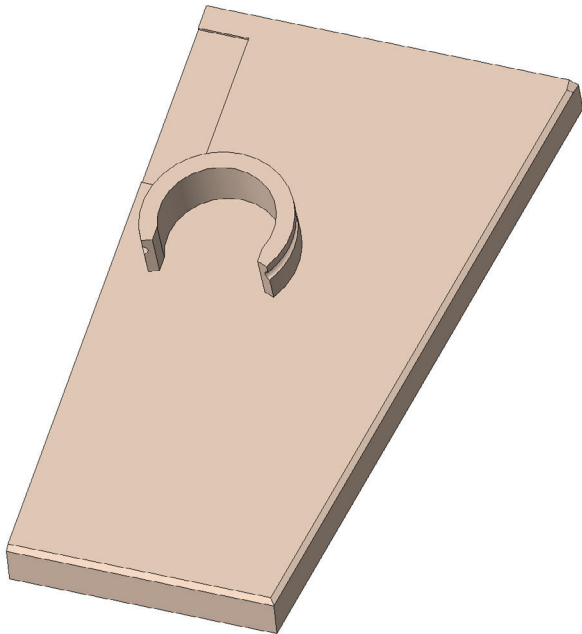
<b>PART Nr.:</b>	<b>05-03</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES:	
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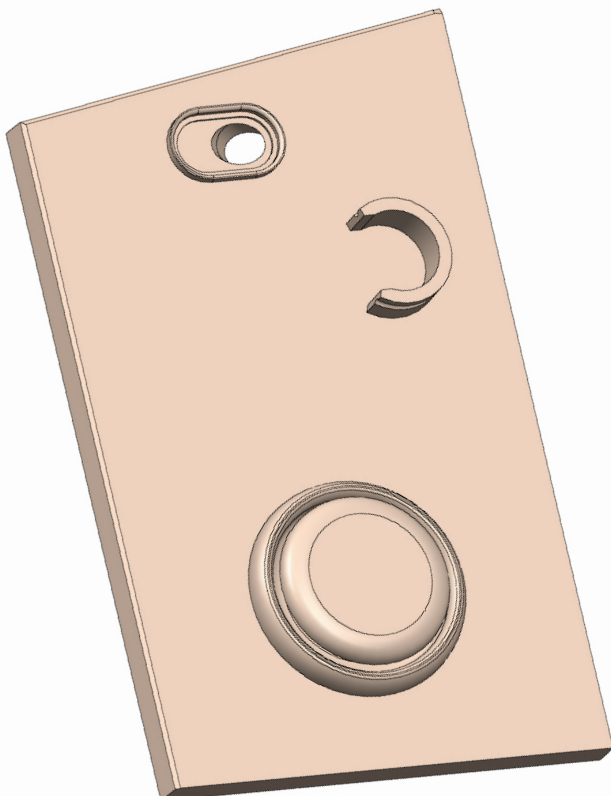
## Cromwell Mk.IV

### Printing guide



<b>PART Nr.:</b>	<b>05-04A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **05-04AB** instead of parts **05-04A** and **05-04B**.



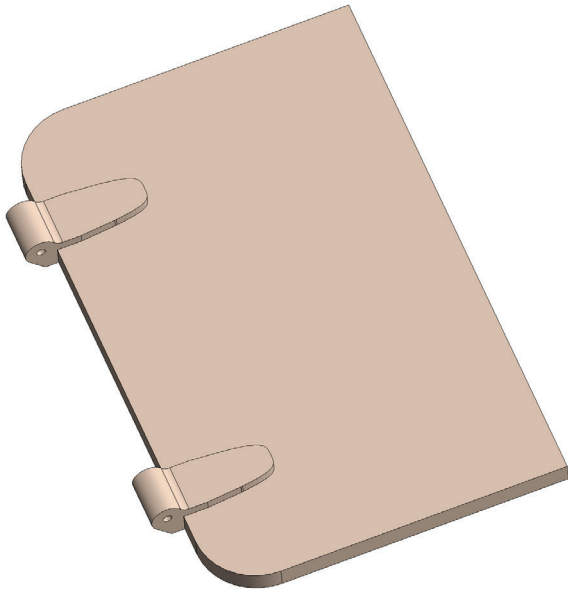
<b>PART Nr.:</b>	<b>05-04B</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 25%
PERIMETERS:	3

NOTES: If you have a big printer you can use part **05-04AB** instead of parts **05-04A** and **05-04B**.

# Cromwell Mk.IV

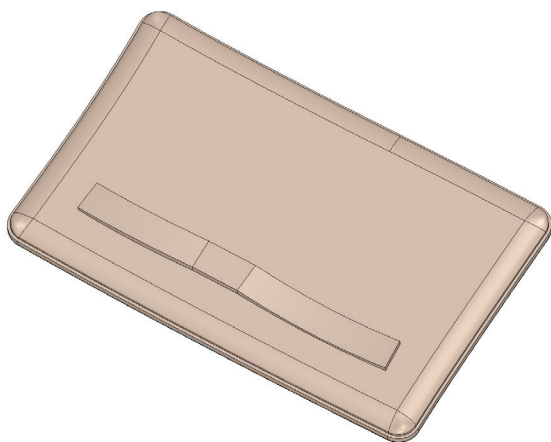
## Printing guide

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<b>PART Nr.:</b>	<b>05-05A</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20 - 30%
PERIMETERS:	3

