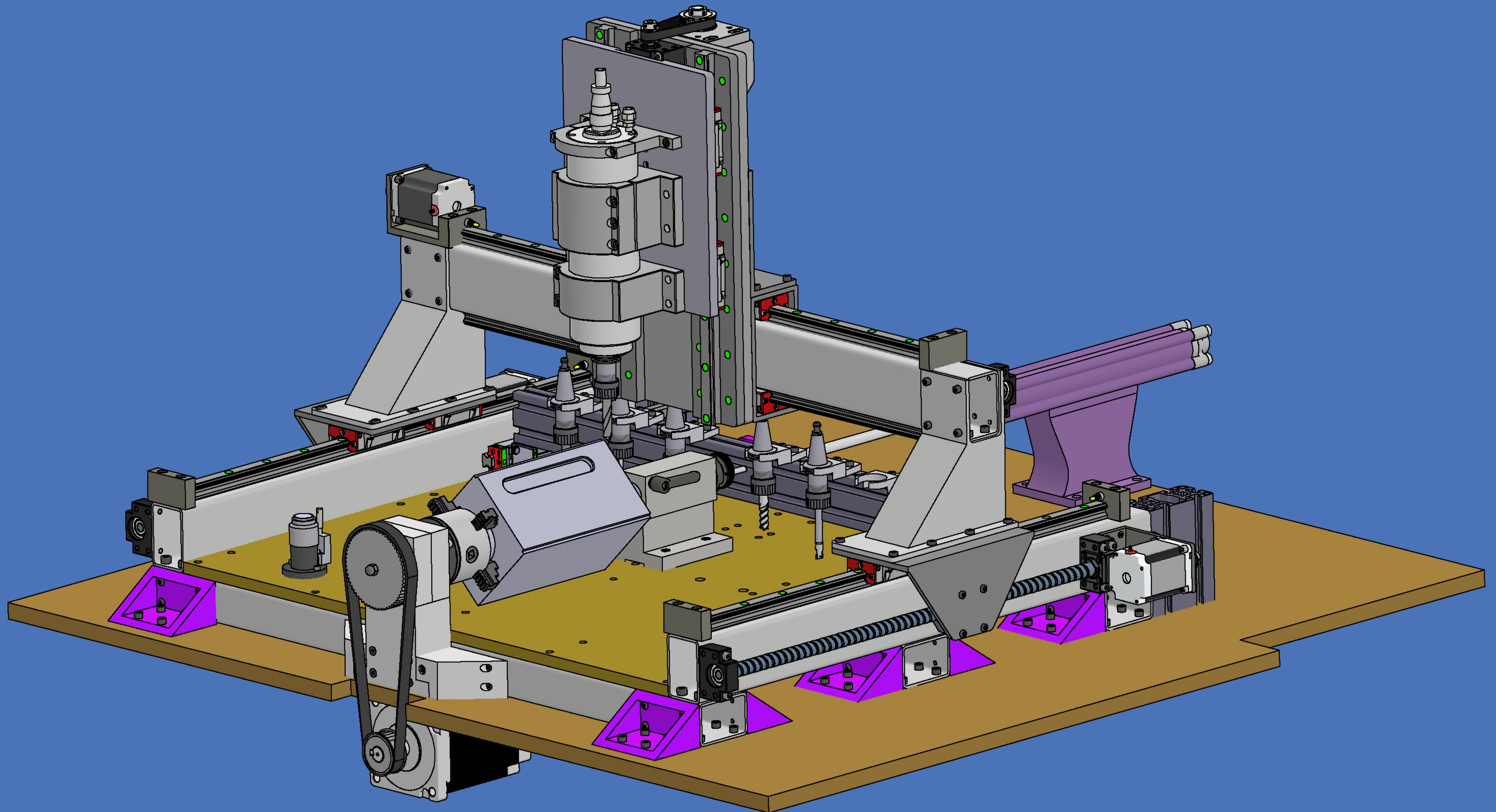
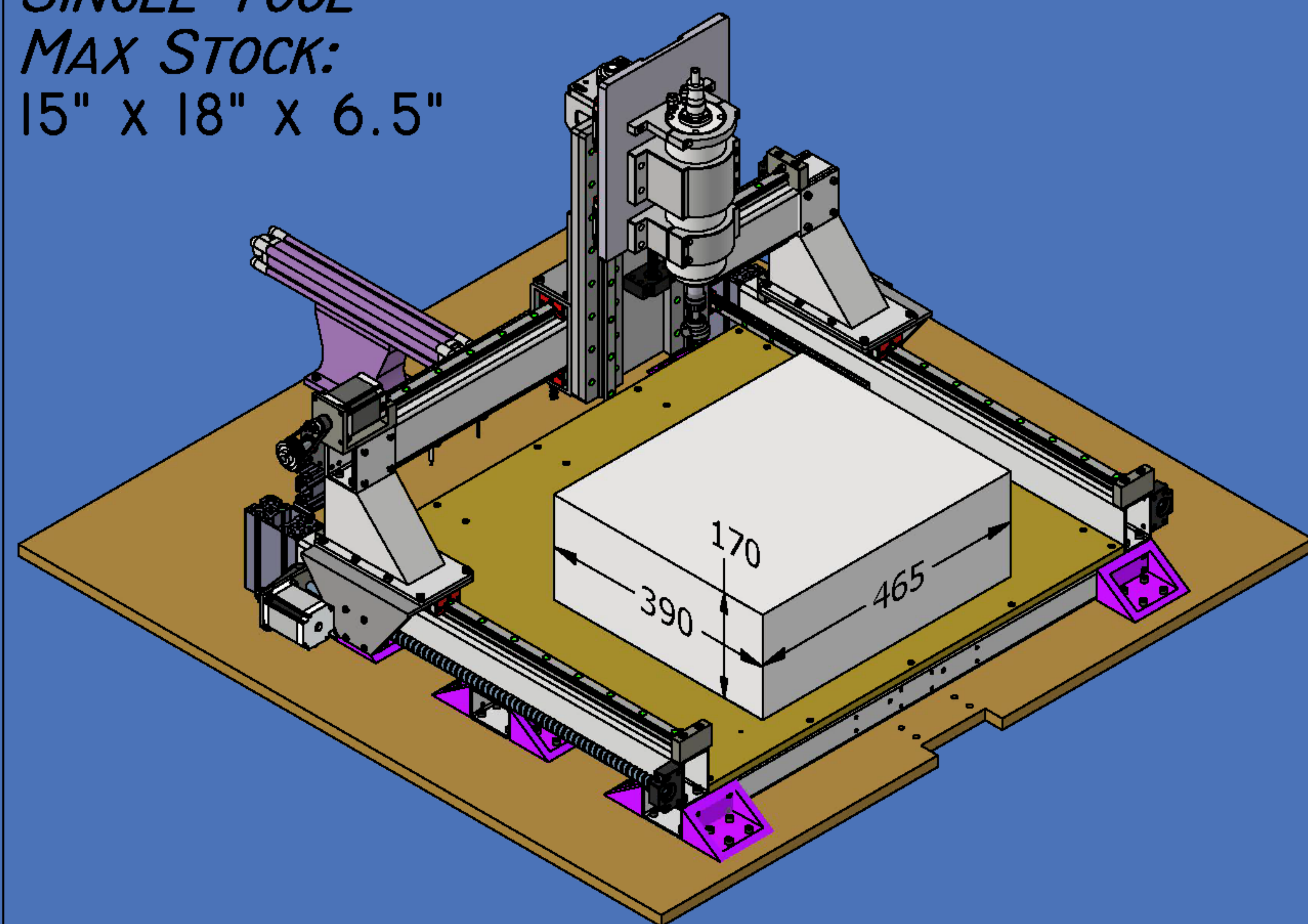


PrintNC Pro Mod

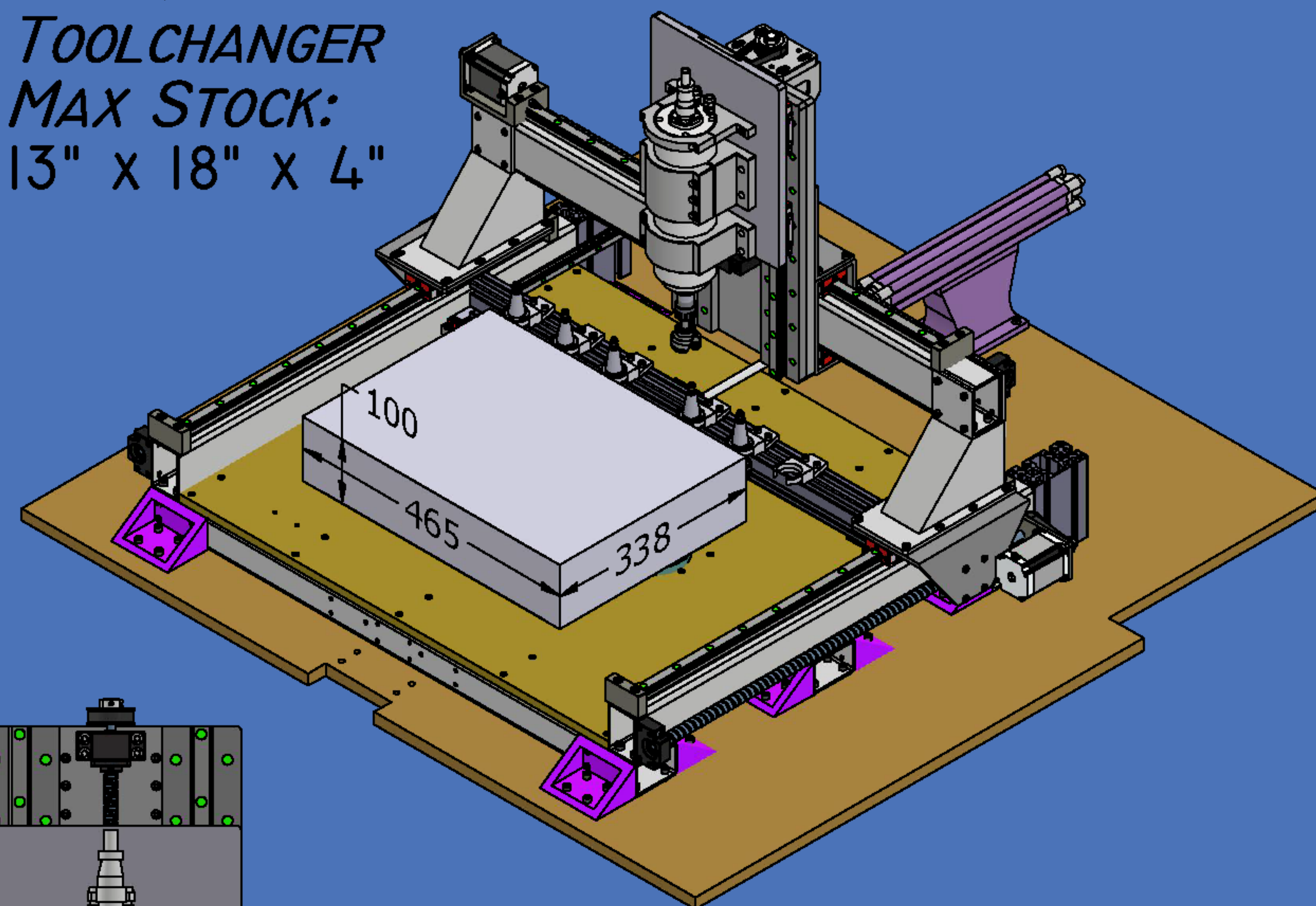


Overview

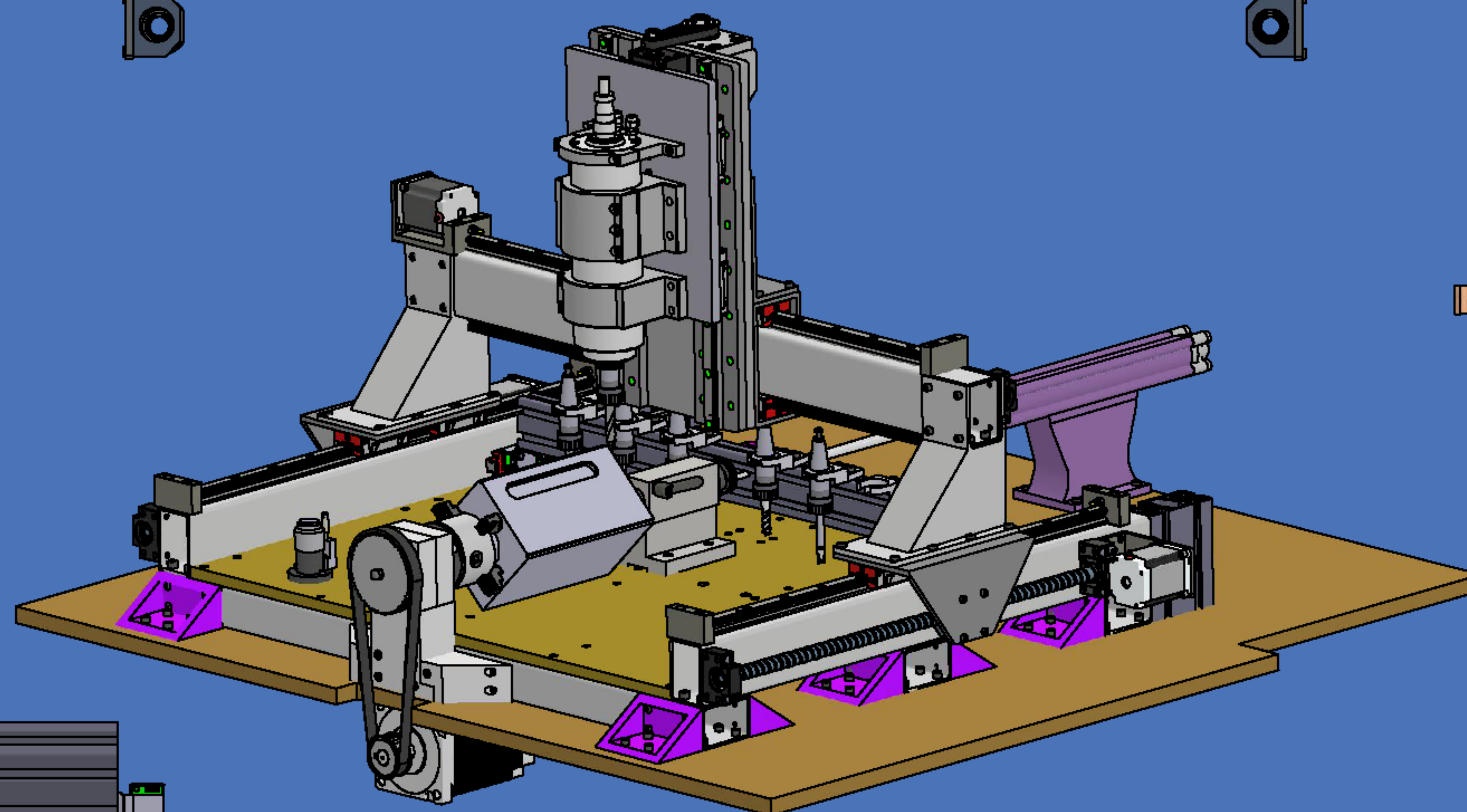
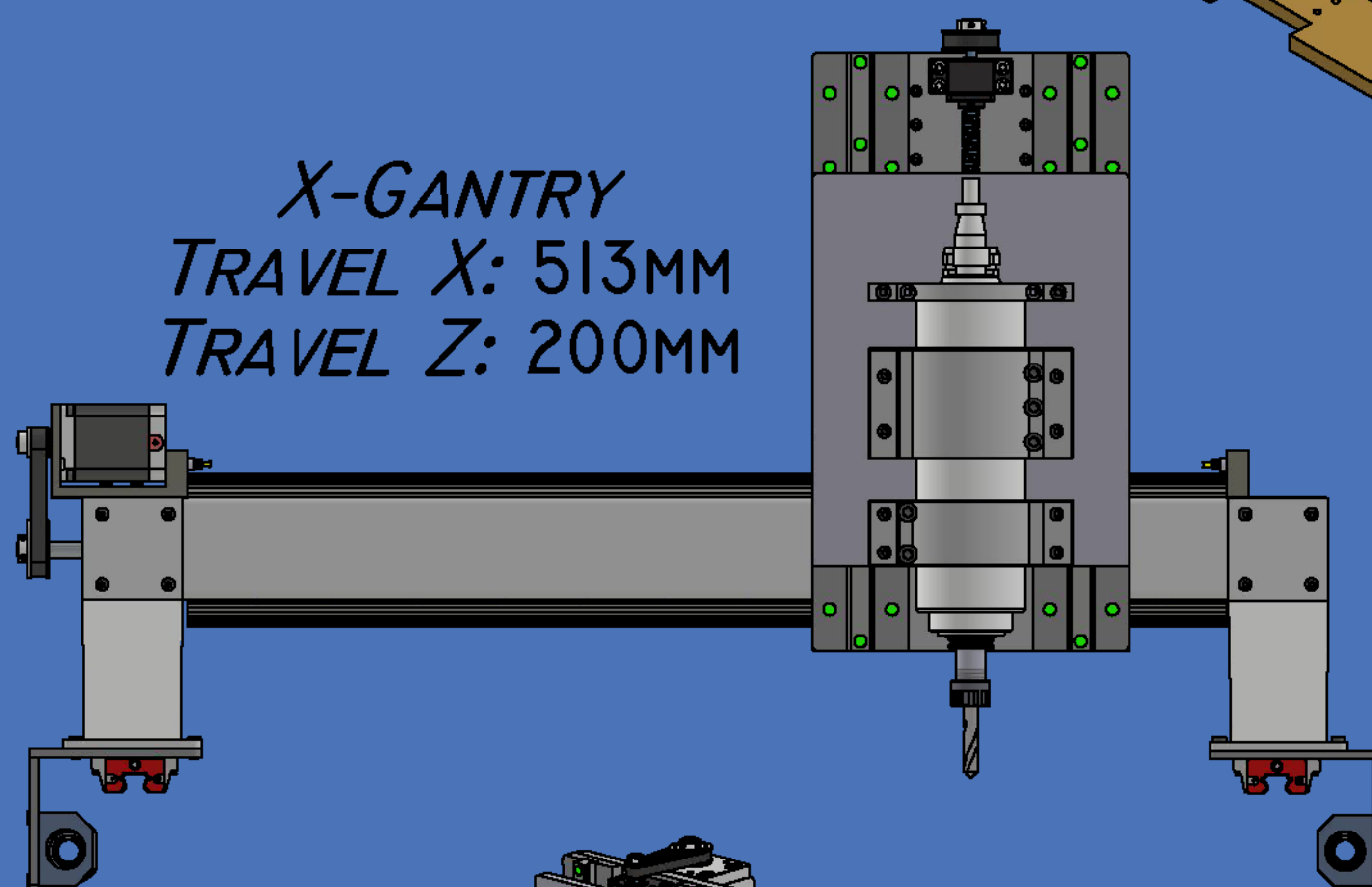
*SINGLE TOOL
MAX STOCK:
15" x 18" x 6.5"*



