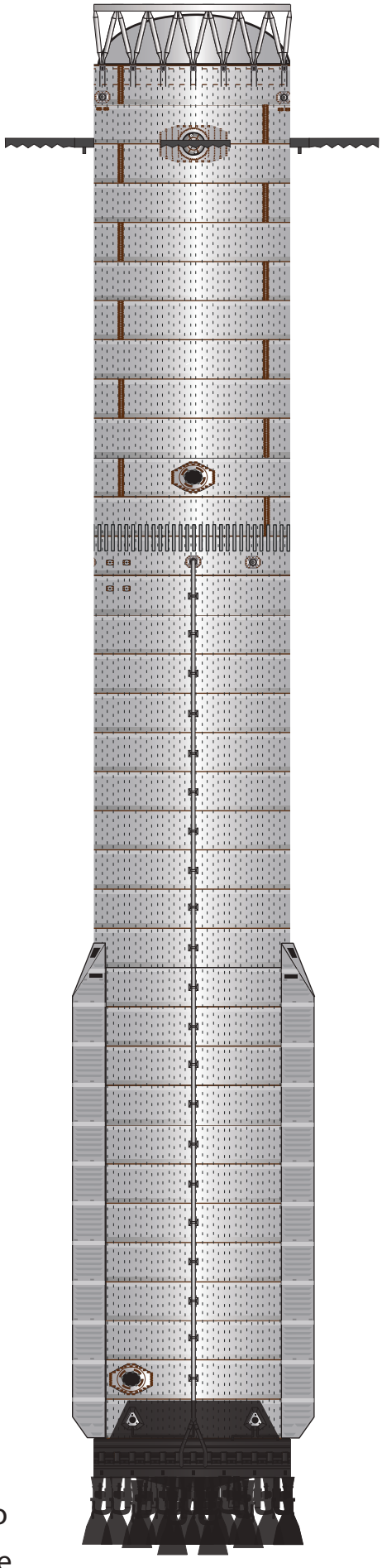
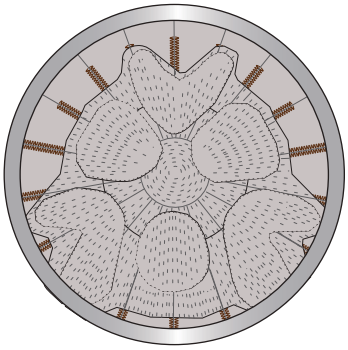
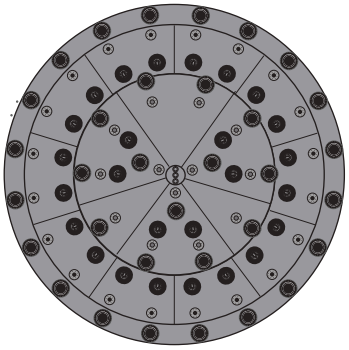
B19

1:100 Scale







Designed by Alfonso X Moreno

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Booster 19

Print on Cardstock (110 lbs)

Booster V3 HSR

1 cm

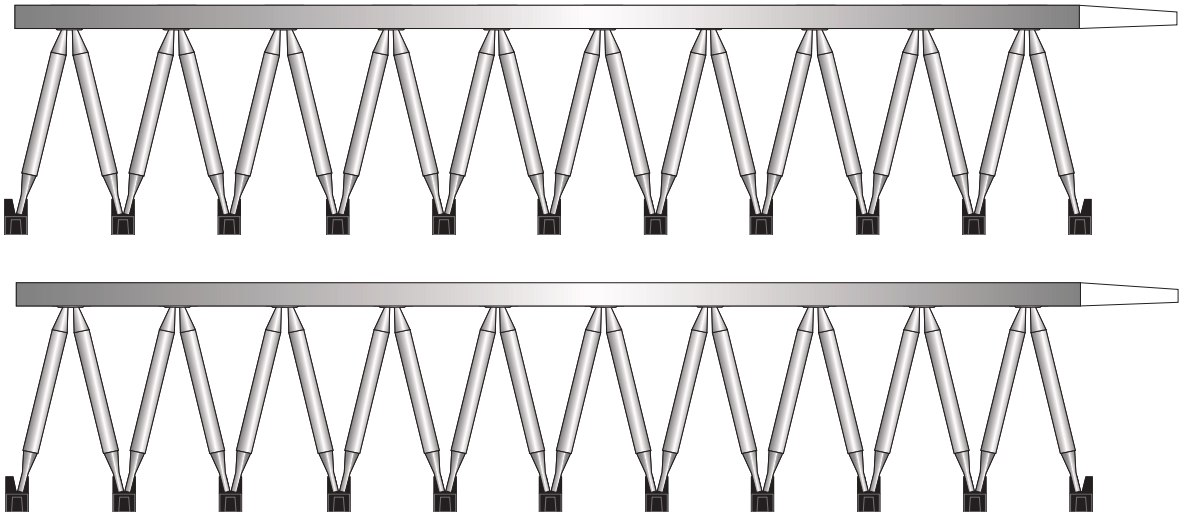
1 inch

1:100 Scale

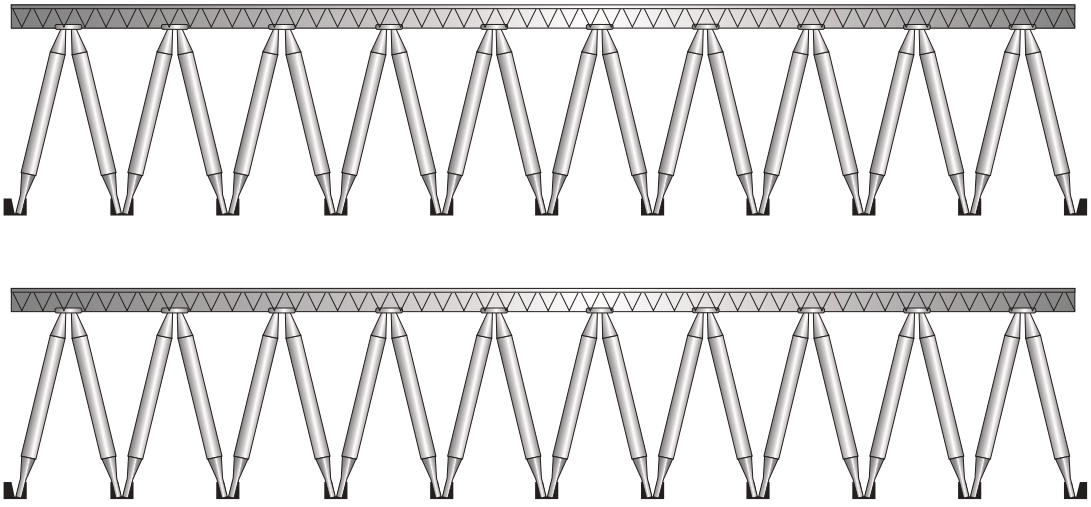
Outer extra layer



Outer skin



Inner skin



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1:100 Scale

1 cm

1 inch

Booster 19

Print on Cardstock (110 lbs)

Booster V3 HSR
BACK PRINT





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Booster V3

Print on Cardstock (110 lbs)

Use for paper version HSR

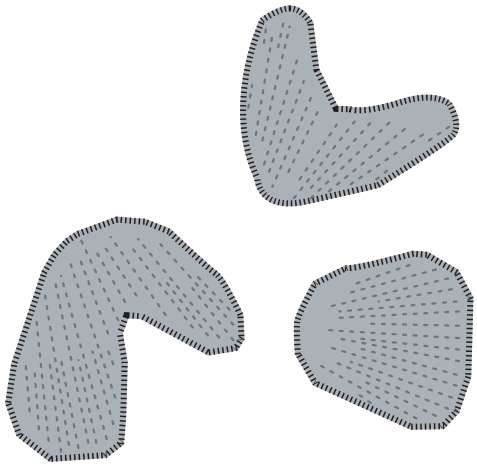
1:100 Scale

1 cm

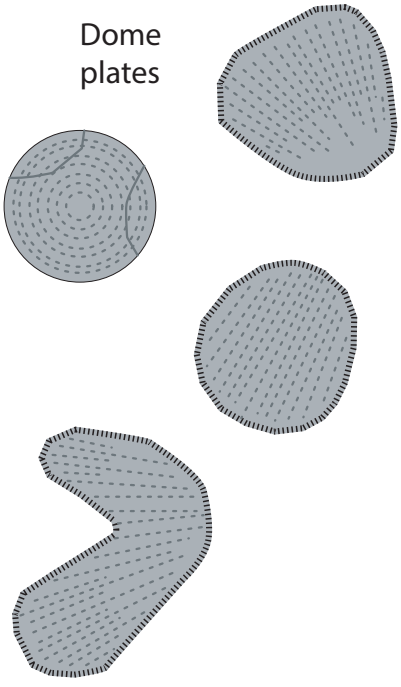
1 inch

Top ring for HSR

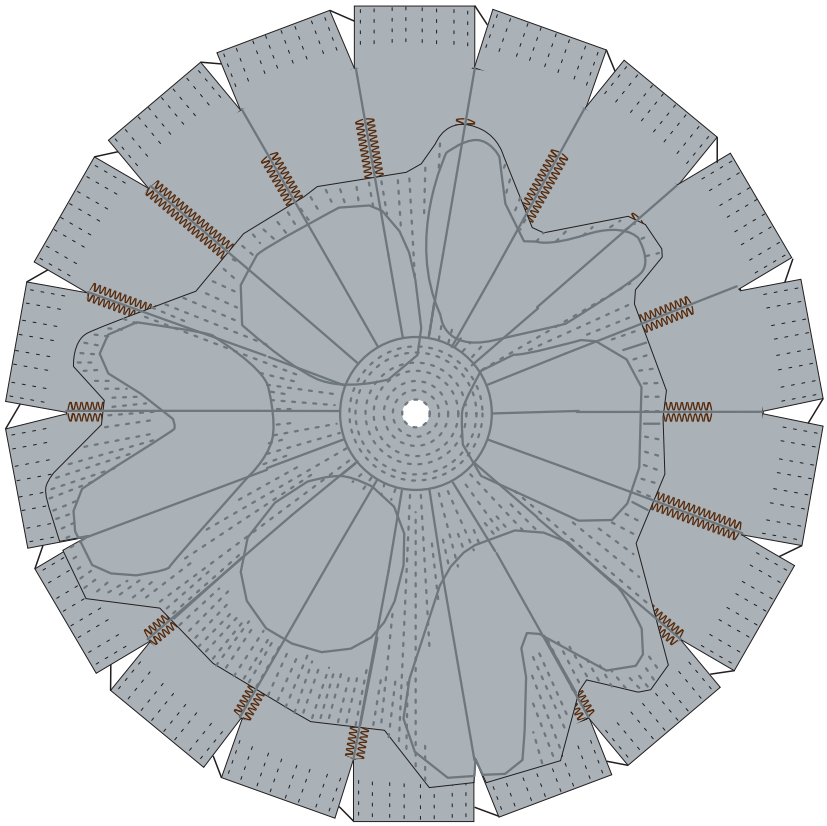
cut



Dome plates



HSR dome



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Booster v3

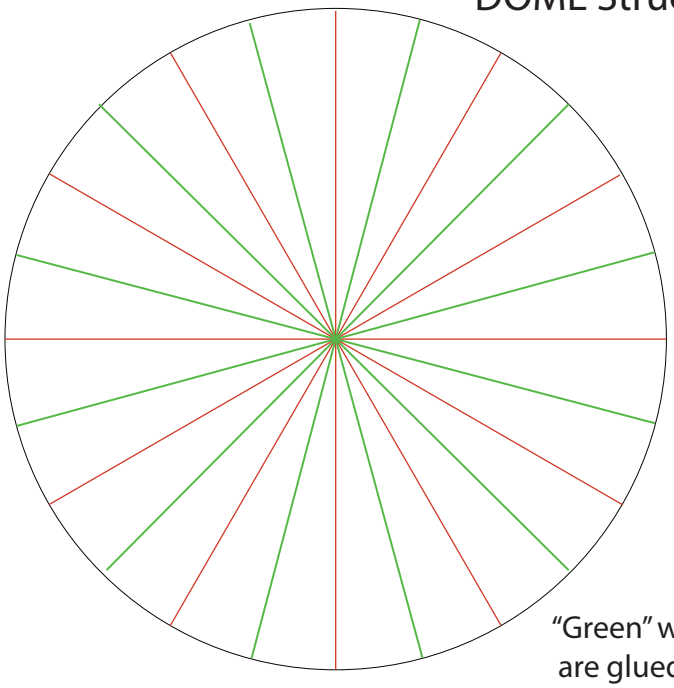
Print on Cardstock (110 lbs)

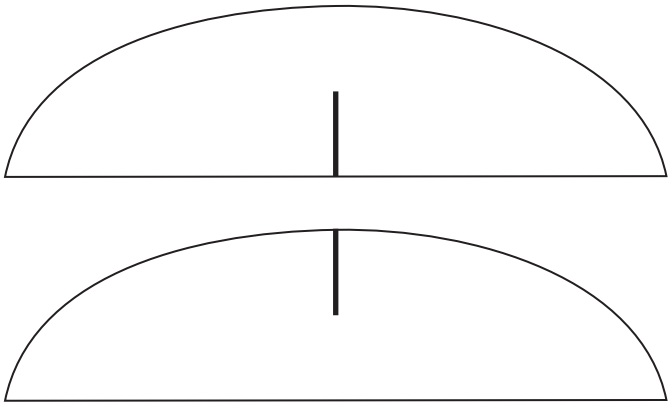
1 cm

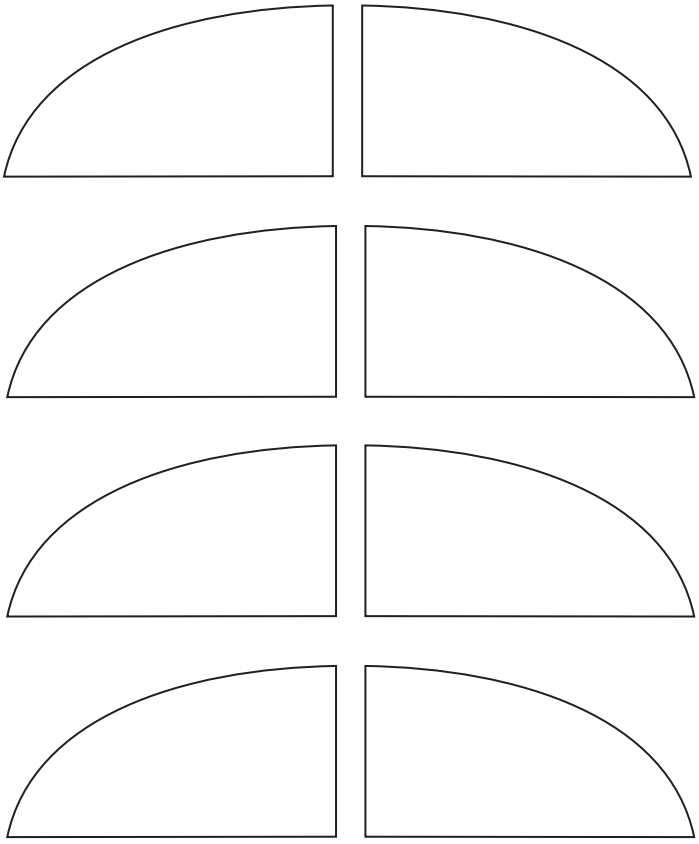
1 inch

1:100 Scale

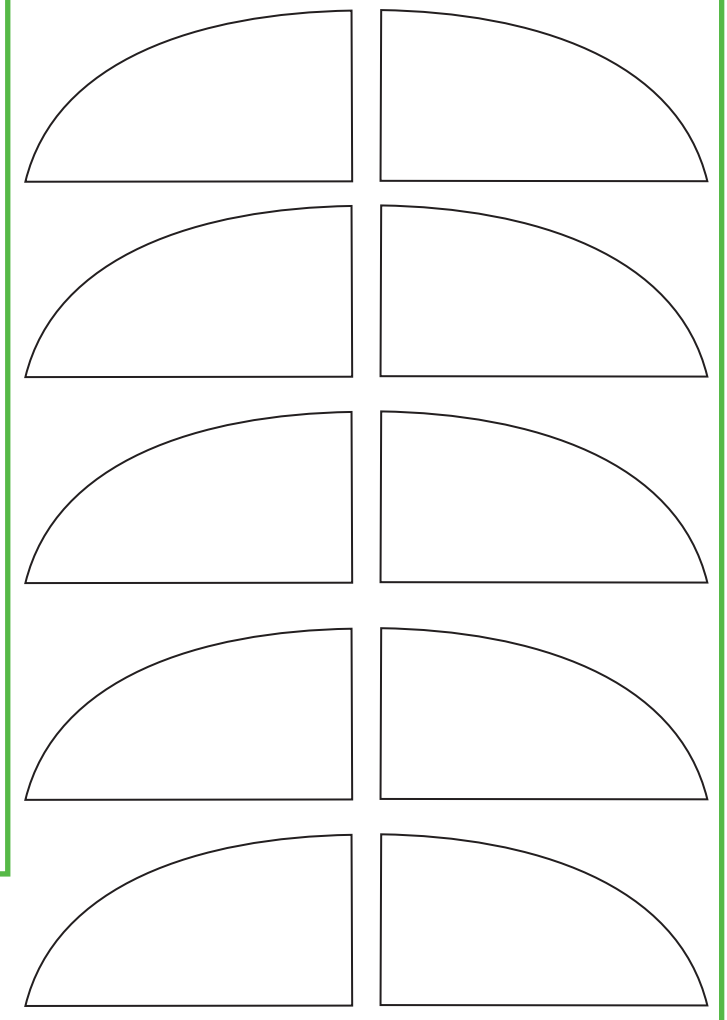
DOME Structure

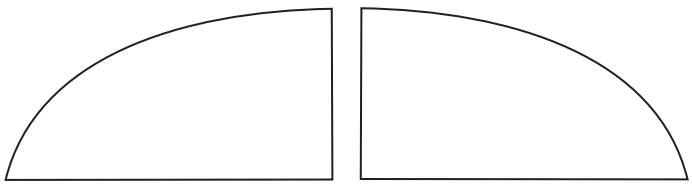






"Green" walls are glued last





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Booster V3

Print on Cardstock (110 lbs)

