

1

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A

A

B

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D

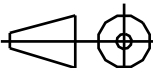
E

E

F

F

Top Right Front View

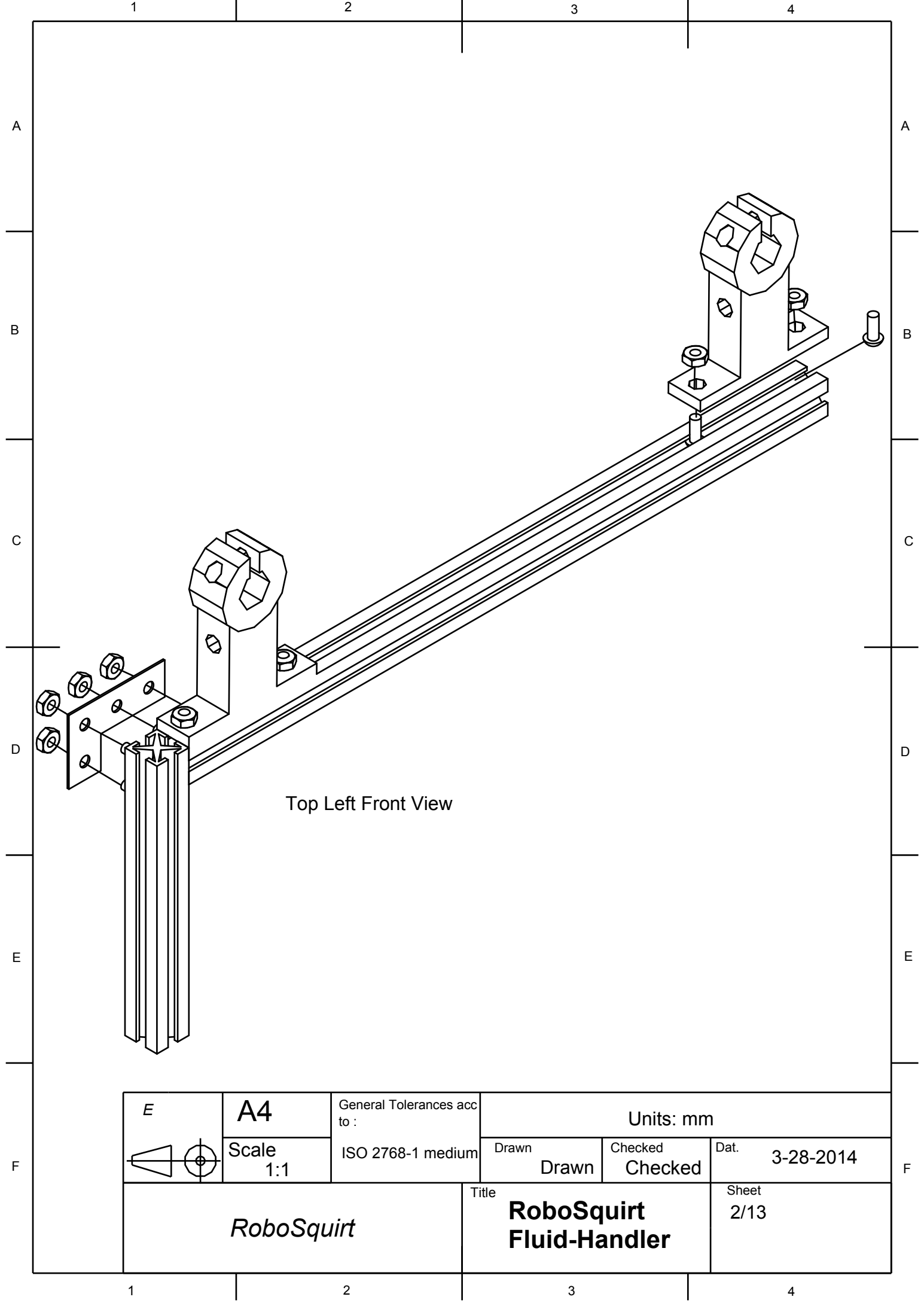
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	Scale 1:3.5		Drawn Drawn	Checked Checked	Dat. 3-28-2014
RoboSquirt			Title RoboSquirt Fluid-Handler		Sheet 1/13

