

D

C

B

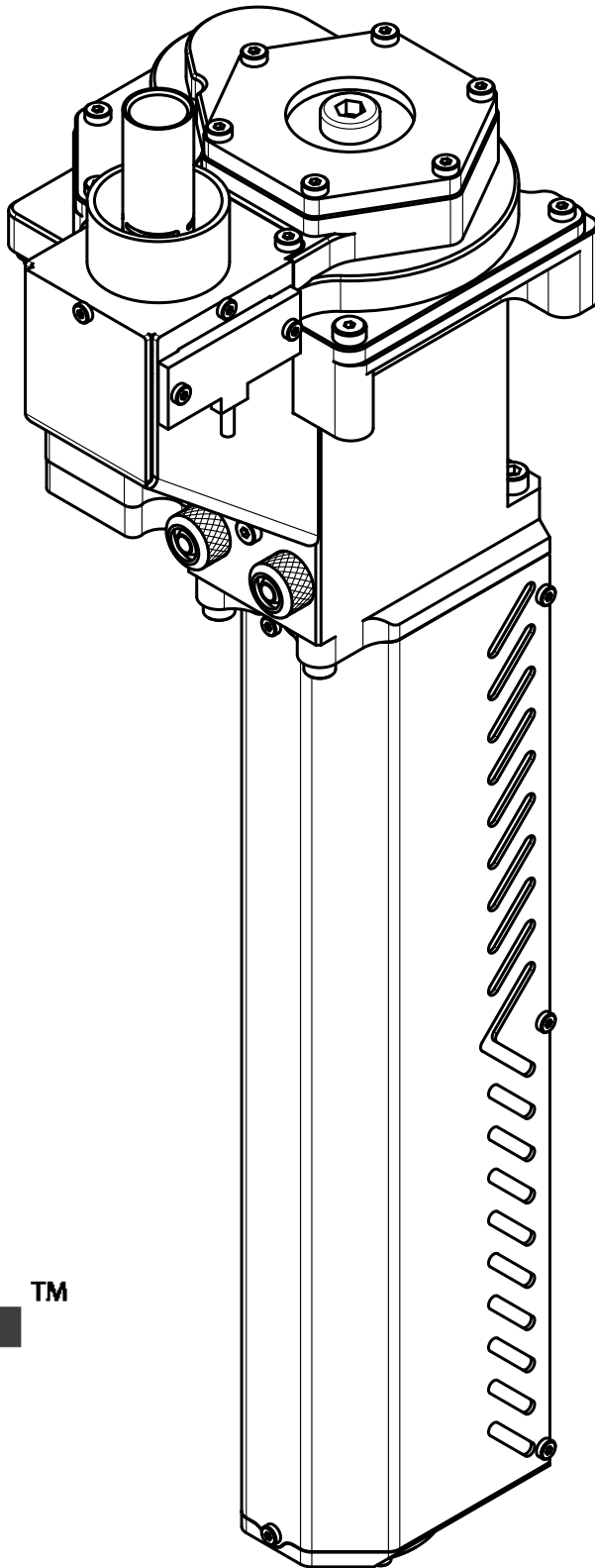
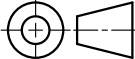
A