NOTES:	
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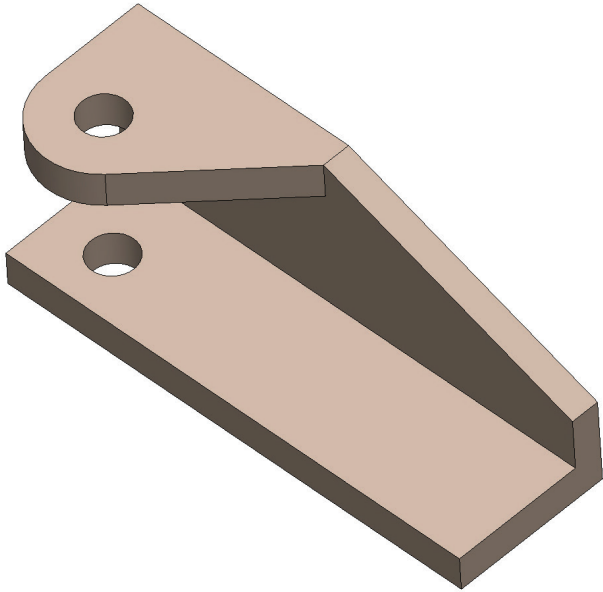


<b>PART Nr.:</b>	<b>05-05B</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	20%
PERIMETERS:	2 - 3

NOTES:	
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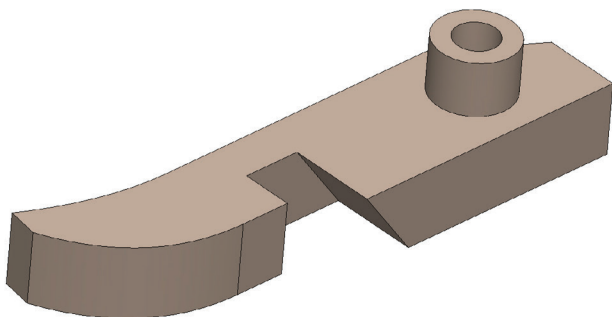
## Cromwell Mk.IV

### Printing guide



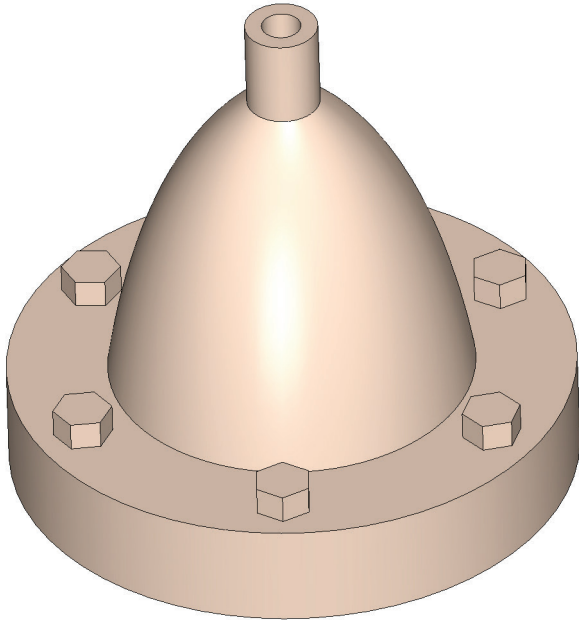
<b>PART Nr.:</b>	<b>05-06A</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Drill the screw hole with a 2mm drill bit.



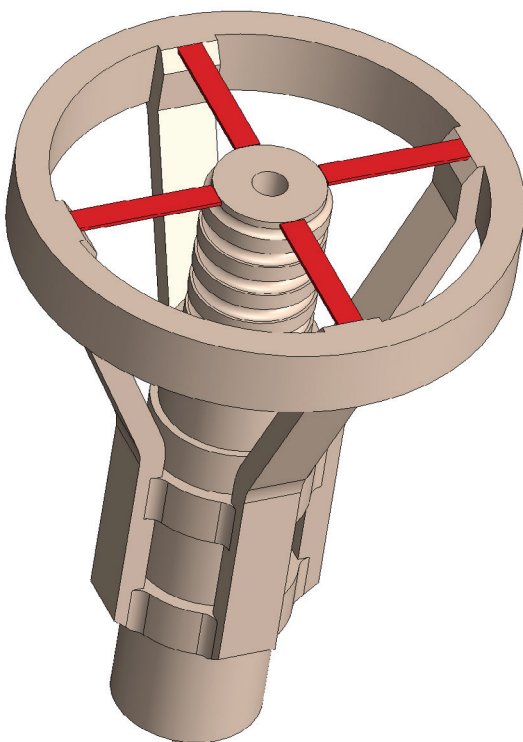
<b>PART Nr.:</b>	<b>05-06B</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: Drill the screw hole with a 2mm drill bit.



<b>PART Nr.:</b>	<b>05-07</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 35%
PERIMETERS:	3

NOTES: You can use the alternative part **05-07\_HOLLOW** for resin printers.