*TWO VICE SETUP
TOOLCHANGER
MAX STOCK:
13" x 18" x 4"*

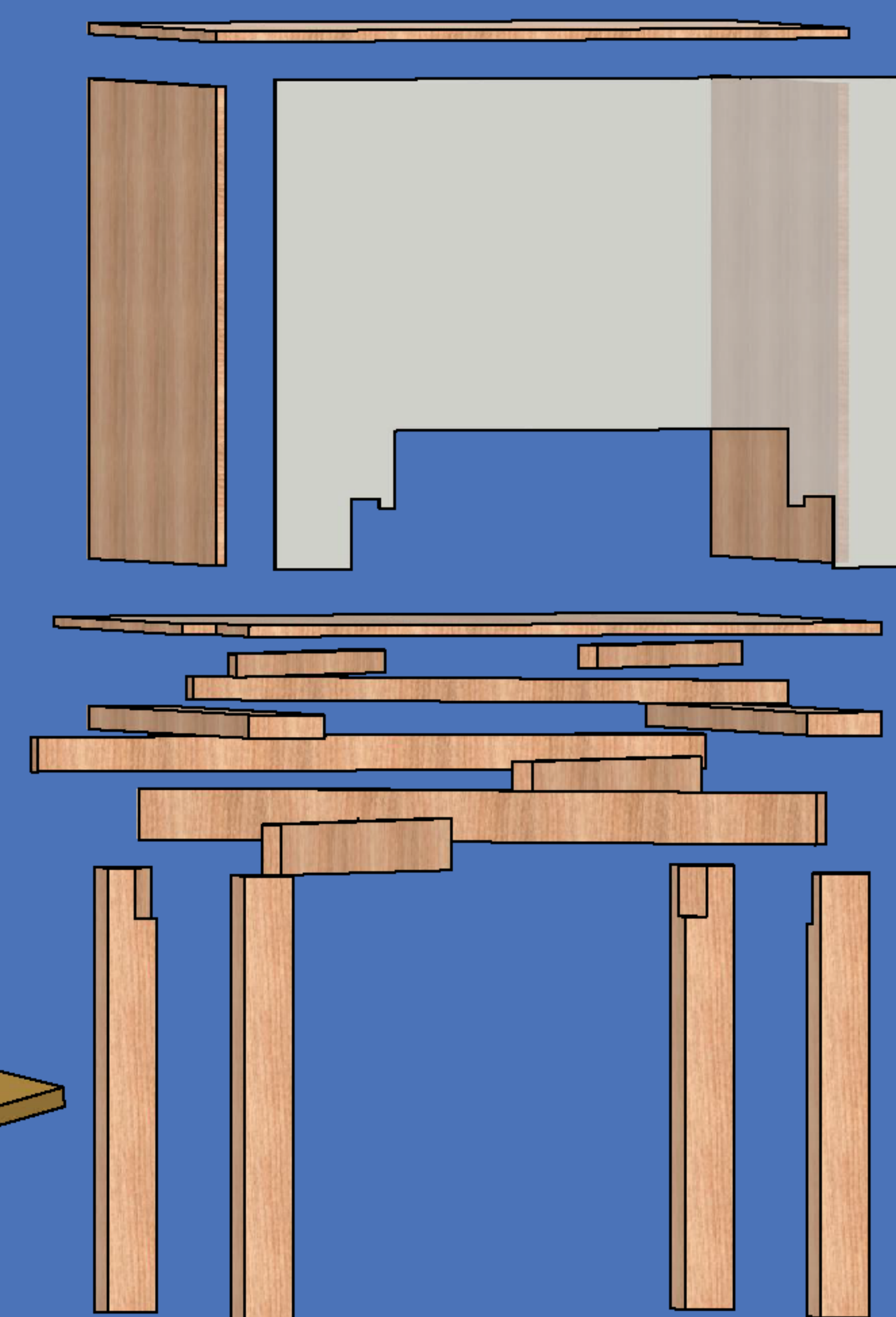


*X-GANTRY
TRAVEL X: 513MM
TRAVEL Z: 200MM*

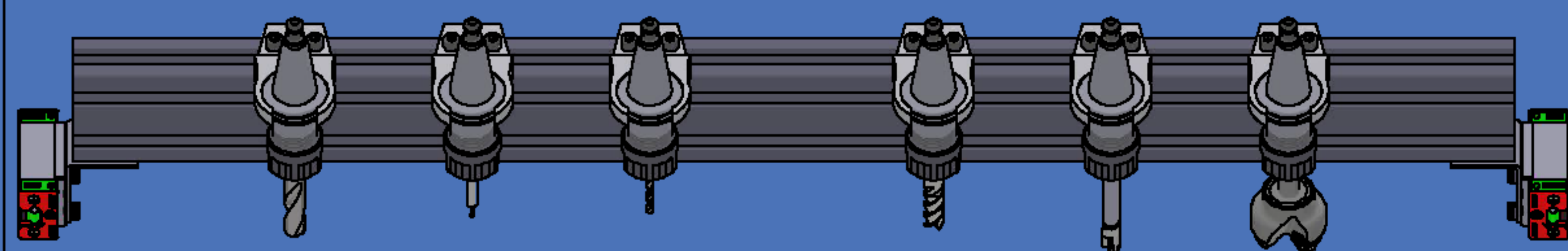


*DYNAMIC INDEXER
TOOLCHANGER MAX STOCK: 8"
SANS TOOLCHANGER MAX STOCK: 14.5"*

*ENCLOSURE + BASE
40" x 48" x 67"*

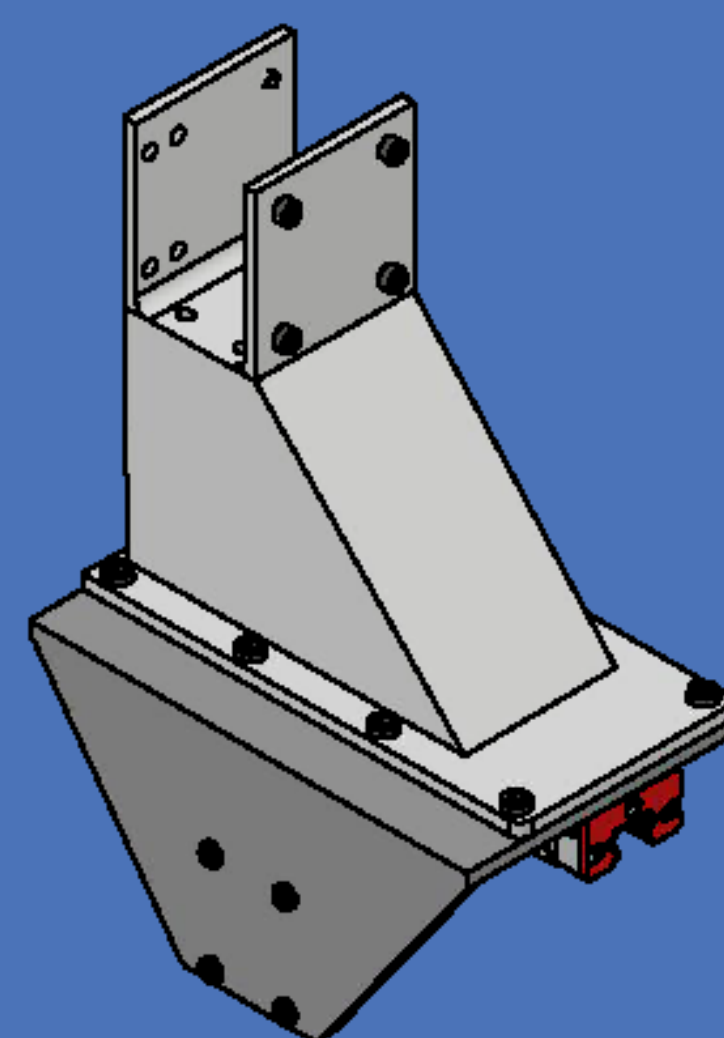


TOOLCHANGER (6) ISO20 ER16



X-Gantry

A-Riser Right Slide



B

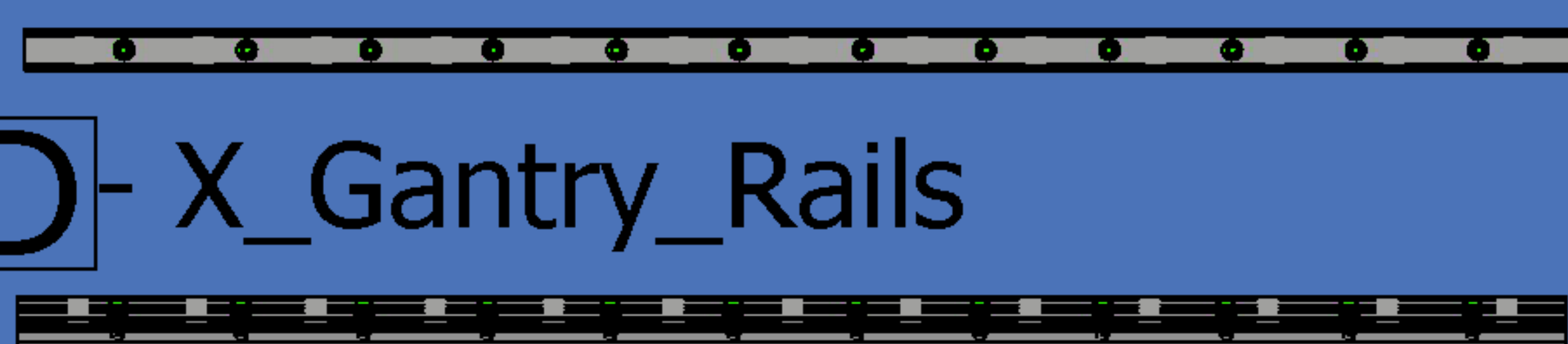


B-X_Threaded_Rod_Assembly



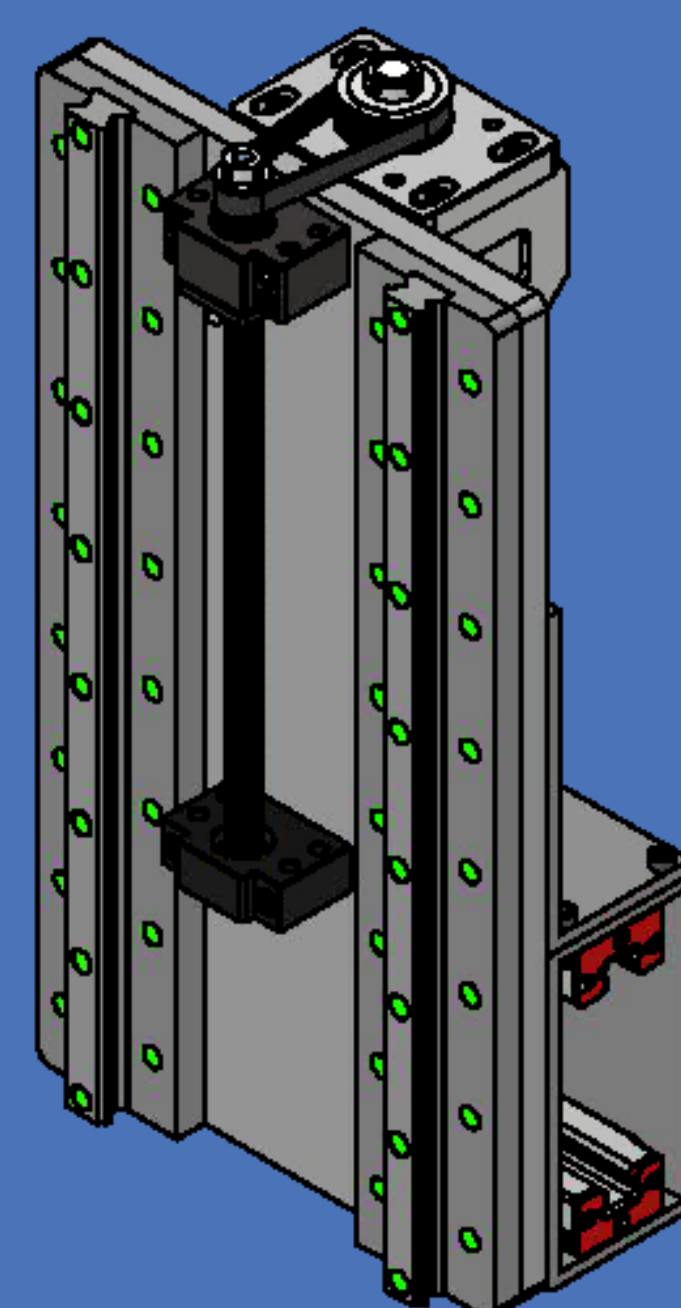
C-Steel_X_Gantry

D



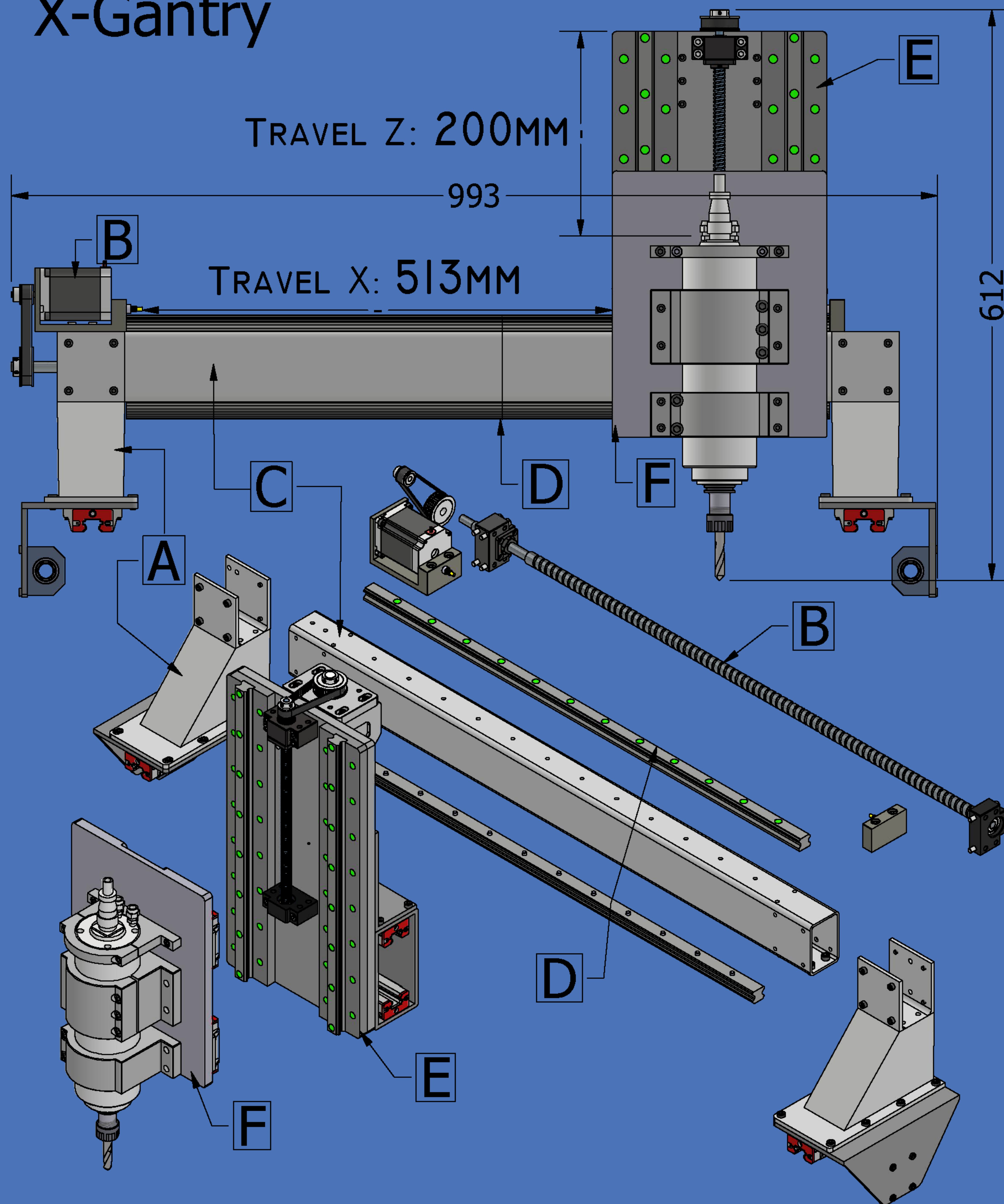
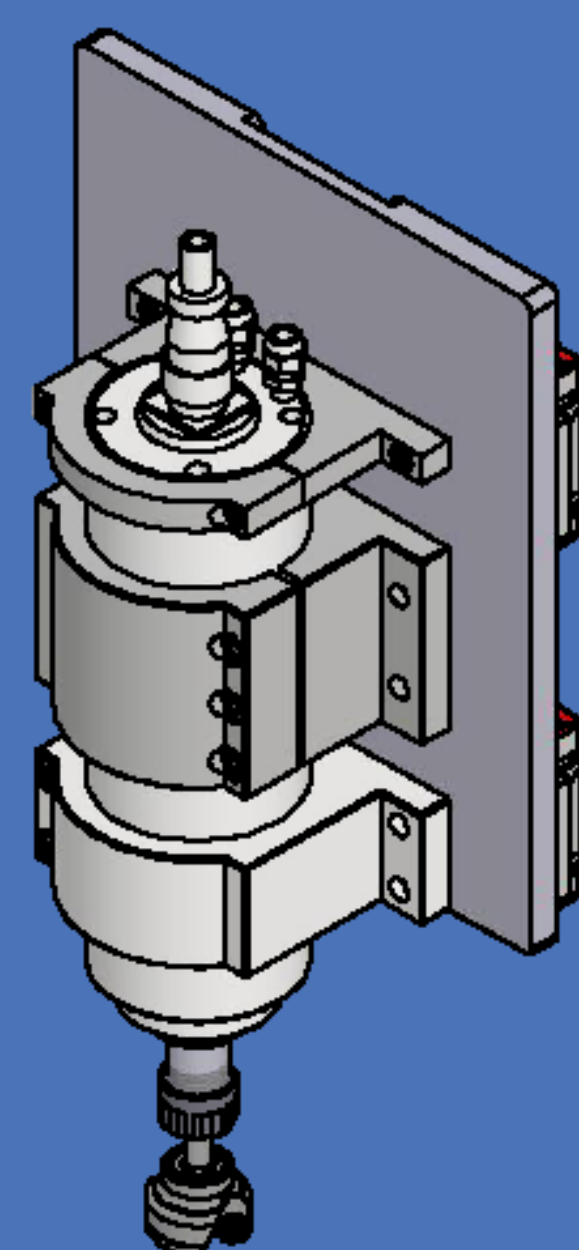
D- X_Gantry_Rails

E-Z_Head_Assembly



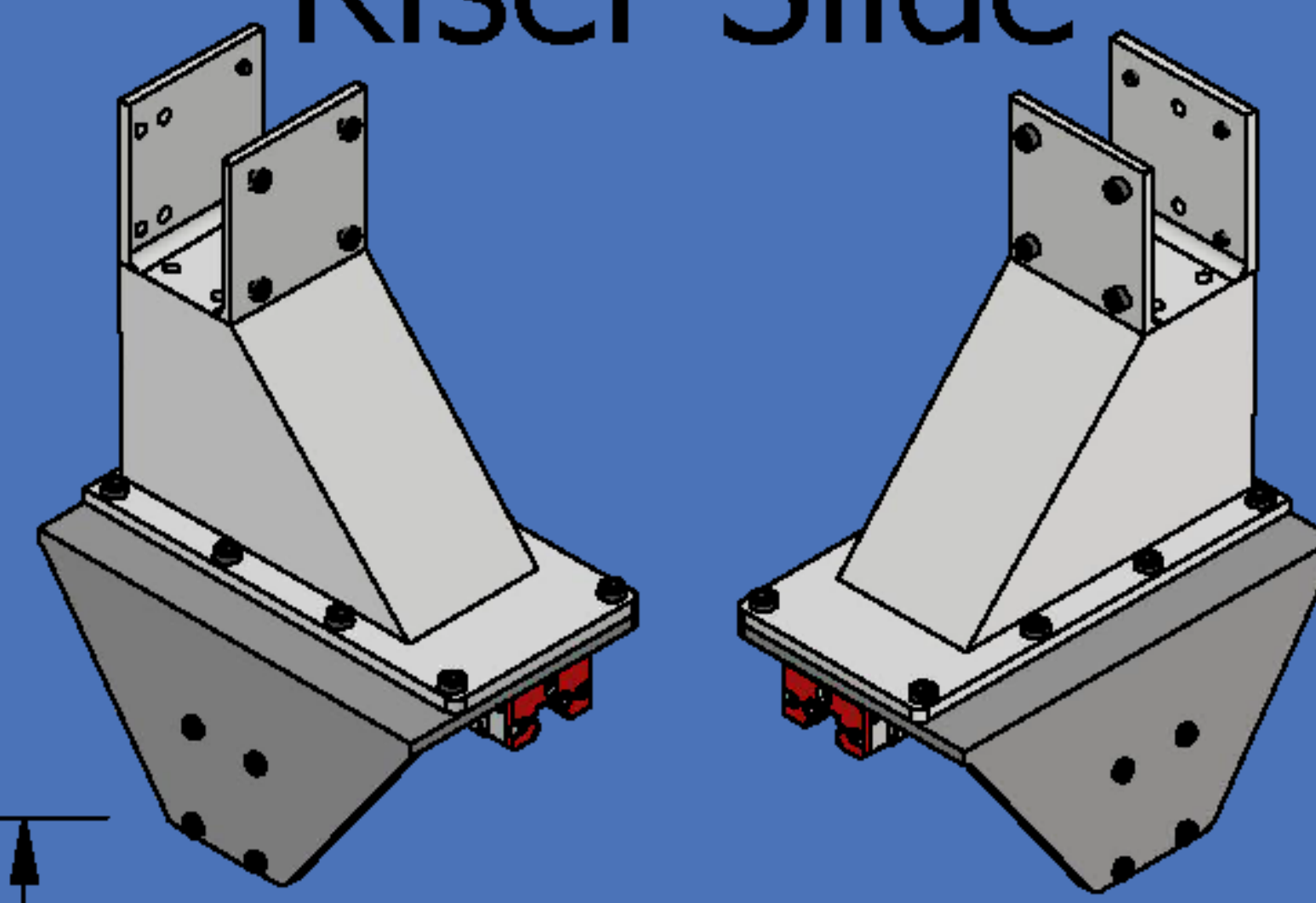
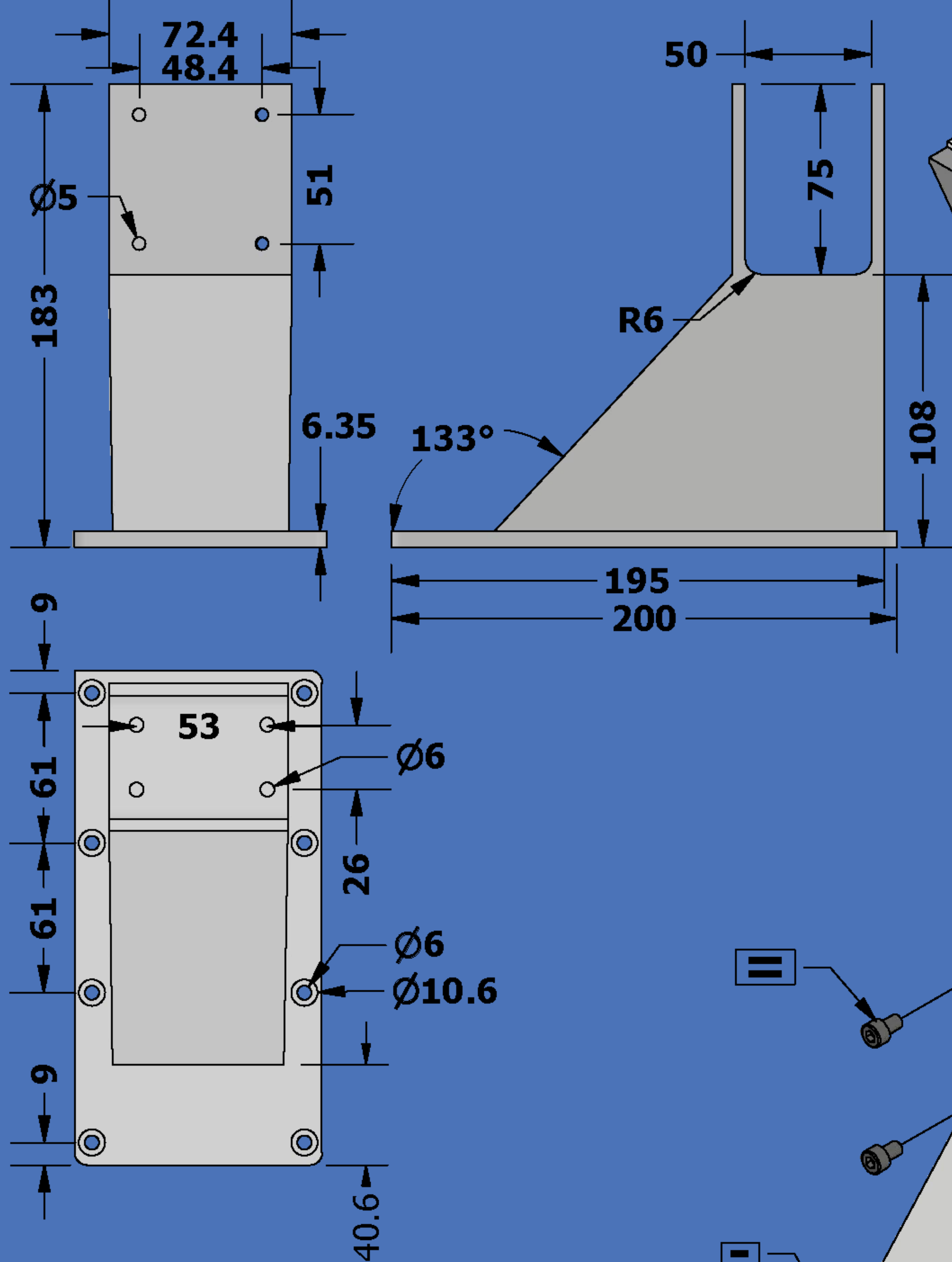
A