D

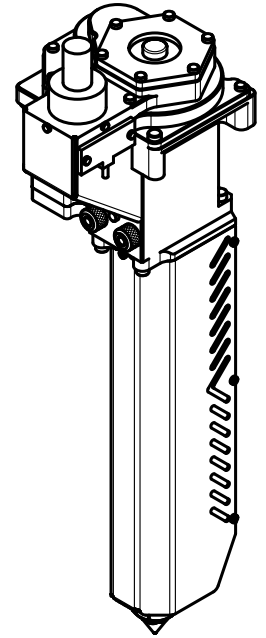
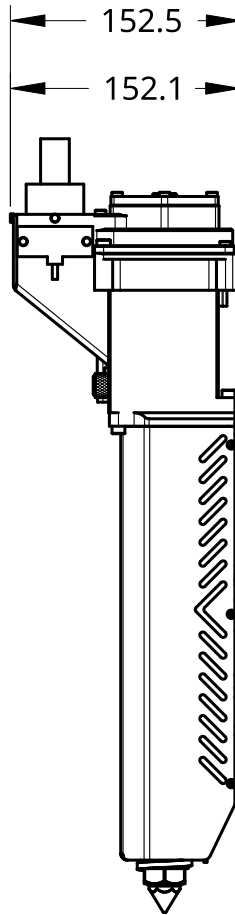
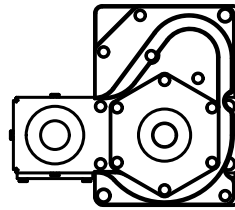
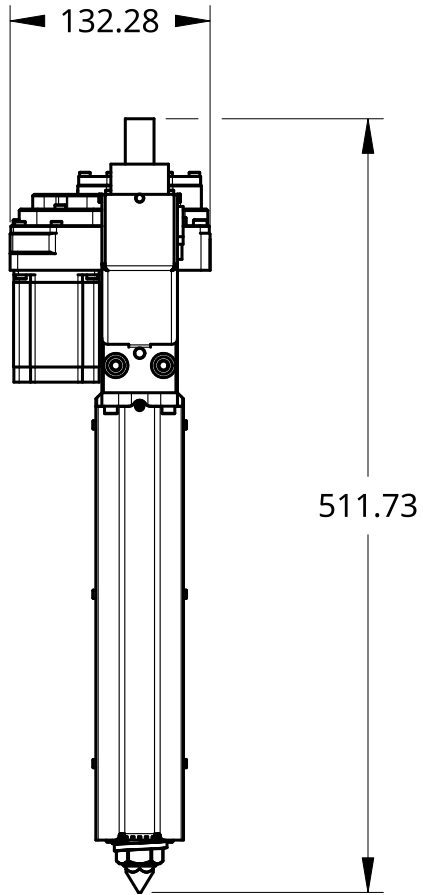
C

B

A

4			3			2			1				
PULSAR SPECIFICATION SHEET						Extrusion Screw Specification							
Parameter		Value	Units	Parameter		Value	Units						
Weight		7	kg	Screw Diameter		19.3	mm						
Operating Speed		450	RPM	Screw Ratio		2.57							
Max Temperature		400	°C	Screw Length		348	mm						
Max Environment Temperature		100	°C	Motor Specification									
Available Nozzle Sizes		Blank / 1.0 / 1.5 / 2.0 / 3.0 / 4.0 / 5.0	mm										
Max Mass Flow		2.5	kg/h										
Max Volumetric Flow		250	cubic mm/s										
Total Length		500	mm	Size		Nema23							
Total Heater Power		1100	W	Stepper Driver Operating Voltage		48	V						
Operating Voltage		120 / 240	V	Maximum Current		2.8	A						
Cold Zone Cooling Medium		Water		Gearbox Ratio		11.46							
Part Cooling		Not included											
Additional Feature		Bed Sensor connector											
Additional Feature		Fan Connector											
Heater Specification													
Parameter		Value	Units										
Zones		3											
Heater Top Barrel		500	W										
Heater Bottom Barrel		350	W										
Nozzle Heater		250	W										
Sensors		PT100											
Operating Voltage		110 / 220	V										
Max Temperature		400	°C										
Max Environment Temperature		100	°C										
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						Drawing Number: XXD-01897			CSDT V005				
4			3			2			1				

pulsar™



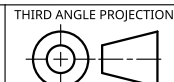
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Product Name
PULSAR PRODUCTION NP 001
HEATCORE