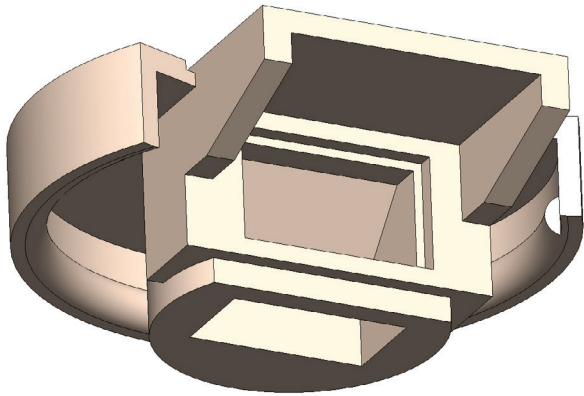


<b>PART Nr.:</b>	<b>05-08</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	30 - 50%
PERIMETERS:	3

NOTES: Cut off the auxiliary areas marked in red.  
If you do not need the auxiliary areas, you can print an alternate part **05-08\_NO\_BASE**.

## Cromwell Mk.IV

### Printing guide

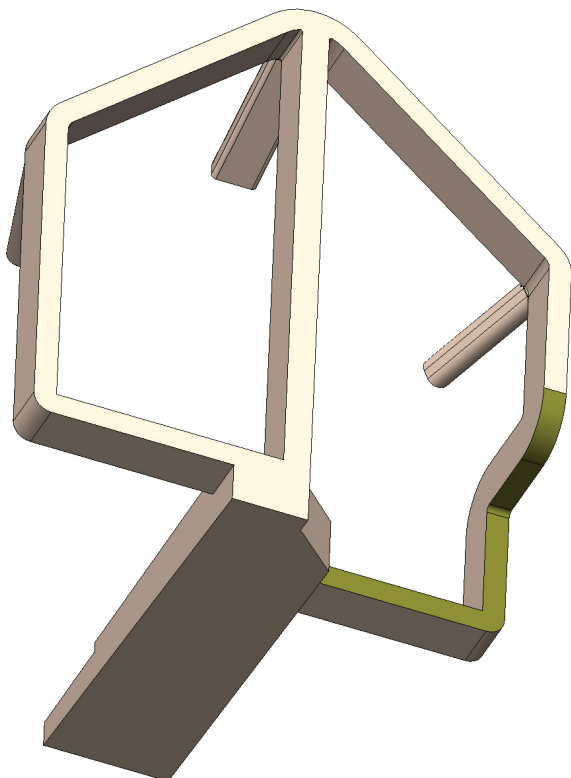


<b>PART Nr.:</b>	<b>05-09</b>
AMOUNT:	2x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	RECOMMENDED
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	20 - 30%
PERIMETERS:	2 - 3

## NOTES:

The part is identical to part 02-45.  
**You will need a total of 5 pieces of this part.**

To print a part with simpler periscopes, use **05-09\_ALT**.



<b>PART Nr.:</b>	<b>05-10A</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	<b>YES</b>
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	3 - 4

## NOTES:

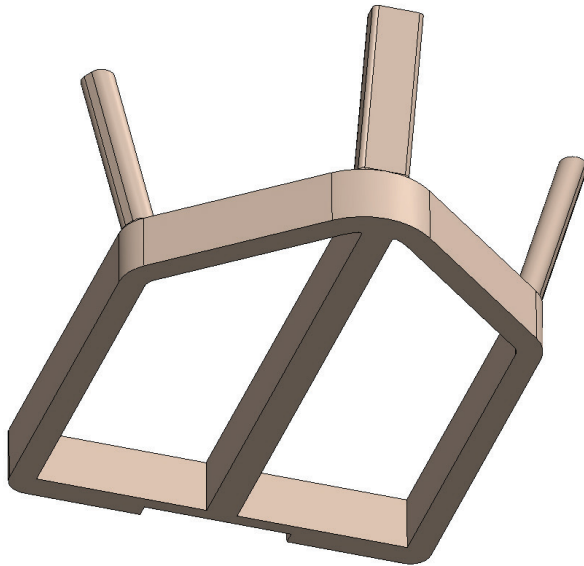
Apply the support to areas marked in green.

You can use part **05-10AB** for printing with the resin printers (recommended).

# Cromwell Mk.IV

## Printing guide

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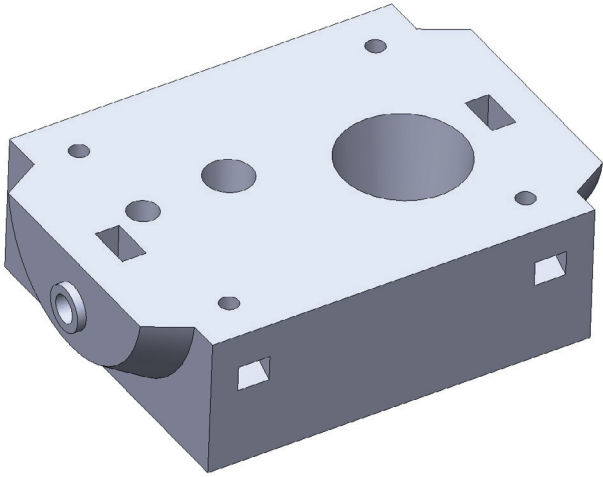


<b>PART Nr.:</b>	<b>05-10B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,16mm
INFILL:	PERIMETERS ONLY
PERIMETERS:	3 - 4

NOTES: You can use part **05-10AB** for printing with the resin printers (recommended).