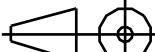
1

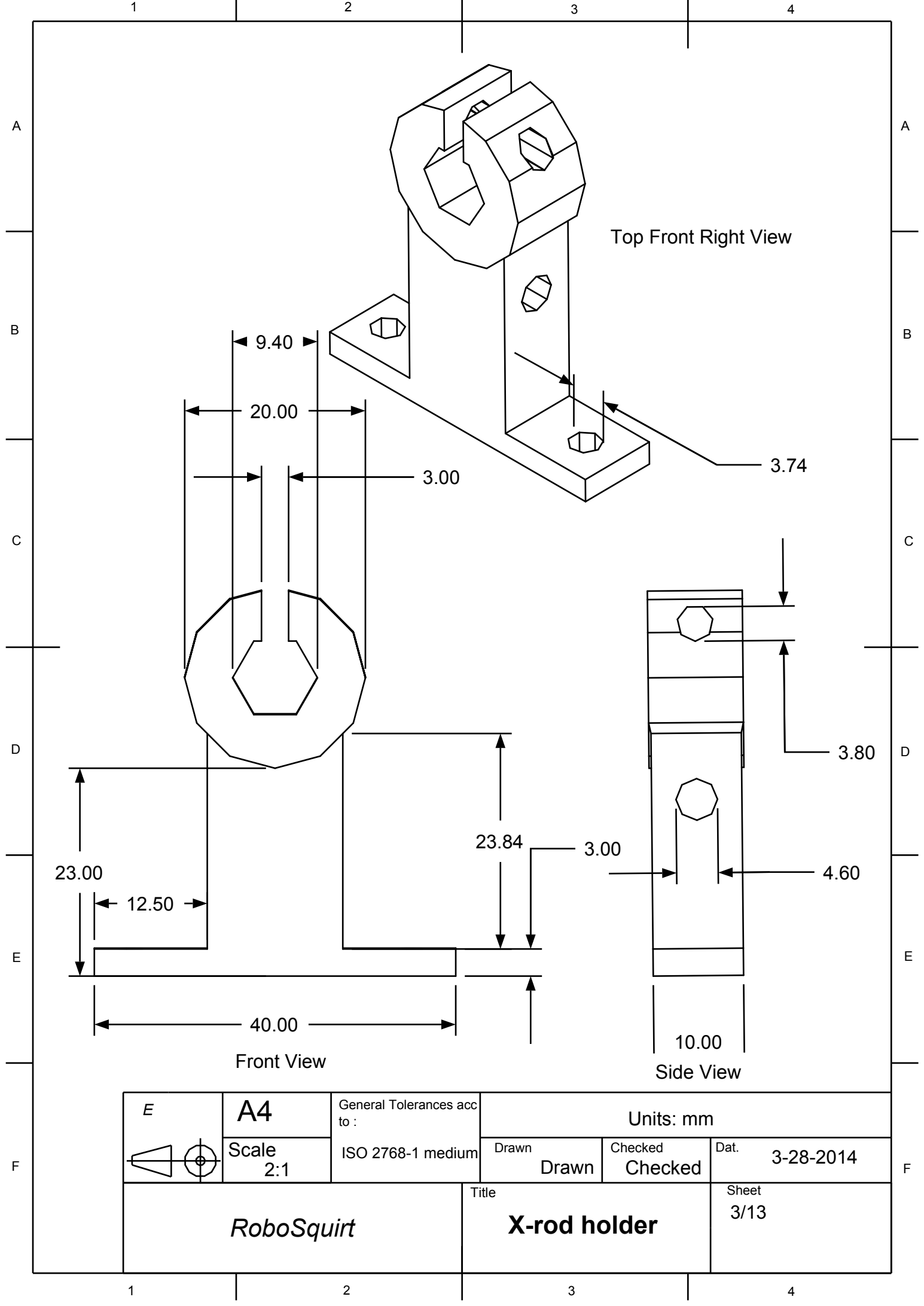
2

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<div><i>E</i></div> <div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: mm		
	Scale 1:1		Drawn Drawn	Checked Checked	Dat. 3-28-2014
<i>RoboSquirt</i>			Title RoboSquirt Fluid-Handler		Sheet 2/13



1 2 3 4

A

A

B

B

C

C

D

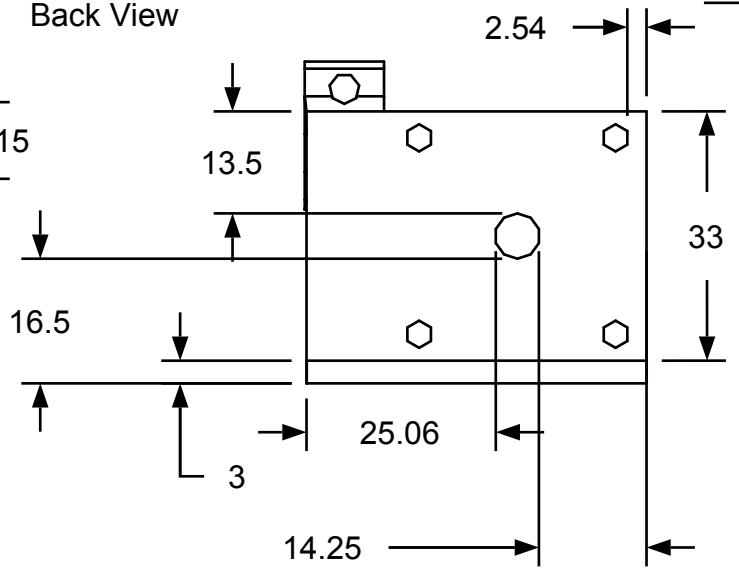
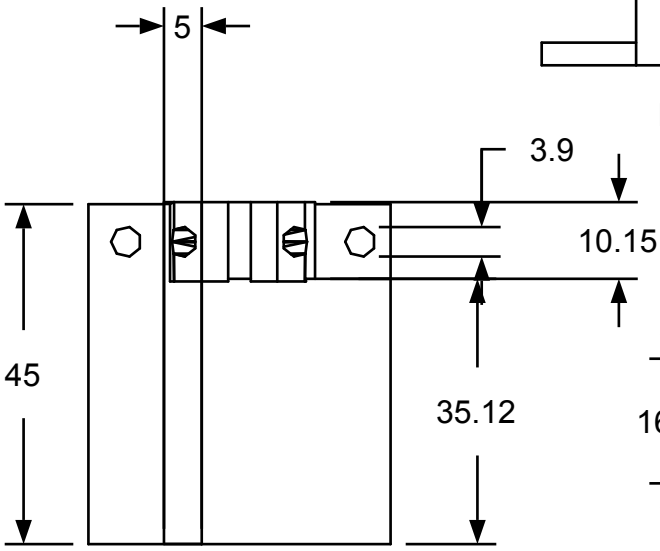
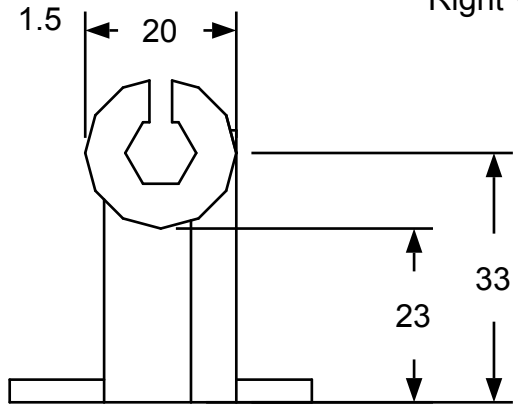
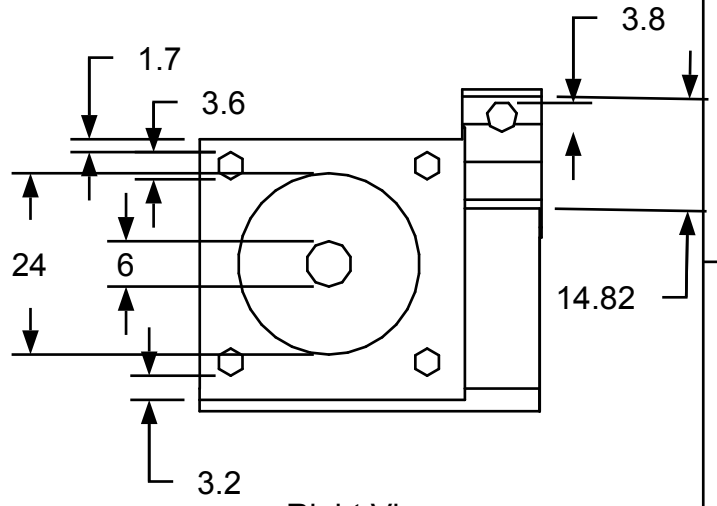
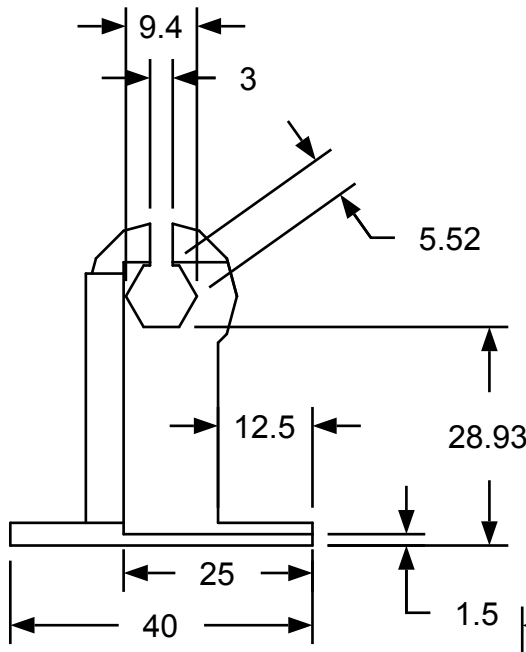
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E