SIZE
A

UNITS
MM



SCALE
1:5

SHEET
2 of 6

DATE
2022-09-26

Drawing Number: XXD-01897

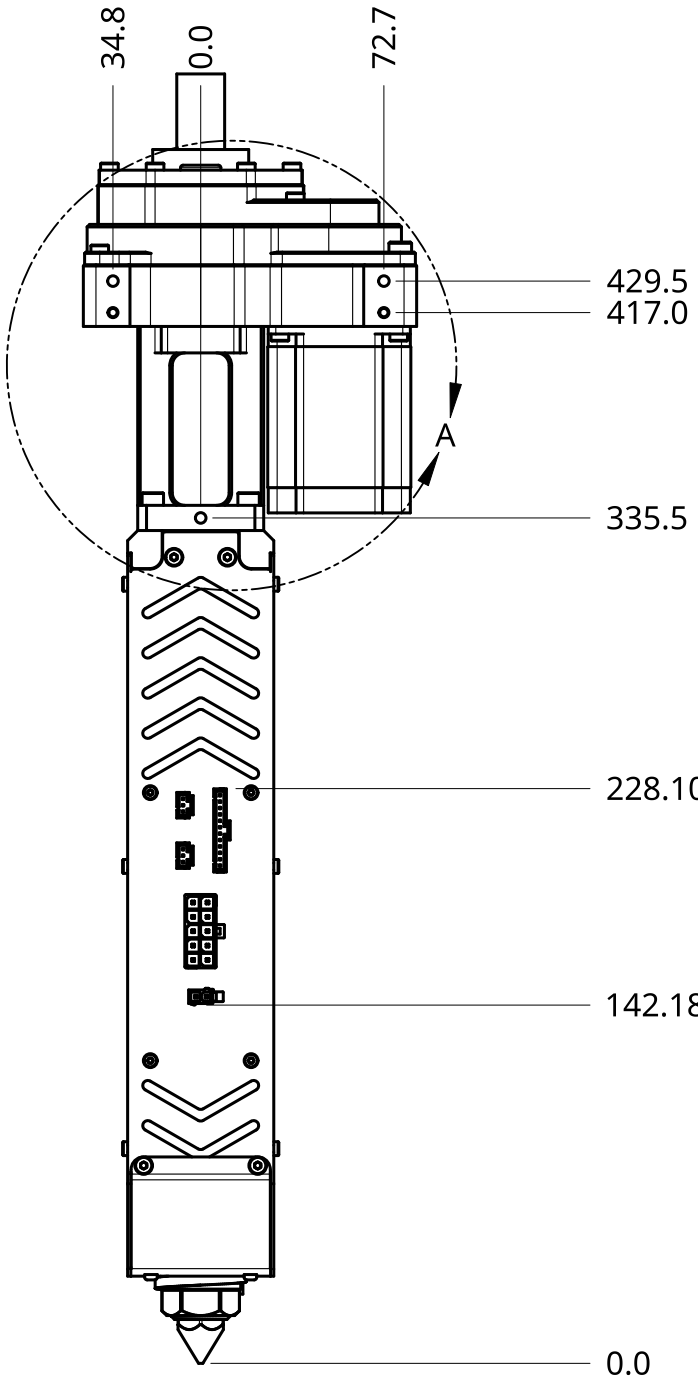
CSDT V005

B

A

B

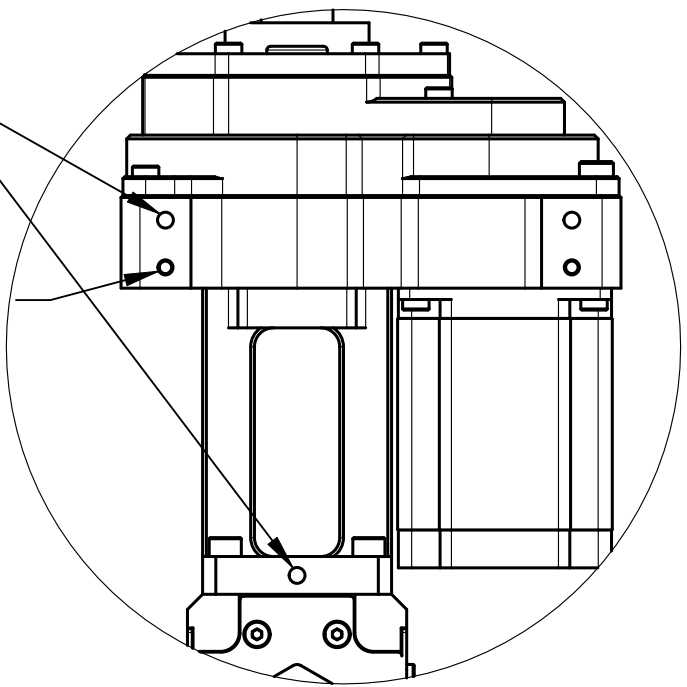
A



3x M5x0.8

2x Reamed Ø4.00 mm