# Cromwell Mk.IV

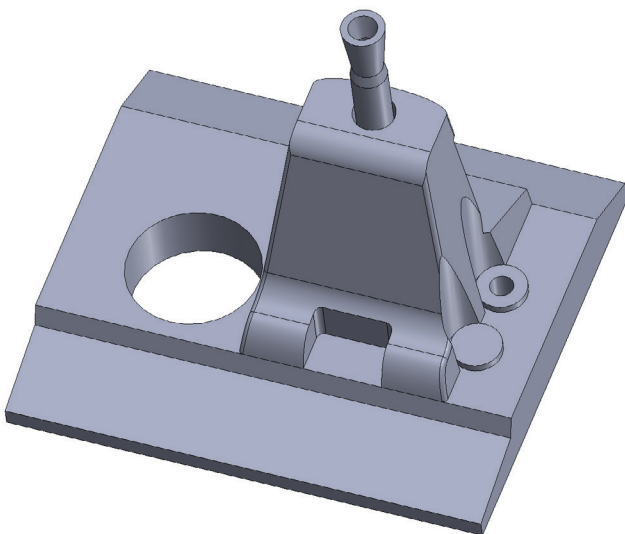
## Printing guide



<b>PART Nr.:</b>	<b>06-01A</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	25 - 35%
PERIMETERS:	3

Drill the screw holes with a 4-4.5mm and 6-6,5mm drill bits.

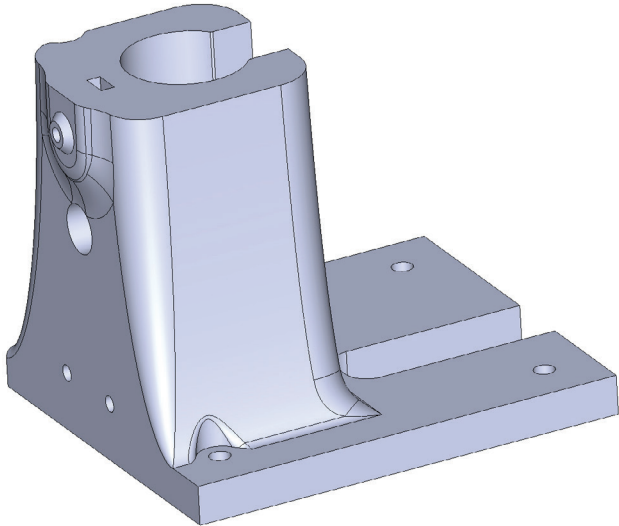
NOTES: If you want, you can use part **06-01AB** instead of parts **06-01A** and **06-01B**.



<b>PART Nr.:</b>	<b>06-01B</b>
AMOUNT:	1x
MATERIAL:	RESIN, ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 35%
PERIMETERS:	3

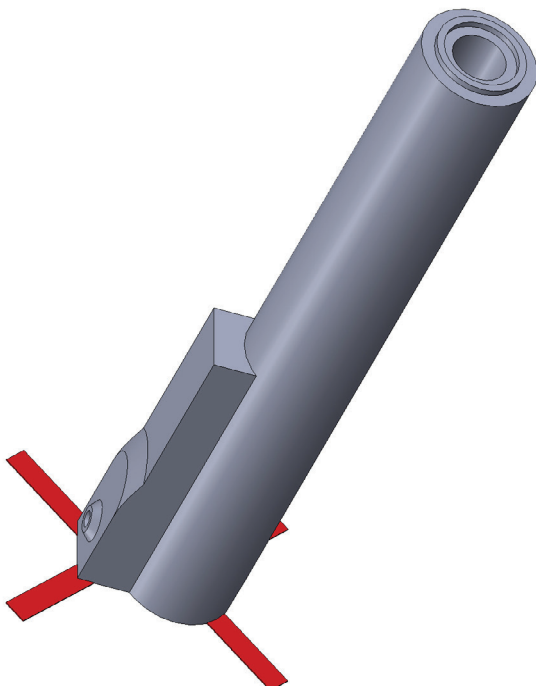
This part is designed primarily for resin printers.

NOTES: If you want, you can use part **06-01AB** instead of parts **06-01A** and **06-01B**.



<b>PART Nr.:</b>	<b>06-02</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	25 - 35%
PERIMETERS:	3

<b>NOTES:</b>	Drill the screw holes with a 3-3.5mm and 4-4.5mm drill bits.
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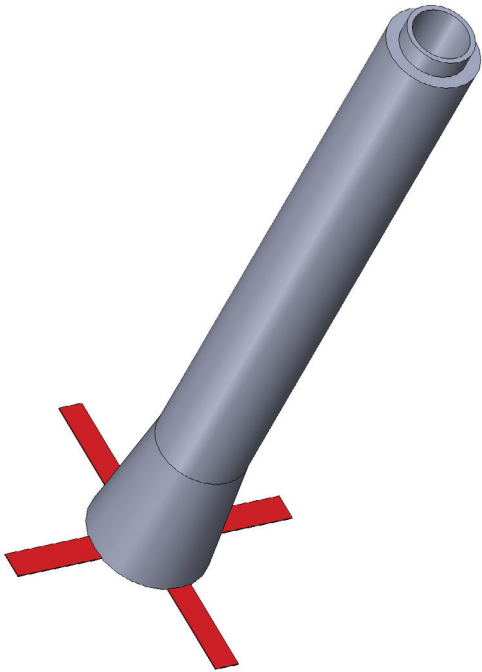
<b>PART Nr.:</b>	<b>06-03</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 60%
PERIMETERS:	3 - 4