F-Z_Axis_Solid

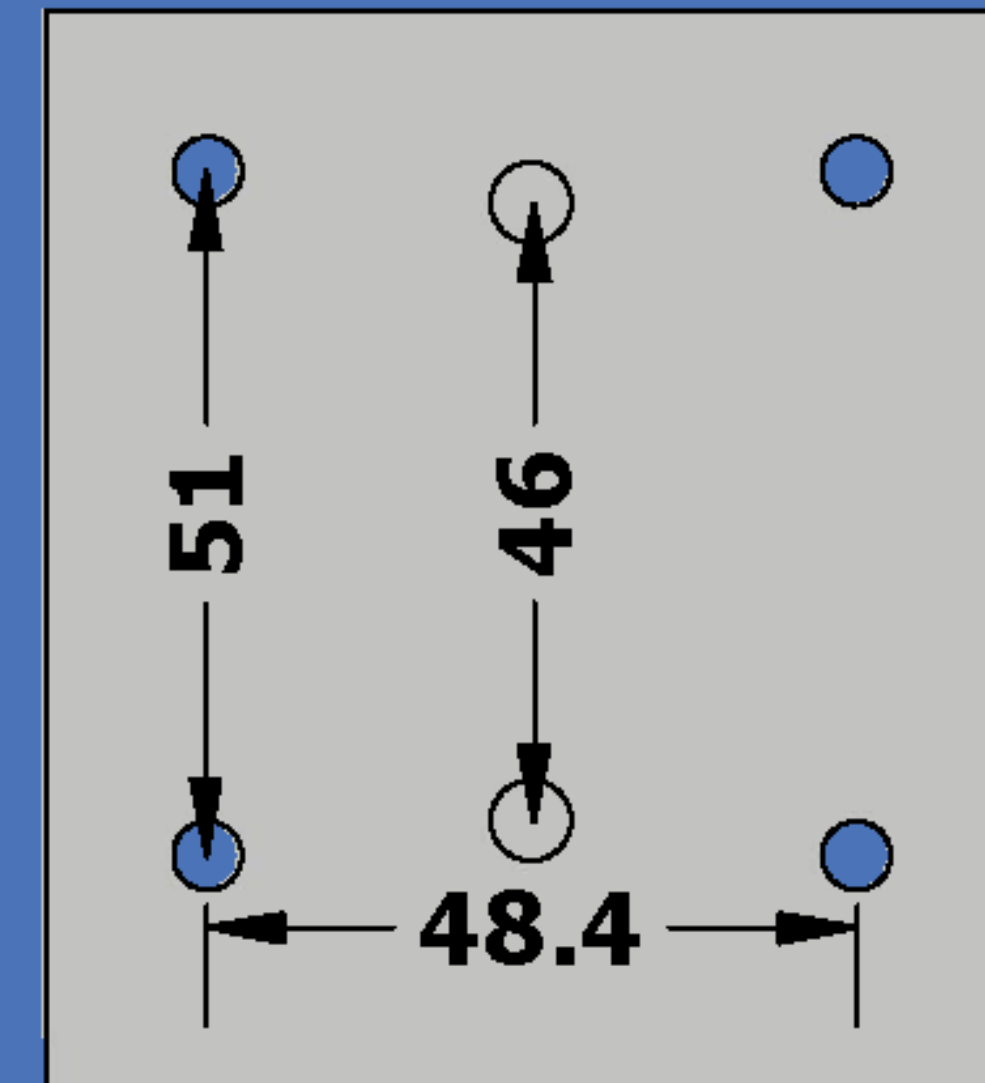


Riser Right [B]

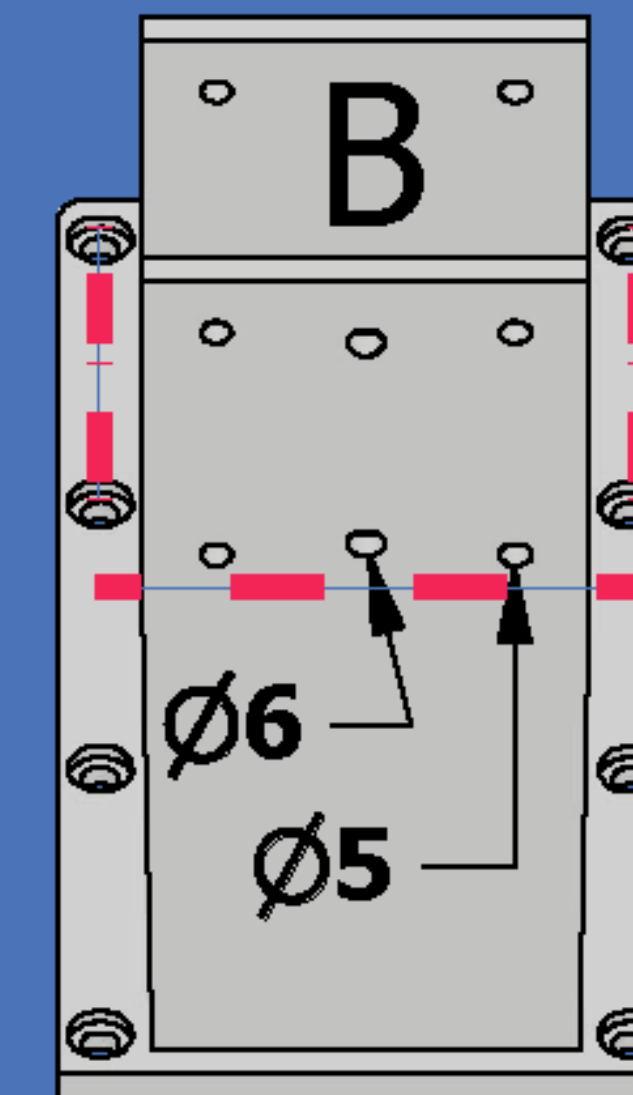
Riser Slide



B

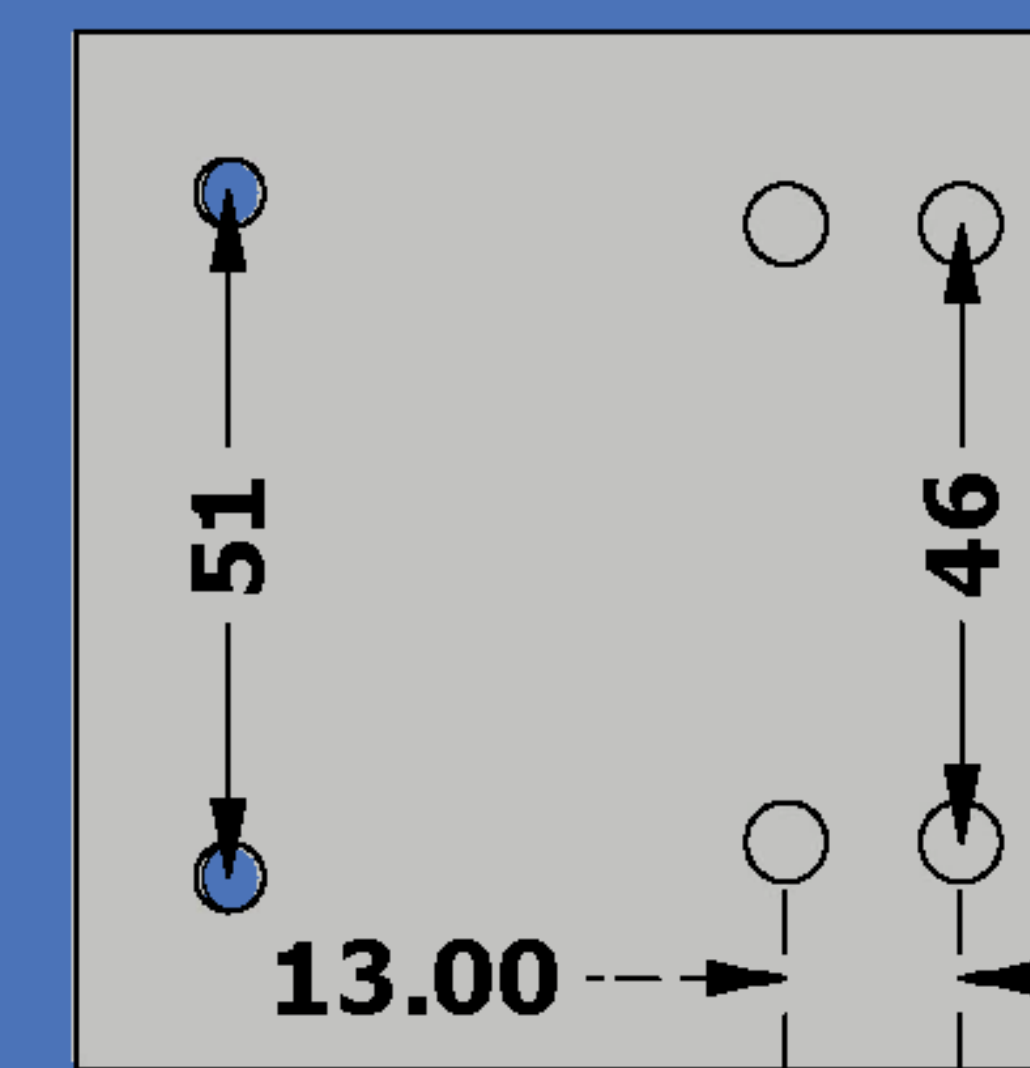


Riser Left

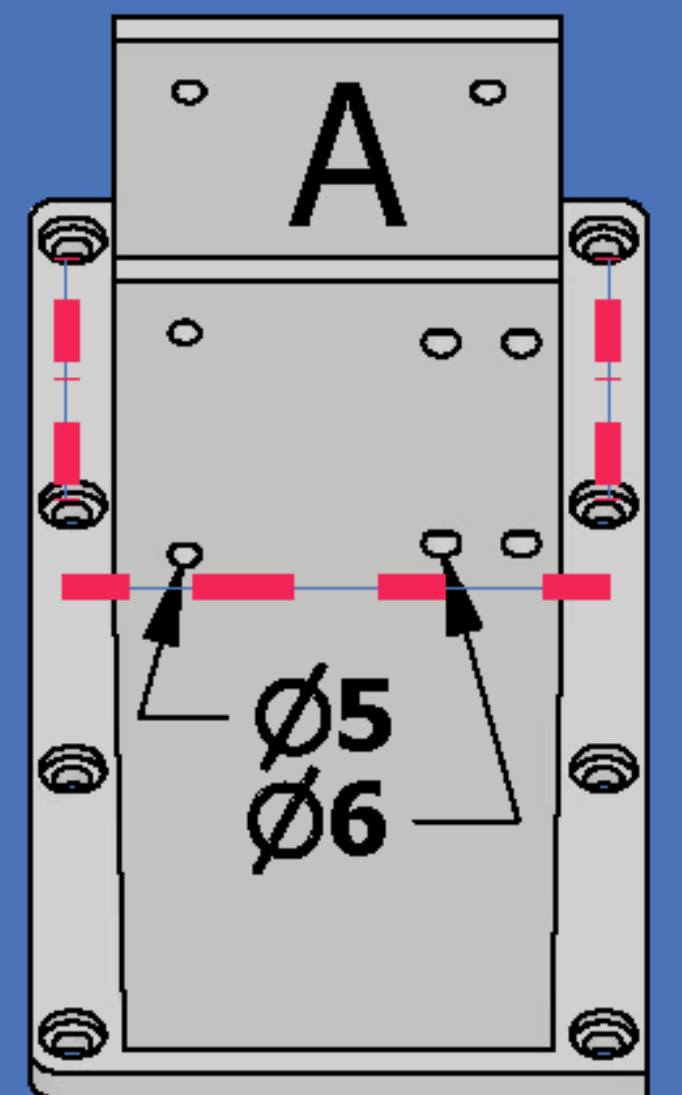


* Mirrored Identical sans
Rear Mounting Holes *

A



Riser Right



B

B

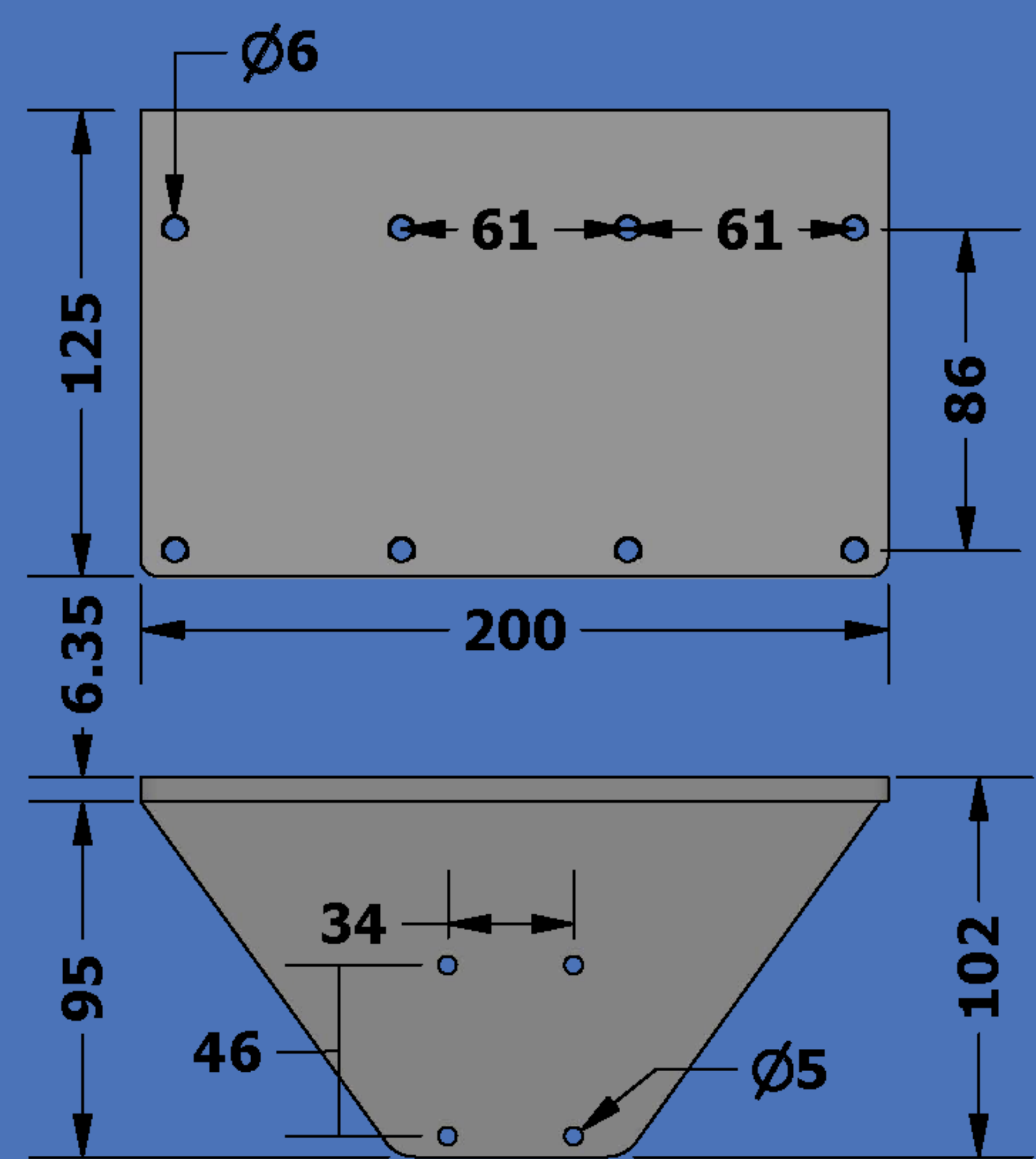
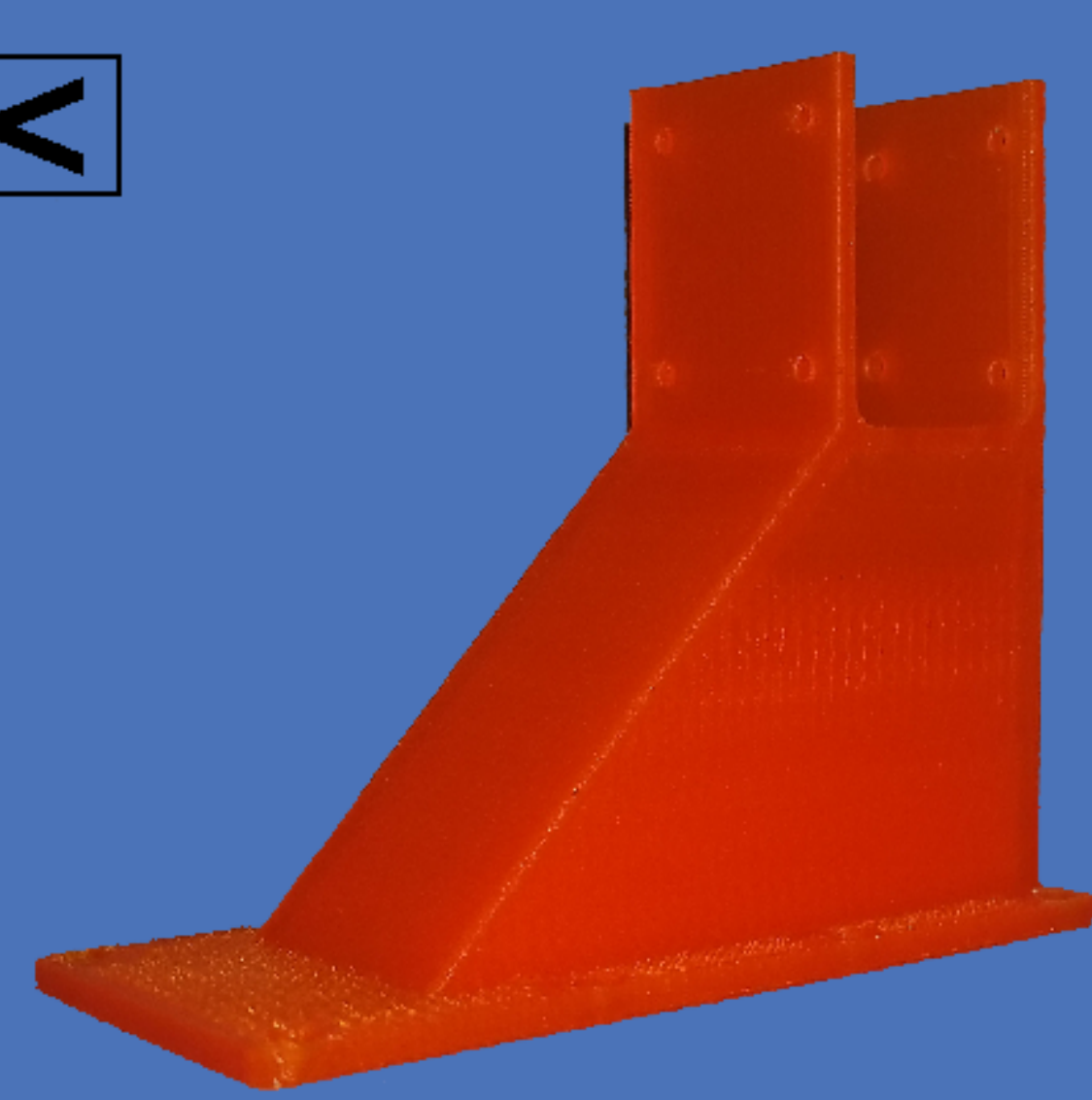
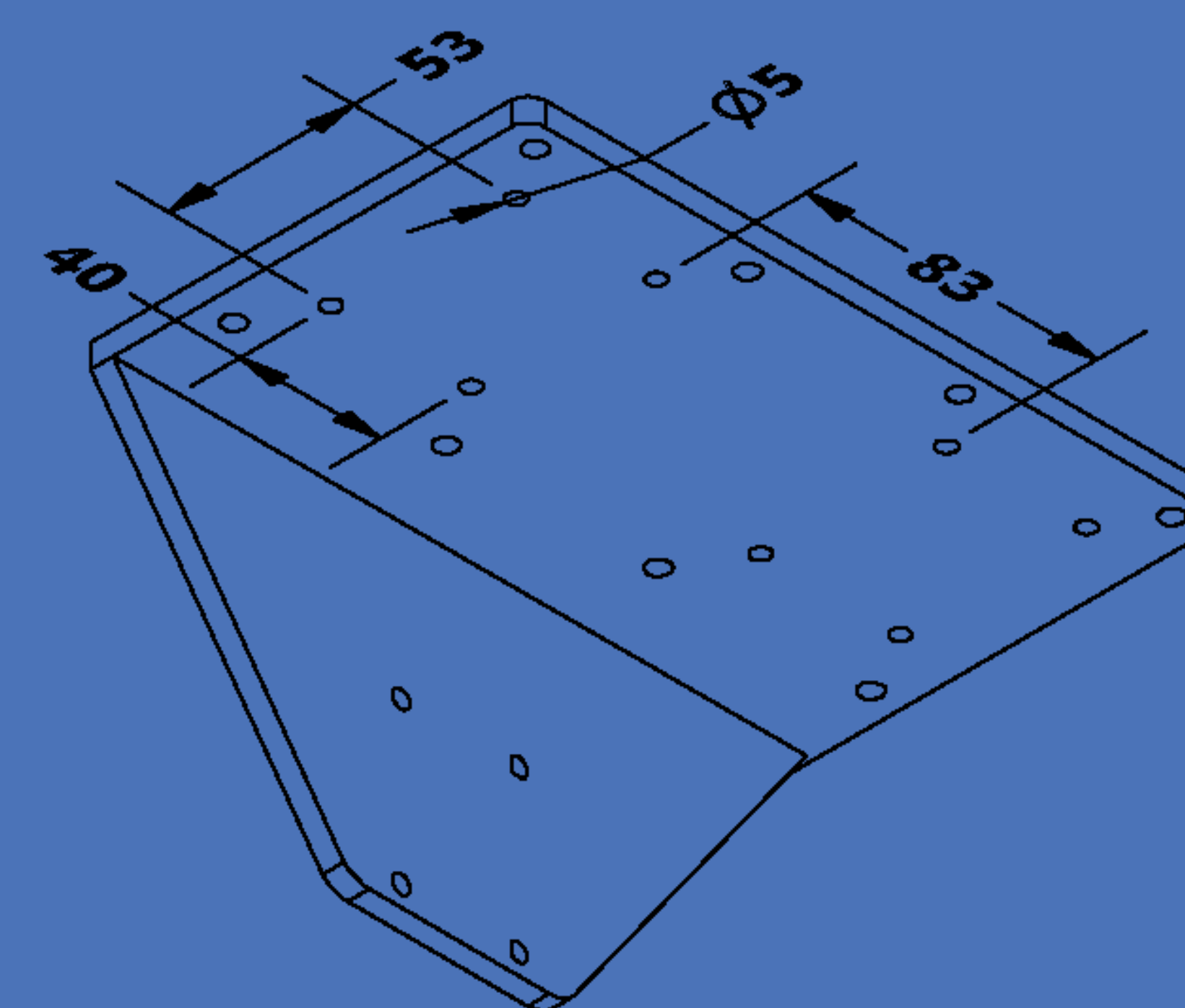
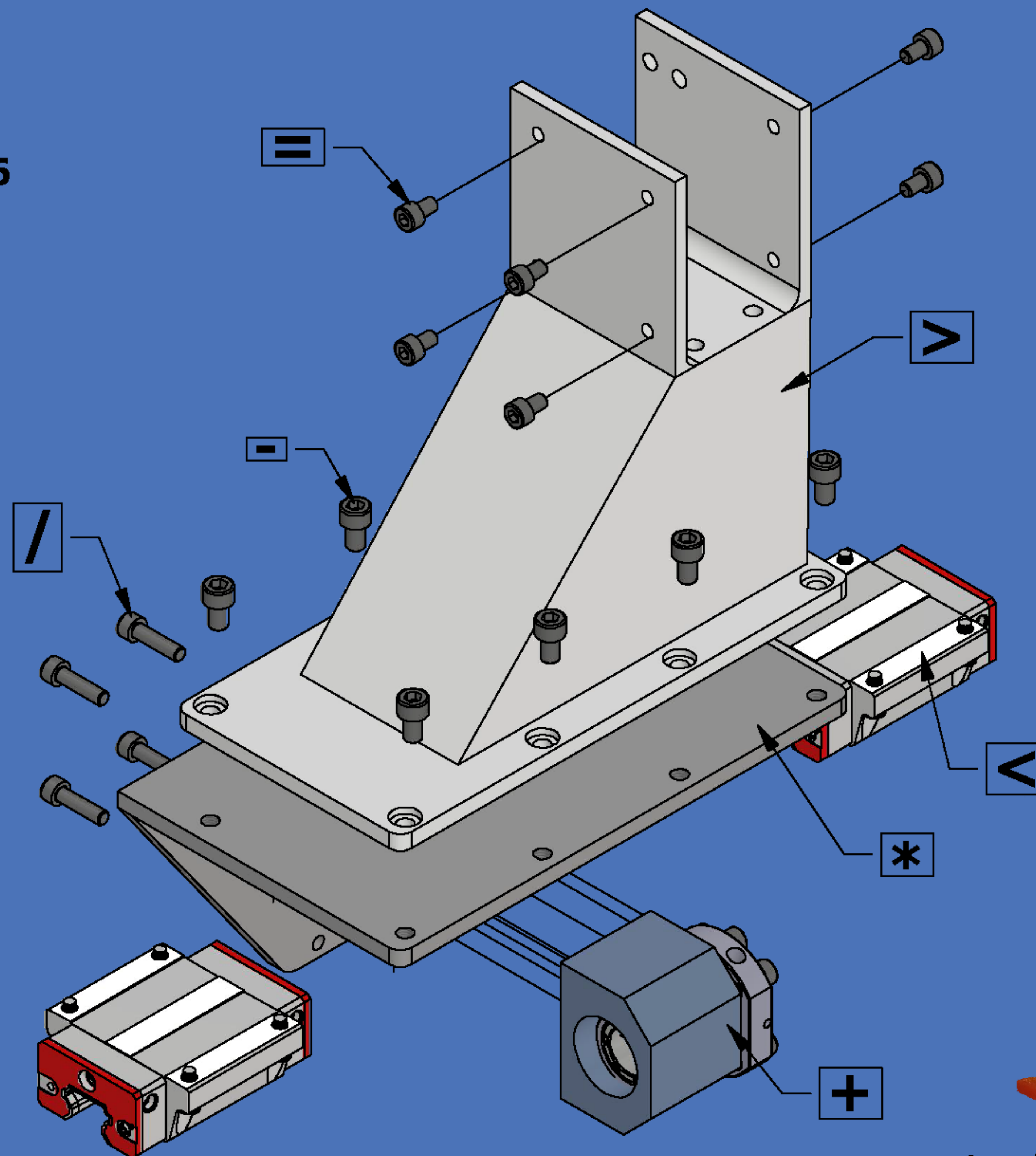
A