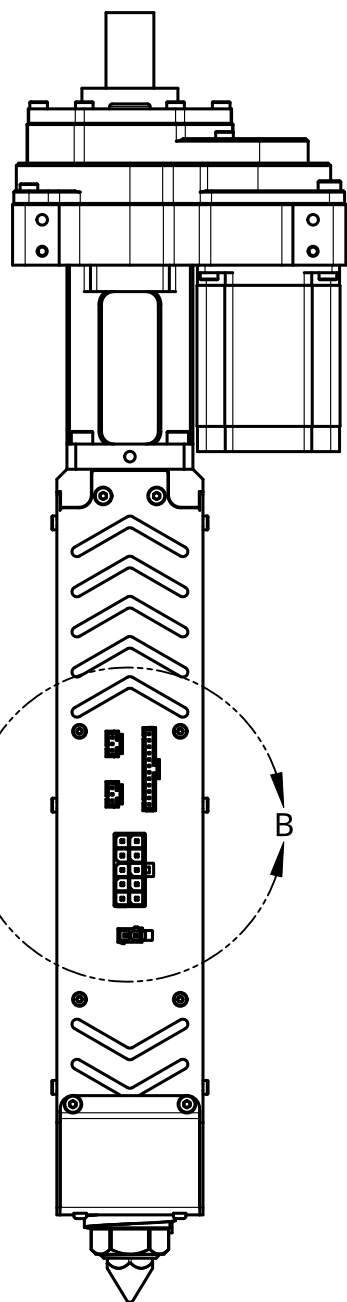
10 mm



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			A	MM		1:3	3 of 6	2022-09-26

2

1



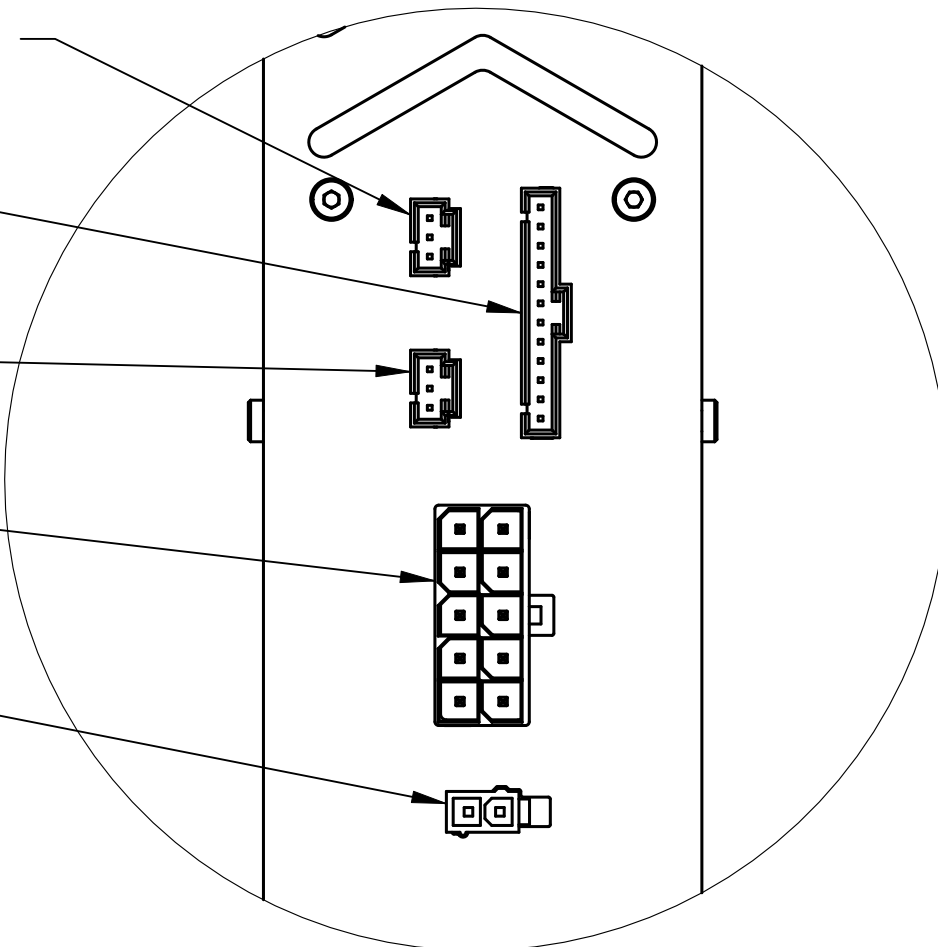
Material Sensor Connector
Molex SL 3 Pin
705410037