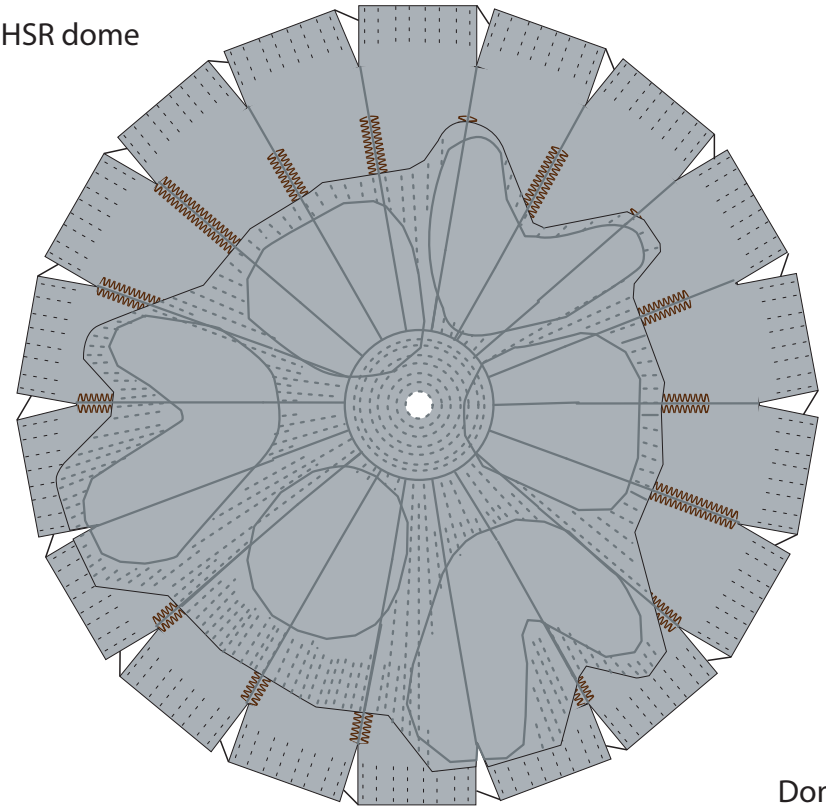
Use for 3D printed HSR

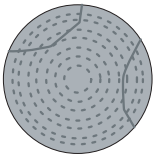
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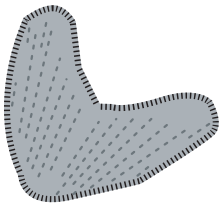
1 cm

1 inch

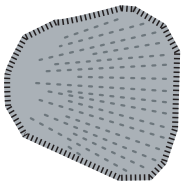
HSR dome

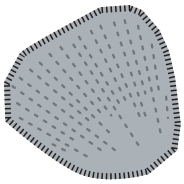


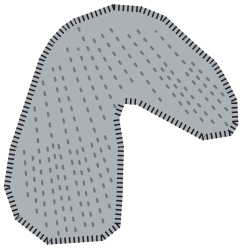


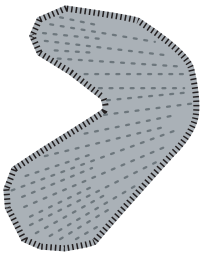


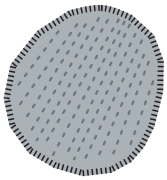
Dome plates











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Booster v3

For 3D HSR

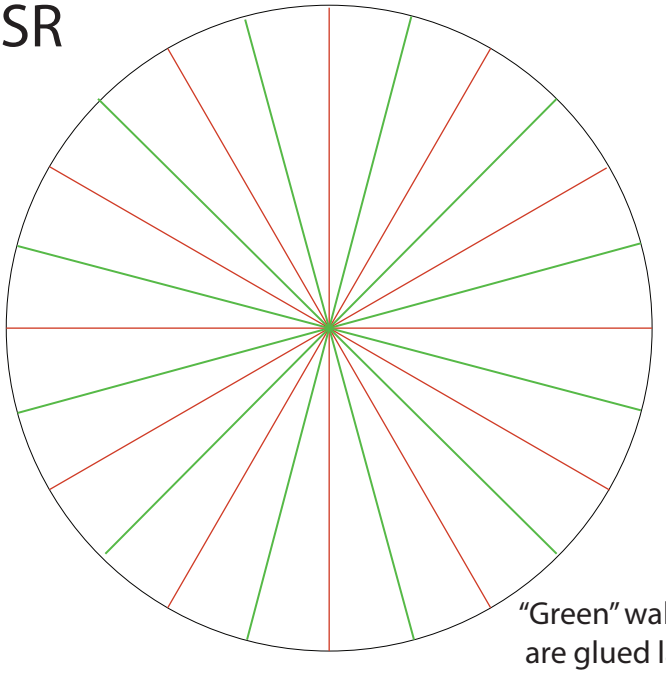
Print on Cardstock (110 lbs)

1 cm

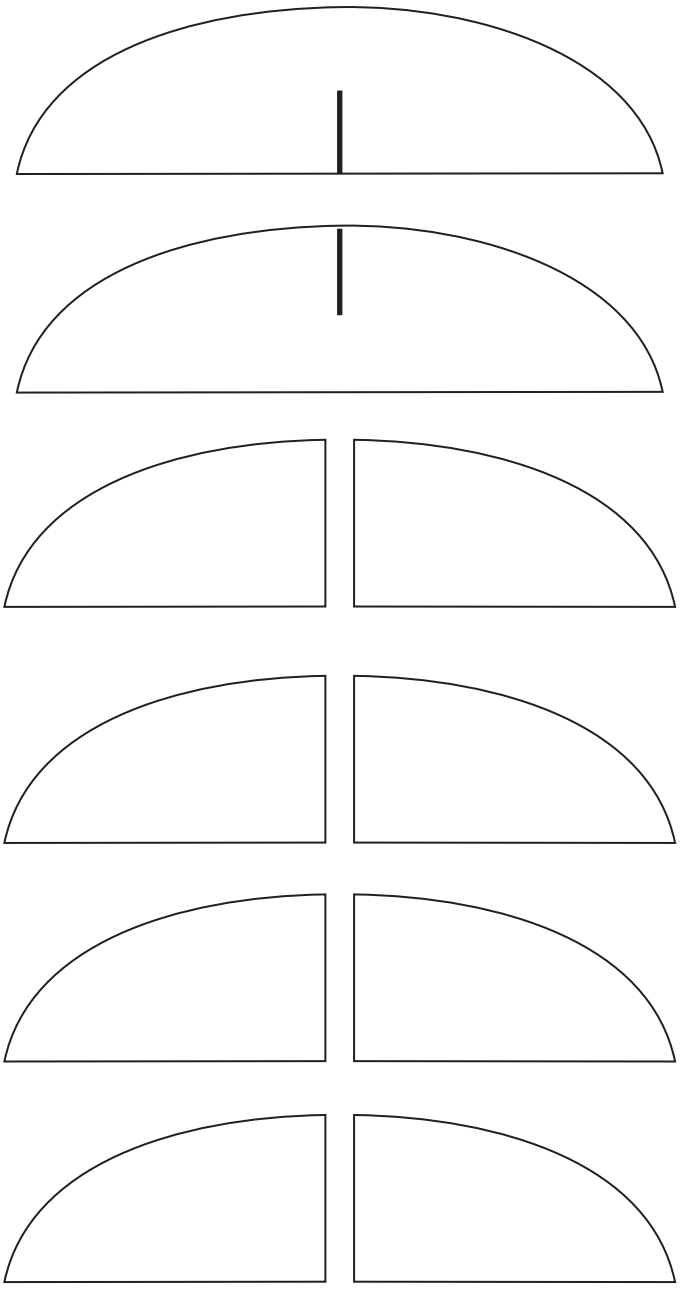
1 inch

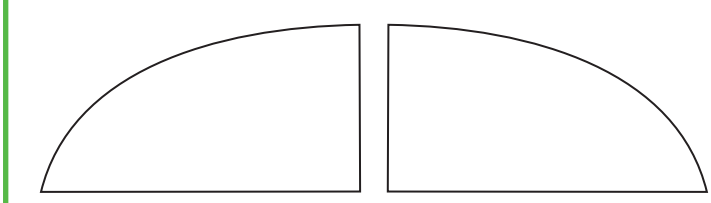
1:100 Scale

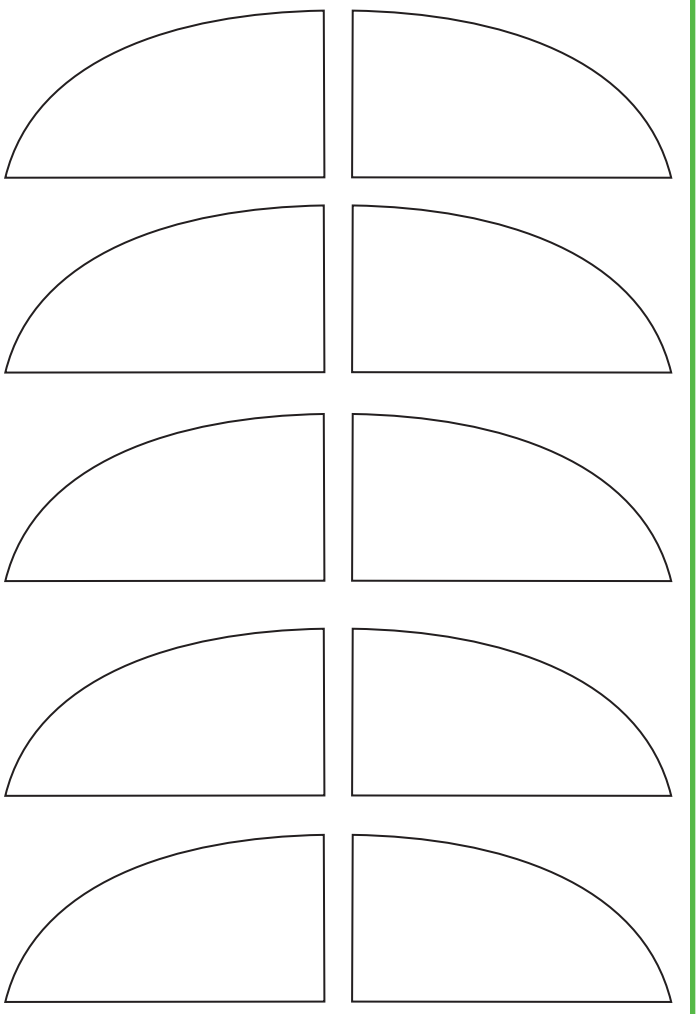
DOME Structure



"Green" walls
are glued last







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SuperHeavy B19

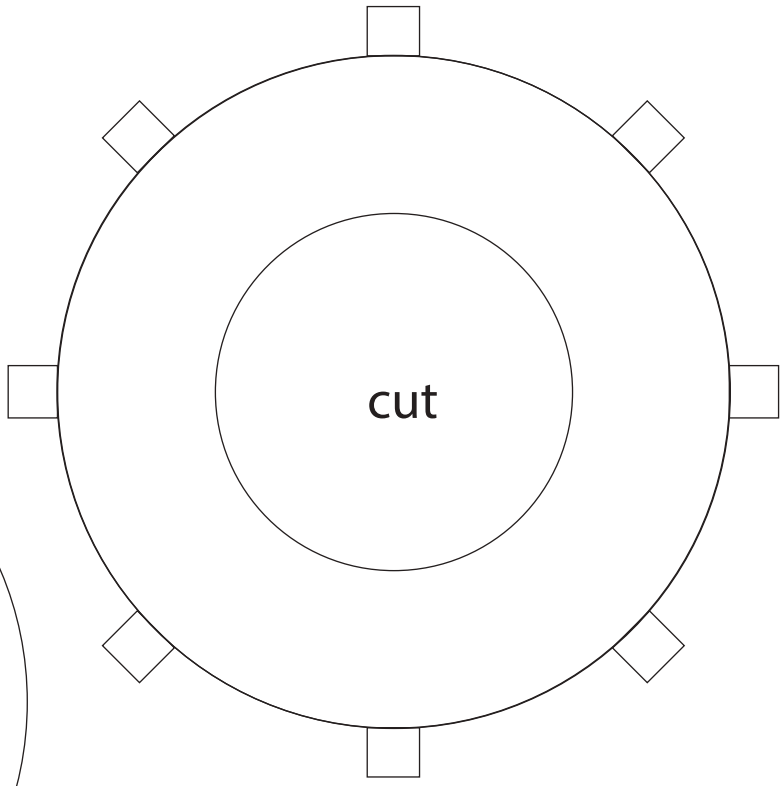
Print on Cardstock (110 lbs)

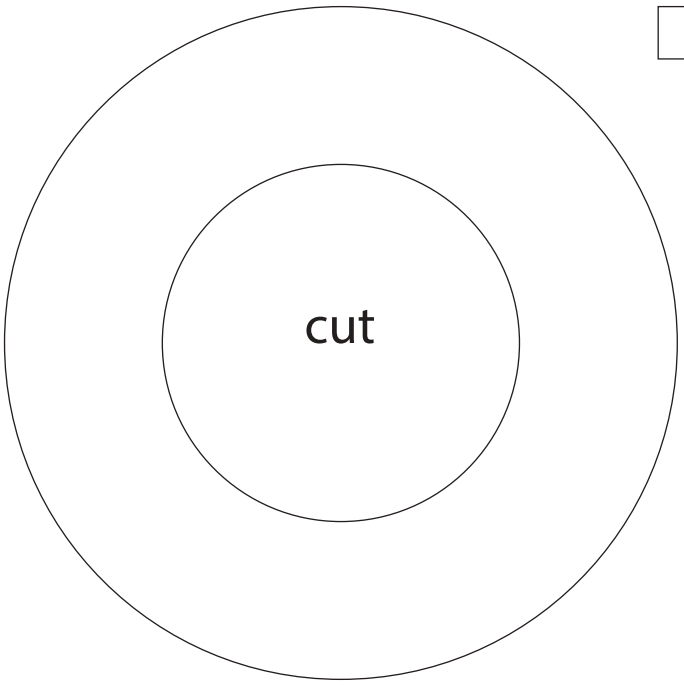
Former for upper dome

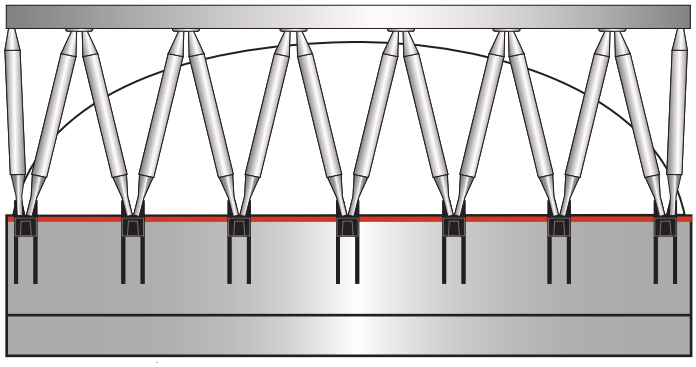
1 cm

1 inch

1:100 Scale







IMPORTANT

Top former is glued at the top edge of upper body

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1:100 Scale

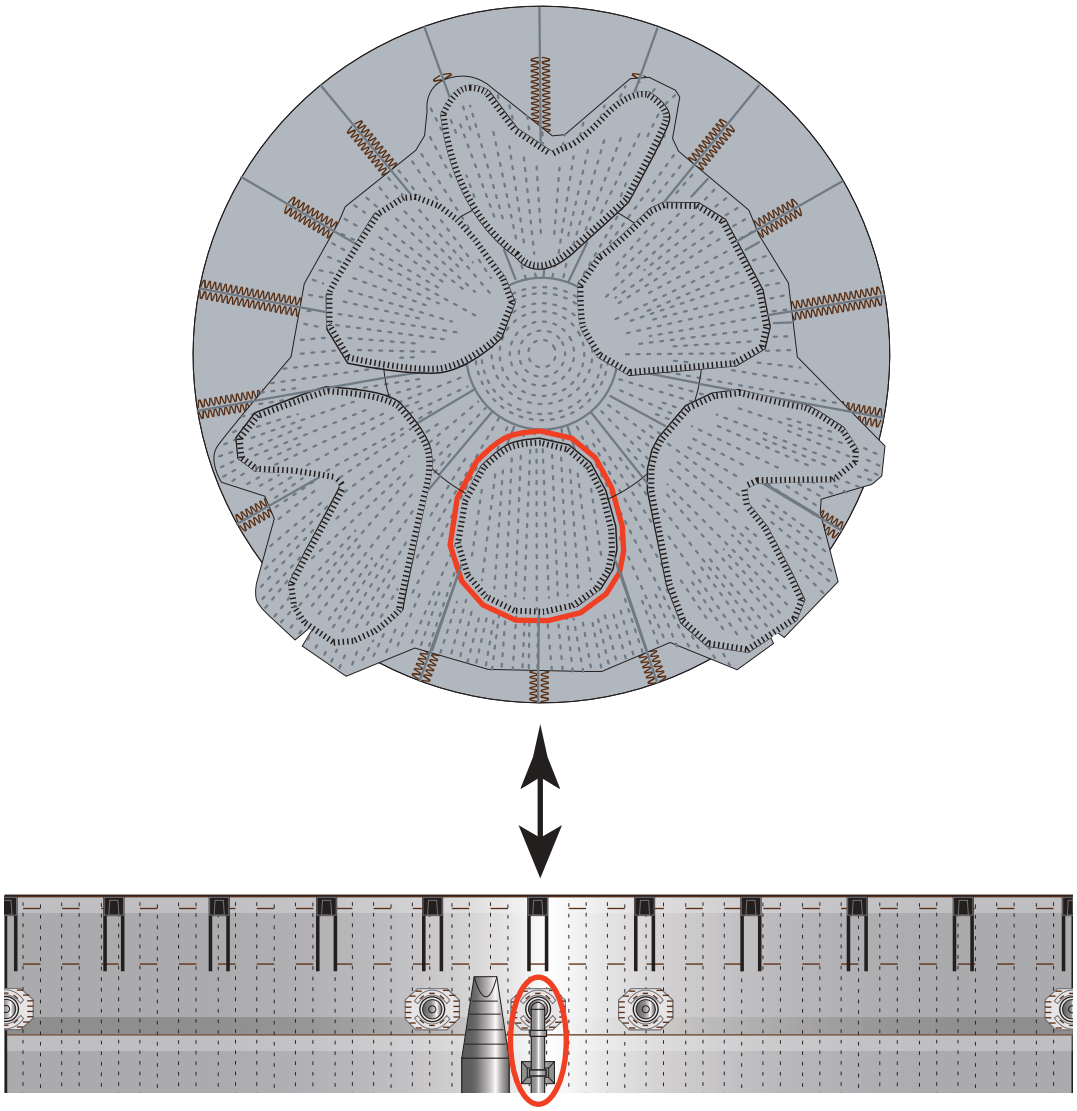
1 cm

1 inch

Booster 19

Print on Cardstock (110 lbs)