E

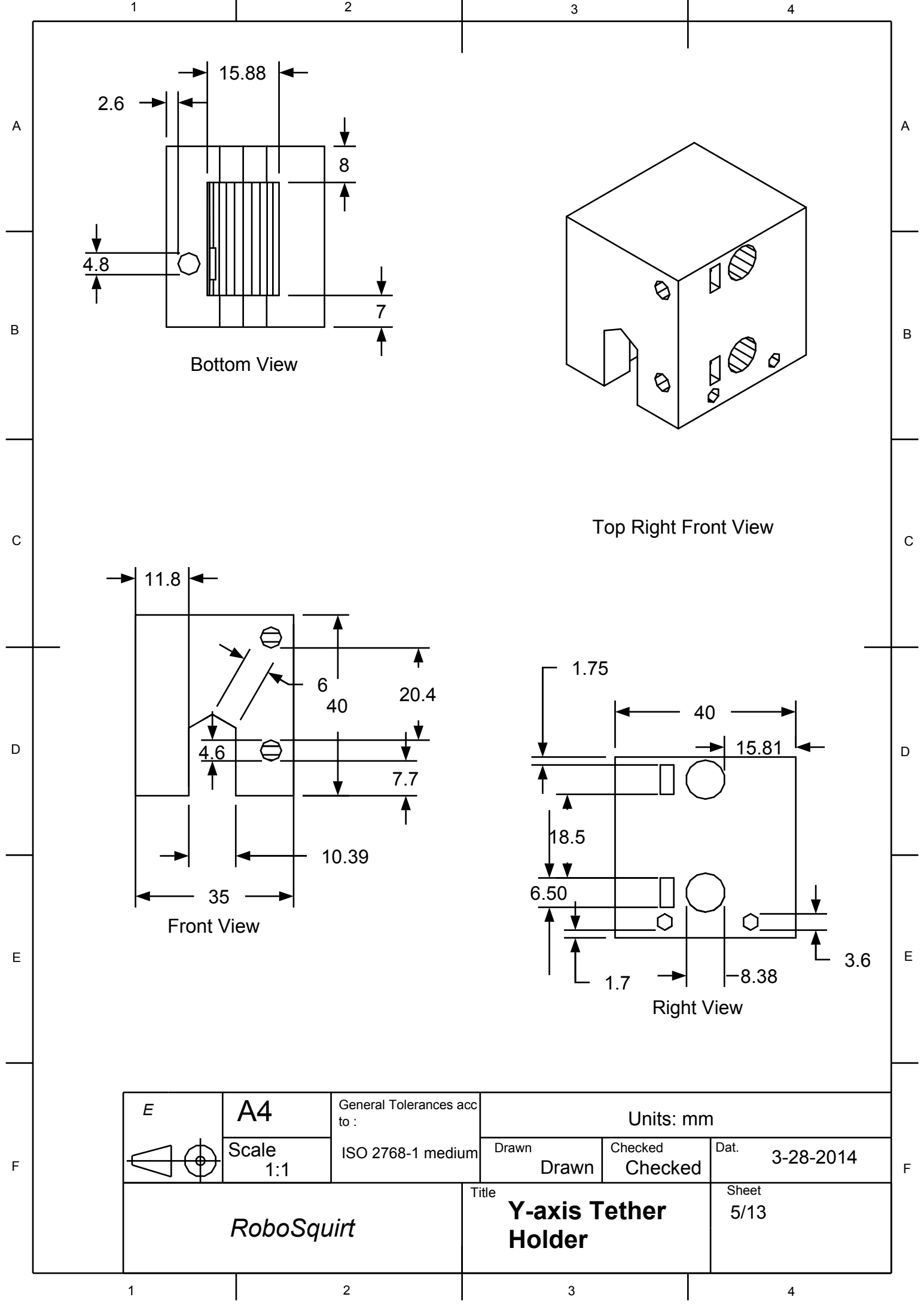
F


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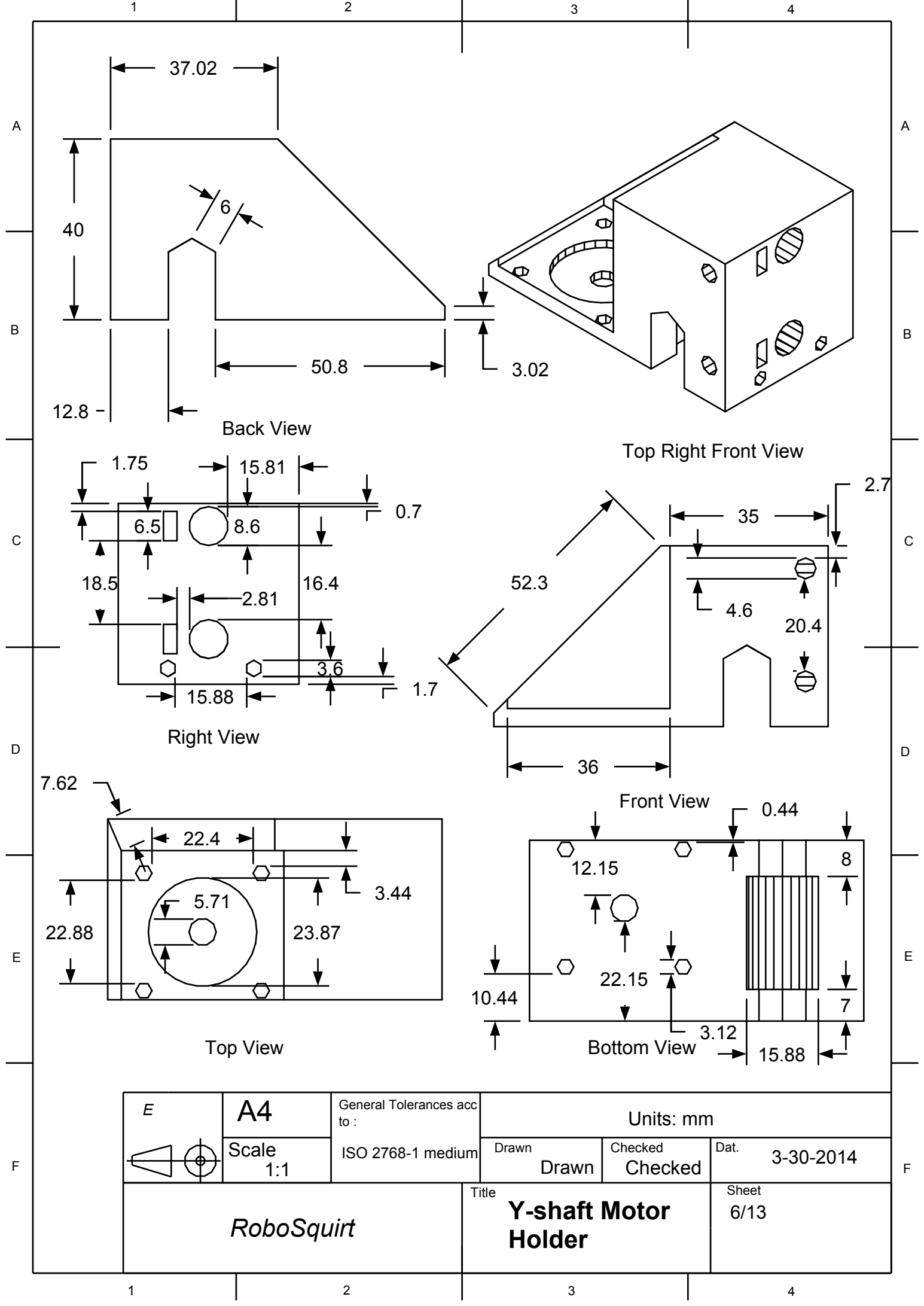