Signal Connector
Molex SL 12 Pin
705450046

Bed Sensor Connector
Molex SL 3 Pin
705410037

Power Connector
Molex Mega-Fit 10 Pin
1720650010

Fan Connector
Mini-Fit Jr 2 Pin



DETAIL B
SCALE 1:1

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Product Name
PULSAR PRODUCTION NP 001
HEATCORE

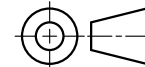
SIZE

A

UNITS

MM

THIRD ANGLE PROJECTION



SCALE

1:3

SHEET

4 of 6

DATE

2022-09-26

Drawing Number: XXD-01897

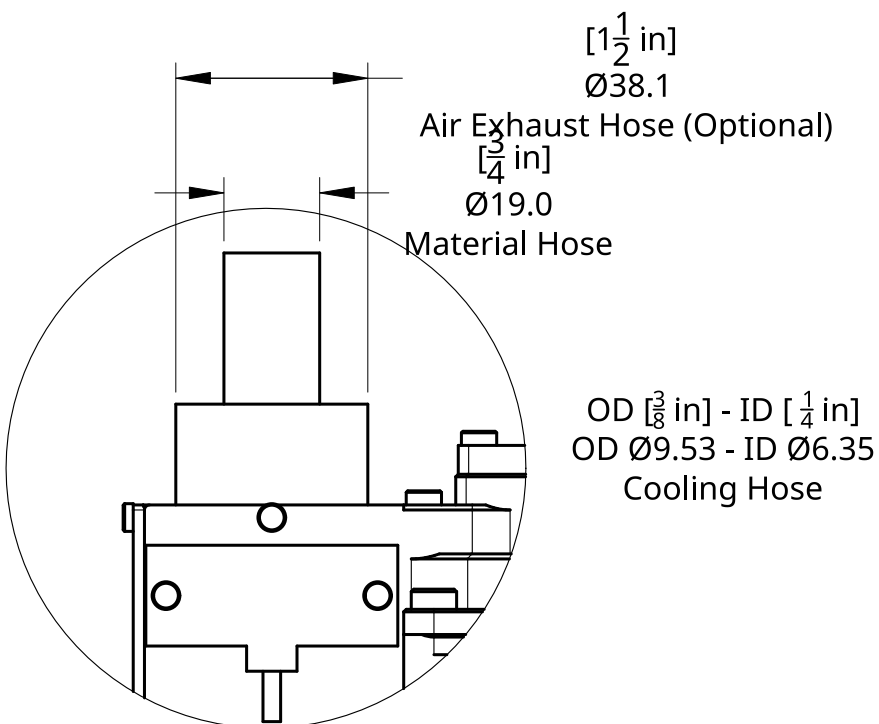
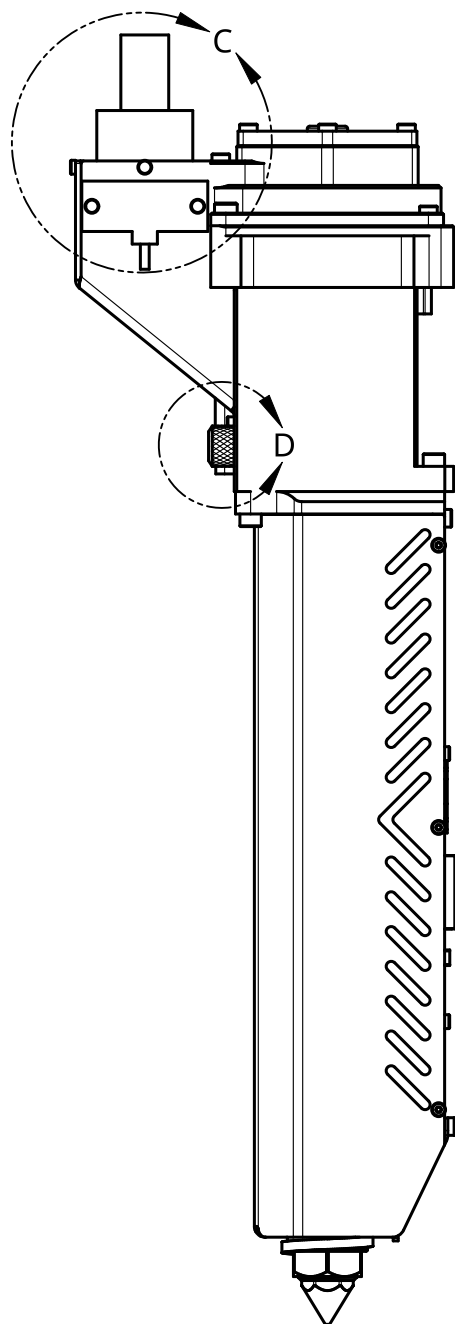
CSDT V005