A

A

A

M5 x 8 (x6)	=
Riser Right	V
M5 x 19 (x4)	/
M5 x 8 (x8)	-
HWG20CC (x2)	<
Riser Bracket	*
SFU1605-1610	+



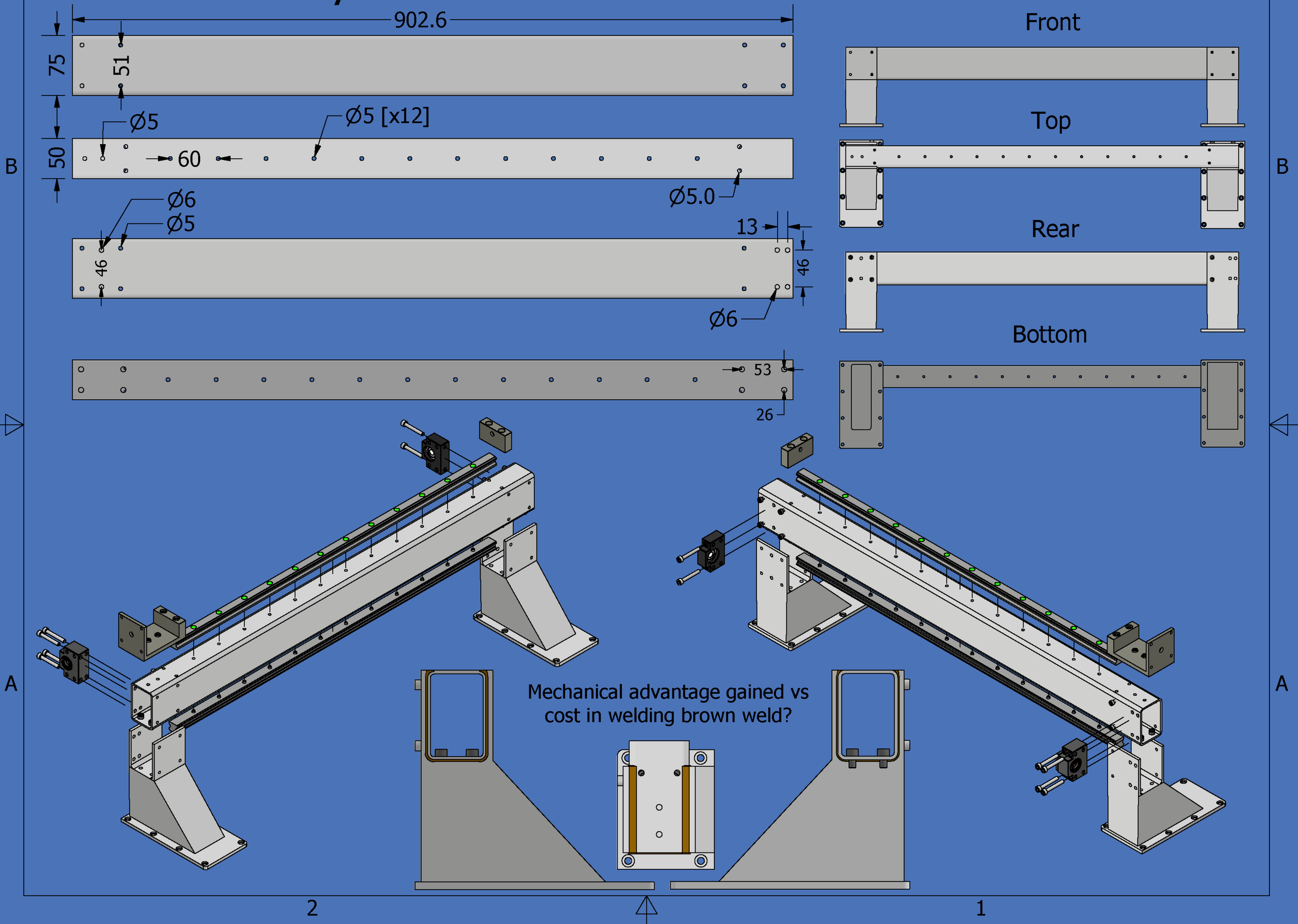
Riser Bracket [F]

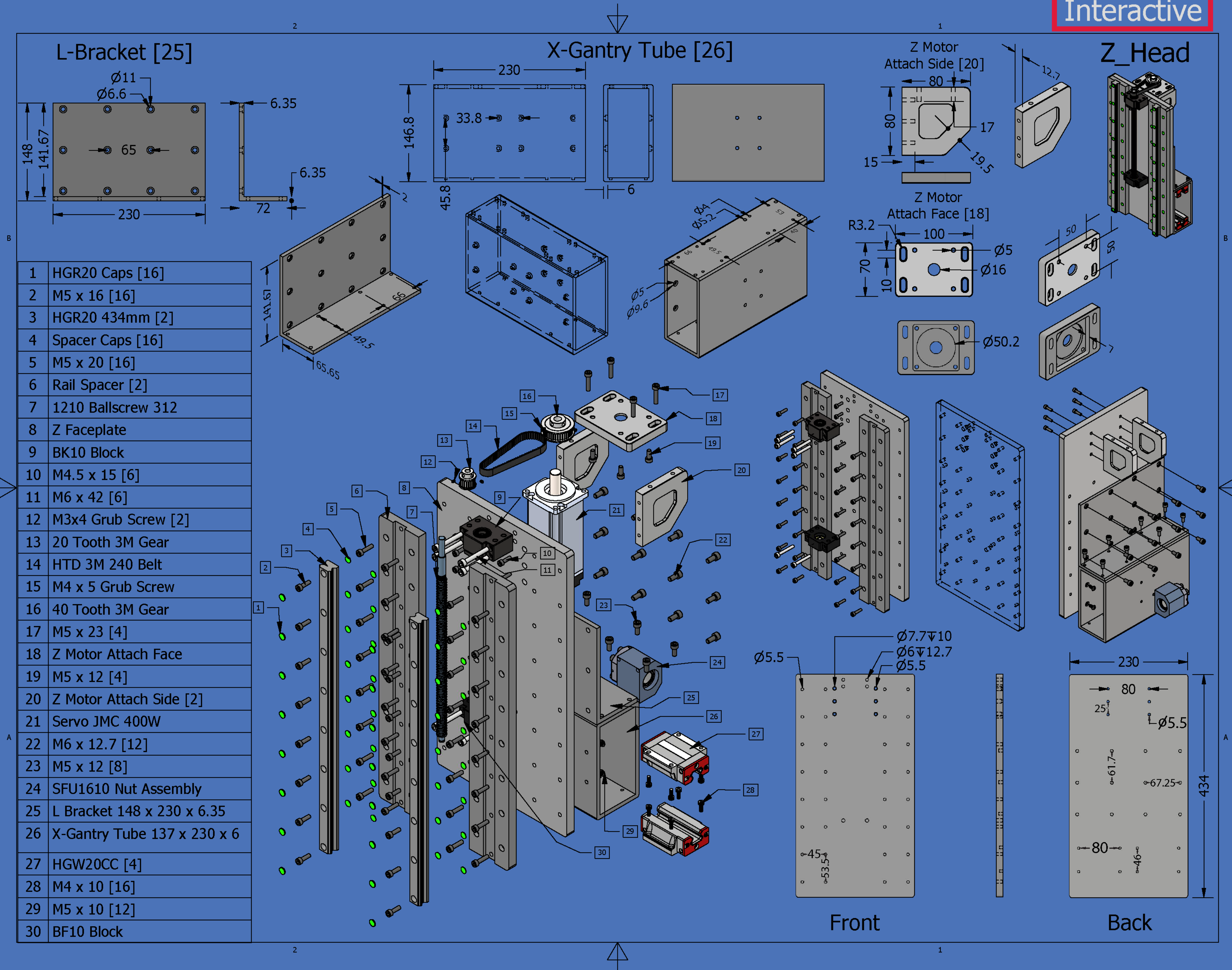
petg FDM Print .38 Scale

Manufacturing via print, cast, machine, 1
or SLS then machine, or..?



Steel X-Gantry





Z_Axis_Solid

Spindle Mounts

2.2 KW ATC Spindle

M6 x 34 (x2)

Spindle Mount Top

M6 x 12 (x2)

HGW20CC (x4)

Spindle Mount Middle

M4 x 16 (x4)

1210 Nut Housing

M5 x 11 (x8)

M8 x 45 (x5)

Spindle Mount Bottom

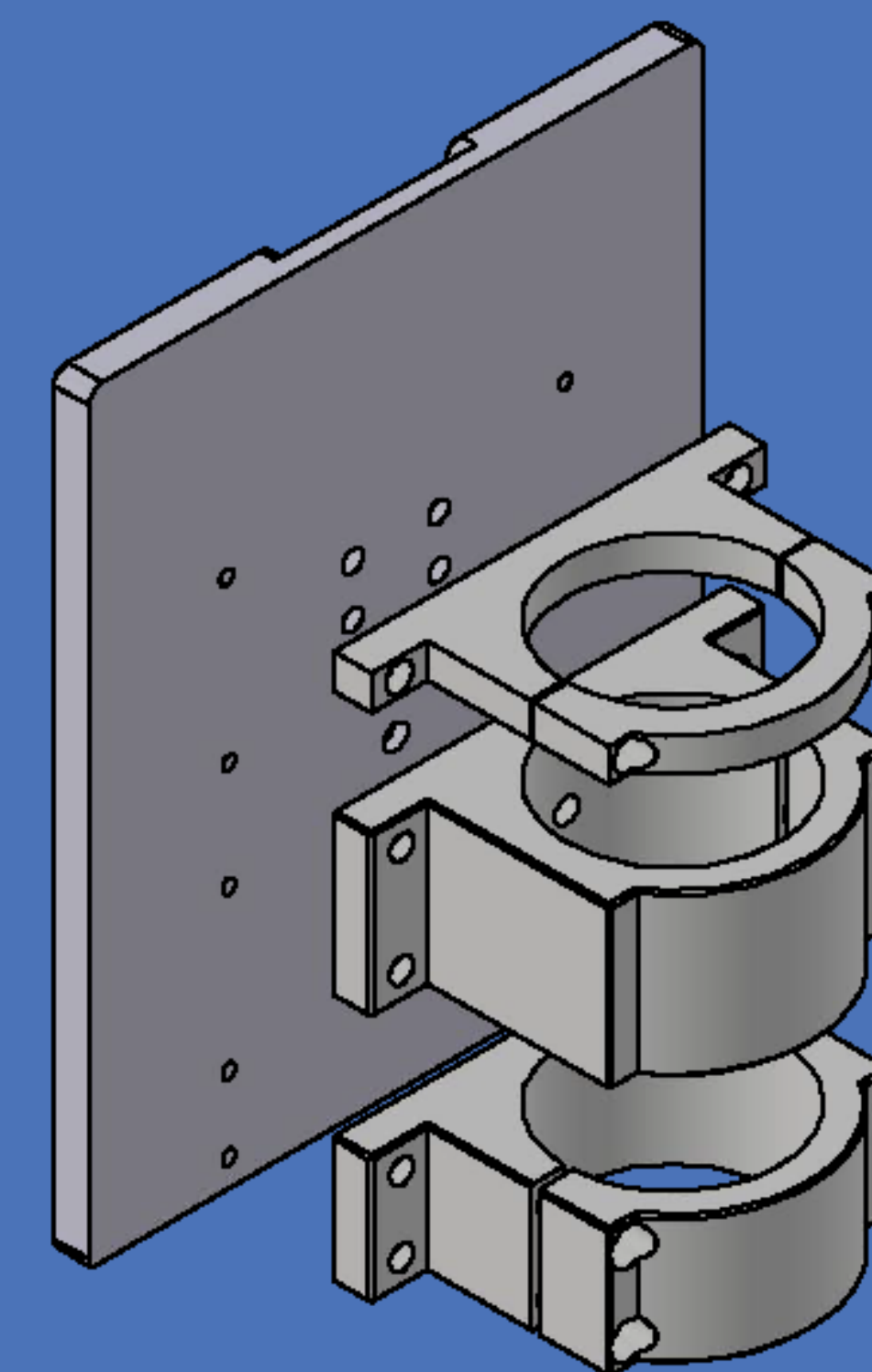
ISO20 Toolholder

M22 x 1.5 [13.5mm length]

ER16 Nut

ER16 Collet

Ø38mm Face Mill



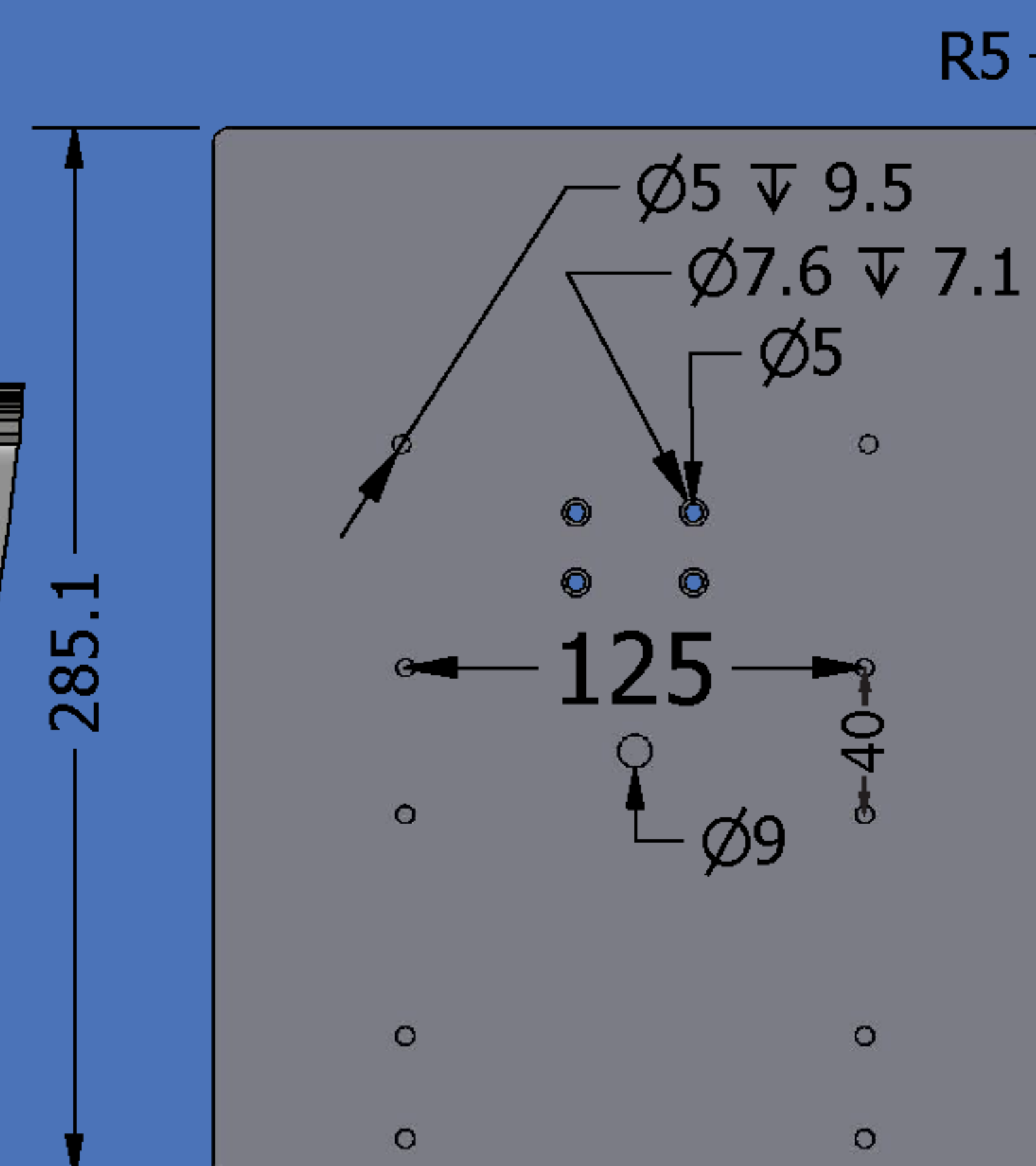
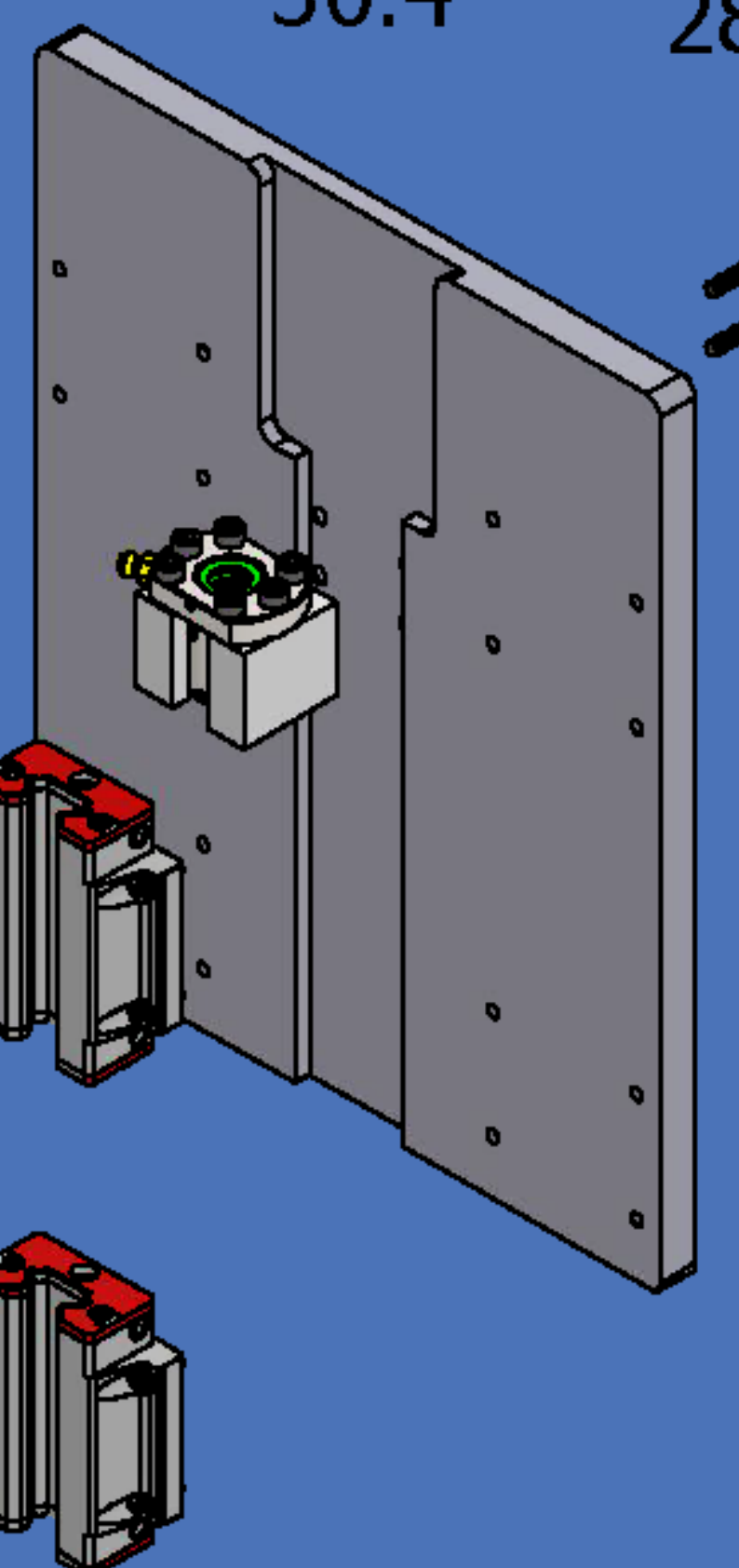
M4 x 10 (x16)