<div>E</div> <div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: mm		
	Scale 1:1		Drawn Drawn	Checked Checked	Dat. 3-28-2014
RoboSquirt			Title X-shaft Motor Holder		Sheet 4/13

1 2 3 4



<div>E</div> <div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: mm		
	Scale 1:1		Drawn Drawn	Checked Checked	Dat. 3-28-2014
RoboSquirt			Title Y-axis Tether Holder		Sheet 5/13



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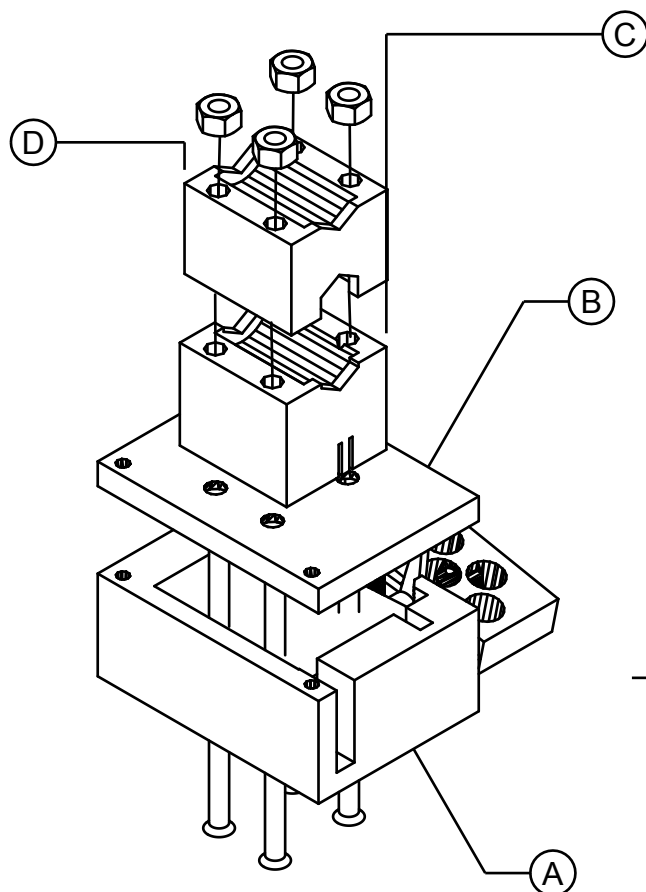
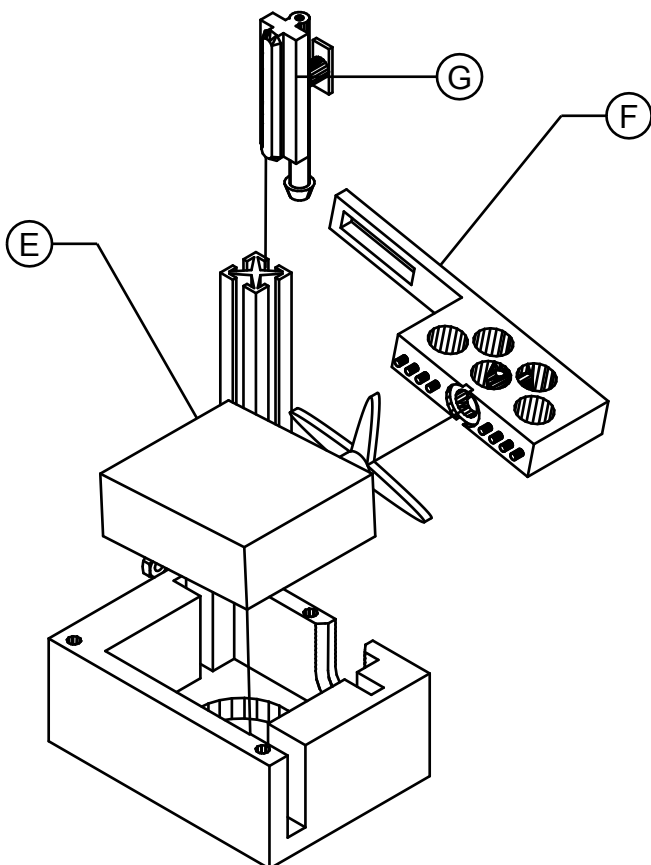
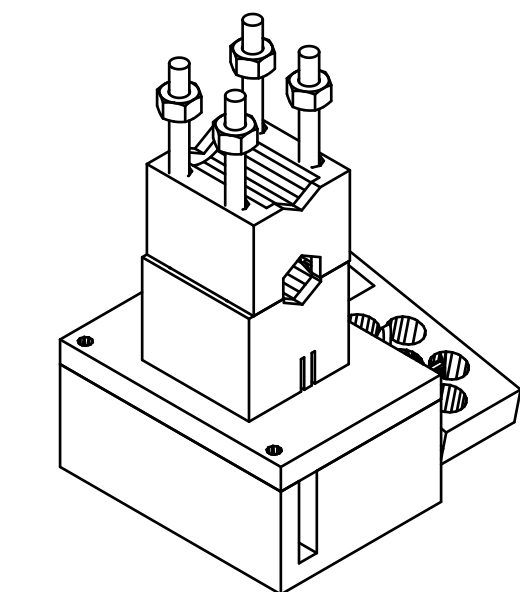
E

E

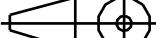
F

F

Top Front Right View



Label	Name
A	Servo Holder
B	Casing Lid
C	Belt Holder
D	Bearing Holder
E	Servo Placeholder
F	Servo Arm
G	Tube Holder

<div><div>E</div><div></div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: N/A		
	Scale 1:1.5		Drawn Drawn	Checked Checked	Dat. 3-30-2014
RoboSquirt		Title	RoboSquirt Dispensing Head		Sheet 7/13