<b>NOTES:</b>	<p>Drill the screw holes with a 3-3.5mm drill bit.</p> <p>Cut off the auxiliary areas marked in red.</p> <p>If you do not need the auxiliary areas, you can print an alternate part <b>06-03_NO_BASE</b>.</p>
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## Cromwell Mk.IV

### Printing guide



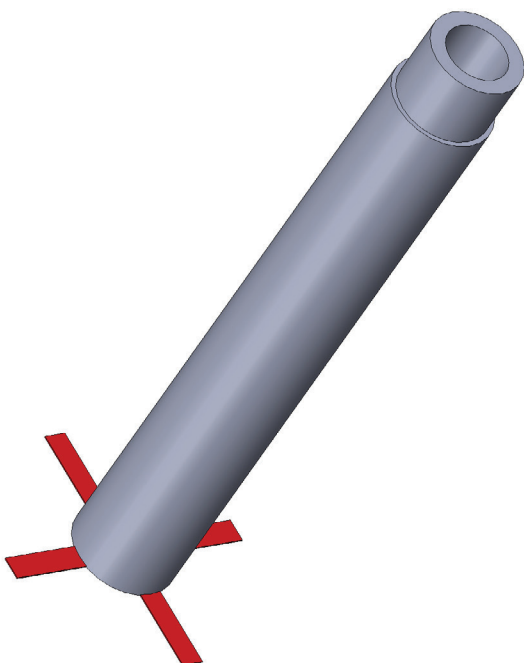
<b>PART Nr.:</b>	<b>06-04</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 60%
PERIMETERS:	3 - 4

**NOTES:**

Cut off the auxiliary areas marked in red.

If you do not need the auxiliary areas, you can print an alternate part **06-04\_NO\_BASE**.

For simplified barrel without rifling use part **06-04\_ALT**.



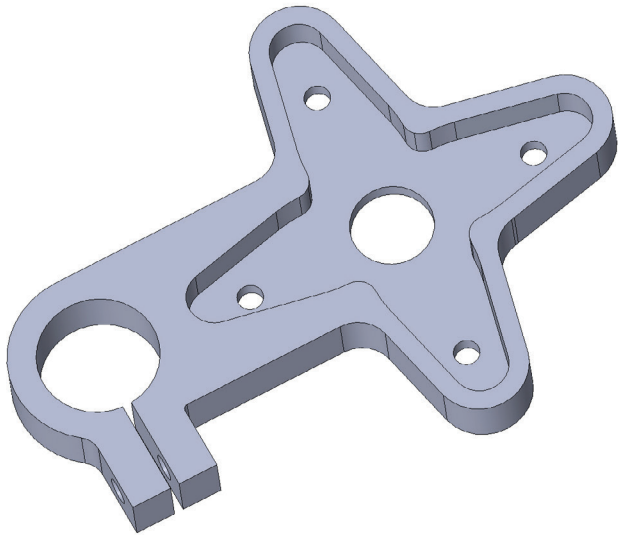
<b>PART Nr.:</b>	<b>06-05</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 60%
PERIMETERS:	3 - 4

**NOTES:**

Cut off the auxiliary areas marked in red.

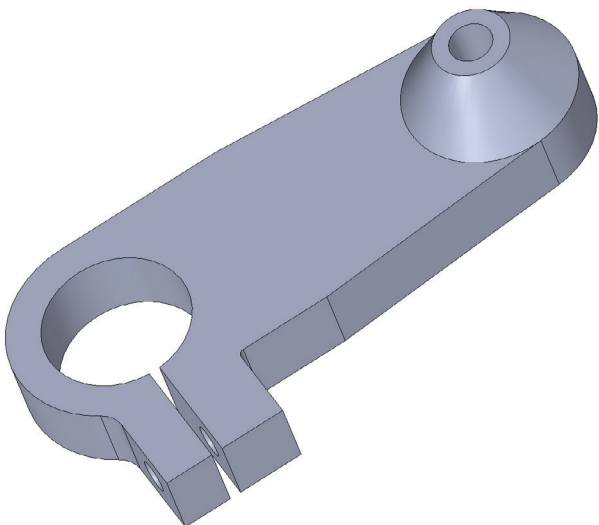
If you do not need the auxiliary areas, you can print an alternate part **06-05\_NO\_BASE**.

For simplified barrel without rifling use part **06-05\_ALT**.