HSR Dome Alignment



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SuperHeavy B19 Grid Fins

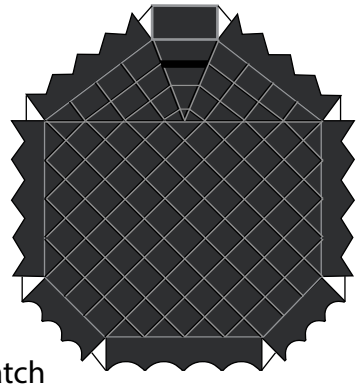
Simple version

Print on Cardstock (110 lbs)

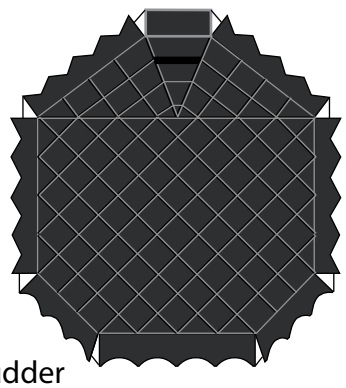
1 cm

1 inch

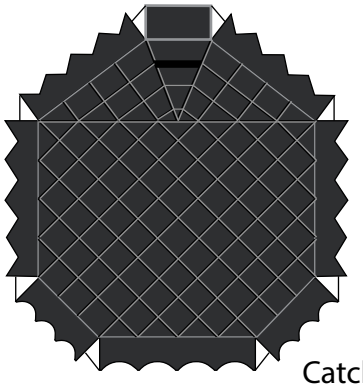
1:100 Scale



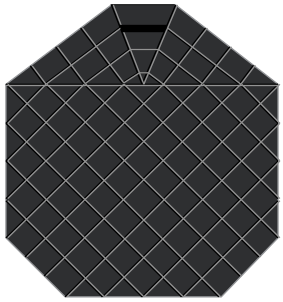
Catch gridfin

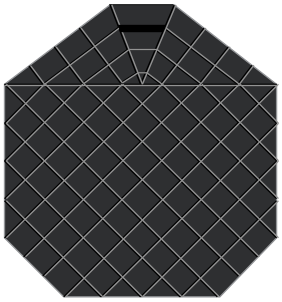


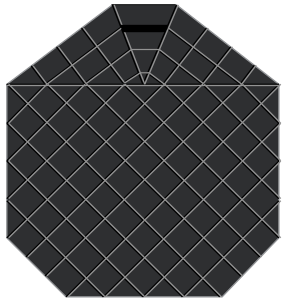
Rudder gridfin

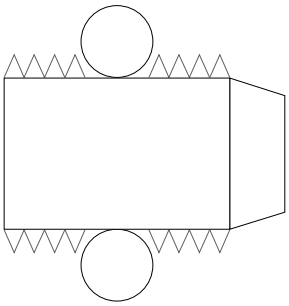


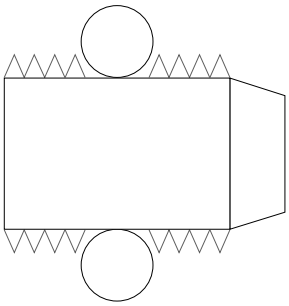
Catch gridfin

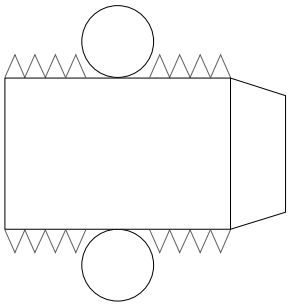


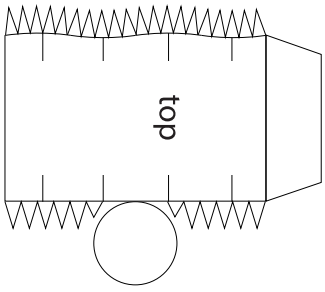


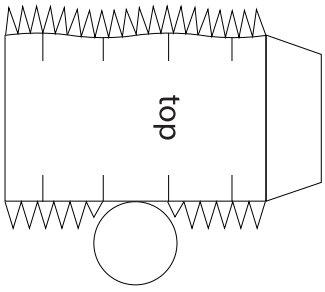


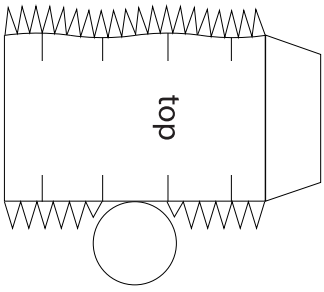












Cylinders inside booster

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SuperHeavy B19 Grid Fins

Print on Cardstock (110 lbs)

Back Print



SuperHeavy Booster B19

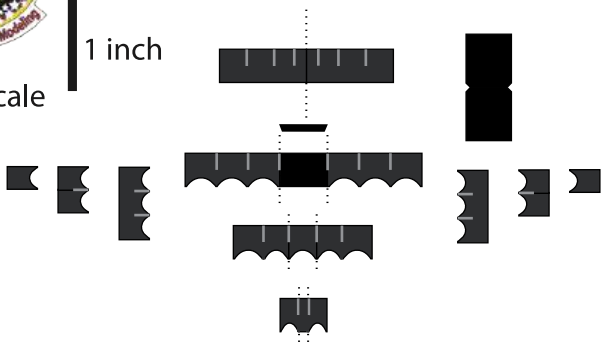
Catch Grid fins detailed version

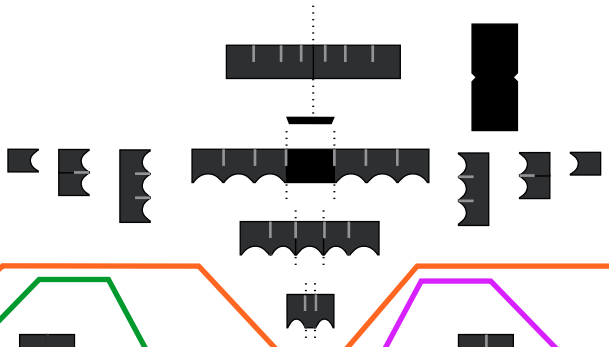
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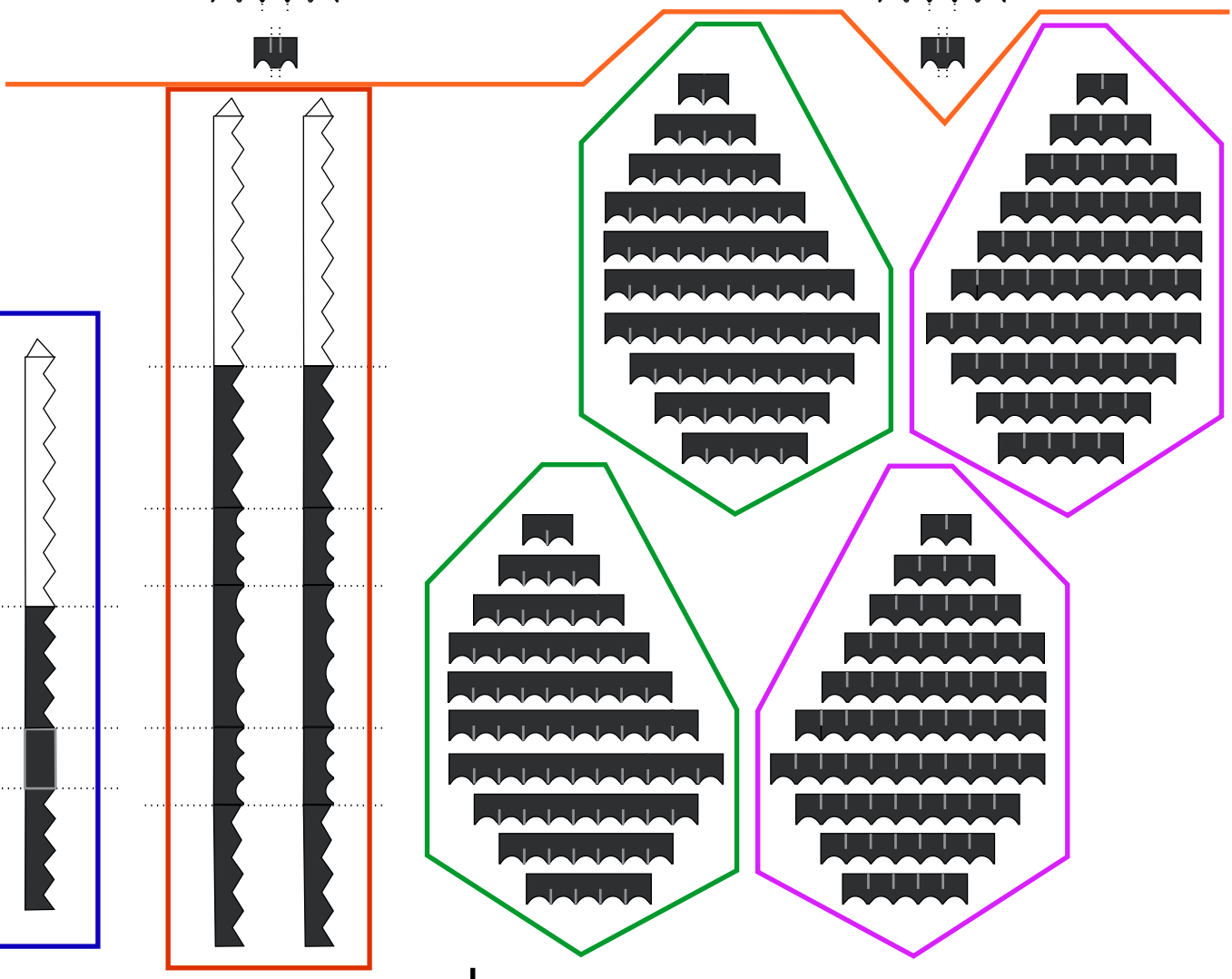
1 cm

1 inch

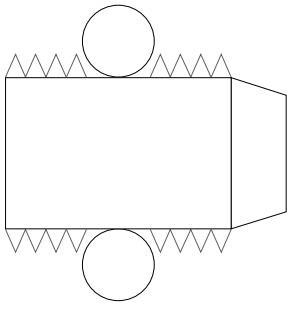
1:100 Scale



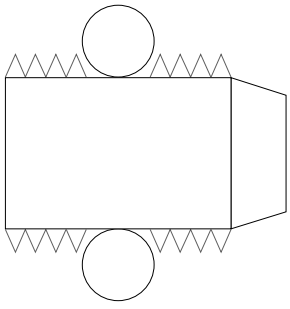




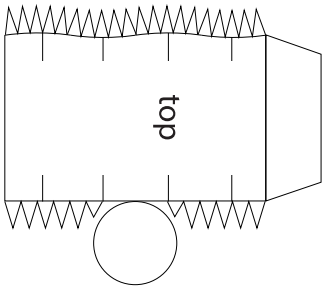
Catch gridfin

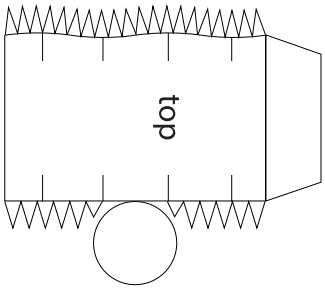


Catch gridfin



Cylinders inside booster





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Catch Grid fins detailed version back print



1 cm

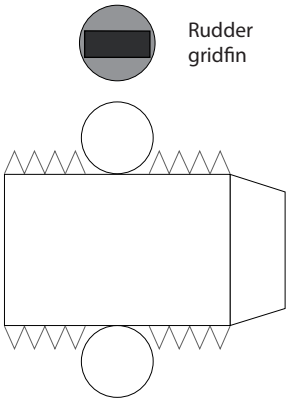
1 inch

1:100 Scale

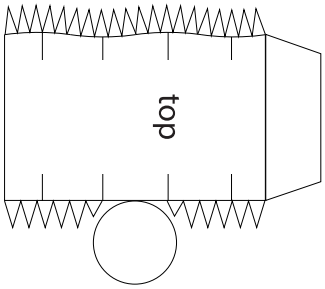
SuperHeavy Booster B19

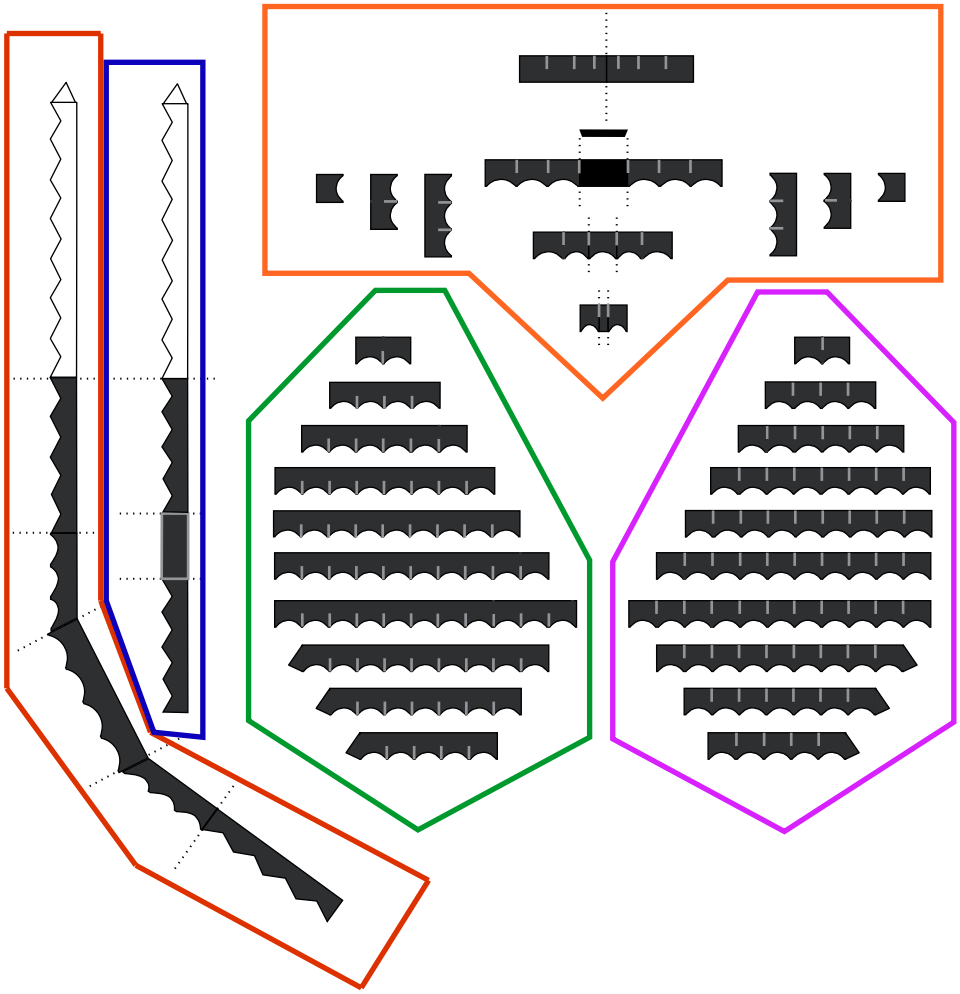
Rudder Grid fin detailed version

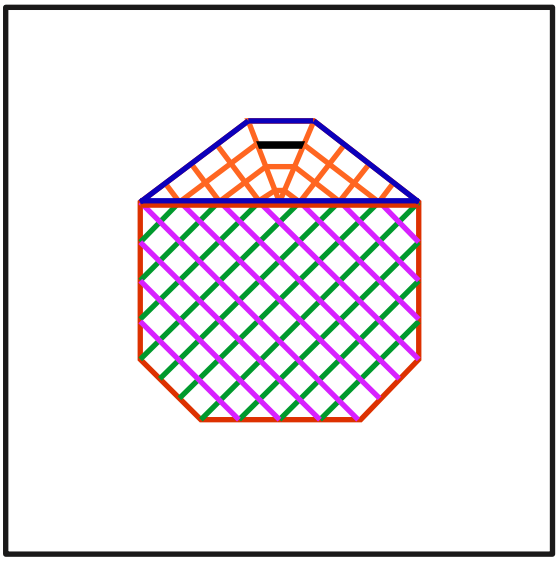
Print on Cardstock (110 lbs)