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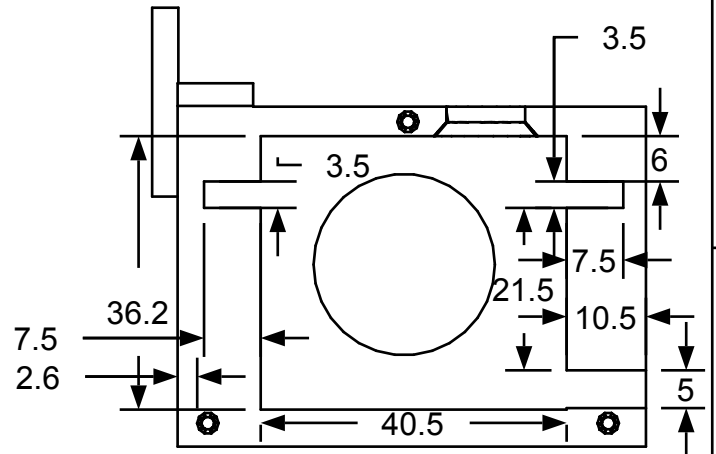
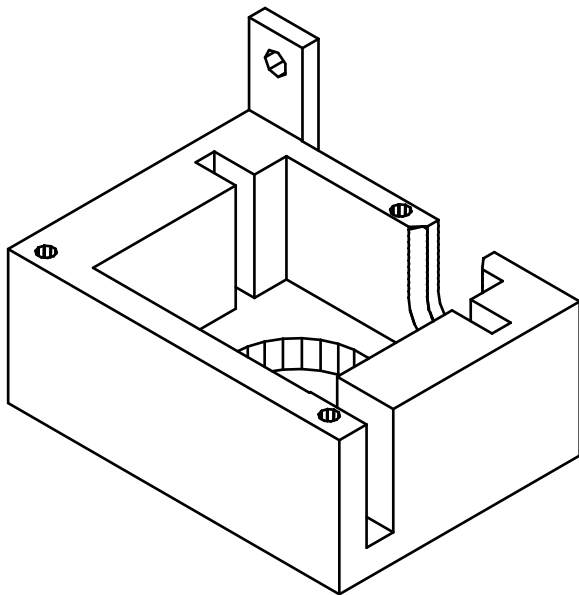
1 2 3 4