Top

Middle

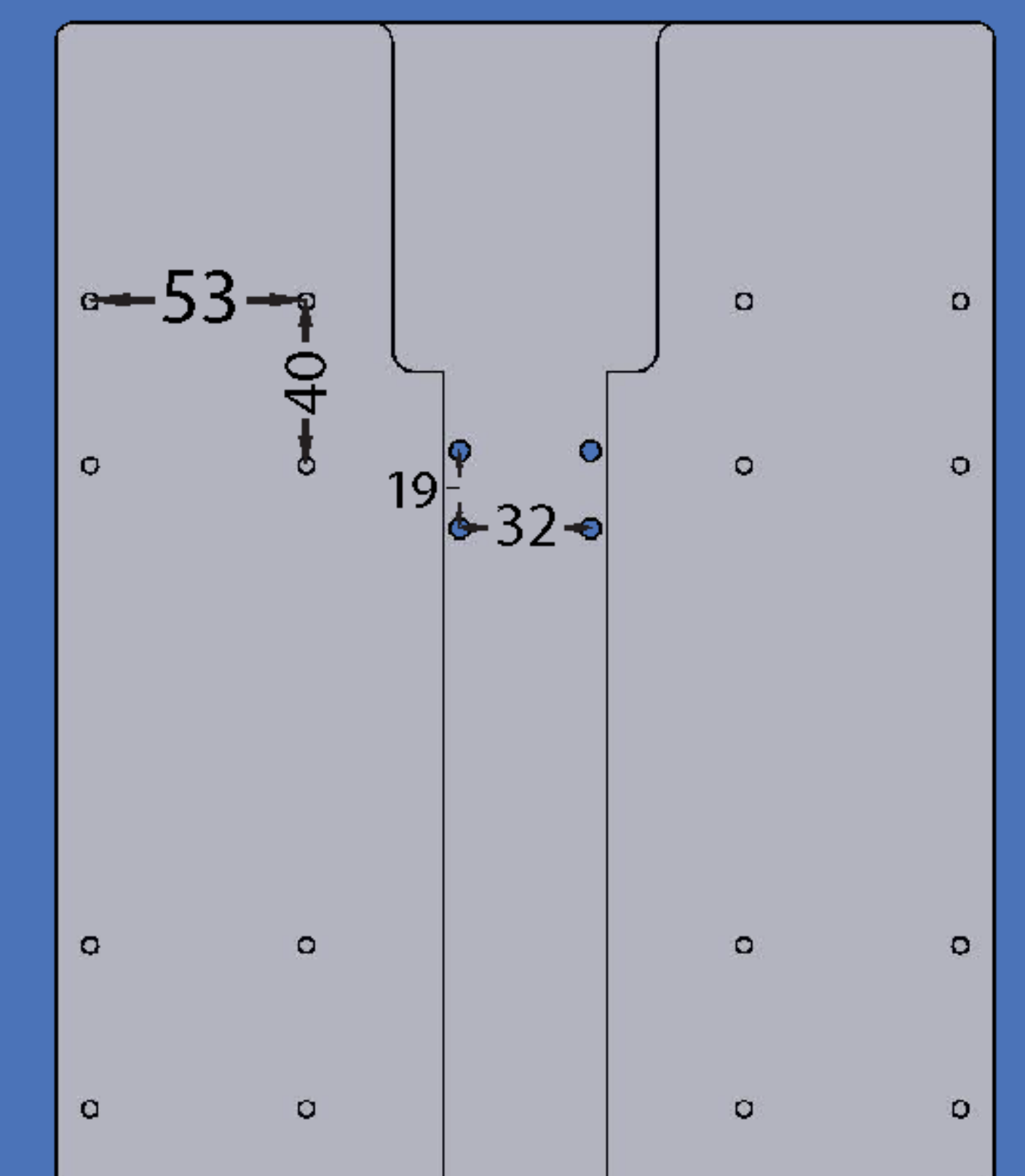
Bottom

80
40
125
25



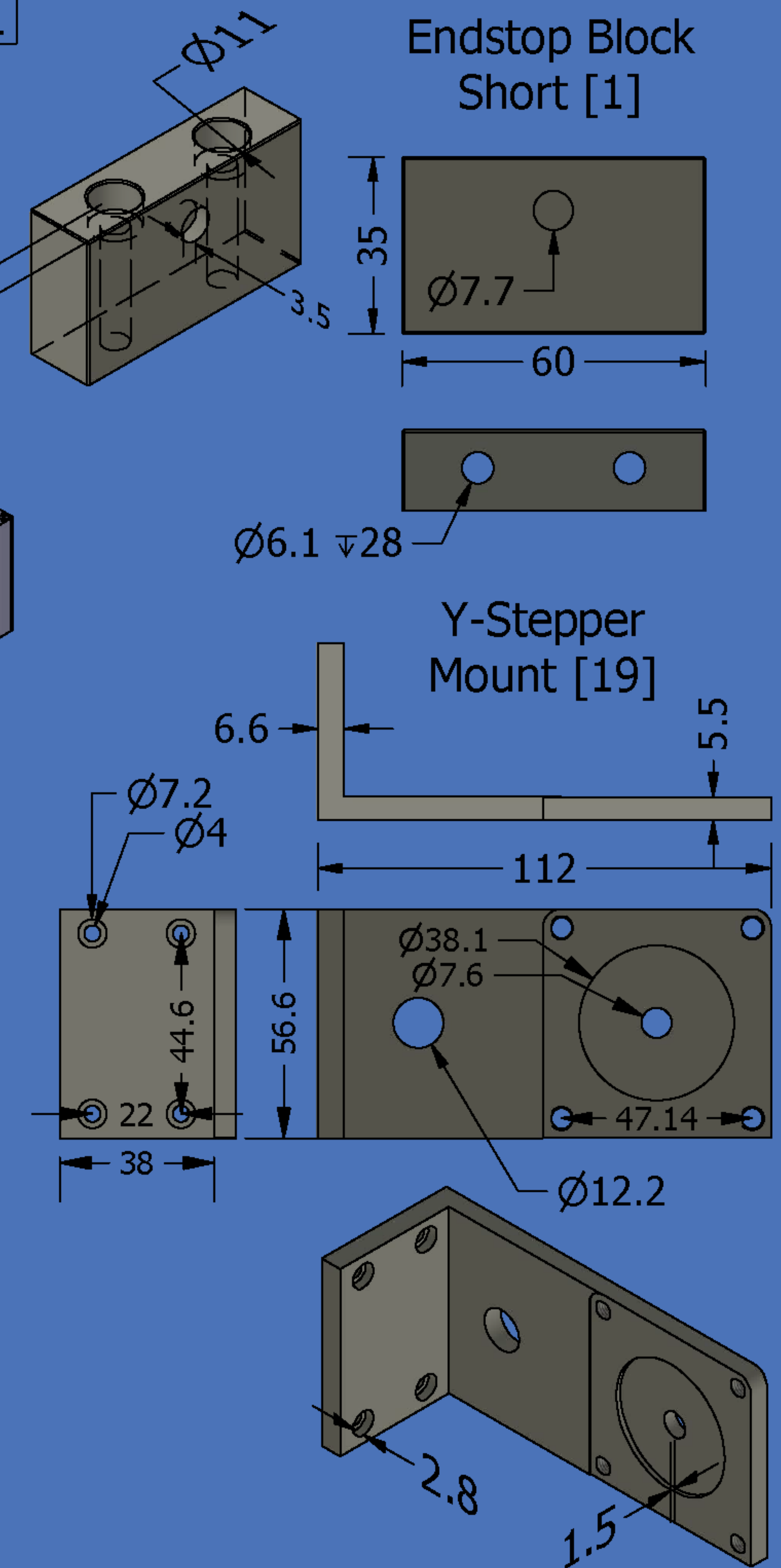
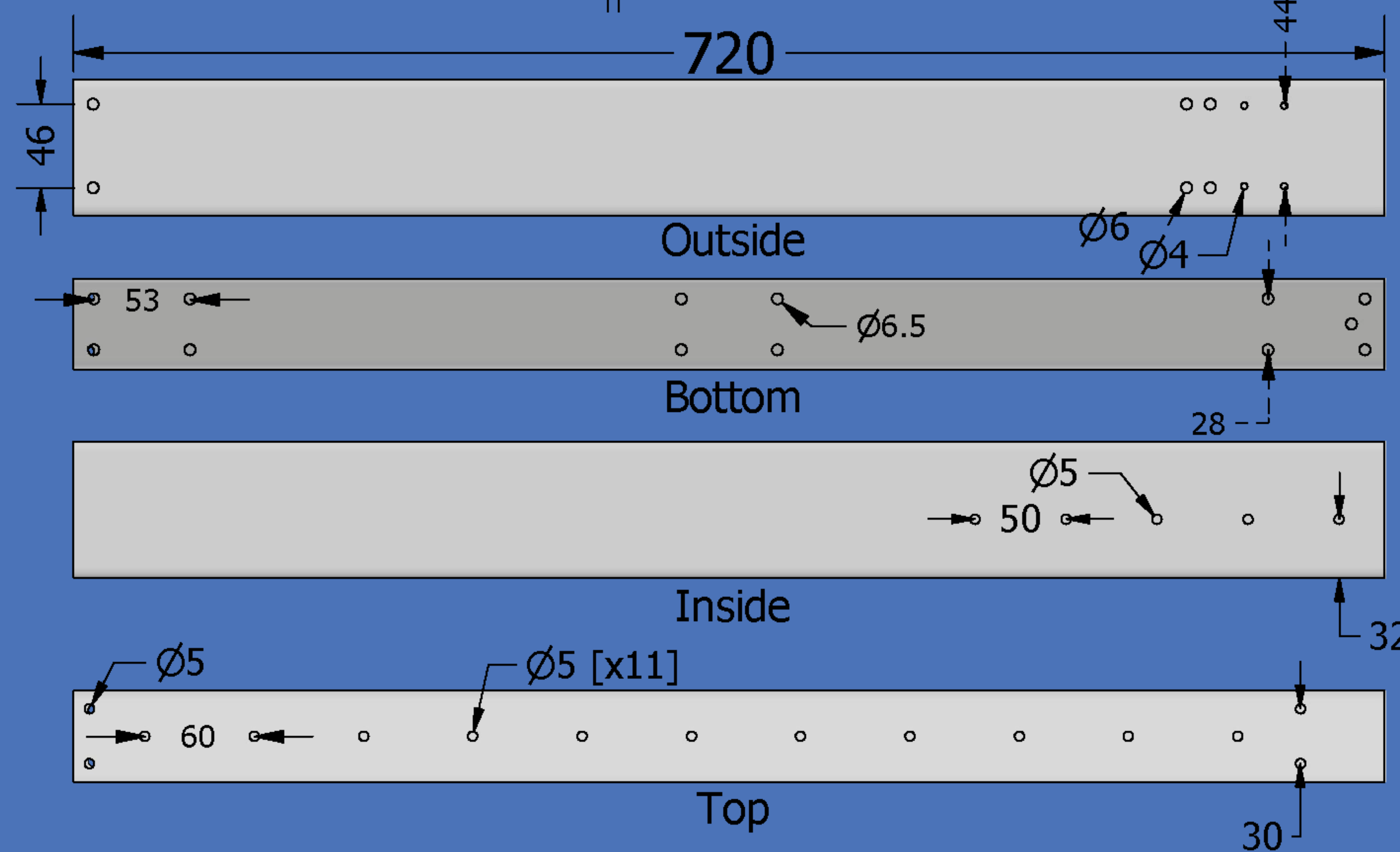
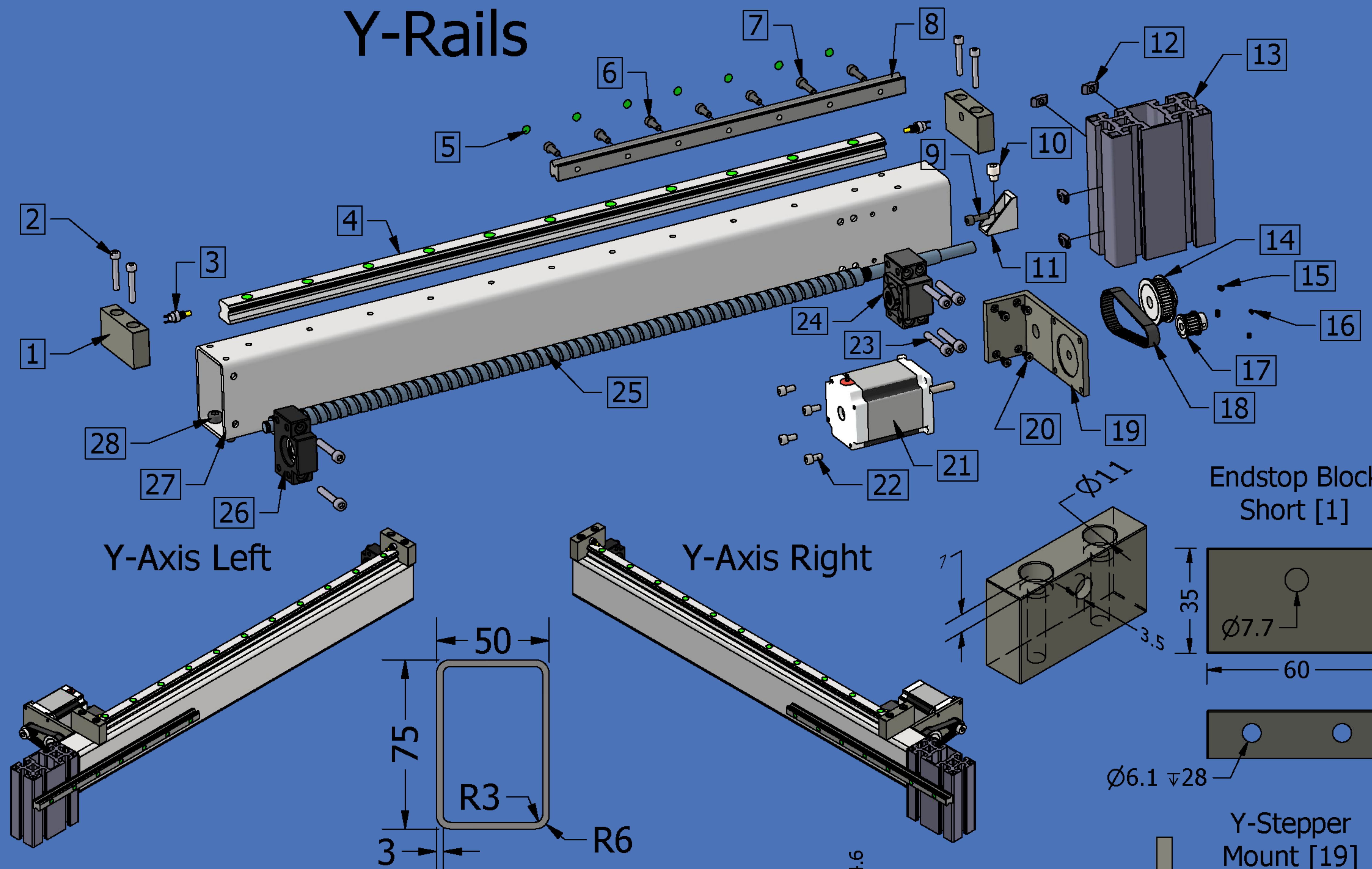
Front

Tram Plate



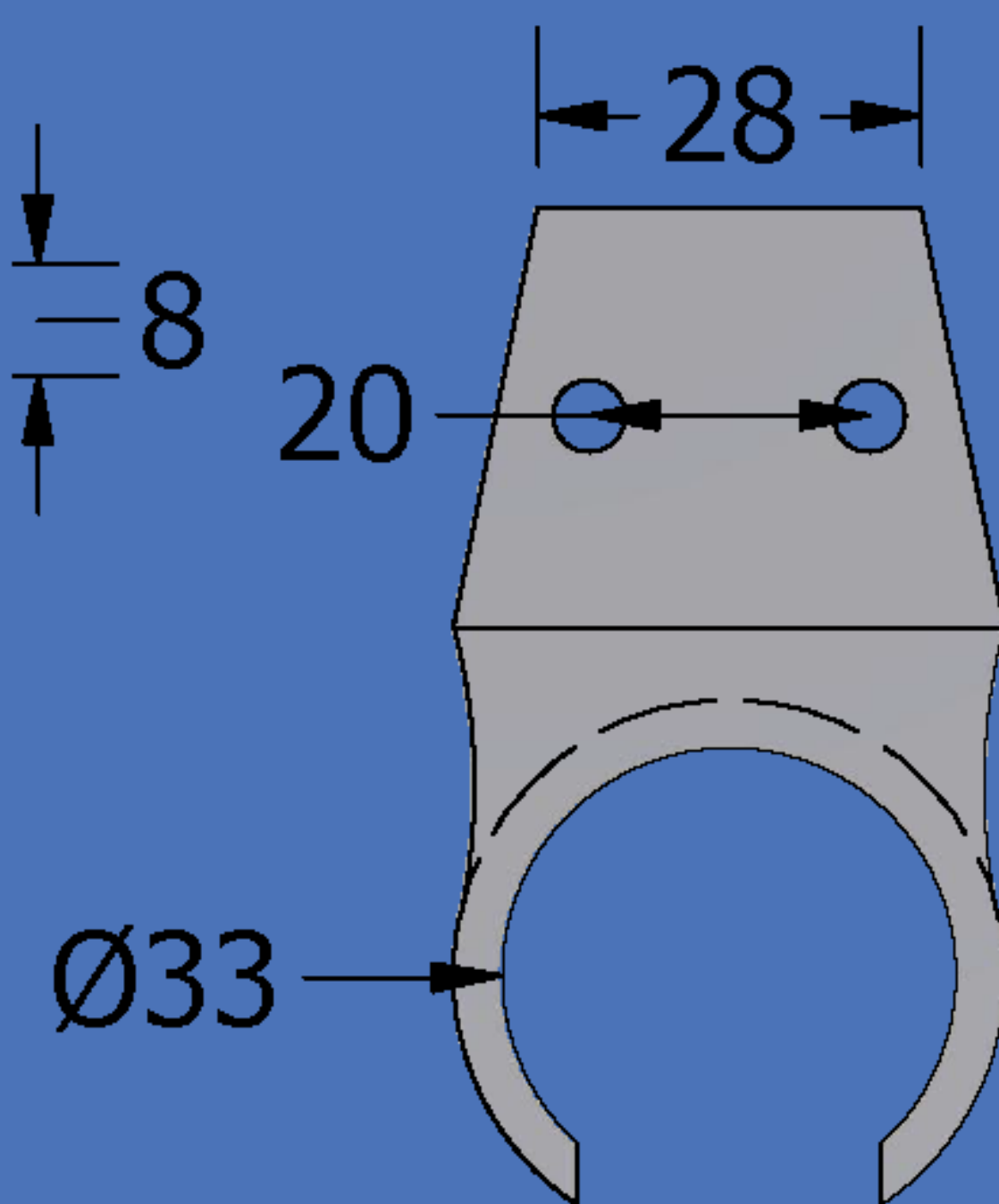
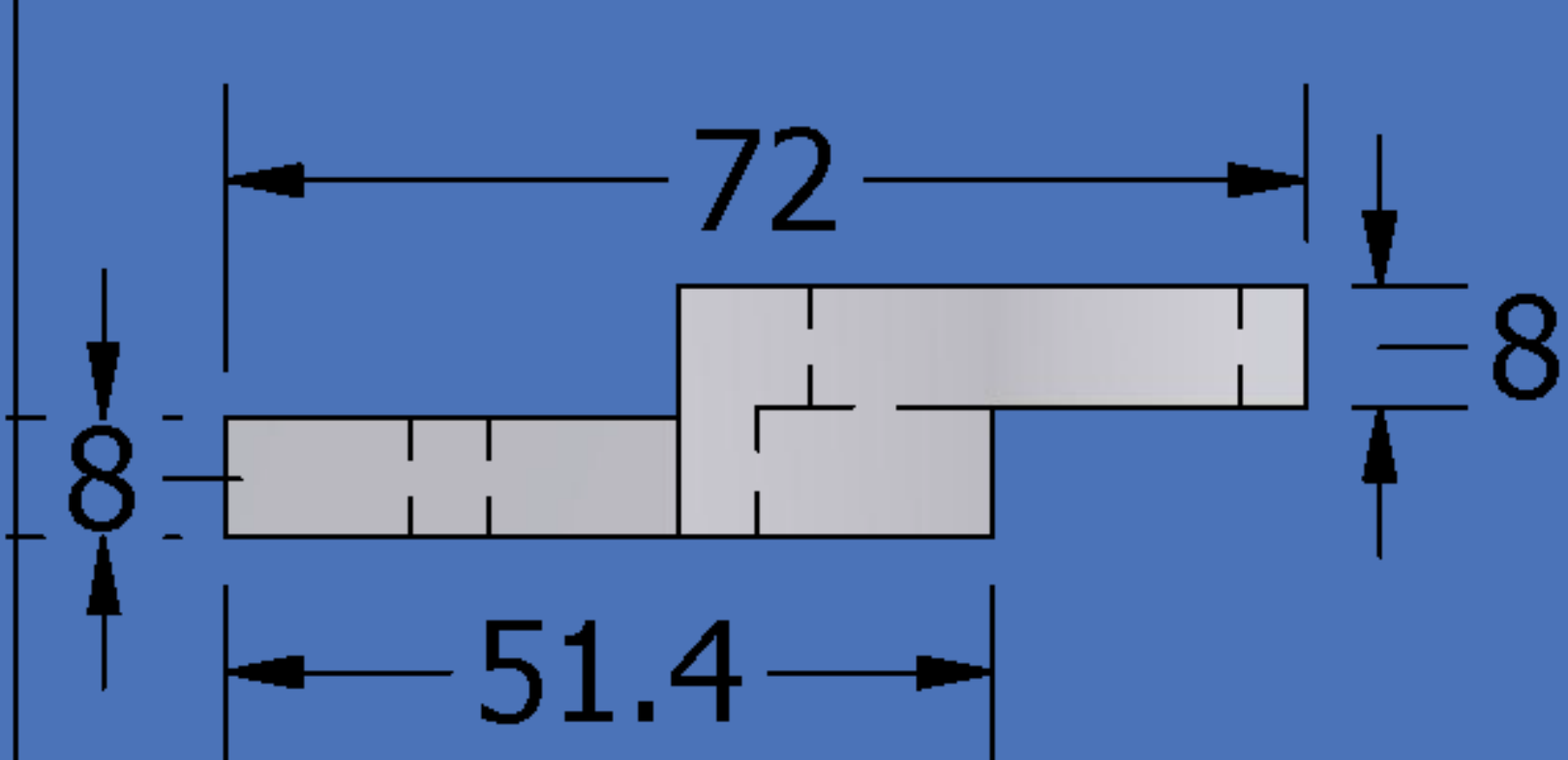
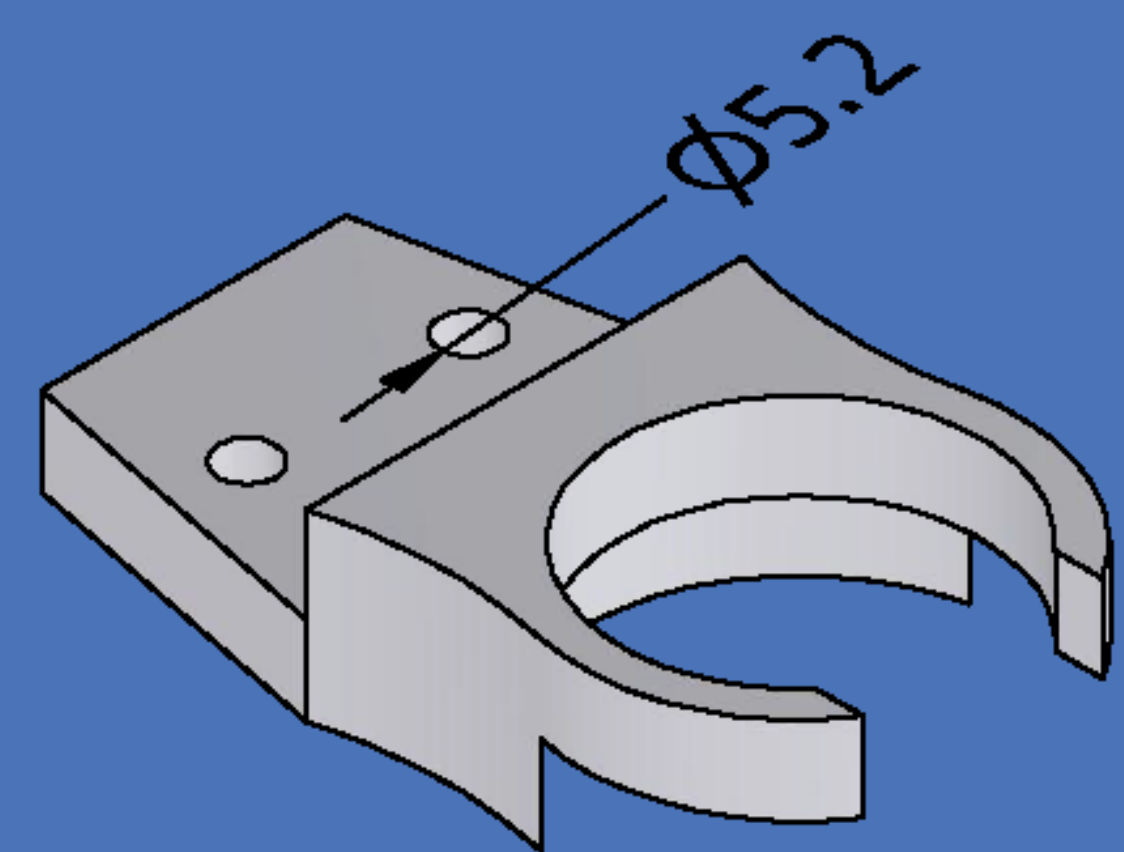
Rear