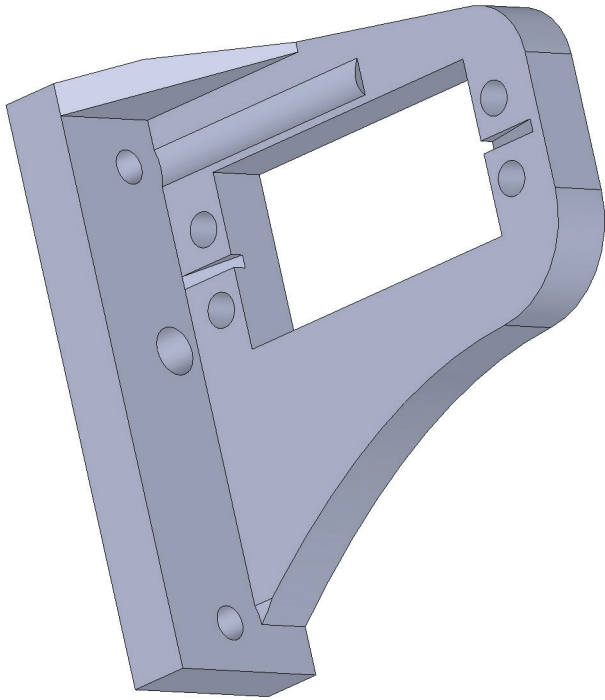
<b>PART Nr.:</b>	<b>06-06</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

<b>NOTES:</b>	Drill the screw holes with a 2-2.5mm drill bit.
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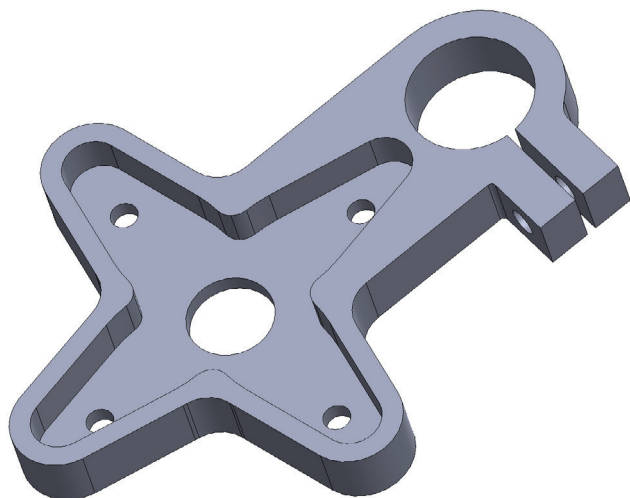
<b>PART Nr.:</b>	<b>06-07</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

<b>NOTES:</b>	Drill the screw holes with a 2-2.5mm and 3-3.5mm drill bits.
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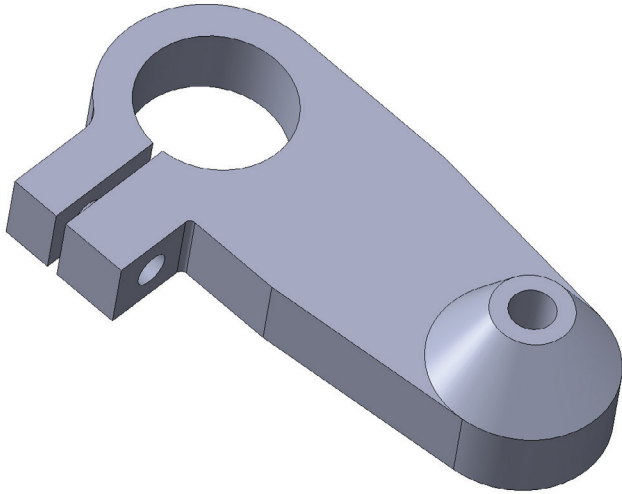
<b>PART Nr.:</b>	<b>06-08</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	3

NOTES: Drill the screw holes with a 4-4.5mm drill bit.



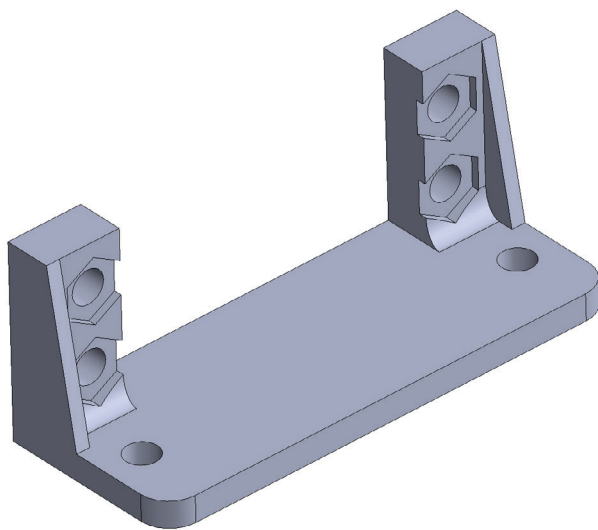
<b>PART Nr.:</b>	<b>06-09</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

NOTES: Drill the screw holes with a 2-2.5mm drill bit.



<b>PART Nr.:</b>	<b>06-10</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

NOTES: Drill the screw holes with a 2-2.5mm and 3-3.5mm drill bits.



<b>PART Nr.:</b>	<b>06-11</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	3

NOTES: Drill the screw holes with a 4-4.5mm drill bit.