A

A

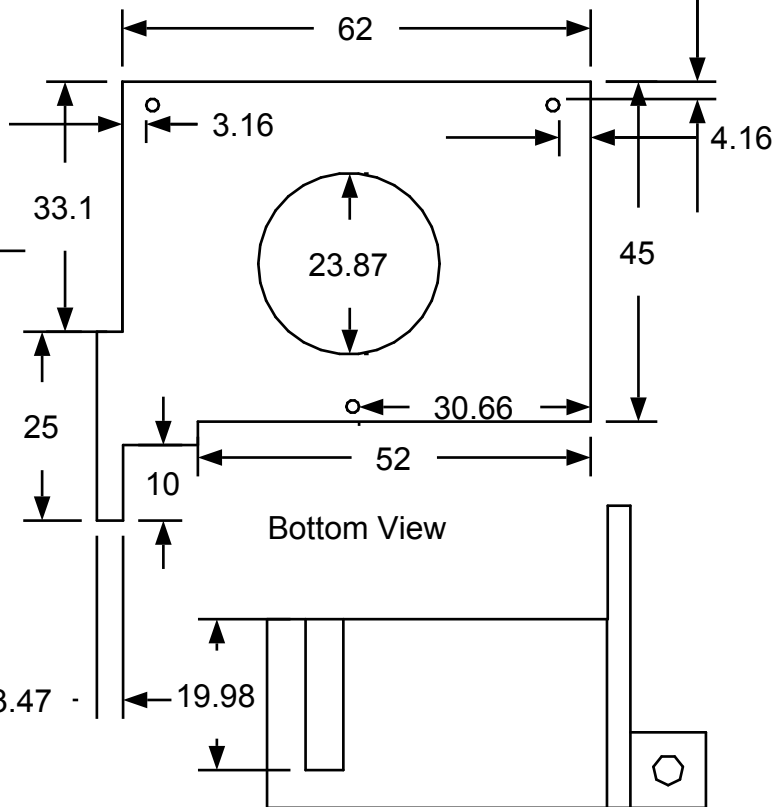
B

B

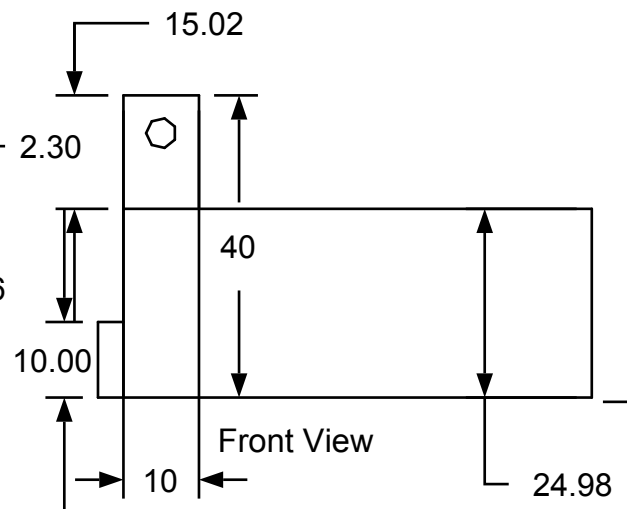


Top View

Top Front Right

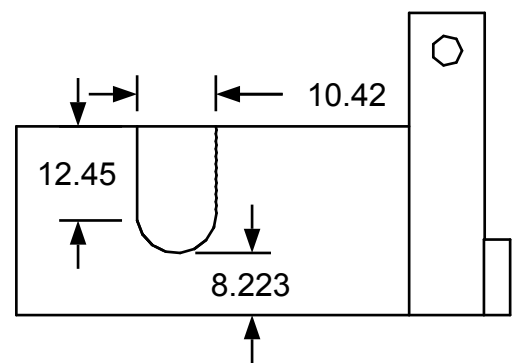


Bottom View



Front View

Right View



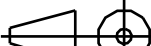
Back View

E

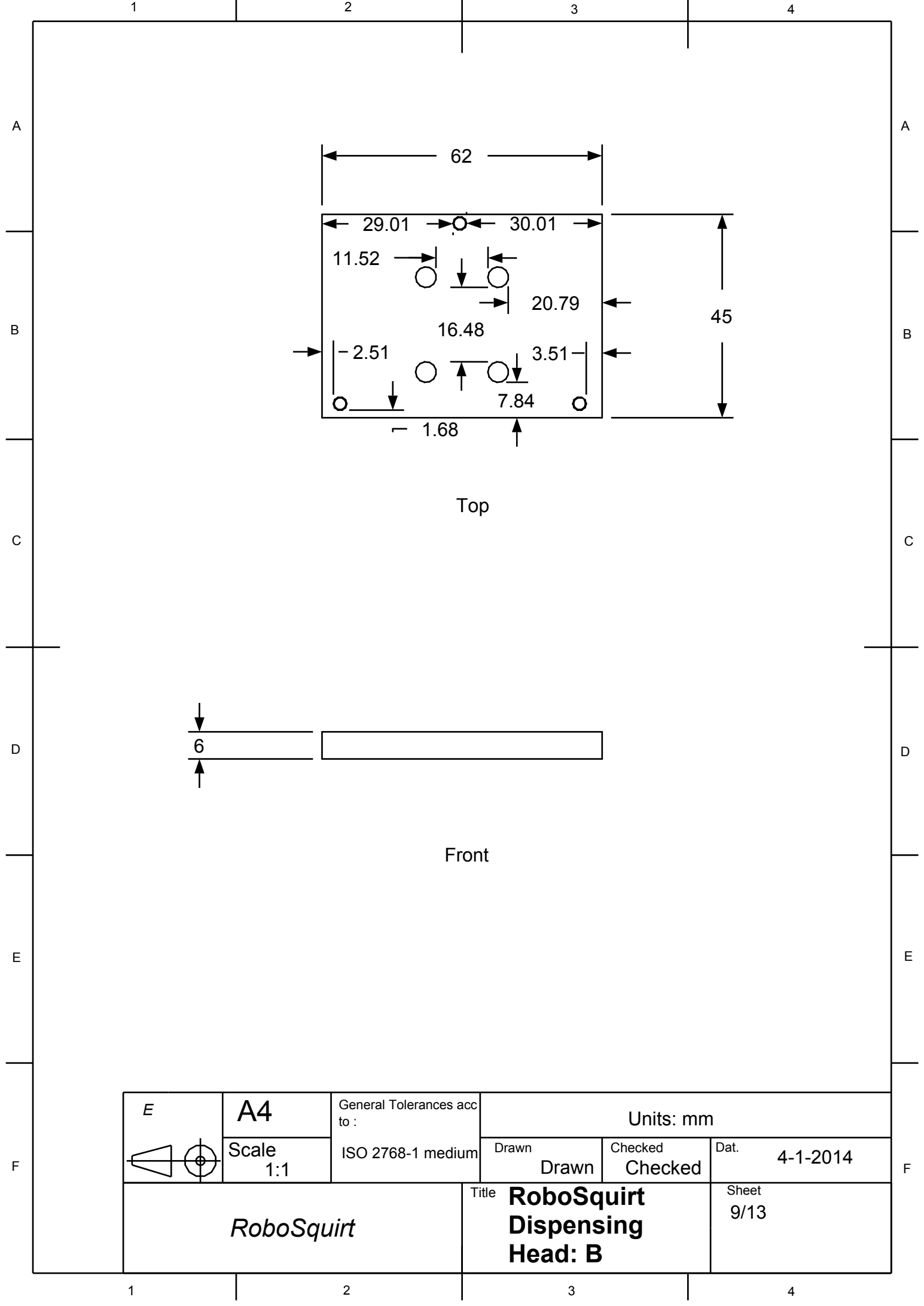
E

F

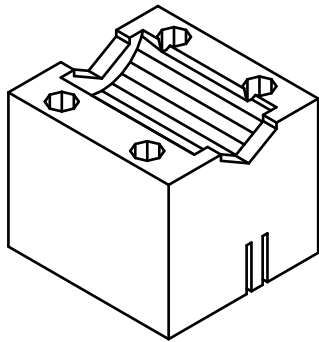
F

<div><div>E</div><div></div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: mm		
	Scale 1:1		Drawn Drawn	Checked Checked	Dat. 4-1-2014
RoboSquirt			Title RoboSquirt Dispensing Head: A		Sheet 8/13

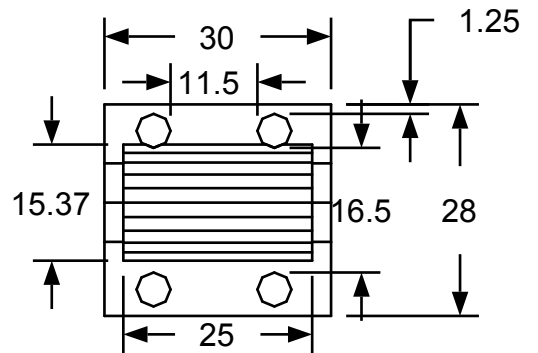
1 2 3 4



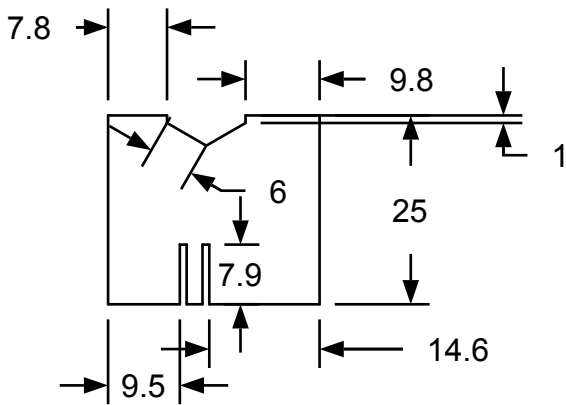
<div><i>E</i></div> <div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: mm		
	Scale 1:1		Drawn Drawn	Checked Checked	Dat. 4-1-2014
<i>RoboSquirt</i>			Title RoboSquirt Dispensing Head: B	Sheet 9/13	



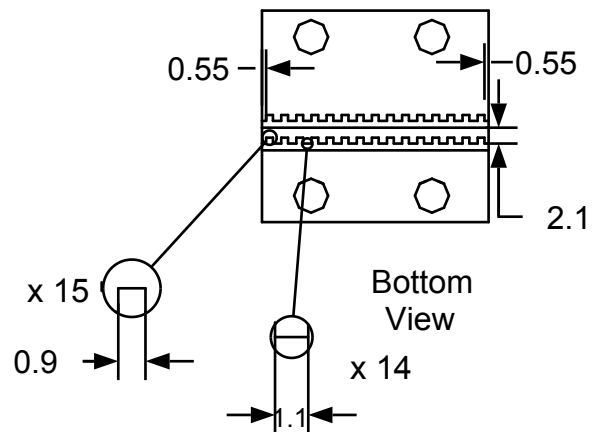
Top Right Front View




Top View

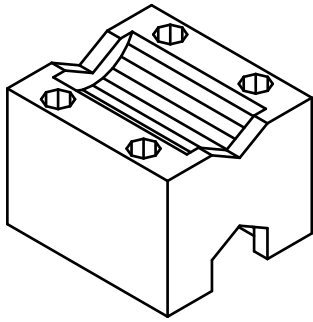


Right View

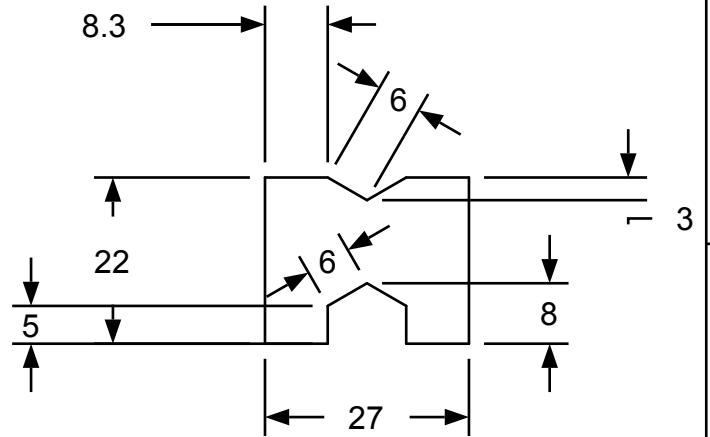


Bottom View

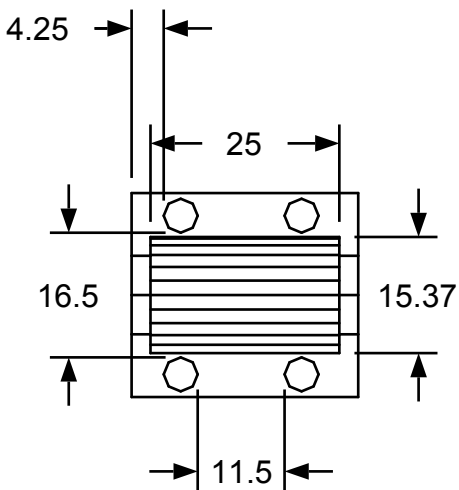
<i>E</i>	A4	General Tolerances acc to :	Units: mm		
	Scale 1:1	ISO 2768-1 medium	Drawn Drawn	Checked Checked	Dat. 4-1-2014
<i>RoboSquirt</i>			Title RoboSquirt Dispensing Head: C		Sheet 10/13