Cylinder inside booster



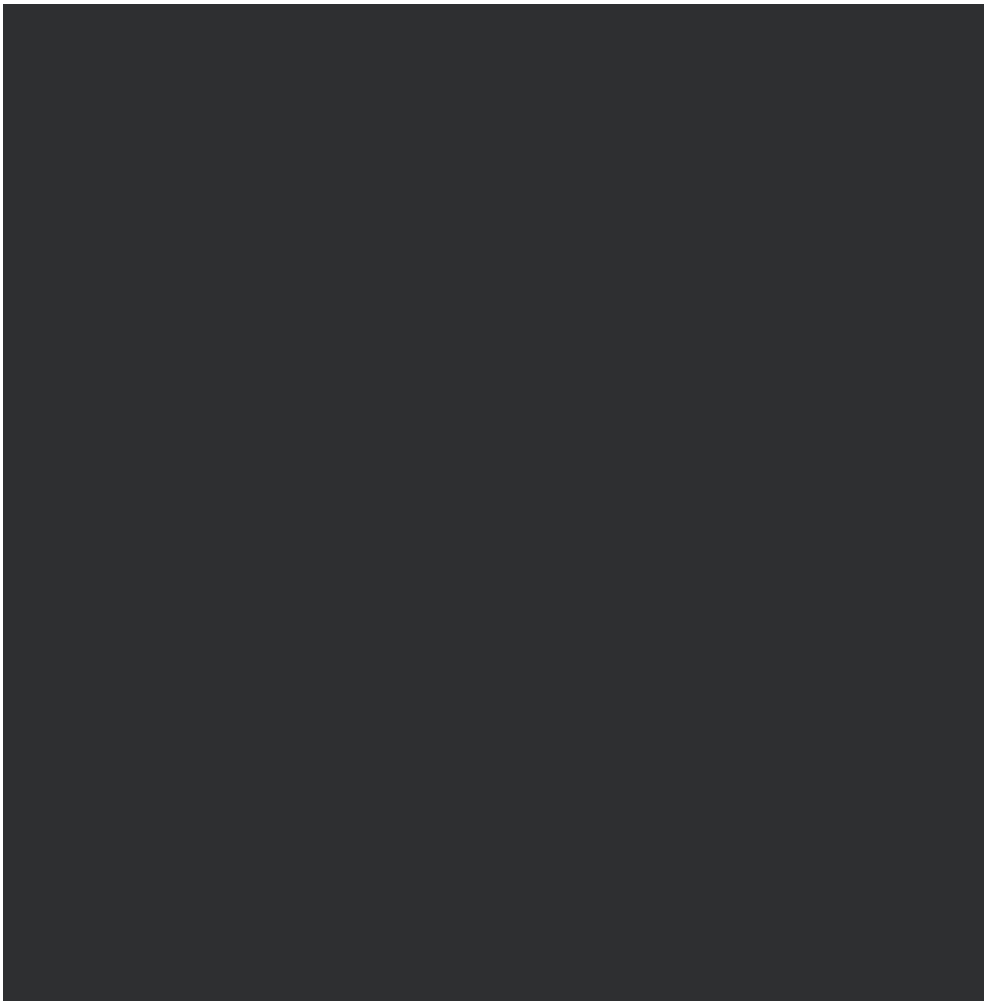




Use this template as a guide during assembly

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Rudder Grid fin detailed version Back print



Booster V3

Print on Cardstock (110 lbs)

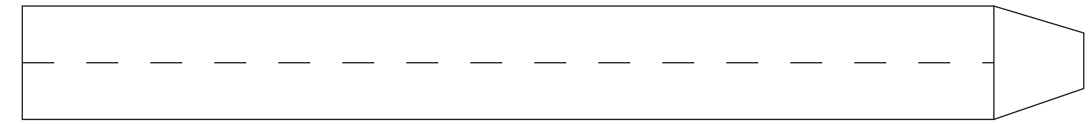
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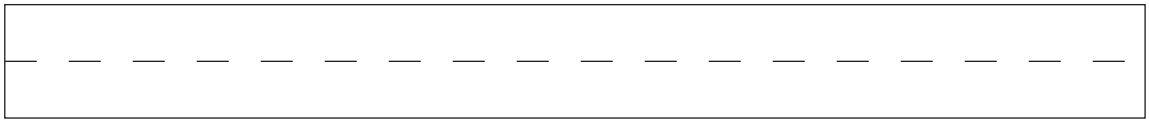
1 cm

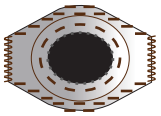
1 inch

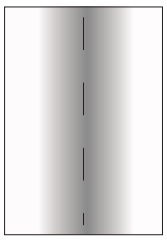
Front side top

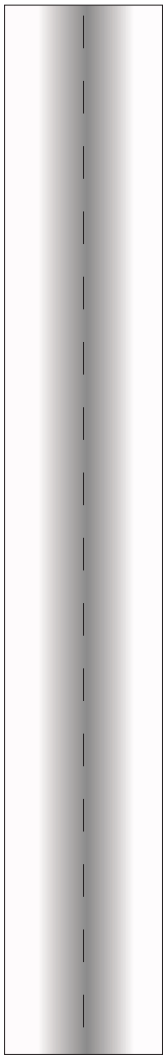
top/middle

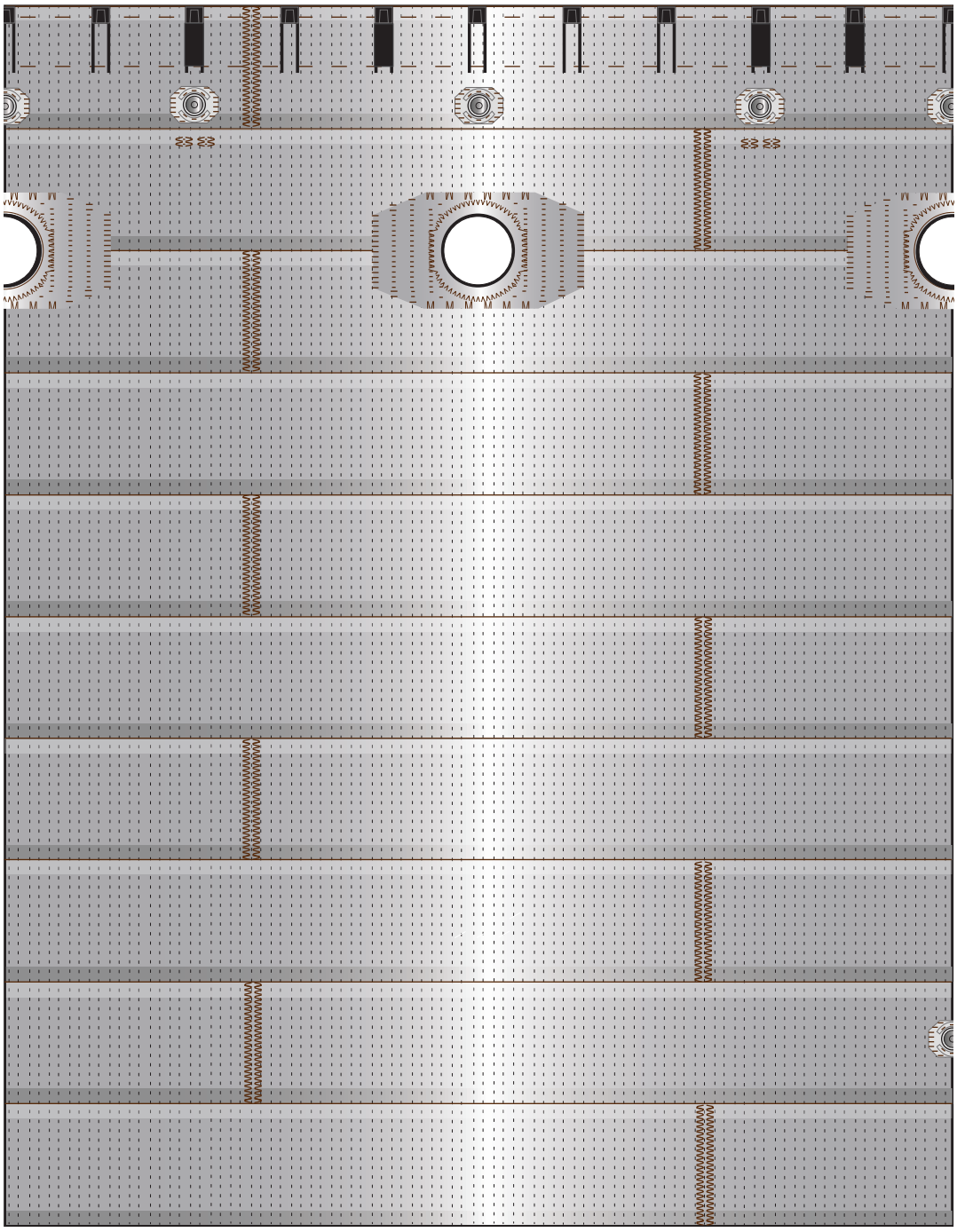












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Booster V3

Print on Cardstock (110 lbs)

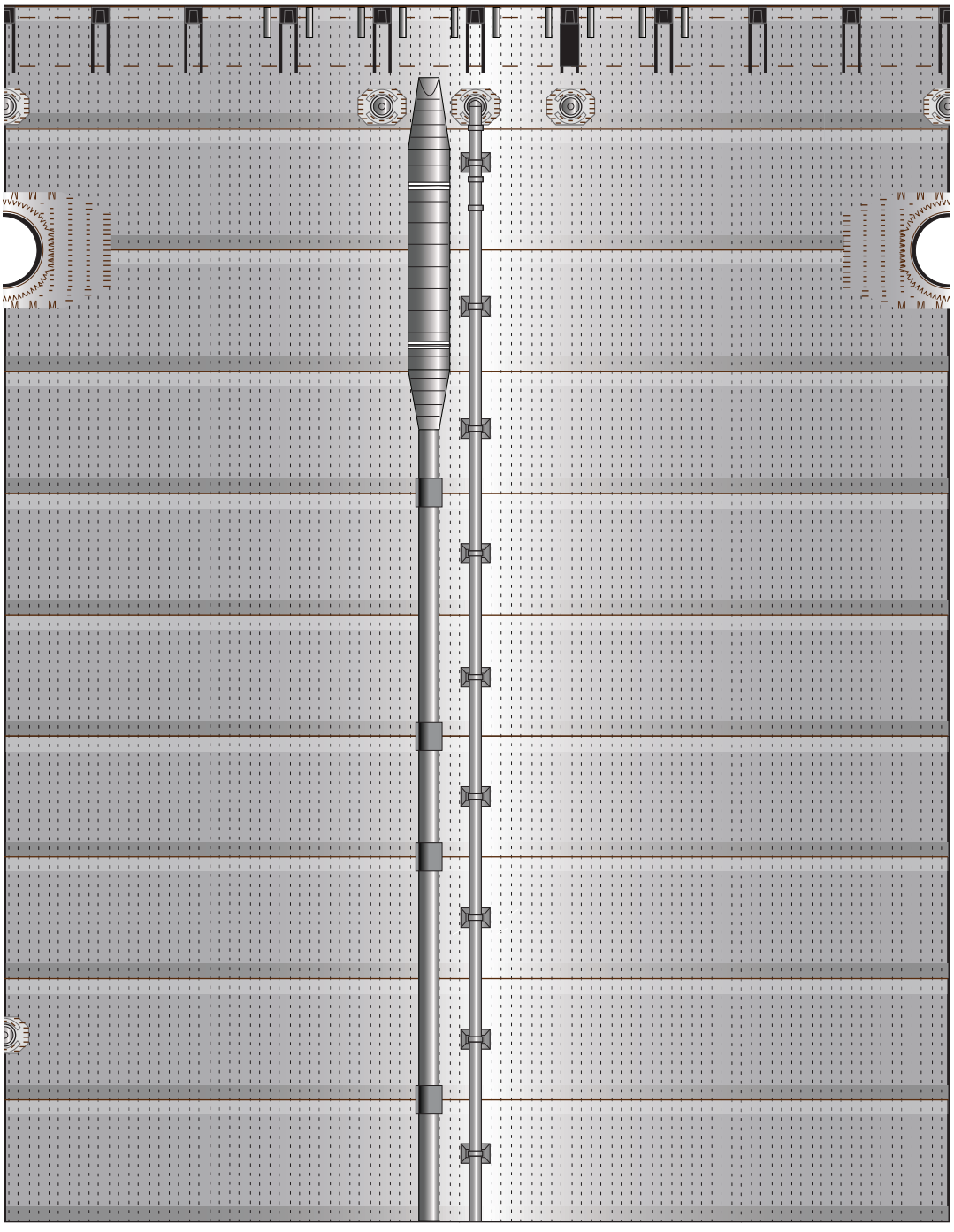
Umbilical side top

1 cm

1 inch

1:100 Scale

middle/bottom



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1:100 Scale

Booster V3

Print on Cardstock (110 lbs)

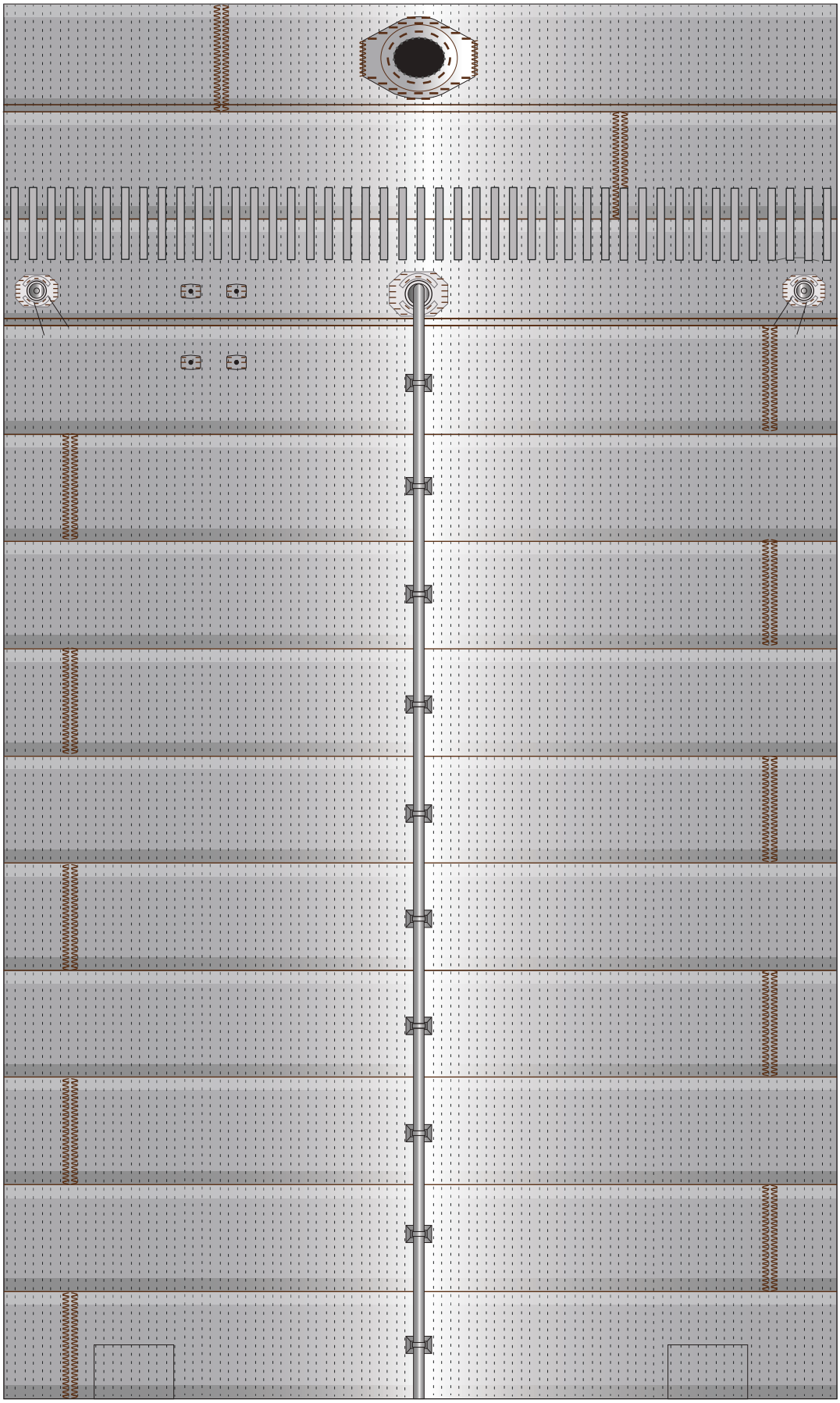
Front middle

1 cm

1 inch

R

L



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1:100 Scale

Booster V3

Print on Cardstock (110 lbs)