## Cromwell Mk.IV

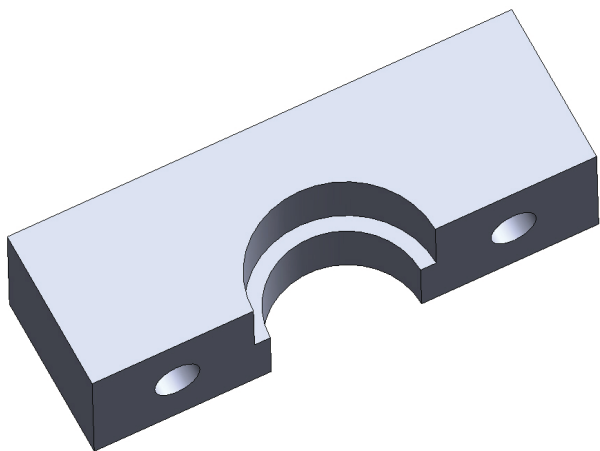
### Printing guide



<b>PART Nr.:</b>	<b>06-12</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,10 - 0,20mm
INFILL:	25 - 30%
PERIMETERS:	3

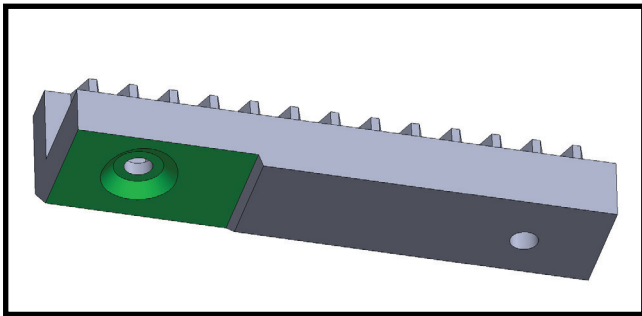
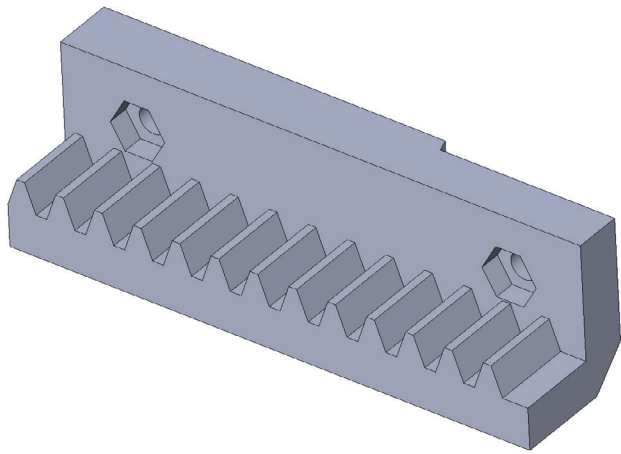
NOTES: You can use part **06-12\_SLA** for printing with the resin printers (recommended).

In this case, cut off the auxiliary surfaces.



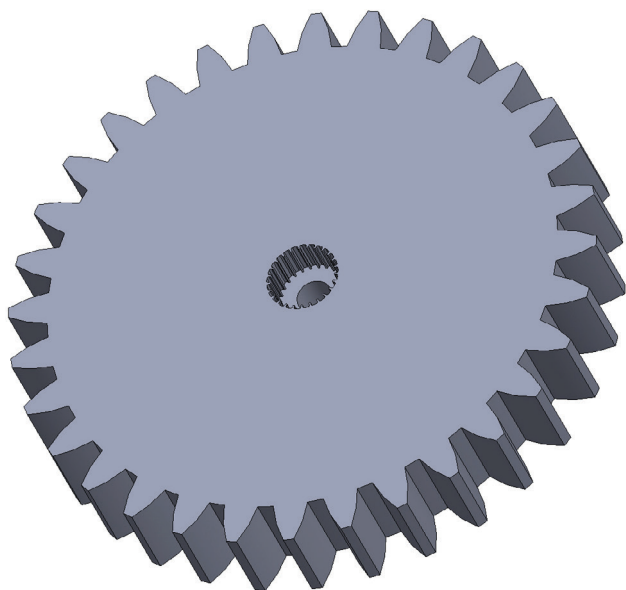
<b>PART Nr.:</b>	<b>06-13</b>
AMOUNT:	2x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3

NOTES: Drill the screw holes with a 4-4.5mm drill bit.



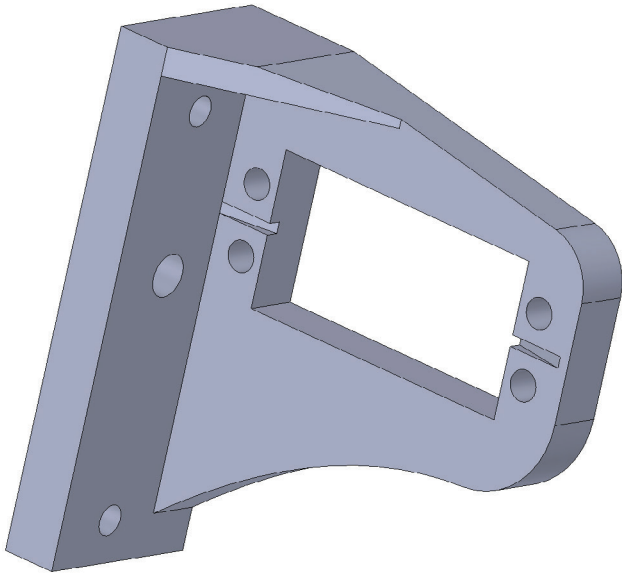
<b>PART Nr.:</b>	<b>06-06_alt</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	YES
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3 - 4