1	Endstop Block Short
2	M5 x 31 Hex Bolt [4]
3	Limit Switch (7397K21) [2]
4	HGR20 Linear Rail Assembly 650mm
5	M5 Bolt Caps [18]
6	M5 x 13 Hex Bolt [5]
7	M5 x 20 Hex Bolt [2]
8	HGR15R 344mm Linear Rail
9	M5 x 16 Hex Bolt
10	M7 x 7 Hex Bolt
11	HBLFSNK6 [Modified]
12	M5 TNuts [4]
13	H568 50100 125mm
14	40 Tooth 3M Gear
15	M4 Grub Screw [2]
16	M3 x 4 Grub Screw [2]
17	20 Tooth 3M Gear
18	GT Cable 80 Tooth
19	Stepper Motor Mount
20	M4 x 6 Hex Bolts [4]
21	Nema Stepper 57BYGH627
22	M5 x 10 Hex Bolts [4]
23	M6 x 34 Hex Bolts [6]
24	BK12 Block
25	1610 Ballscrew 700mm
26	BF12 Block
27	Steel Tubing 720mm
28	M7 x 8 Hex Bolts [12]

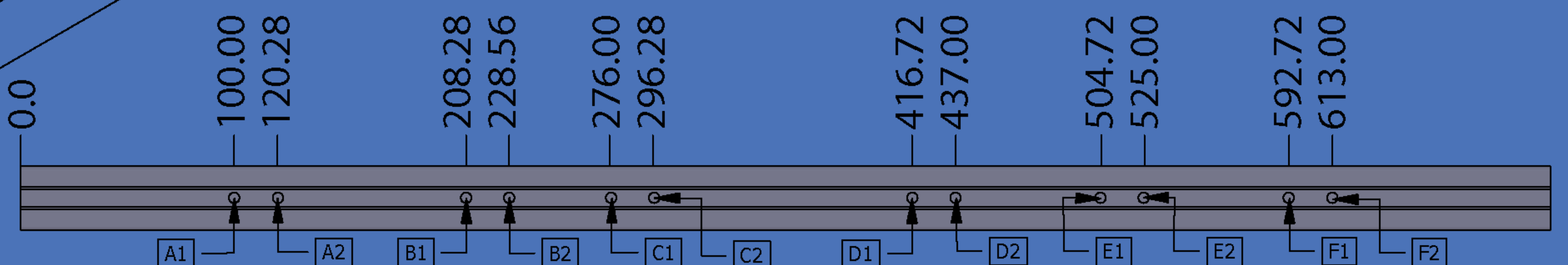
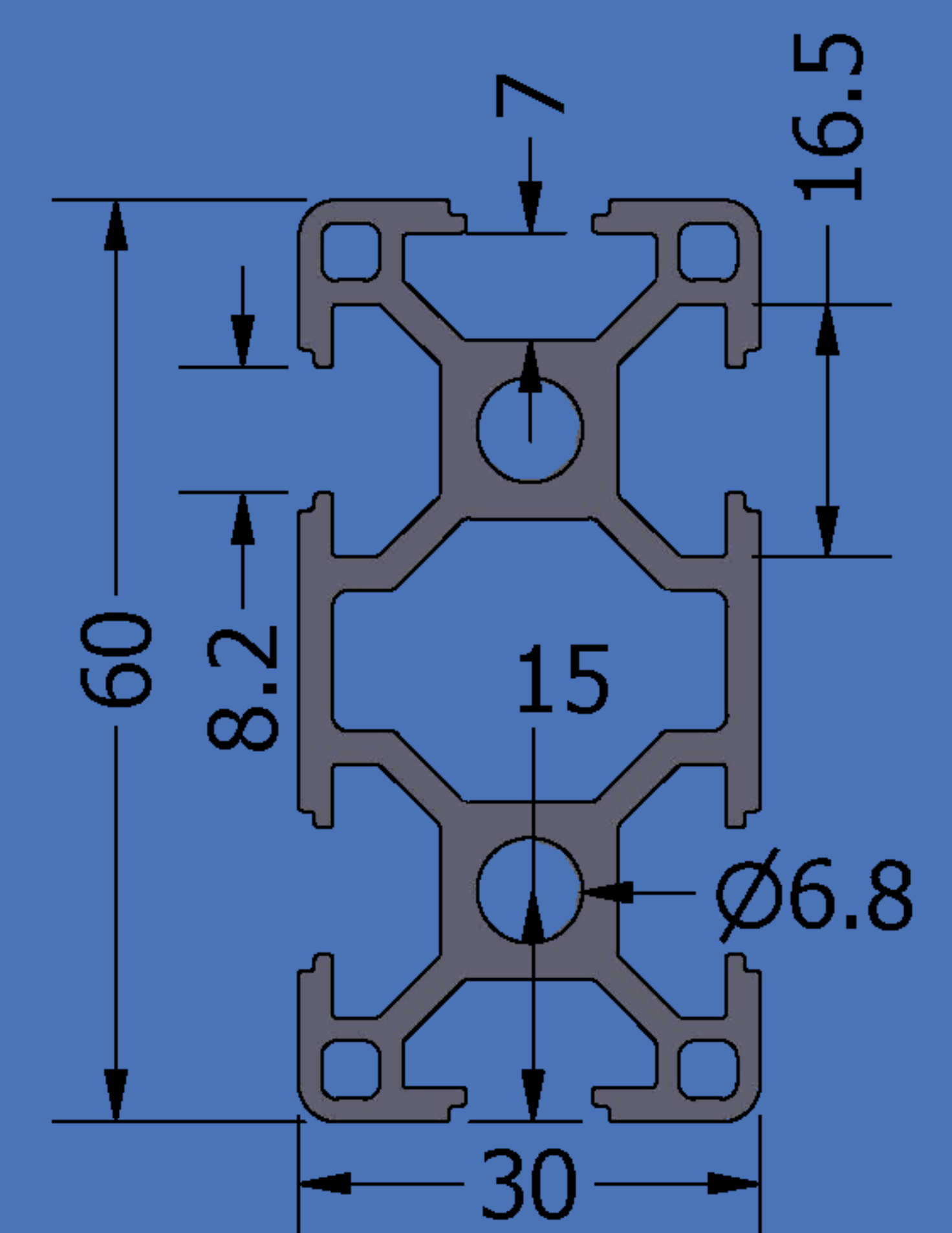
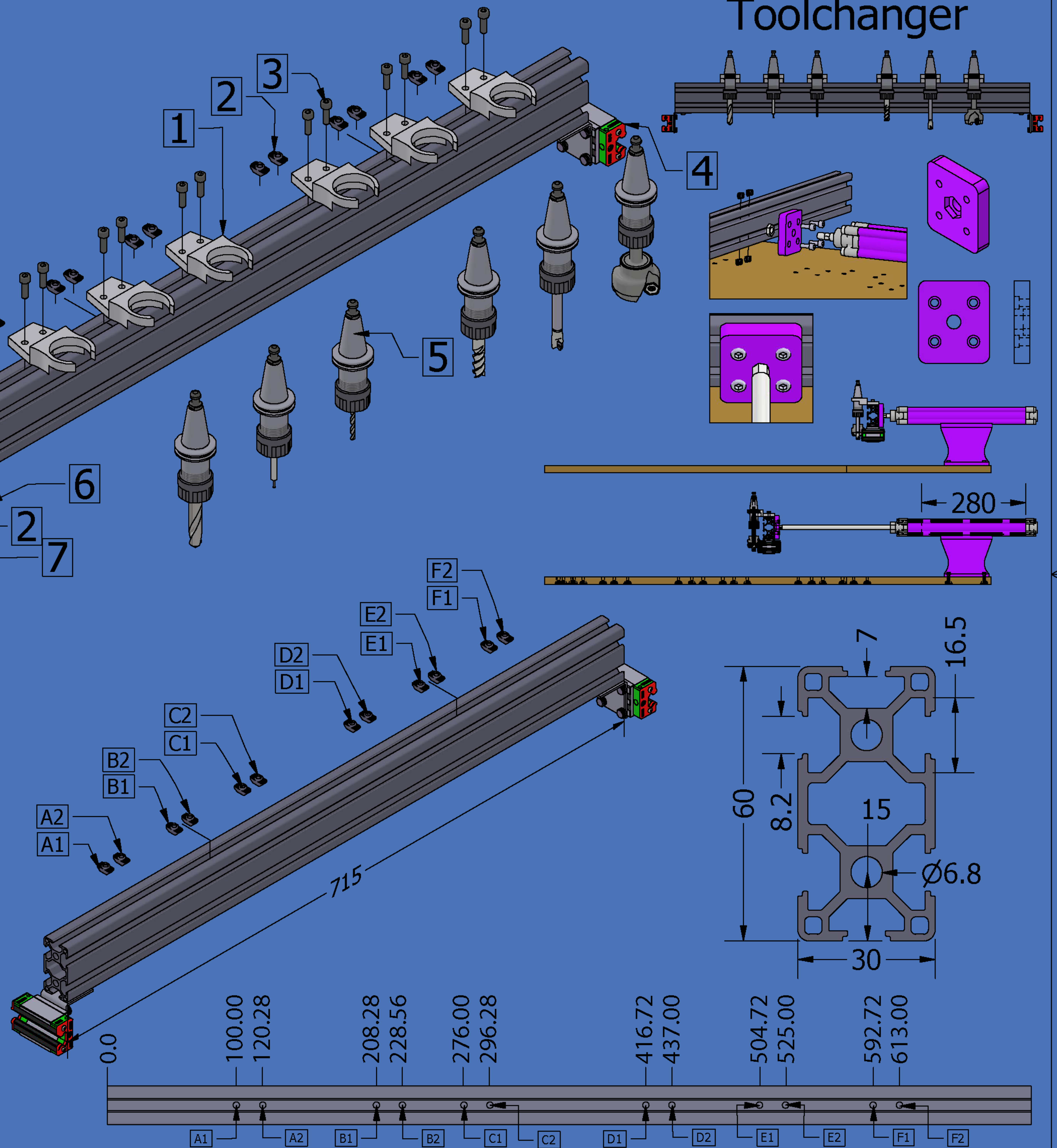
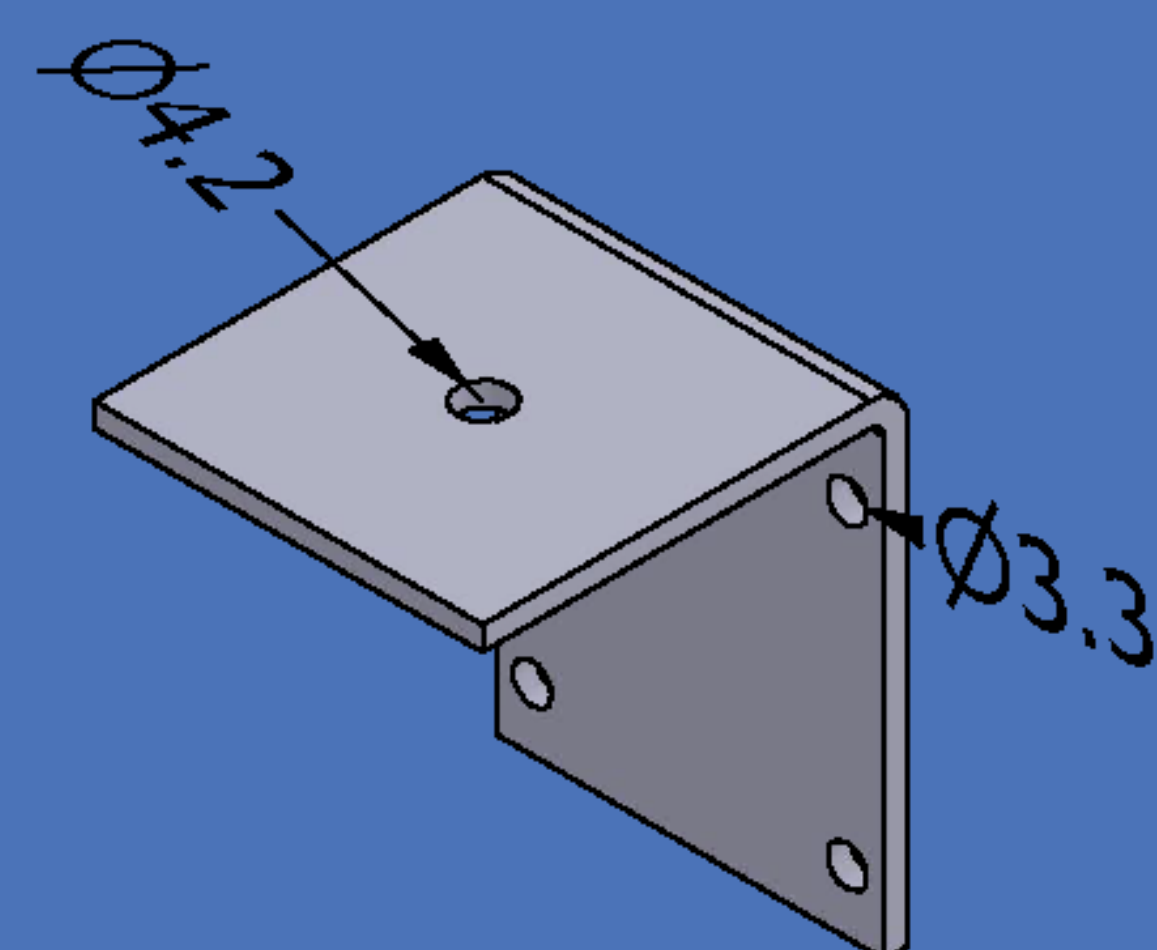


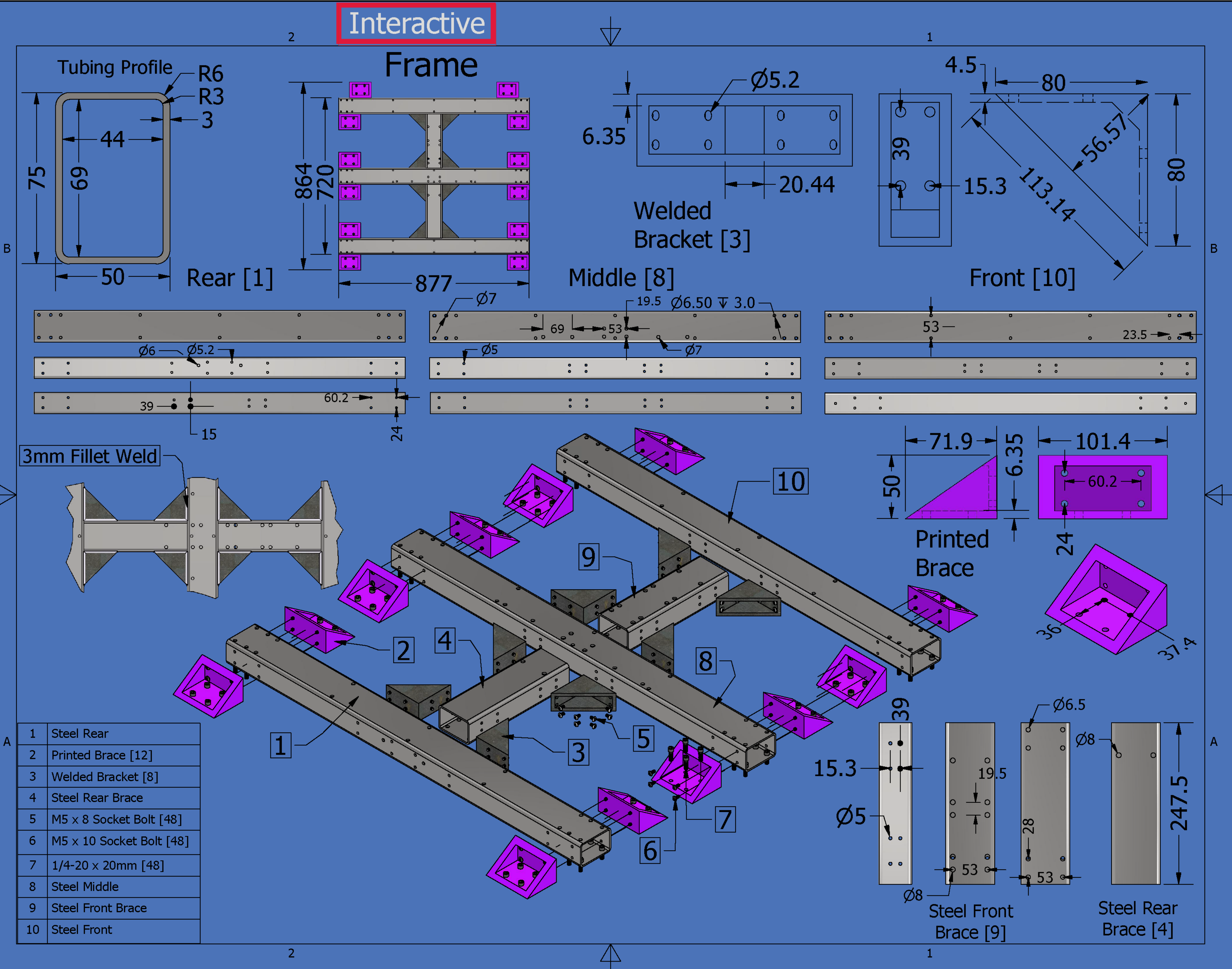
1	Tool Fork Print
2	TNut M5 [14]
3	M5 x 16 [12]
4	HGH15CA [2]
5	ISO20 Toolholder [6]
6	Fidlock Snap Bolt M3.5 [6]
7	M5 x 10 Hex Bolt [2]
8	L-Bracket
9	RTR-8-3060 715mm

Toolchanger



[8] L-Bracket





Interactive

2

Interactive

1

Tailstock [3]

Lathe Tower [9]

B

B

A

A

1	Table Top
2	Spoilerboard
3	Tailstock
4	Stock
5	4-Jaw Chuck
6	Chuck Faceplate
7	Spindle
8	Lager 20x47x14 [2]
9	Spindle Tower
10	Nema 42 Stepper
11	30 : 1 Gear
12	Spindle Jam Nut
13	6M 120 Teeth Pulley