Umbilical middle

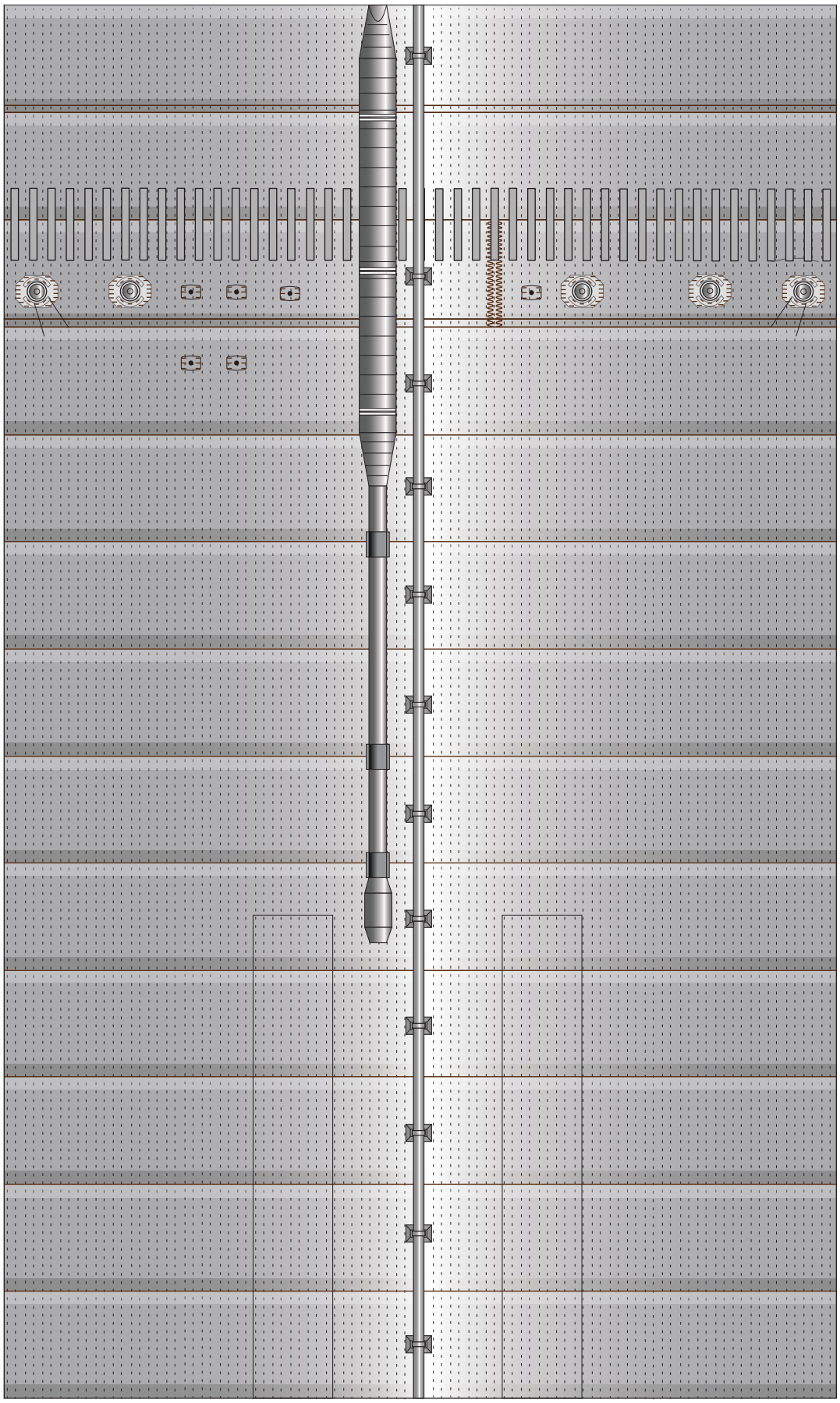
Updated

1 cm

1 inch

R

L



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1:100 Scale

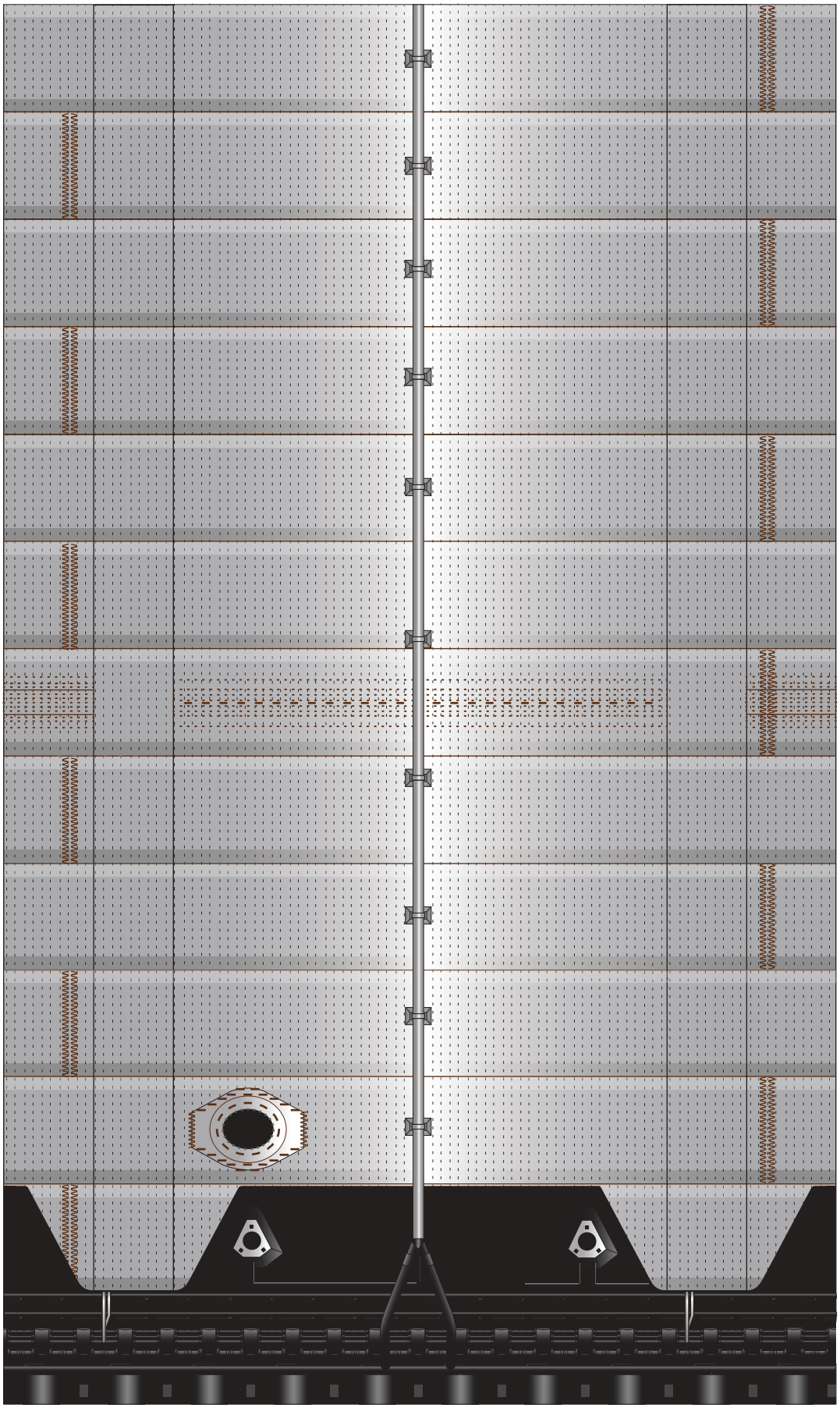
Booster V3

Print on Cardstock (110 lbs)

Front bottom

1 cm

1 inch



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1:100 Scale

Booster V3

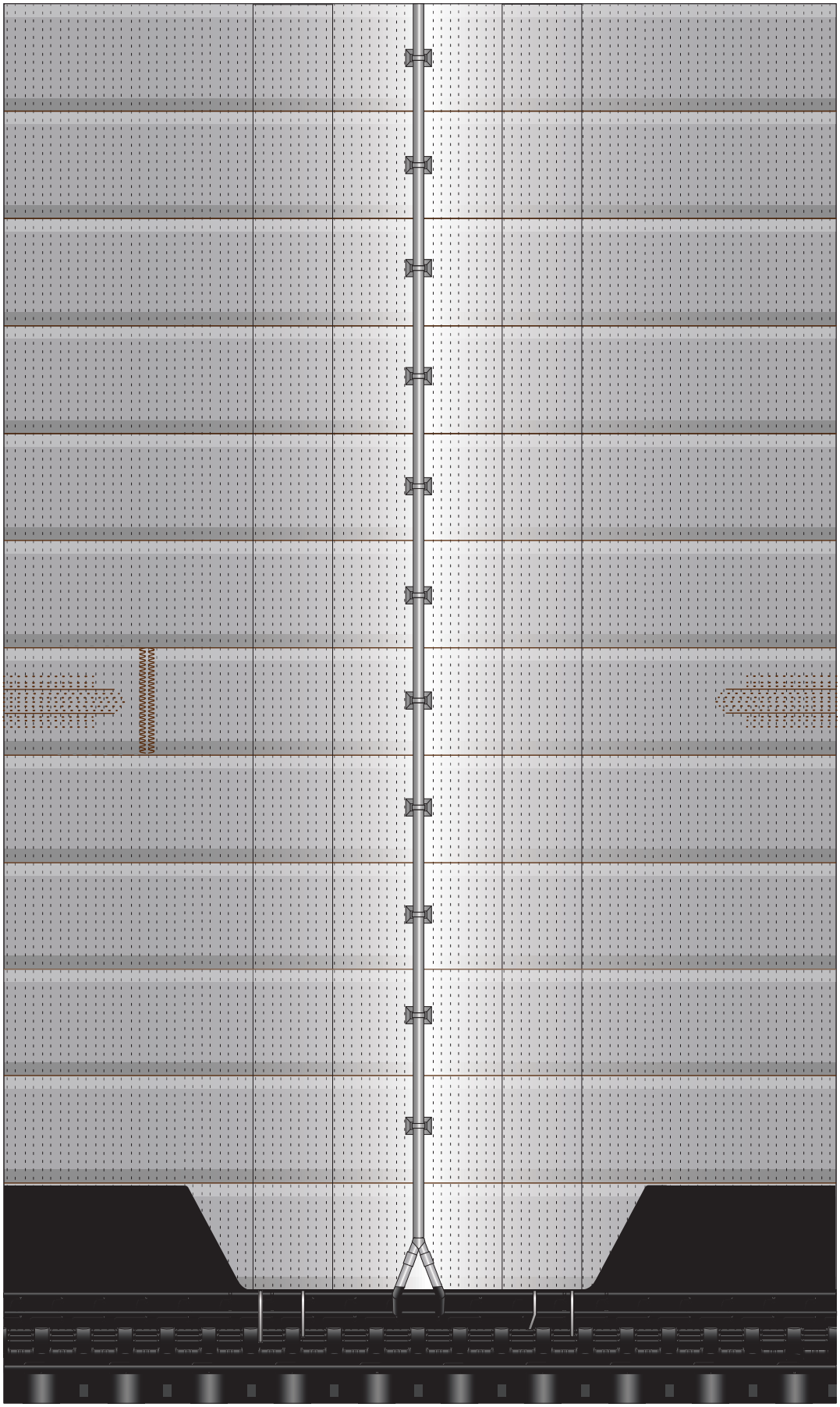
Print on Cardstock (110 lbs)

Umbilical bottom

Updated

1 cm

1 inch



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Booster V3

COPV covers

Print on Cardstock (110 lbs)

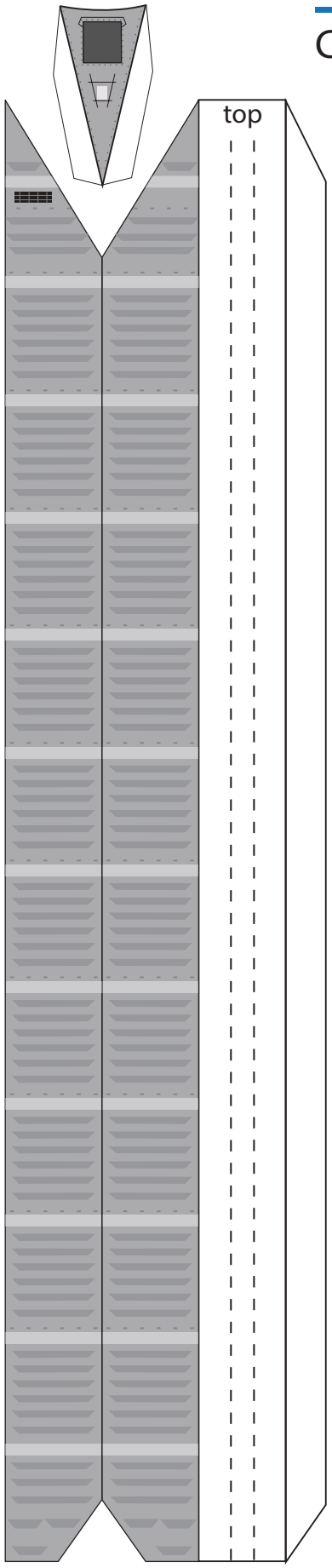
1:100 Scale

1 cm

1 inch

outside

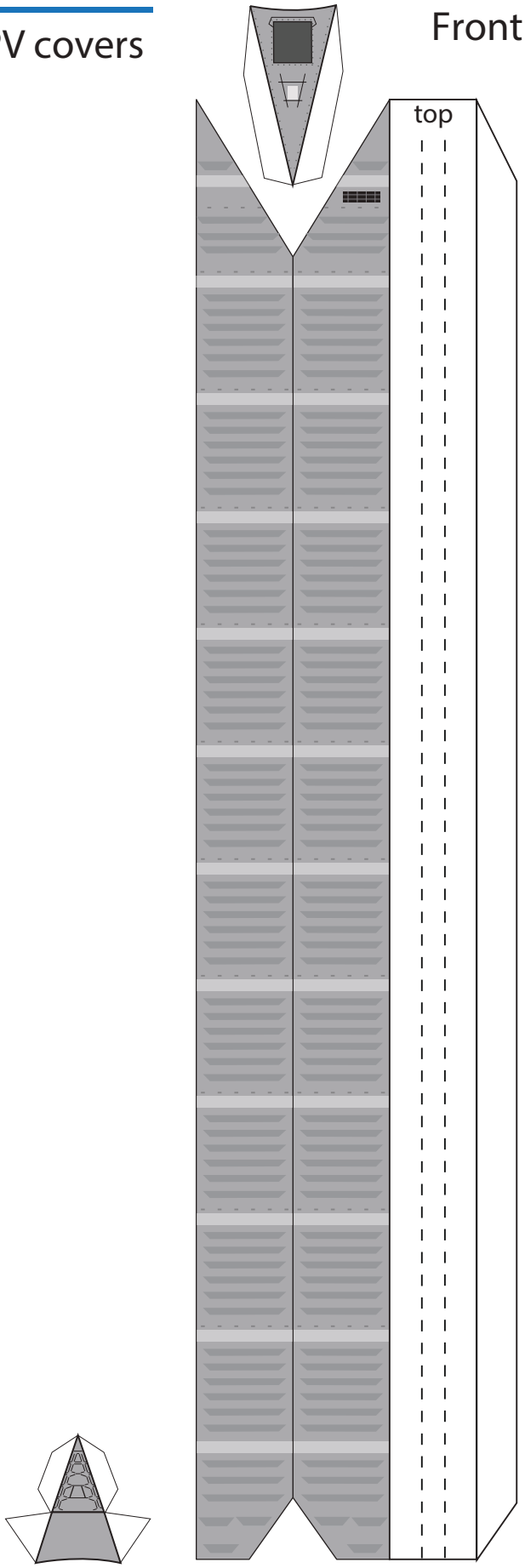
top

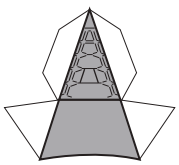


Front side

top

outside





©2026 Not for commercial use

Booster V3

COPV covers

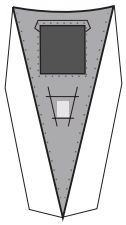
Print on Cardstock (110 lbs)