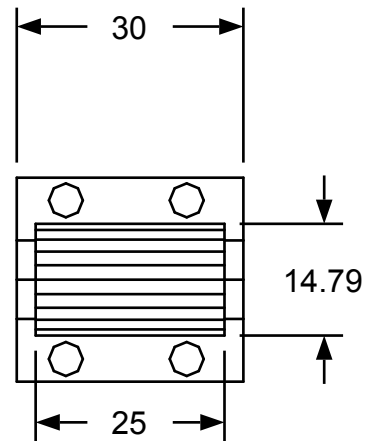
Top Front Right View



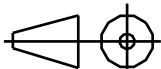
Right View

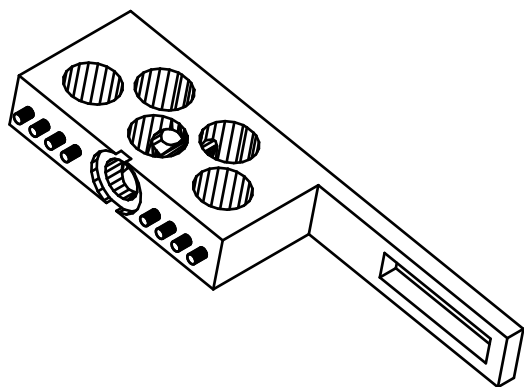


Bottom View

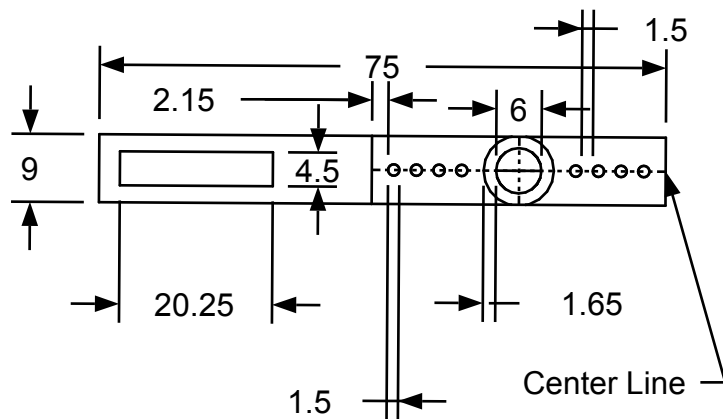


Top View

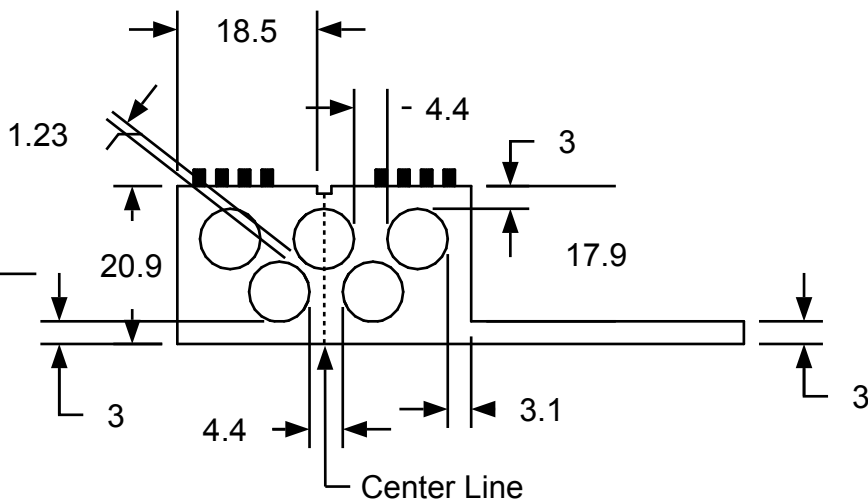
<p><i>E</i></p>	<p>A4</p>	<p>General Tolerances acc to :</p>	<p>Units: mm</p>		
	<p>Scale 1:1</p>	<p>ISO 2768-1 medium</p>	<p>Drawn Drawn</p>	<p>Checked Checked</p>	<p>Dat. 4-1-2014</p>
<p><i>RoboSquirt</i></p>		<p>Title RoboSquirt Dispensing Head: D</p>		<p>Sheet 11/13</p>	



Top Front Right



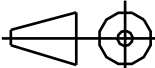
Front View



Top View



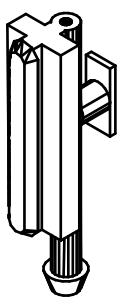
Back View

<i>E</i>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: mm		
	Scale 1:1		Drawn Drawn	Checked Checked	Dat. 4-1-2014
<i>RoboSquirt</i>			Title RoboSquirt Dispensing Head: F		Sheet 12/13