Dynamic Indexer

1

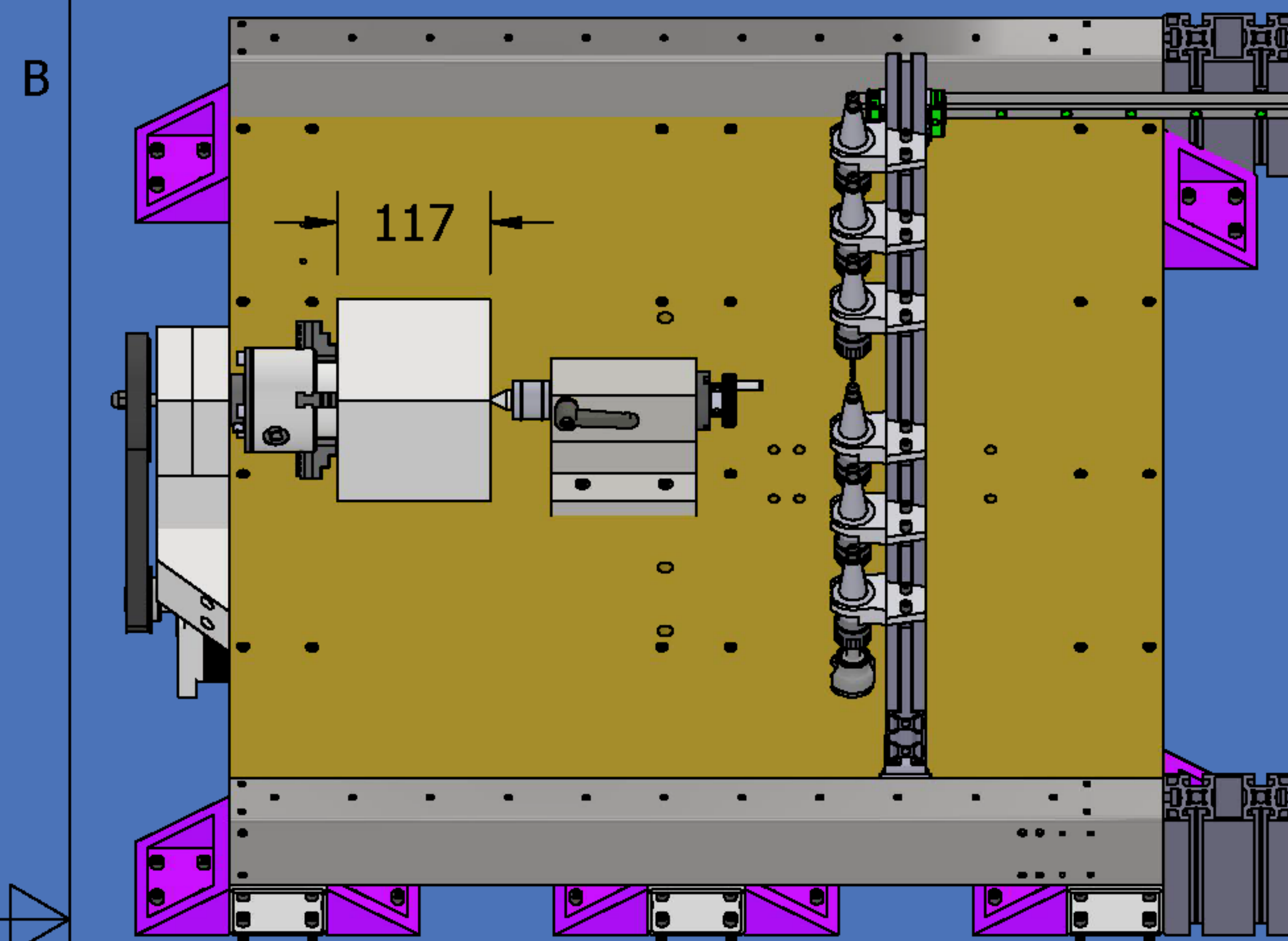
2

Dynamic Indexer Stock Variations

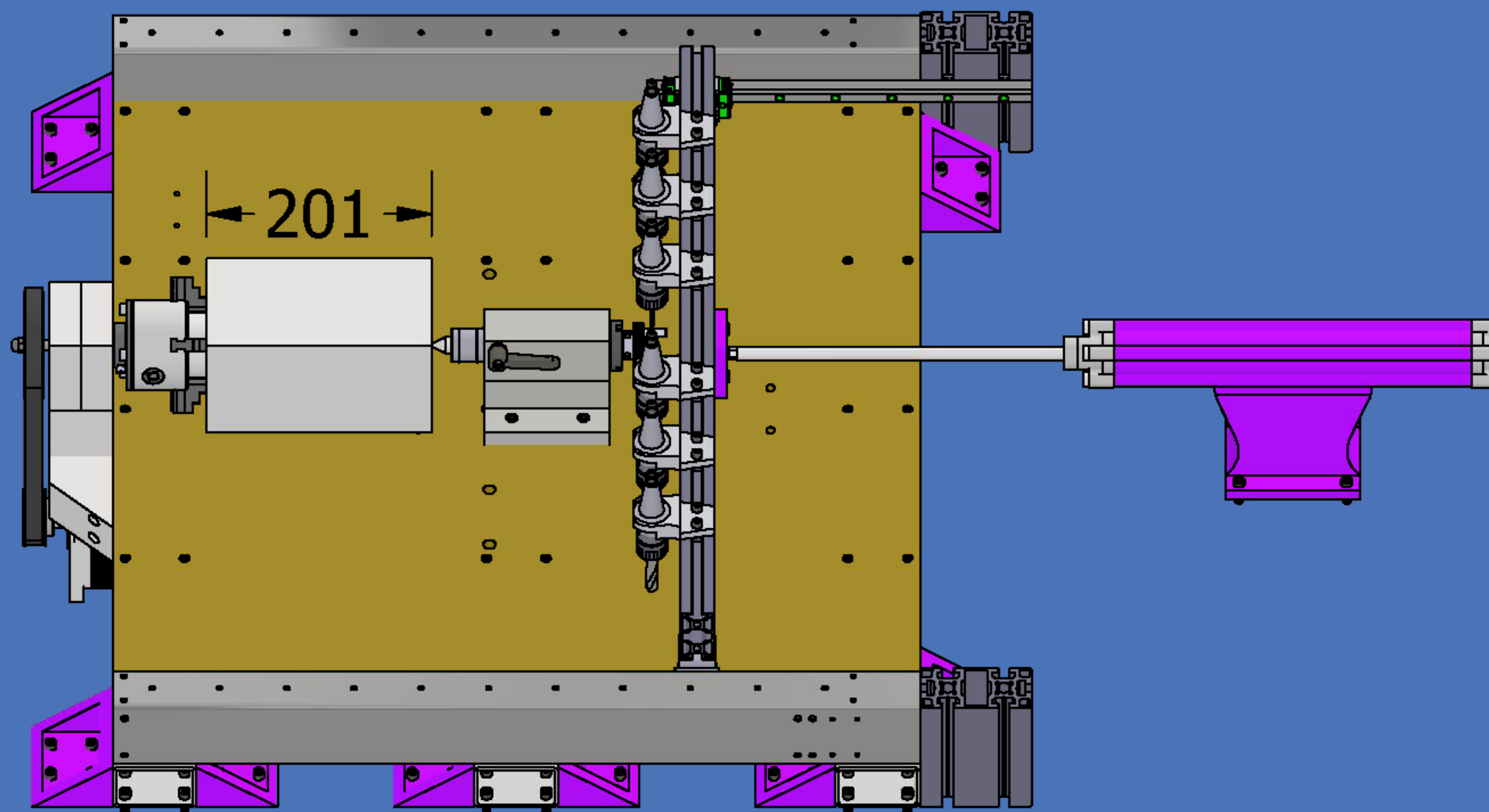
Four-Jaw Chuck

Tailstock fixtures every 83.5mm
Toolchanger travels 280 mm

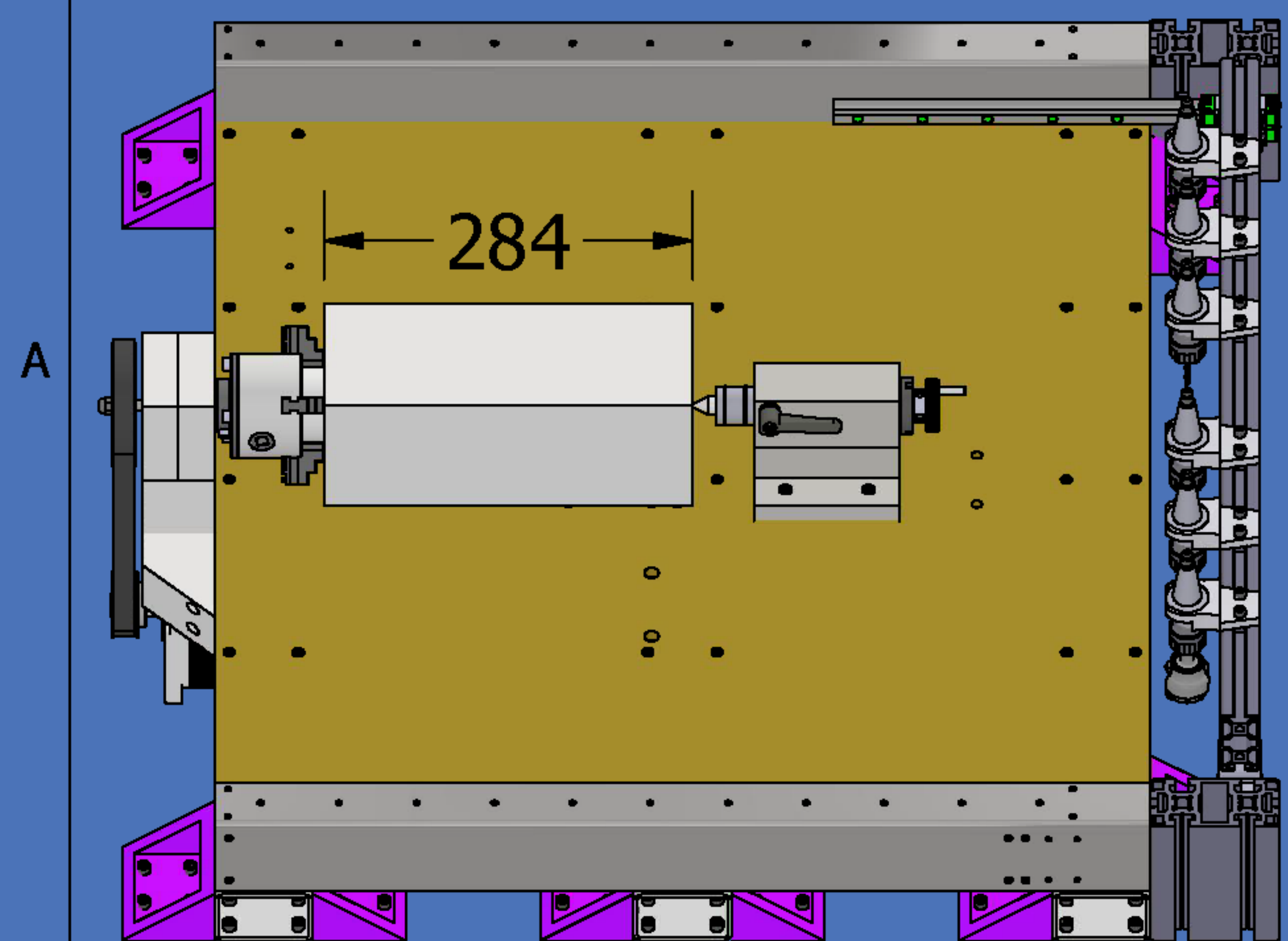
'Stock_Lathe_Square1': 117 - 37mm



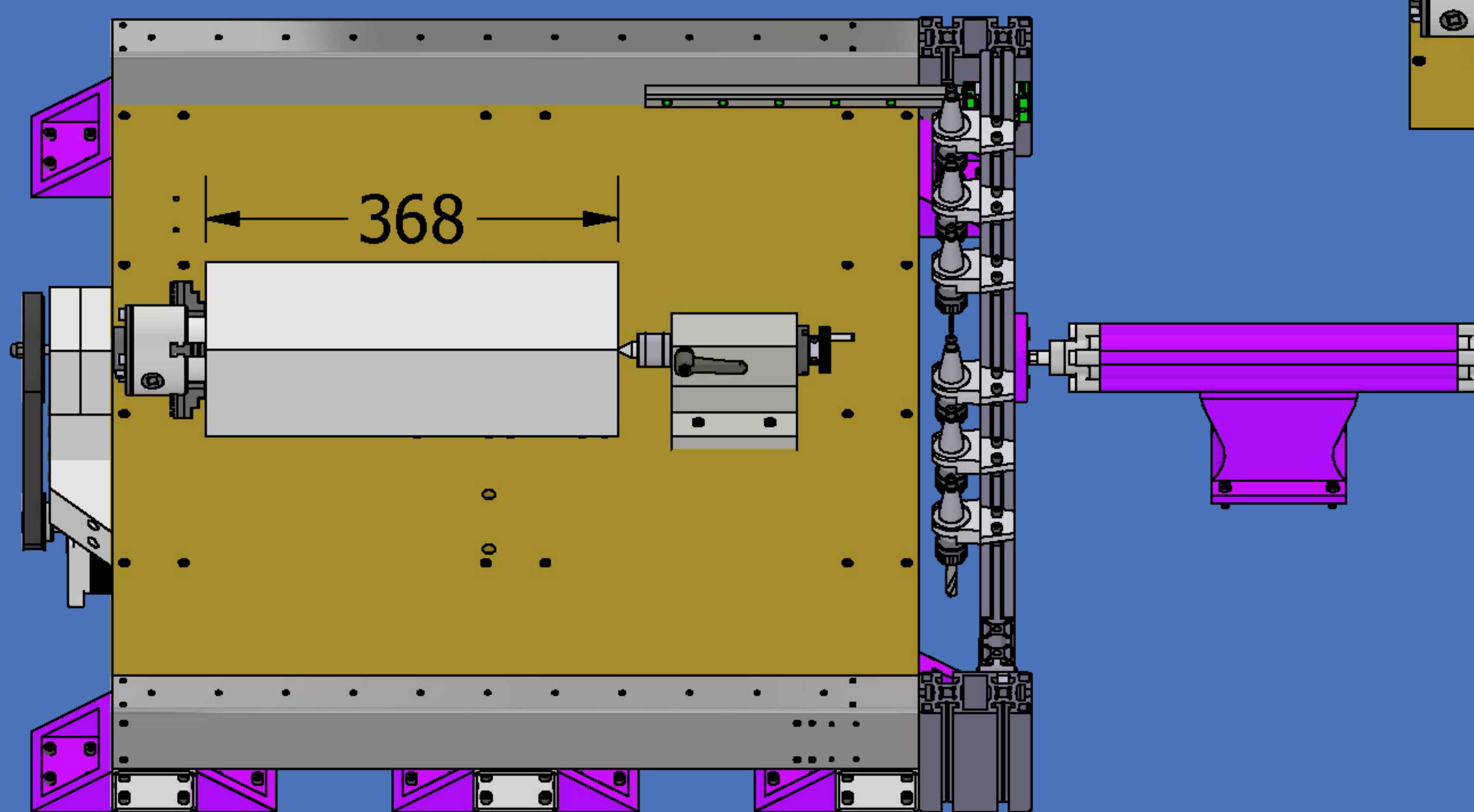
'Stock_Lathe_Square2': 201 - 121mm



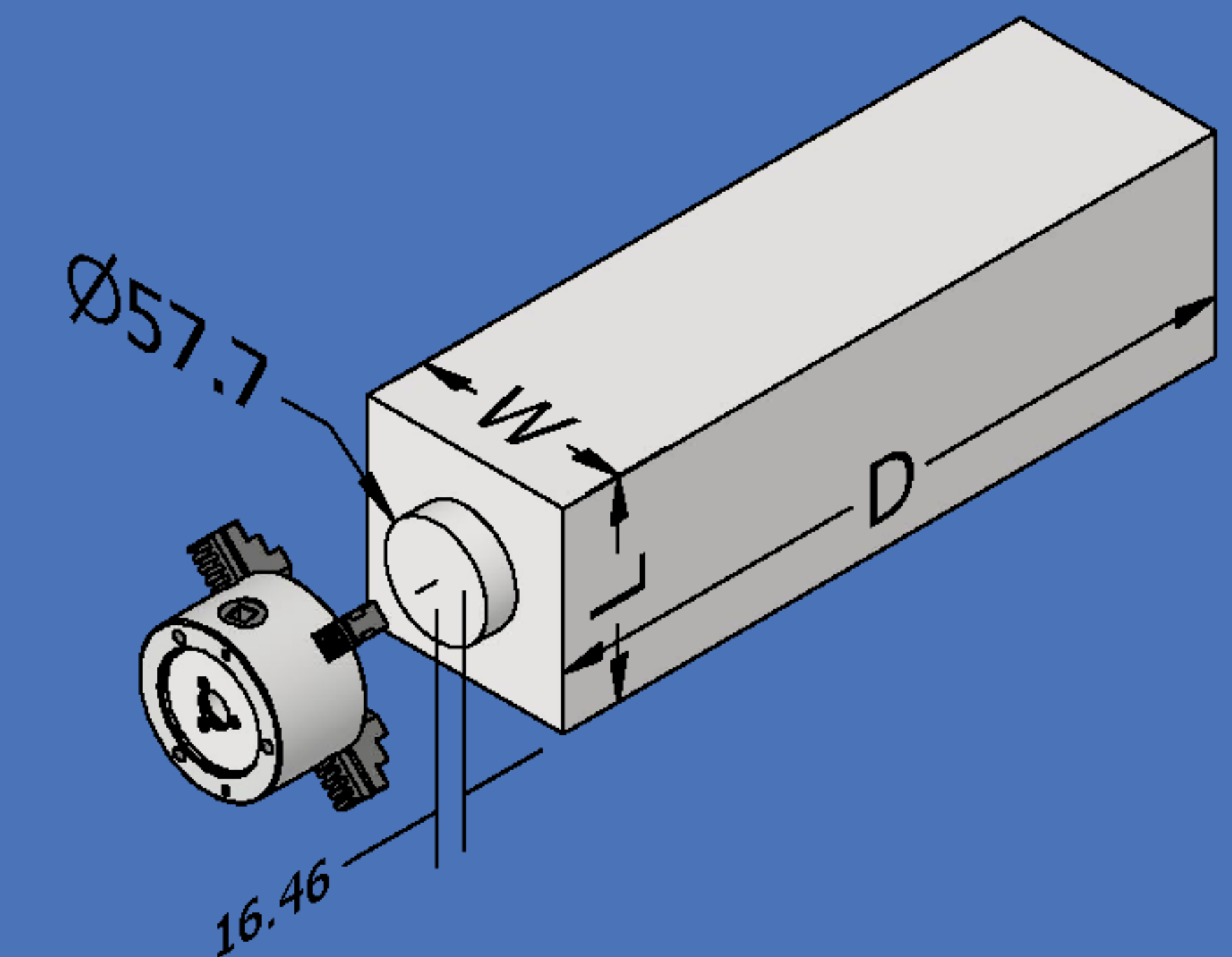
'Stock_Lathe_Square3': 284 - 204mm



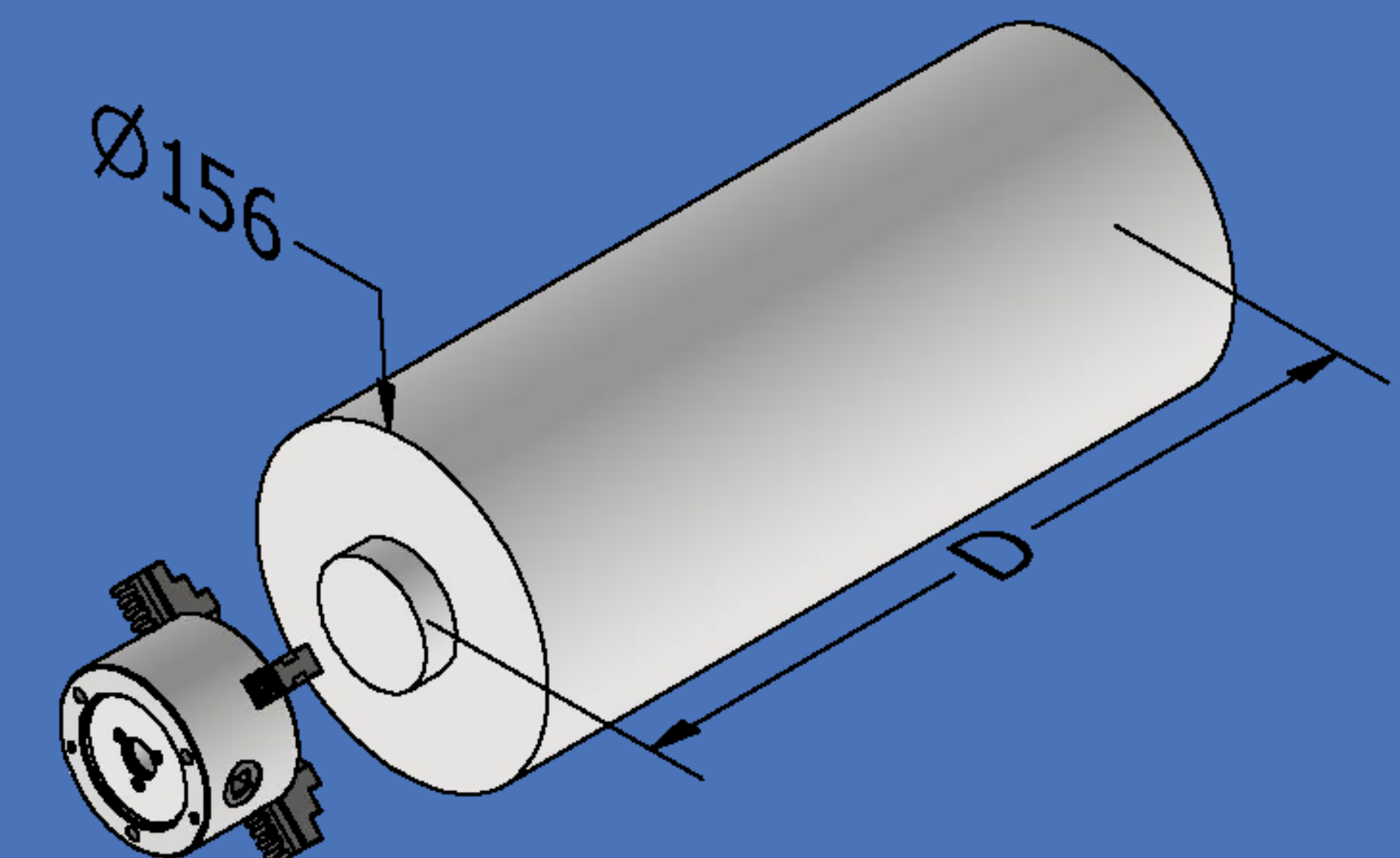
'Stock_Lathe_Square4': 368 - 288mm