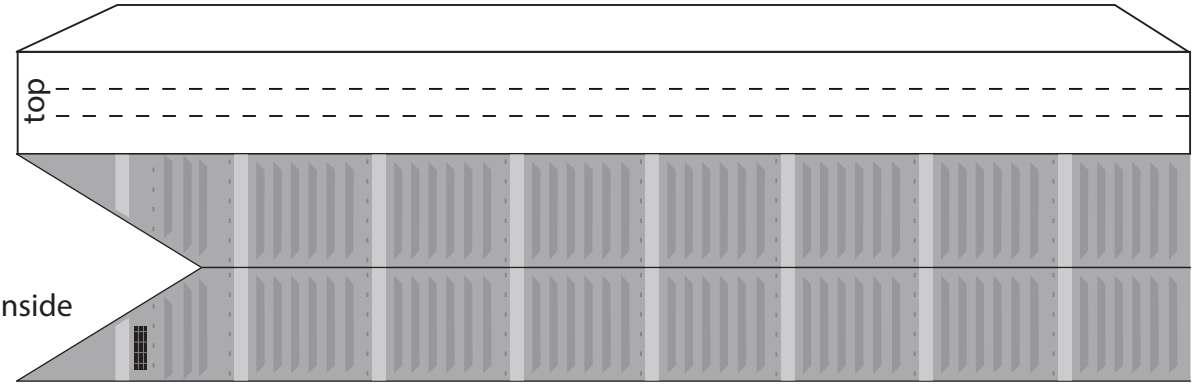
Umbilical side

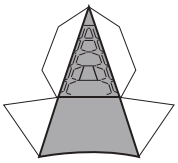
1:100 Scale

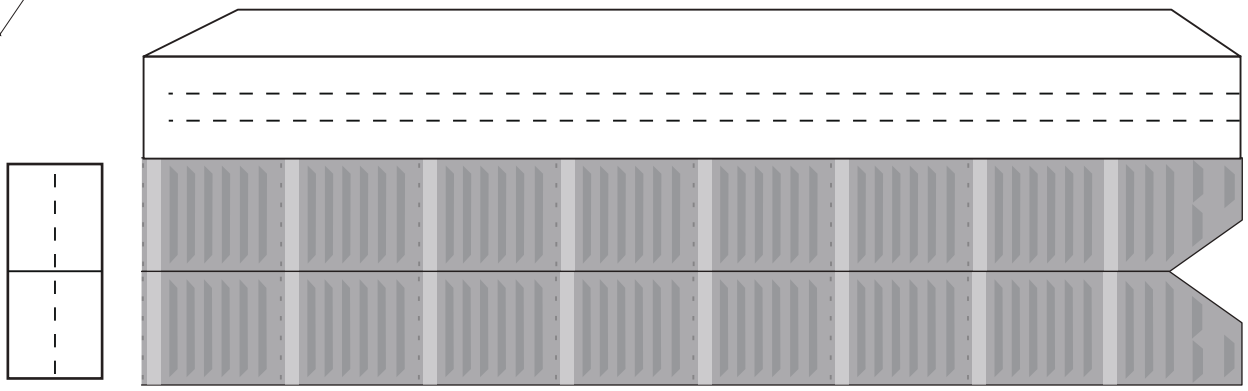
1 cm

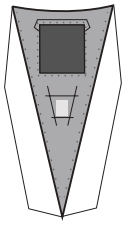
1 inch

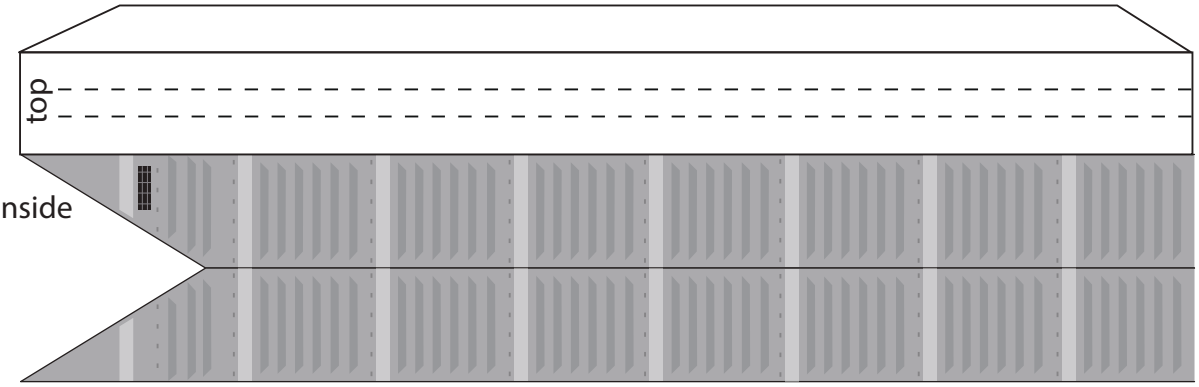


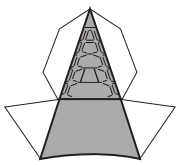


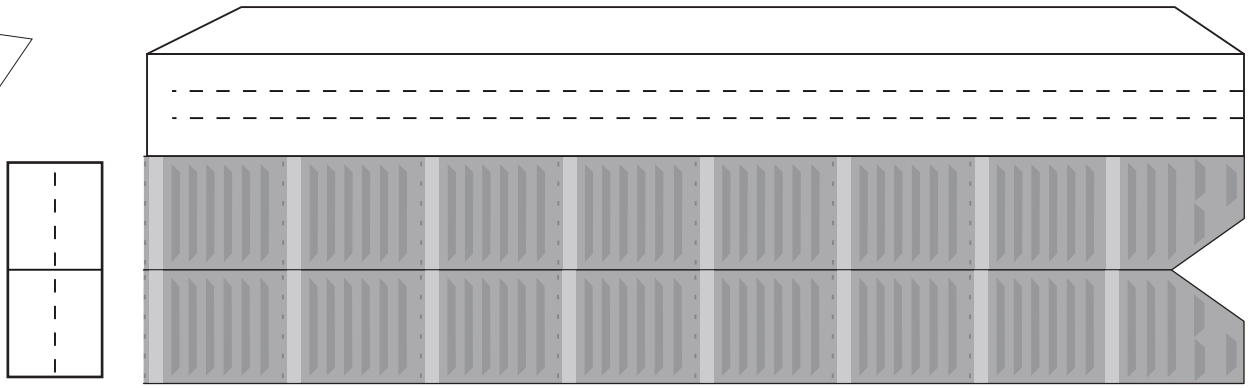












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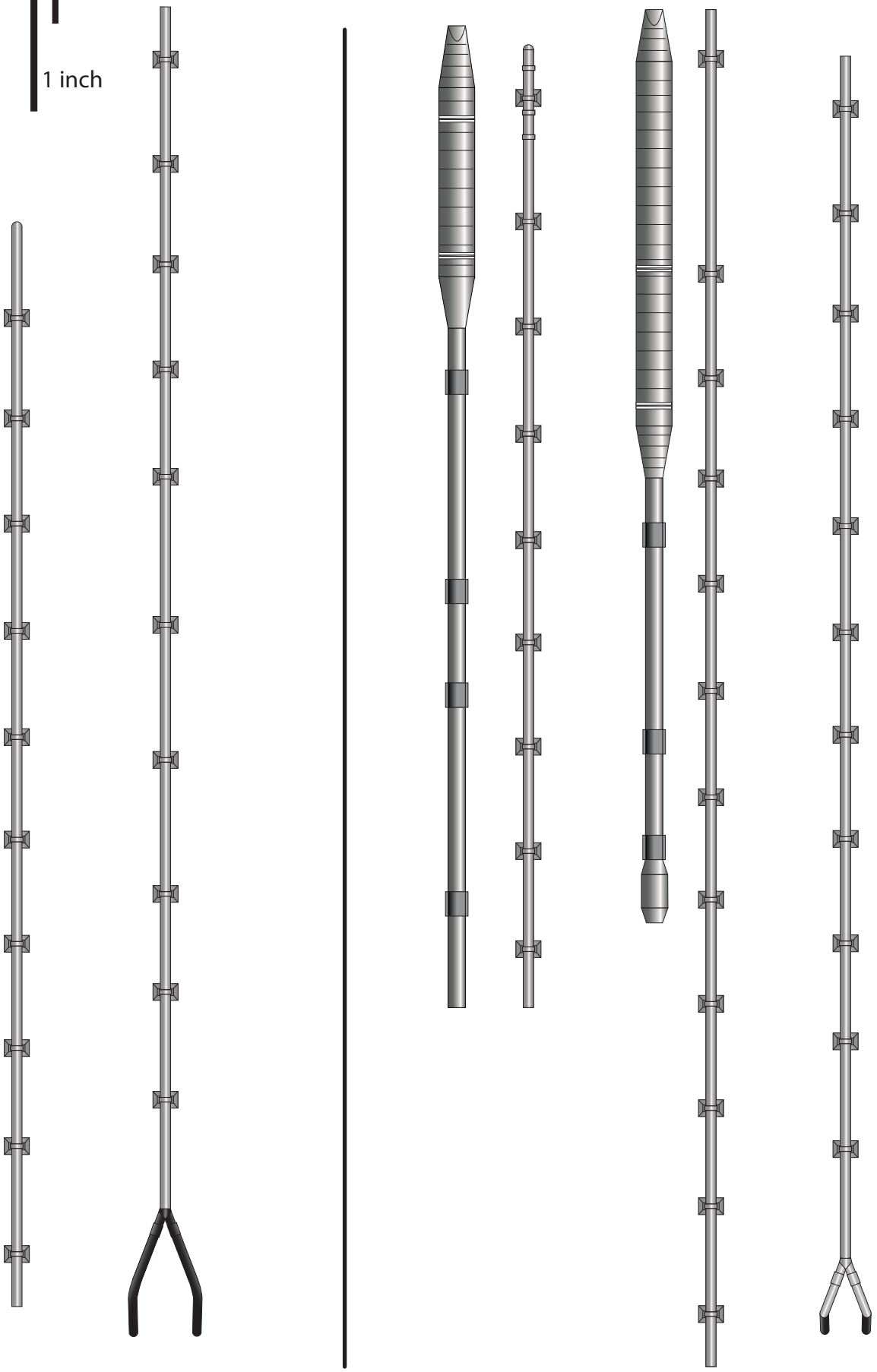
Booster V3

Print on Cardstock (110 lbs)

1 cm

1 inch

1:100 Scale



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Booster v3

Print on Cardstock (110 lbs)

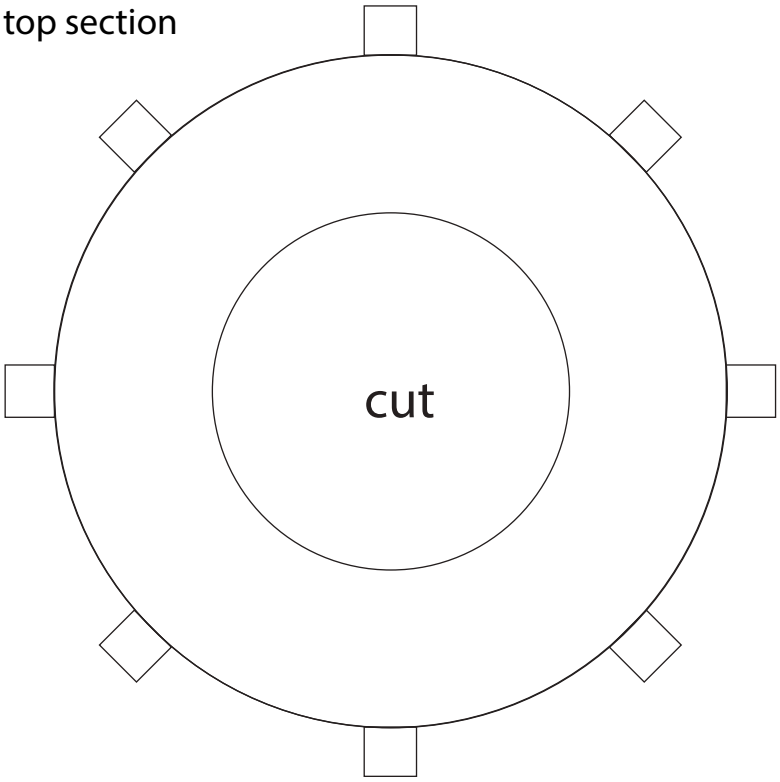
1 cm

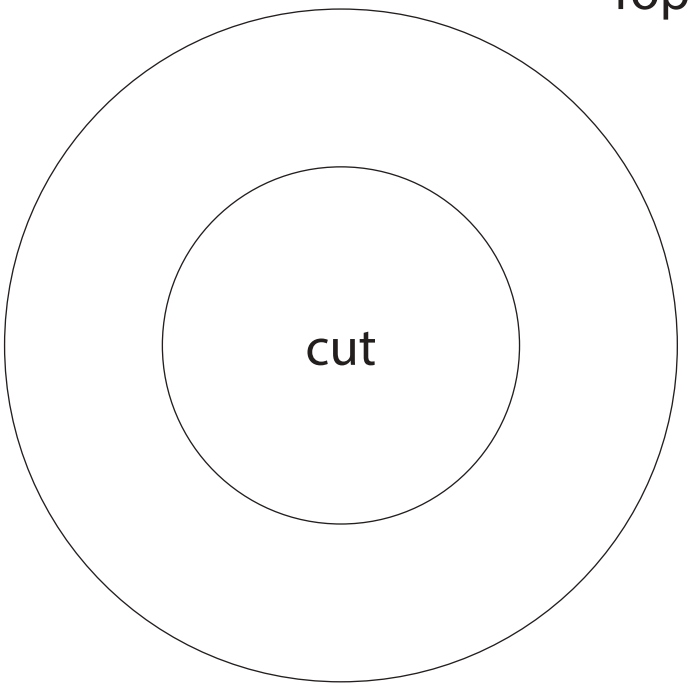
1 inch

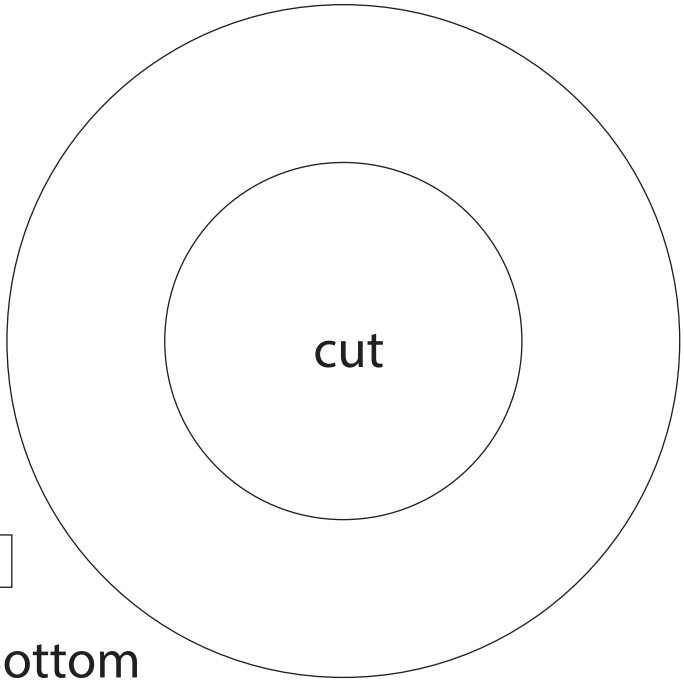
1:100 Scale

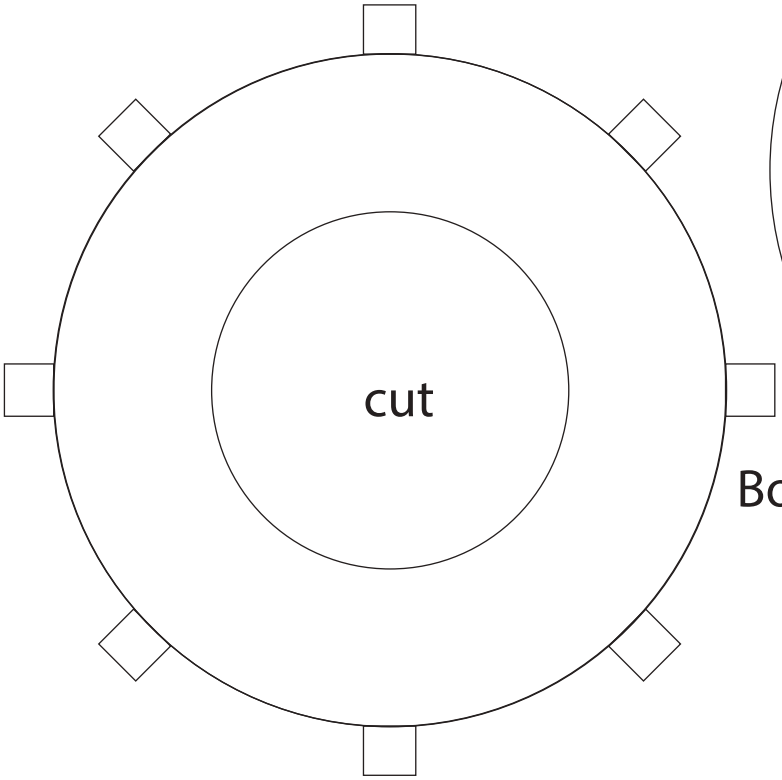
Formers top section

Top









Bottom

IMPORTANT

Top former is being replaced by HSR dome former.

Bottom former is glued 20 mm from bottom edge of top section

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Booster v3

Print on Cardstock (110 lbs)