1 2 3 4

A

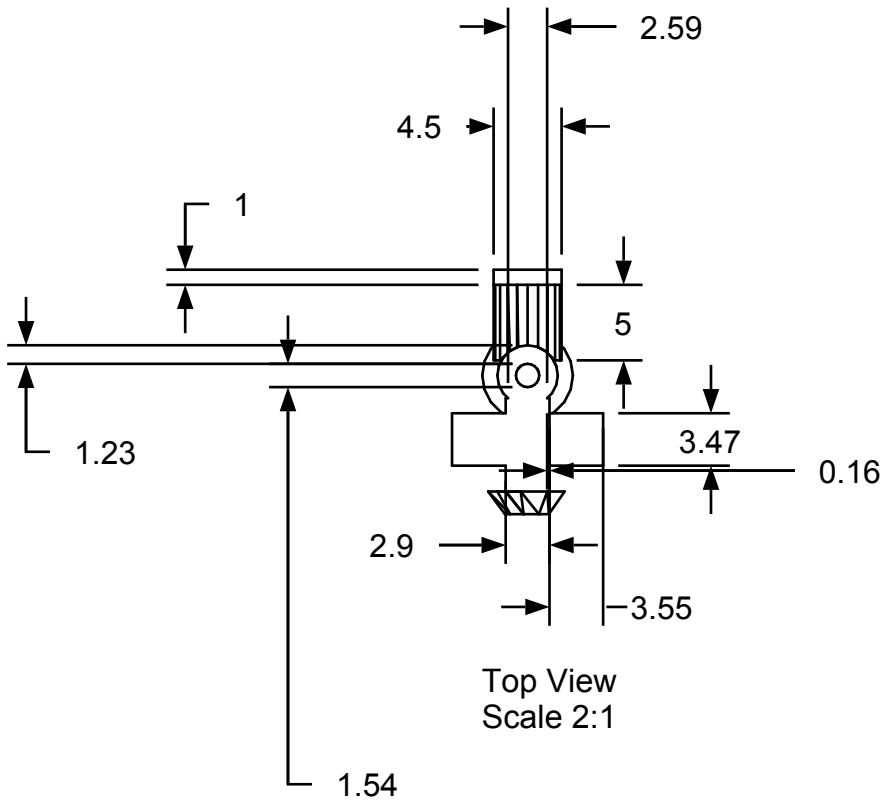
A



Top Right Front
Scale 1:1

B

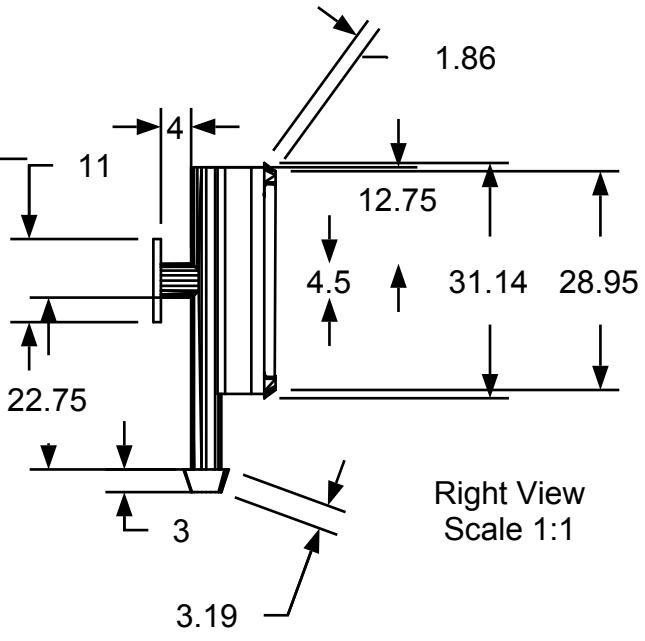
B



Top View
Scale 2:1

C

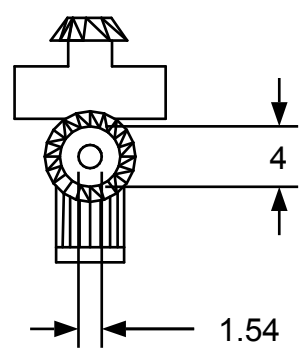
C



Right View
Scale 1:1

D

D




Bottom View
Scale 2:1

E

E

F

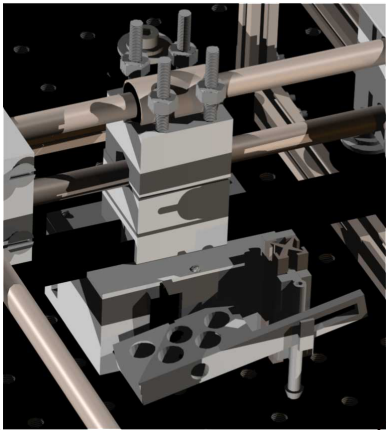
F

<div>E</div> <div></div>	A4	General Tolerances acc to : ISO 2768-1 medium	Units: Metric		
	Scale as noted		Drawn Drawn	Checked Checked	Dat. 4-1-2014
RoboSquirt			Title RoboSquirt Dispensing Head: G		Sheet 13/13

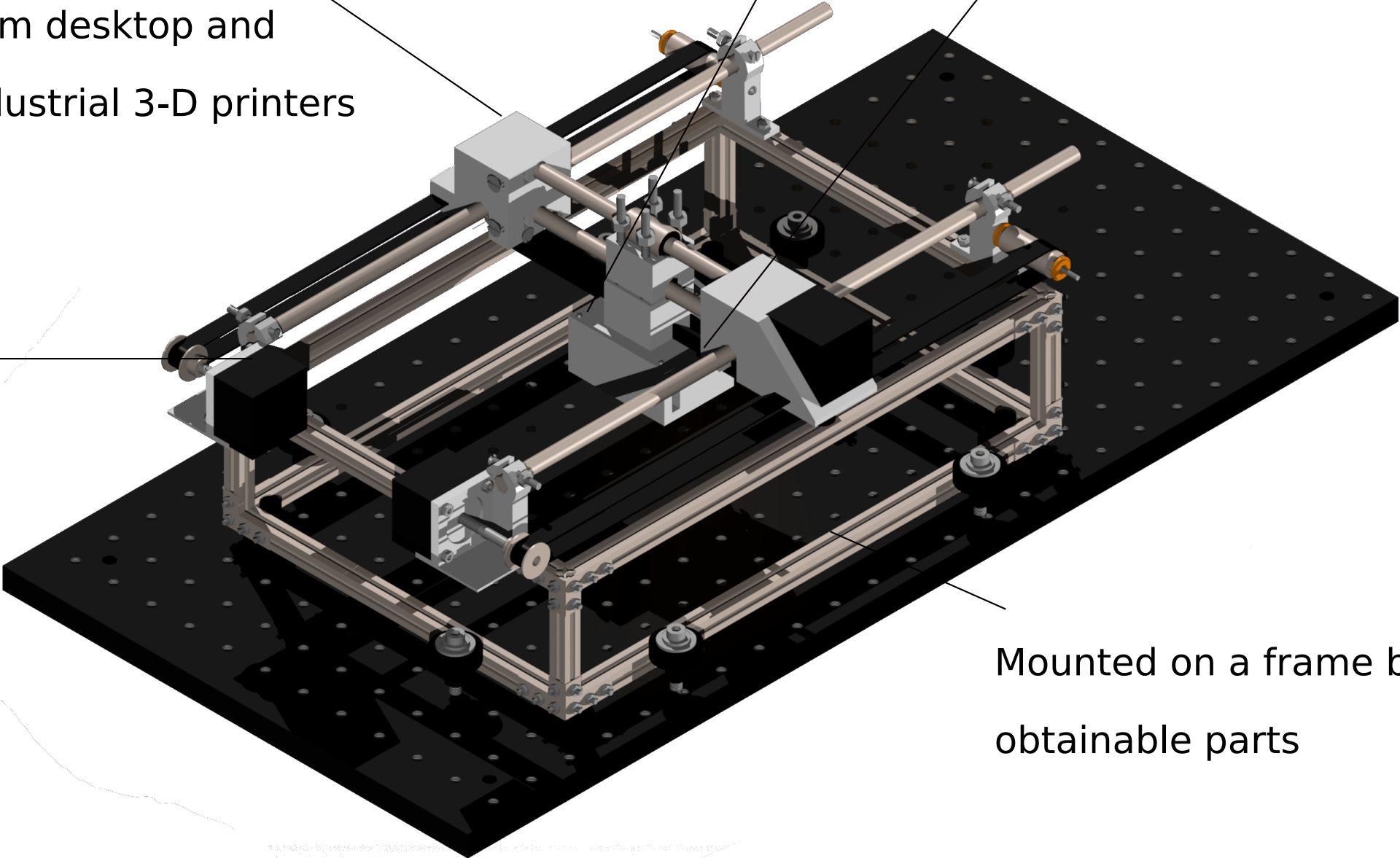
1 2 3 4

This and all other parts
of this color are 3-D
printed and are available
on the website as STL
files ready for printing
from desktop and
industrial 3-D printers

The black boxes represent
the motors that move the
dispensers in the x- and y-
directions



This component dispenses
fluid into the wells and has
tubing that is connected
to the pump.



Mounted on a frame built from low-cost, easily
obtainable parts