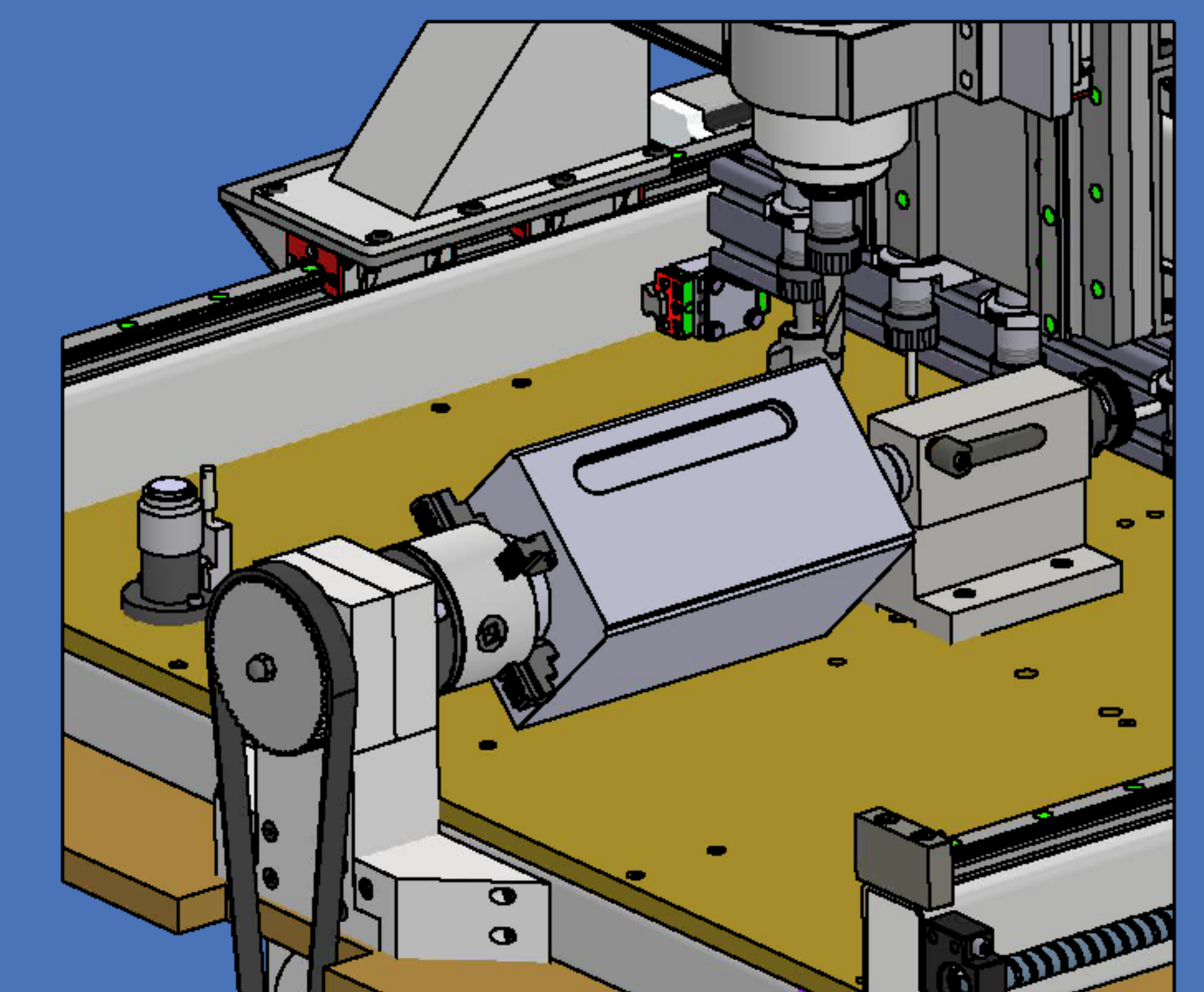
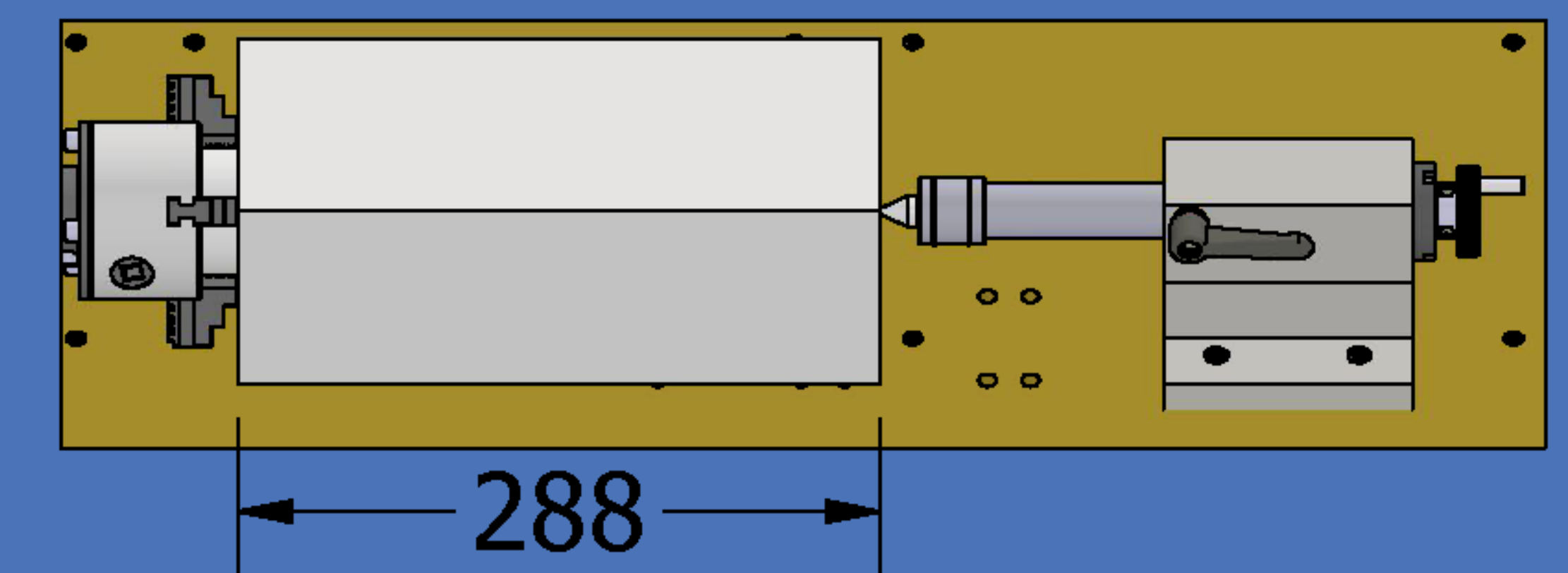
Max Square Stock: [LxWxD]
110 x 110 * 368mm



Max Round Stock: [$\varnothing$ x D]
 $\varnothing 156$ x 368mm

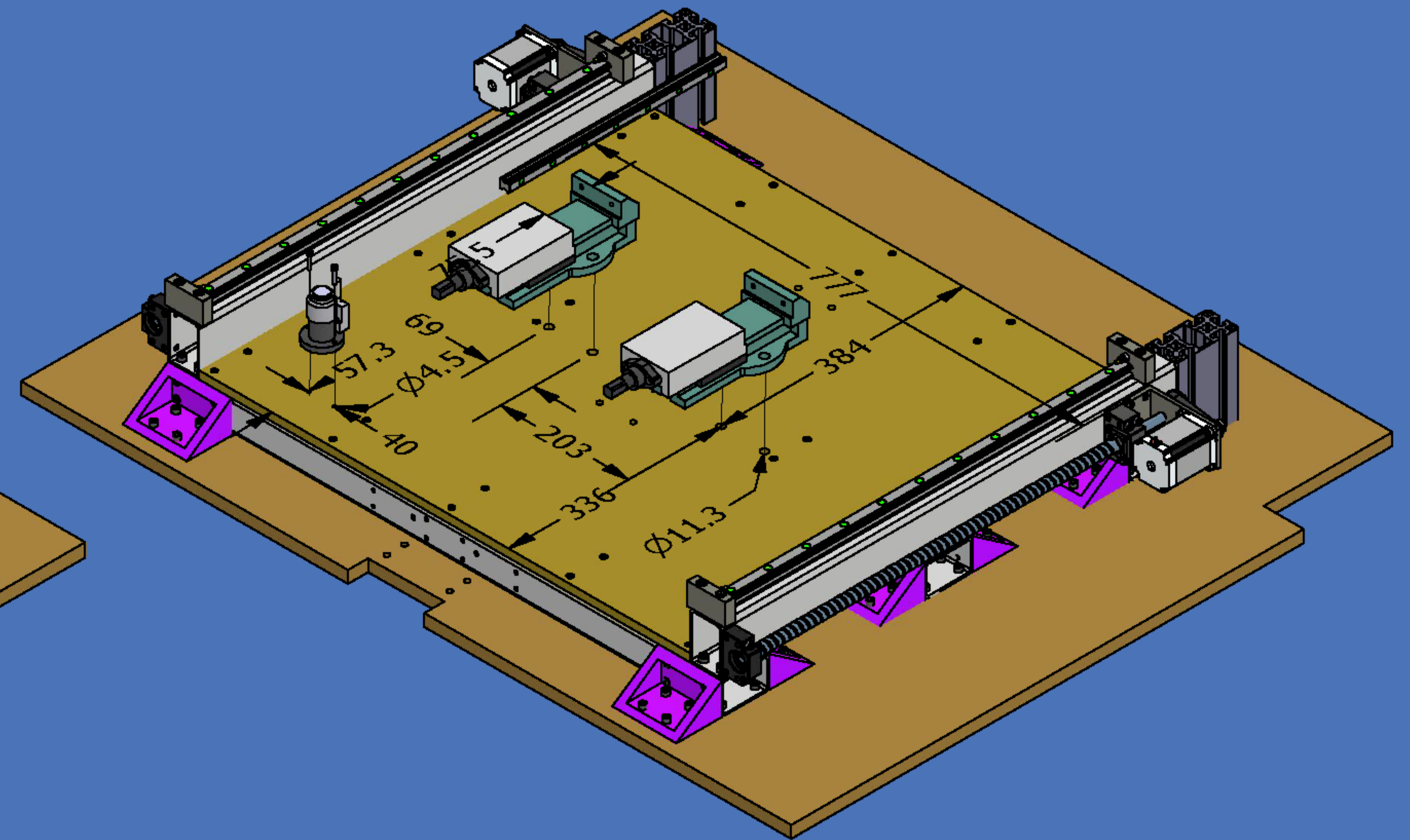
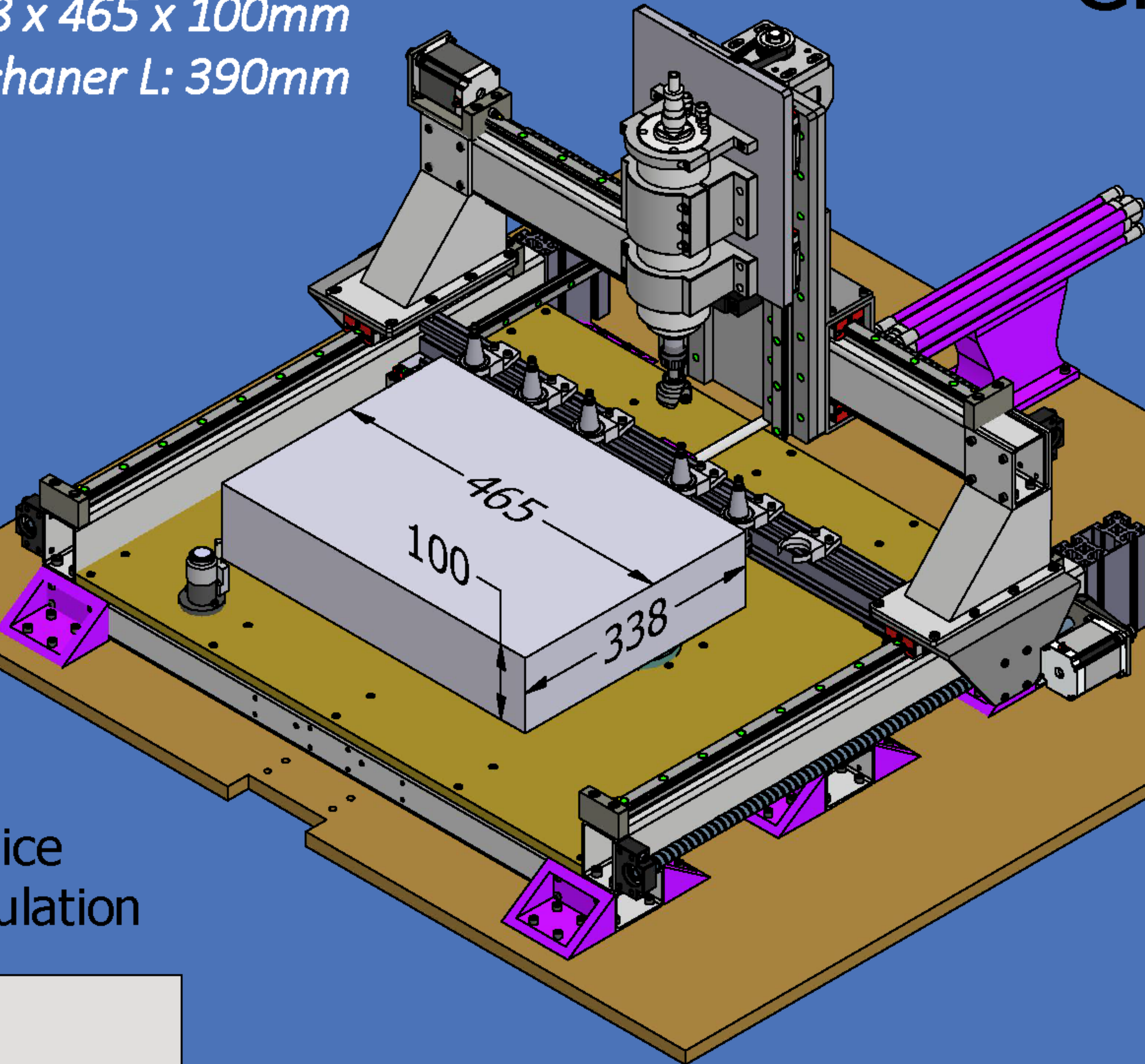


Tailstock Travel: 80mm



CNC Stock Variations

Two Vice Max Stock: [LxWxH]
338 x 465 x 100mm
Sans Toolchaner L: 390mm



Single Vice
Fixture Simulation

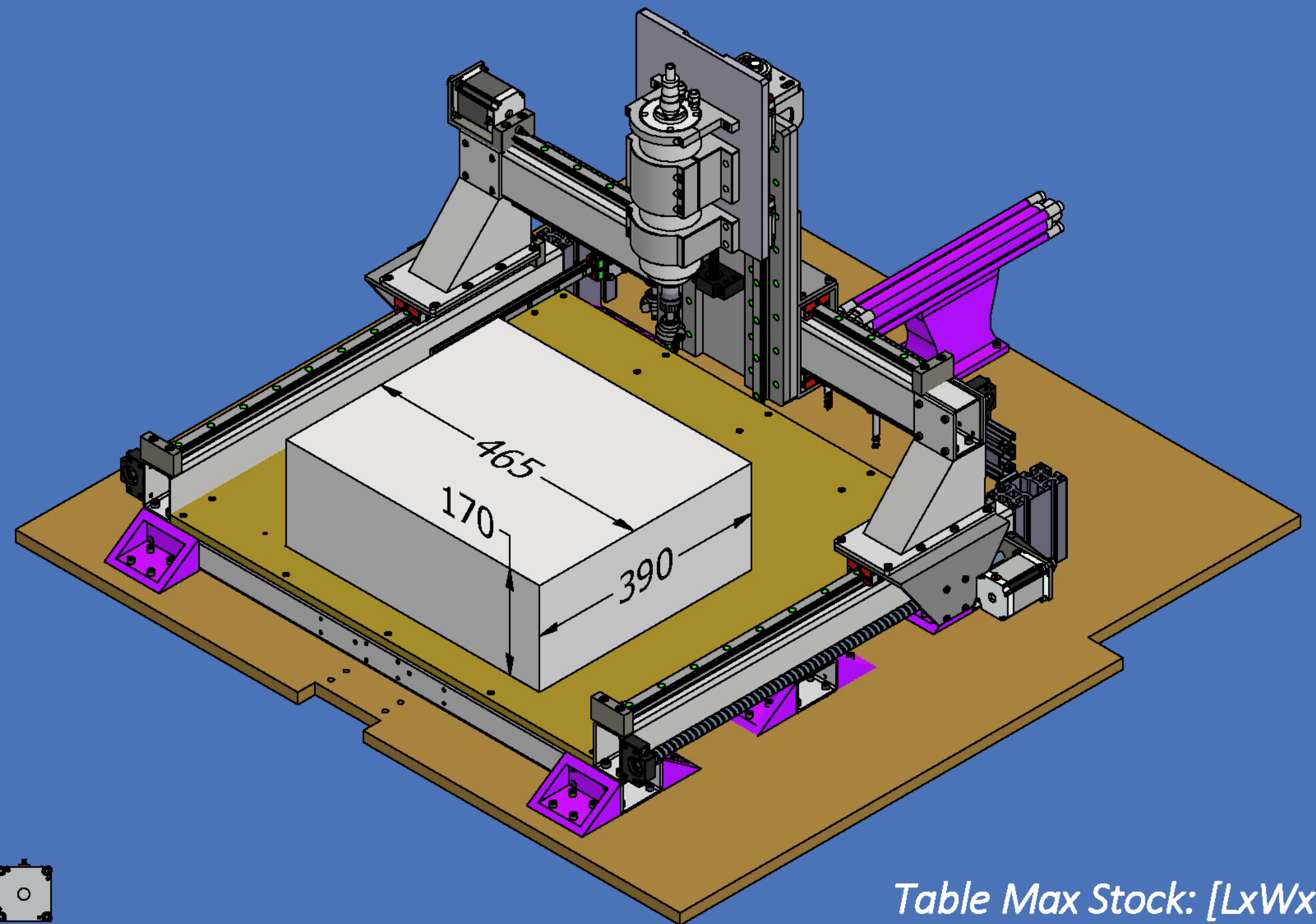
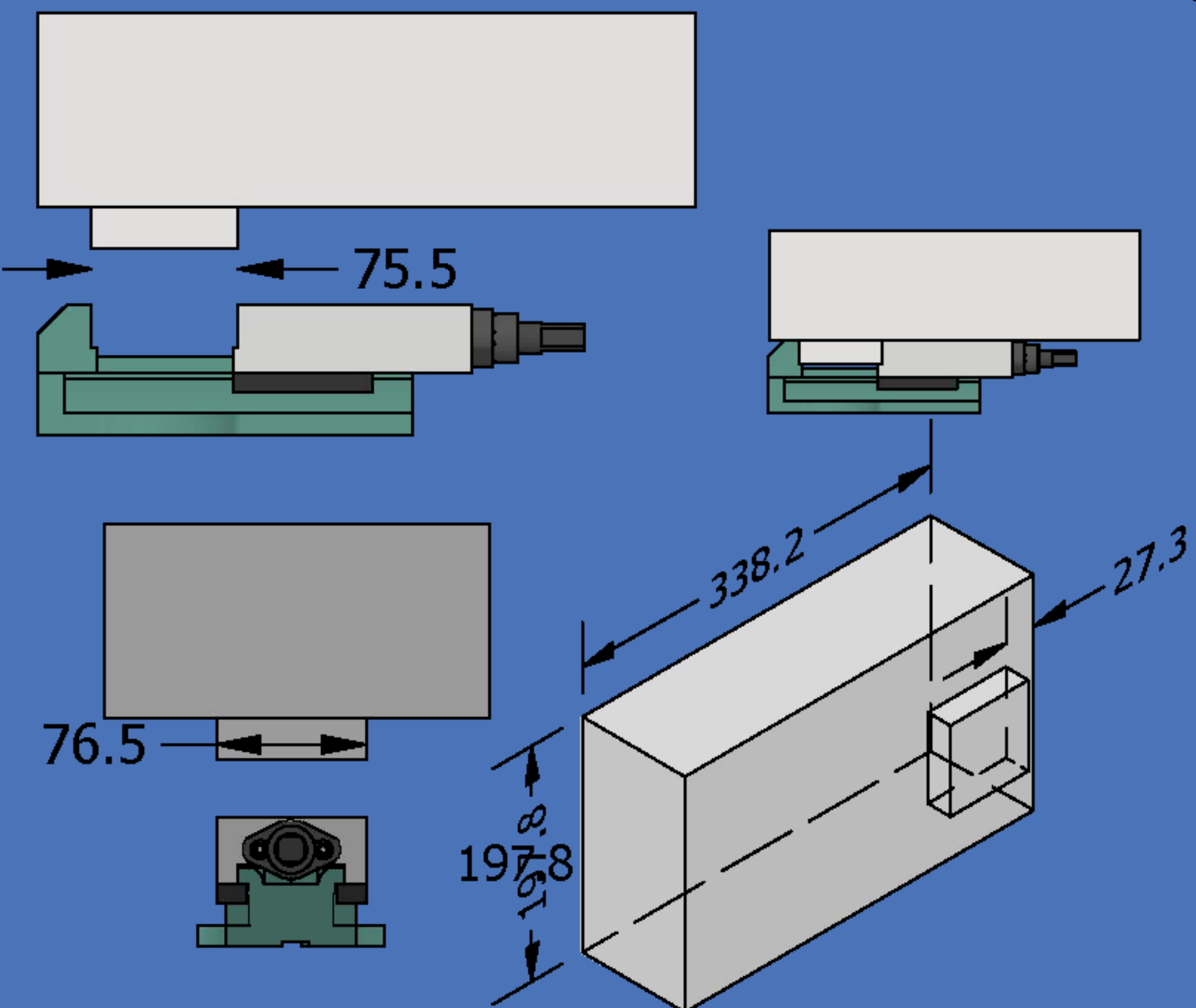


Table Max Stock: [LxWxH]
390 x 465 x 170mm