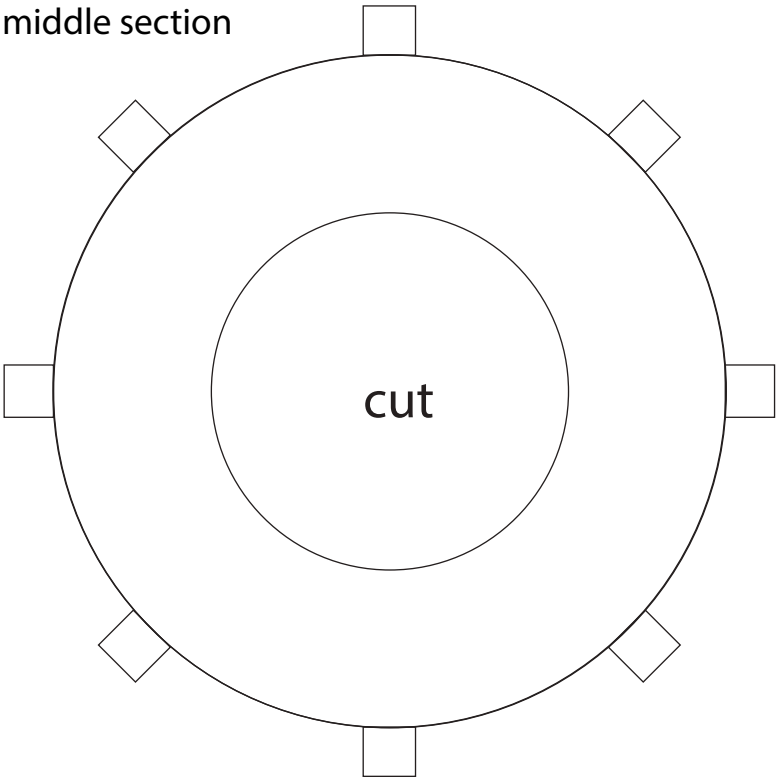
1 cm

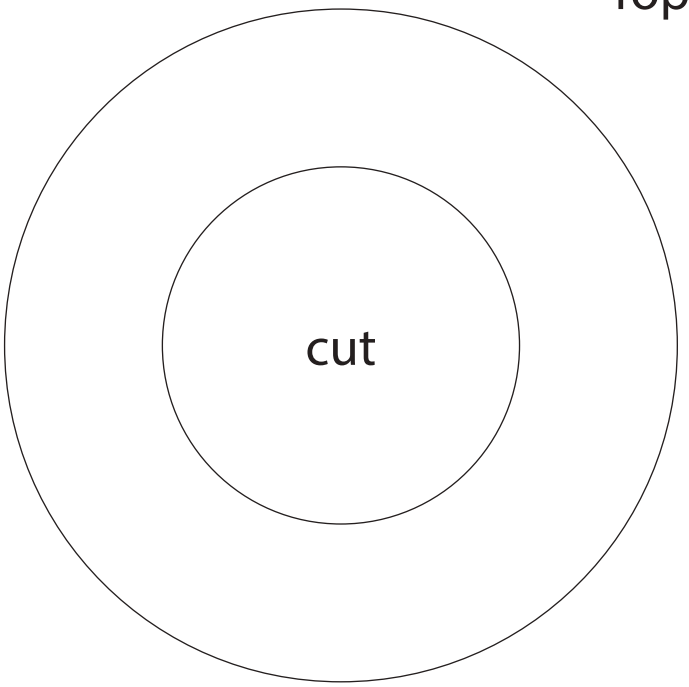
1 inch

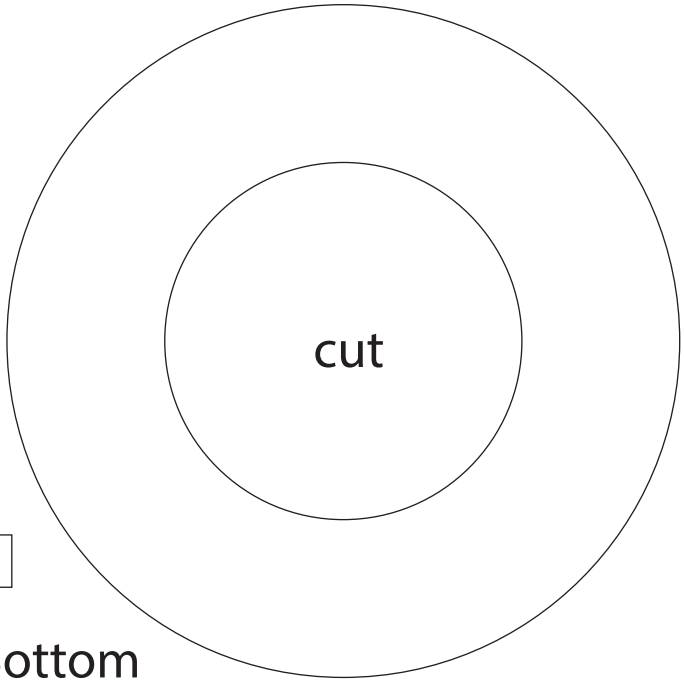
1:100 Scale

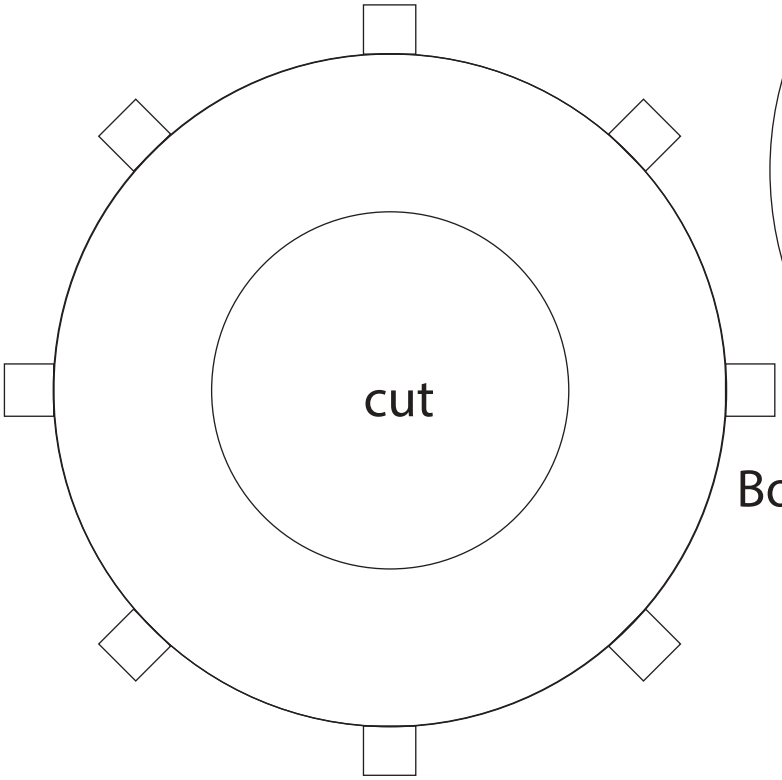
Formers middle section

Top









Bottom

IMPORTANT

Top former is glued 20 mm from top edge of middle section.

Bottom former is glued 20 mm from bottom edge of mid section

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Booster v3

Print on Cardstock (110 lbs)

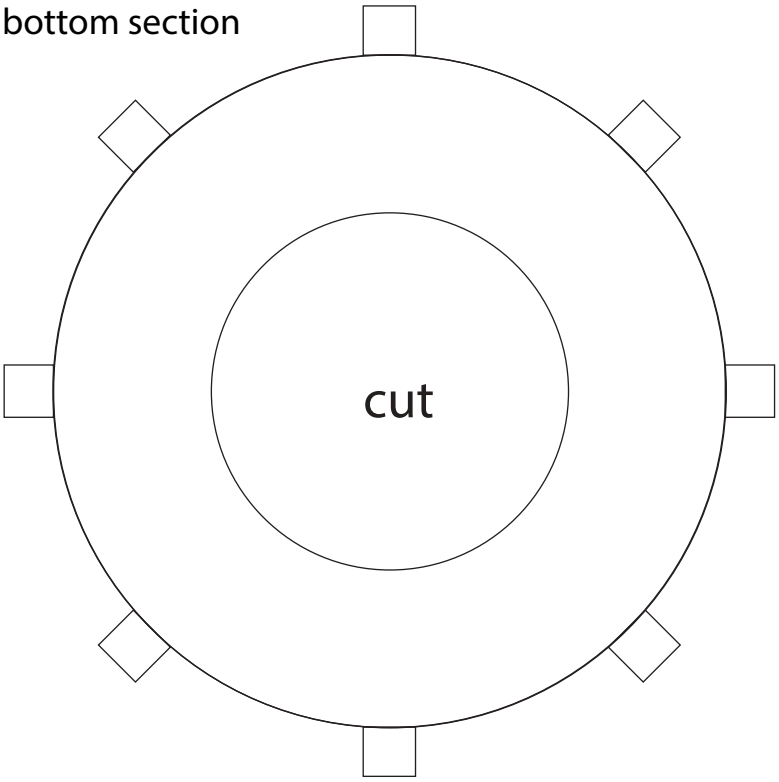
1 cm

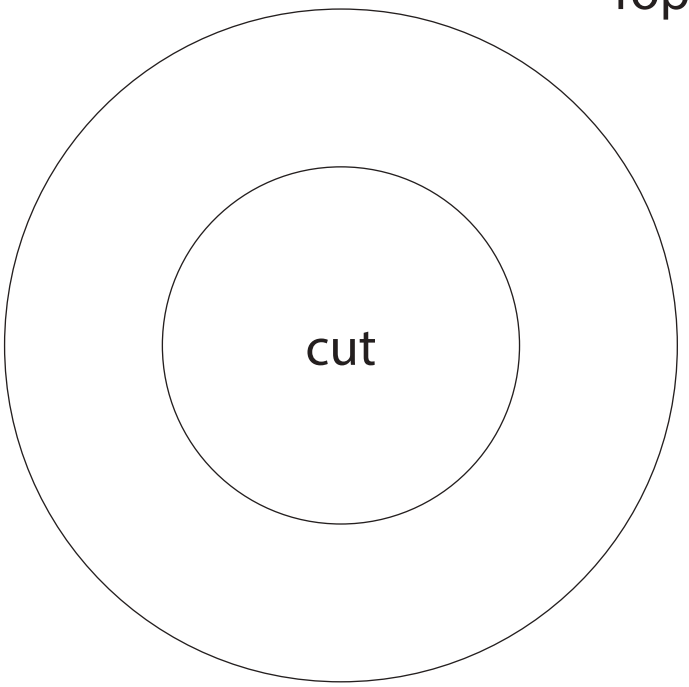
1 inch

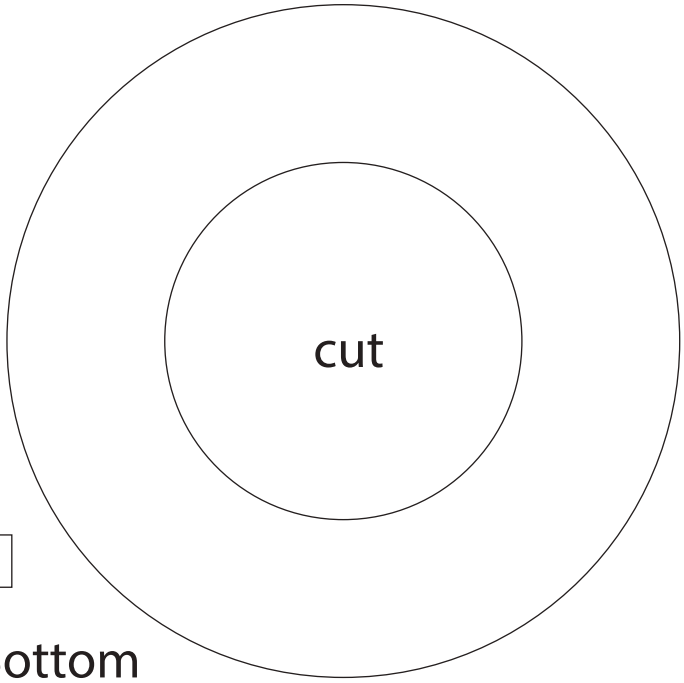
1:100 Scale

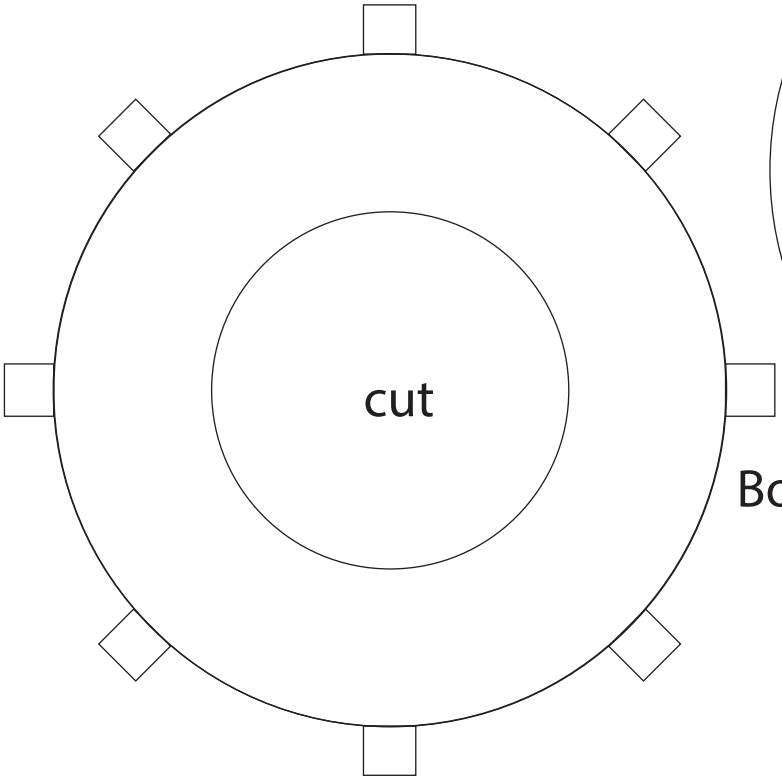
Formers bottom section

Top









Bottom

IMPORTANT

Top former is glued 20 mm from top edge of bottom section.

Bottom former is replaced by engine floor former.

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Booster v3

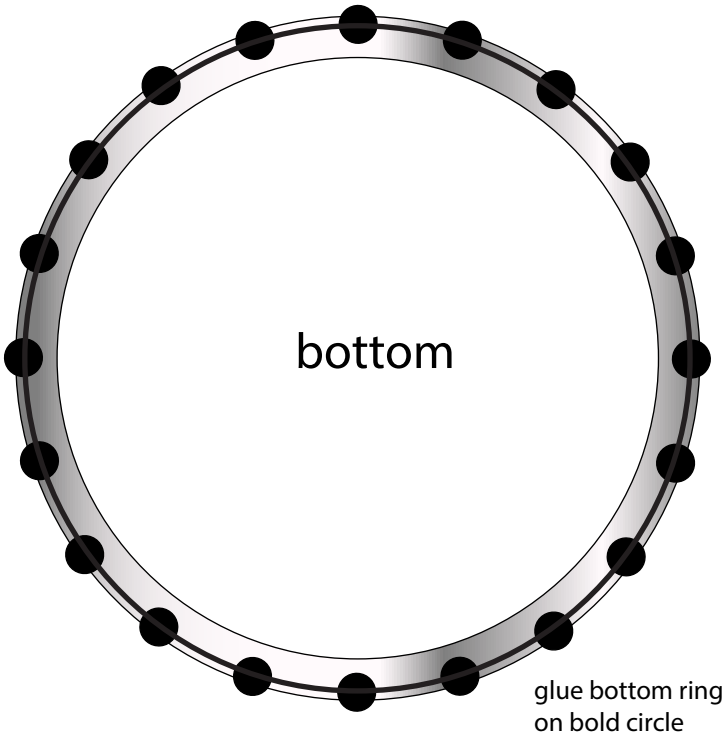
Print on Cardstock (110 lbs)