2

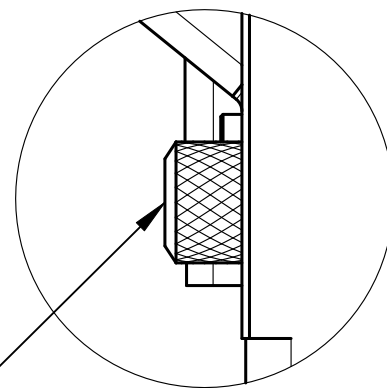
1

2

1



DETAIL C
SCALE 2:3



DETAIL D
SCALE 1:1

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Product Name
PULSAR PRODUCTION NP 001
HEATCORE

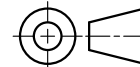
SIZE

A

UNITS

MM

THIRD ANGLE PROJECTION



SCALE

1:3

SHEET

5 of 6

DATE

2022-09-26

Drawing Number: XXD-01897

CSDT V005

2

1

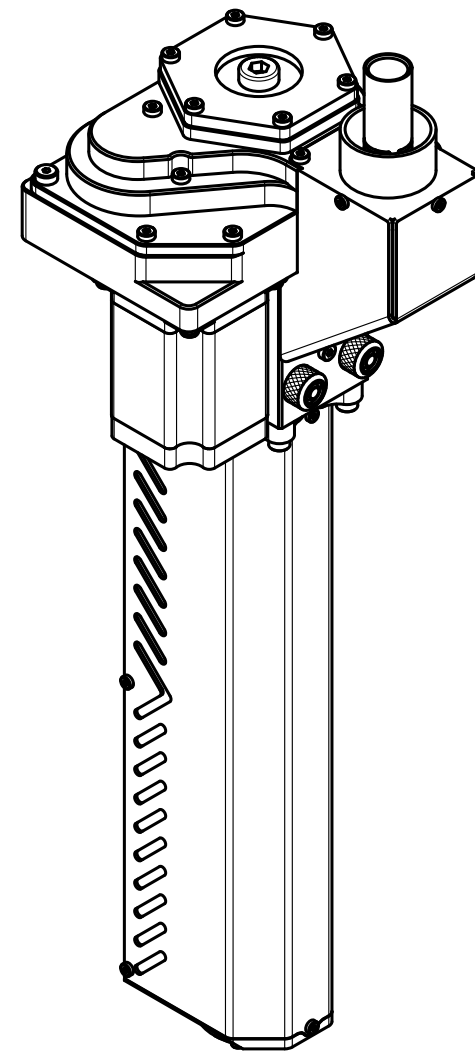
2

1

PULSAR CHARLIE NP PROD 001**Part no****Name****Update from 001**

B

B



A

A

pulsar™

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Product Name
**PULSAR PRODUCTION 003 COLD
ZONE**

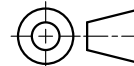
SIZE

A

UNITS

MM

THIRD ANGLE PROJECTION



SCALE

1:3

SHEET

6 of 6

DATE

2022-09-26

Drawing Number: XXD-01897

CSDT V005

2

1