NOTES:	<p>Alternative parts for cannon version B.</p> <p>Apply the support to areas marked in green.</p> <p>Drill the screw holes with a 3-3.5mm drill bit.</p>
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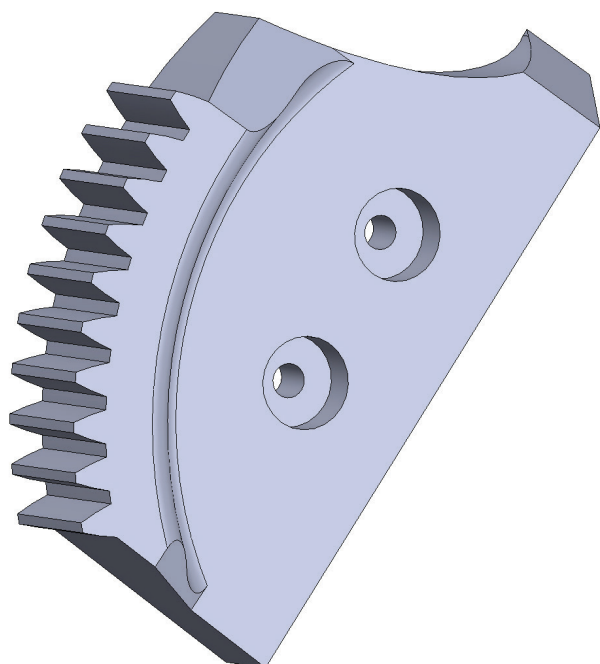
<b>PART Nr.:</b>	<b>06-07_alt</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3 - 4

NOTES:	Alternative parts for cannon version B.
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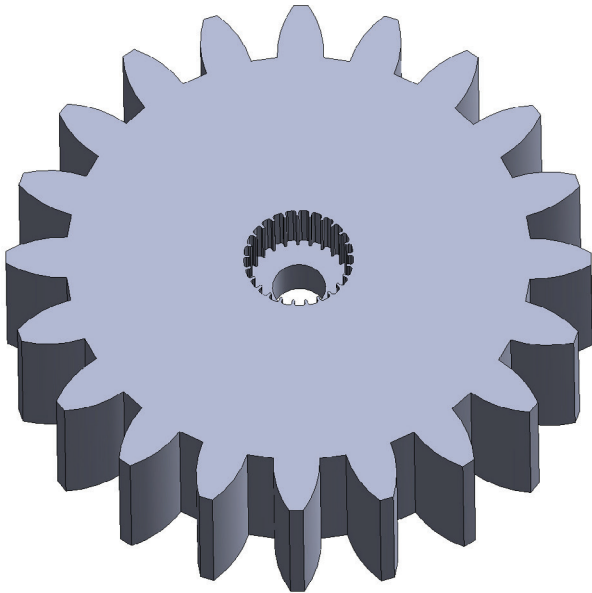
<b>PART Nr.:</b>	<b>06-08_alt</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	3

**NOTES:** Alternative parts for cannon version B.  
Drill the screw holes with a 4-4.5mm drill bit.



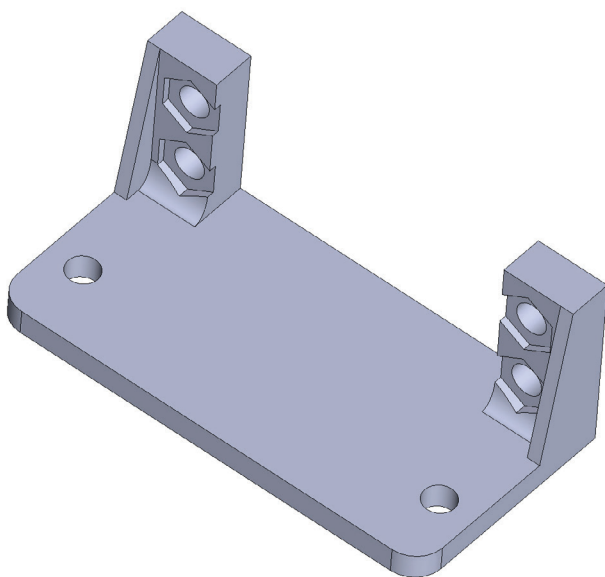
<b>PART Nr.:</b>	<b>06-09_alt</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3 - 4

**NOTES:** Alternative parts for cannon version B.  
Drill the screw holes with a 3-3.5mm drill bit.



<b>PART Nr.:</b>	<b>06-10_alt</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,3 - 0,4mm
LAYER:	0,10 - 0,26mm
INFILL:	30 - 40%
PERIMETERS:	3 - 4

NOTES:	Alternative parts for cannon version B.
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<b>PART Nr.:</b>	<b>06-11_alt</b>
AMOUNT:	1x
MATERIAL:	ASA, ABS, PET(G), CPE
SUPPORT:	NO
NOZZLE:	0,4mm
LAYER:	0,20 - 0,26mm
INFILL:	25 - 30%
PERIMETERS:	3

NOTES:	Alternative parts for cannon version B. Drill the screw holes with a 4-4.5mm drill bit.
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