1 cm

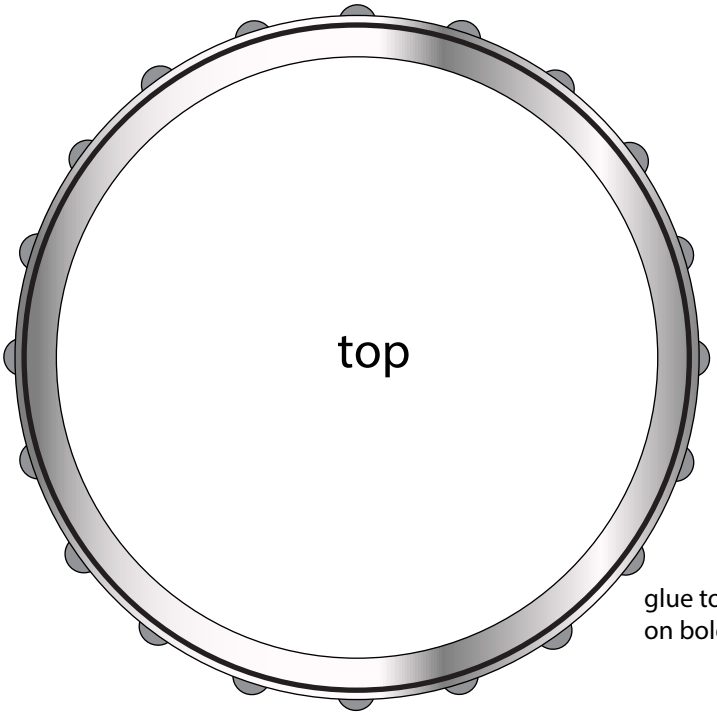
1 inch

1:100 Scale

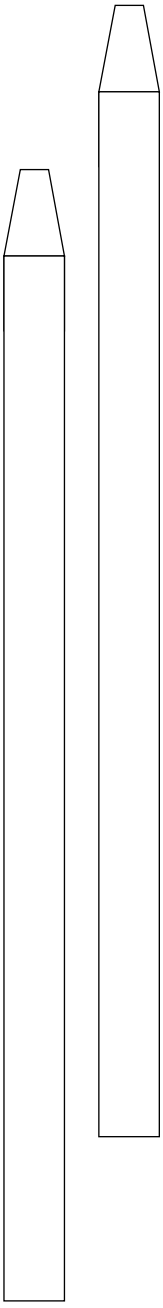
Use with Simple Engine section version



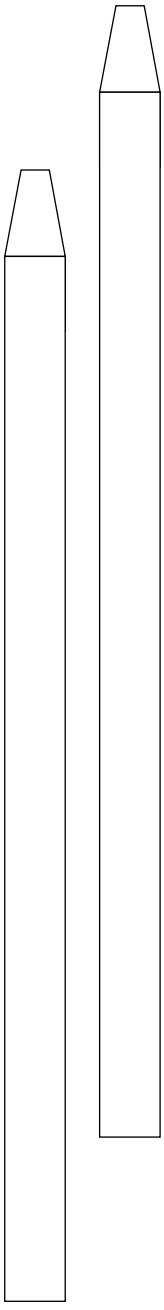
glue bottom ring on bold circle



glue top ring on bold circle



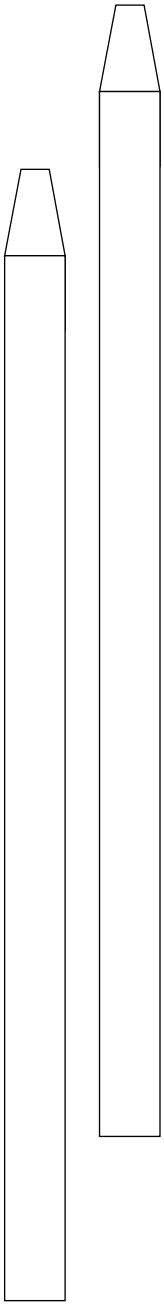
bottom



top

Use with engine floor from InkFinger file

top



glue top ring on bold circle on InkFinger's engine floor top

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1:100 Scale

1 cm

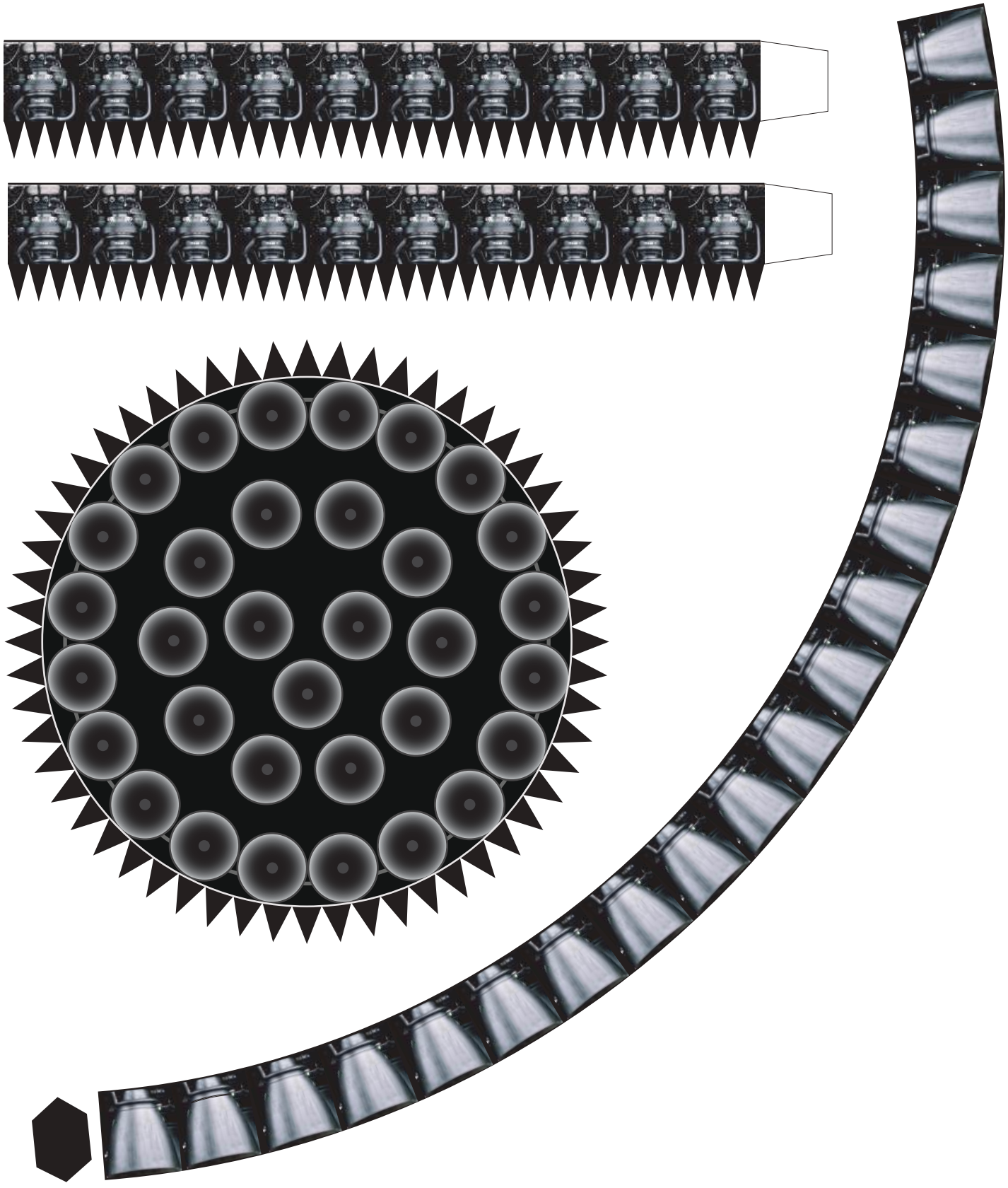
1 inch

Booster v3

Raptor engine block

Print on Cardstock (110 lbs)

Simple version



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1:100 Scale

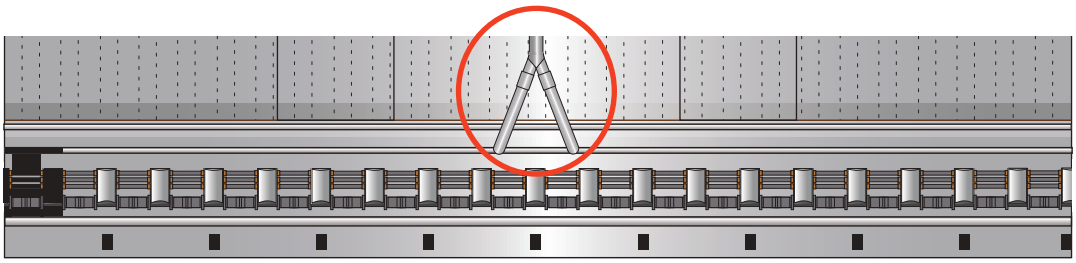
1 cm

1 inch

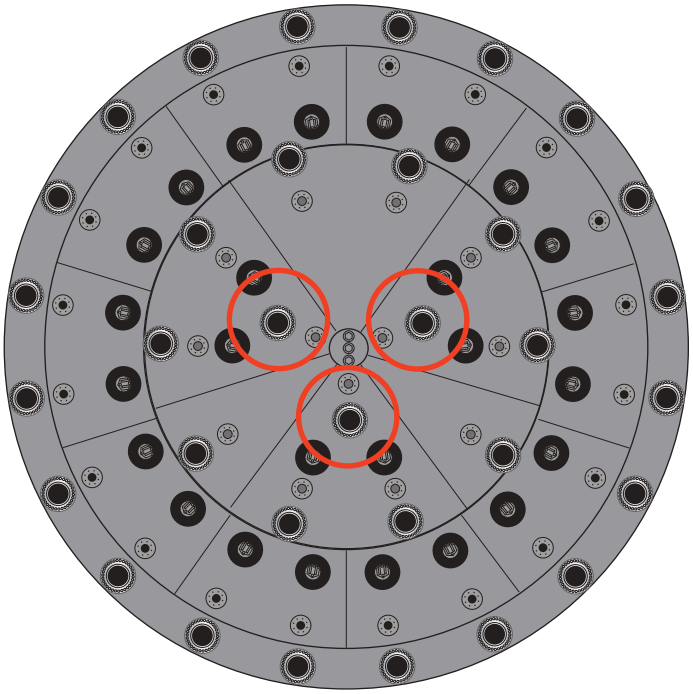
Booster 18

Print on Cardstock (110 lbs)

Engine floor Alignment







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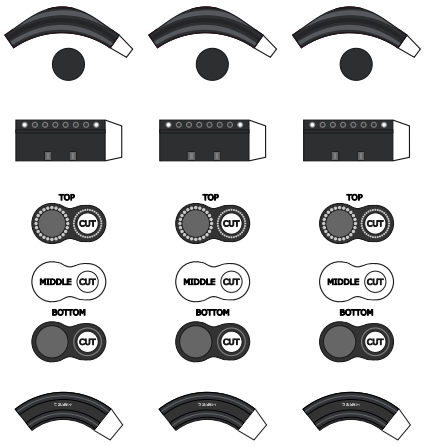
SPACEX B19 Raptor 3

1 inch
1 cm

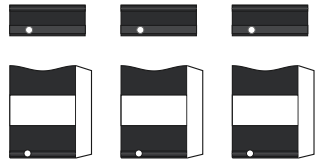
InkFinger CardModels
1:100 Scale

AXM Paper Space Scale Modeling

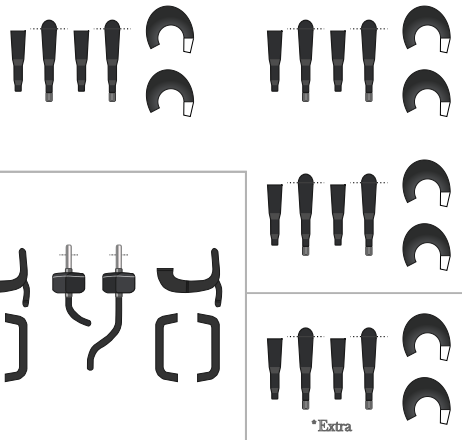
LOX Side & Hot Gas Manifold



Ch4 Side

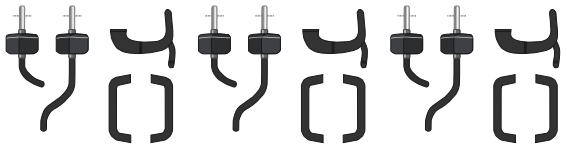


Gimble Supports

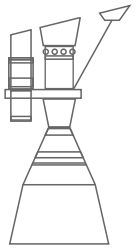


*Extra

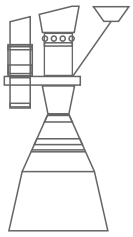
Engine Plumbing



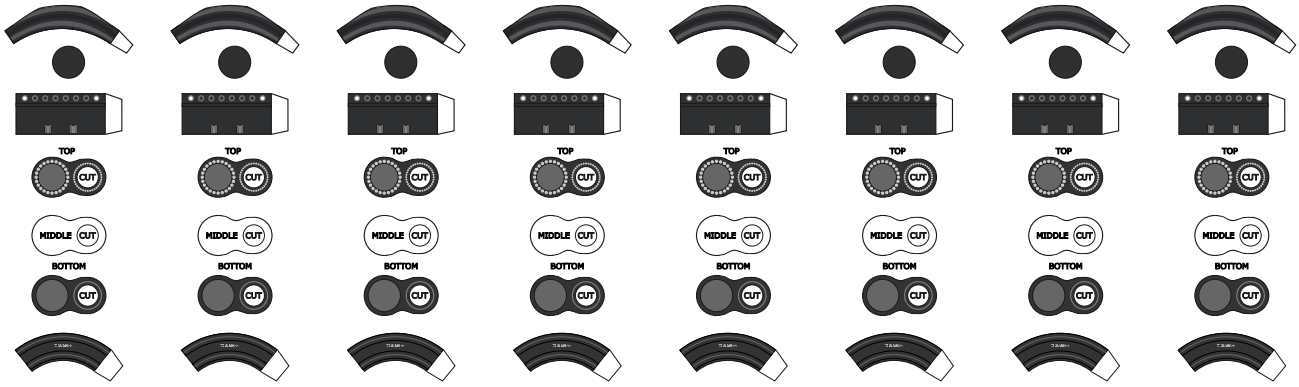
Center 3 Engines
E1-E3



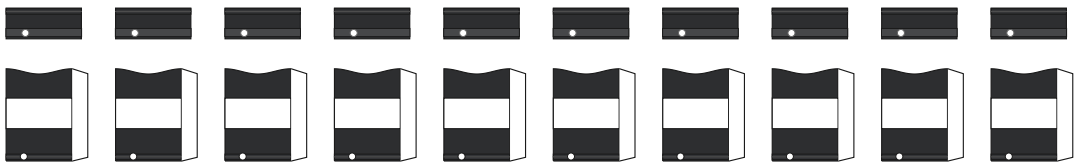
Middle Ring
10 Engines
E4-E13

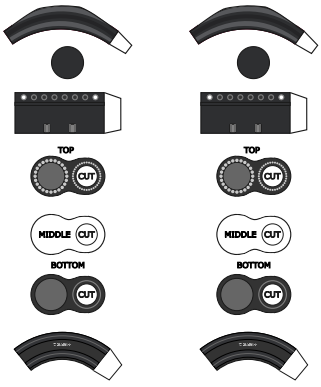


LOX Side & Hot Gas Manifold

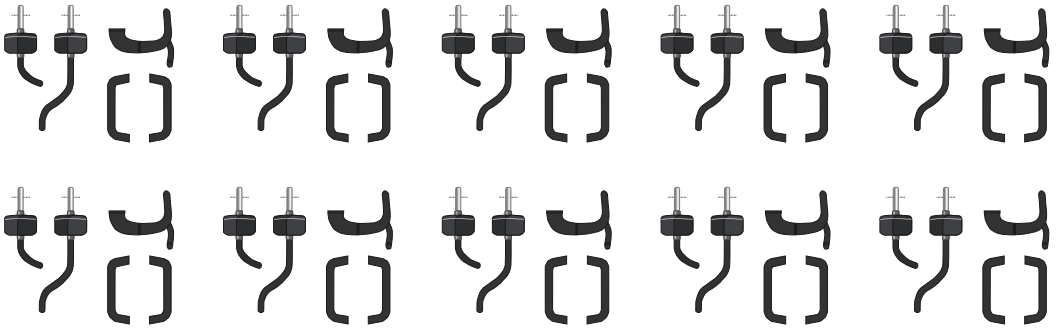


Ch4 Side

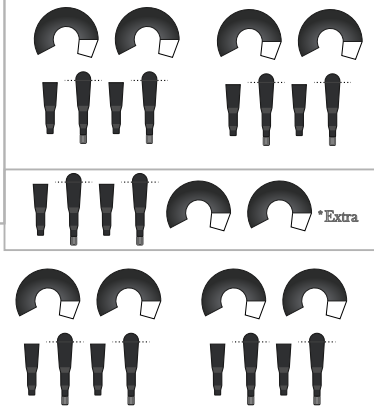




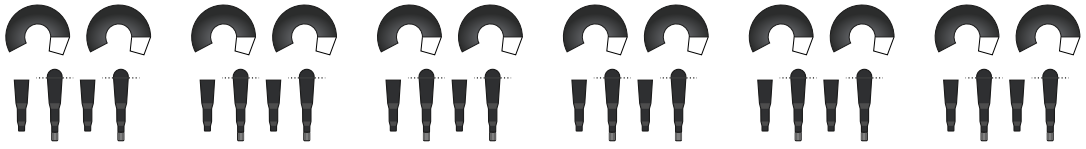
Engine Plumbing



Gimble Supports



*Extra



Raptor 3 design by: Micheal Tesch X@micheal_tesch

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*Print this page on the back of the previos page.

[redacted]

REDACTED

[redacted]

REDACTED

[redacted]

SPACEX B19 Raptor 3

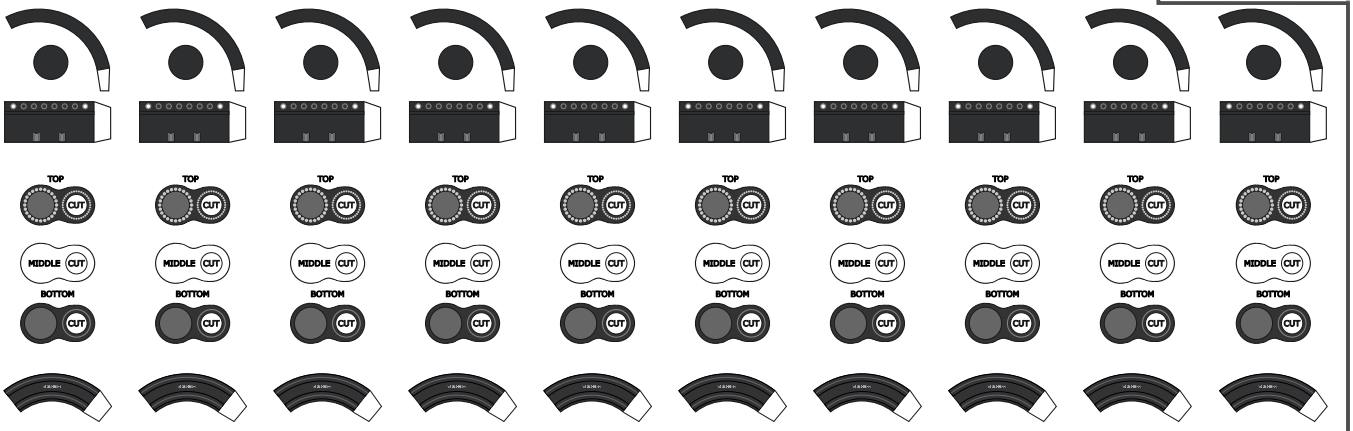
1 inch
1 cm

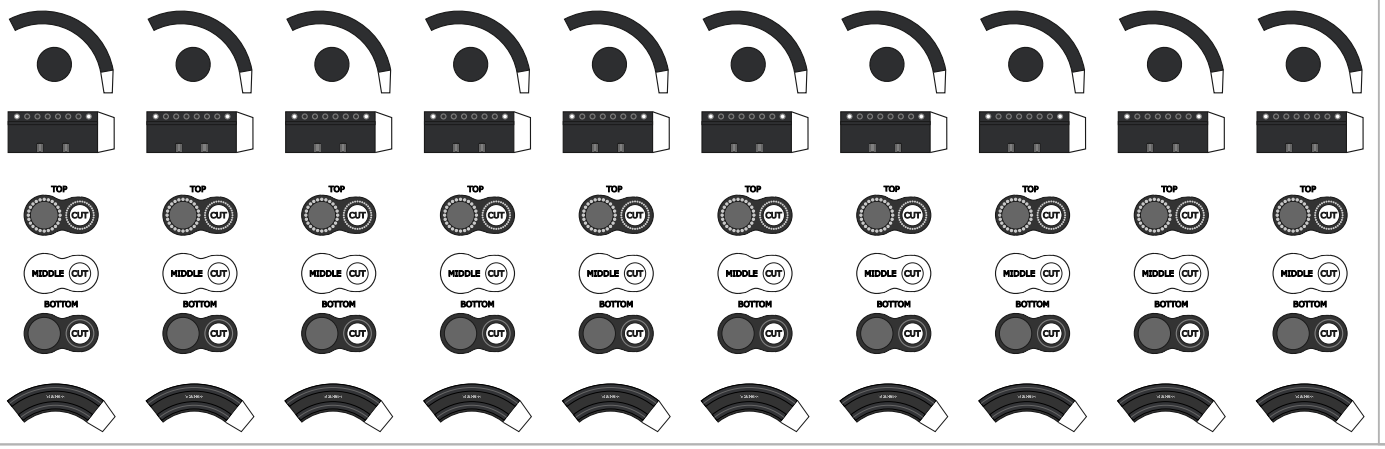
InkFinger CardModels
1:100 Scale

Outer Ring
20 Engines
E14-E33

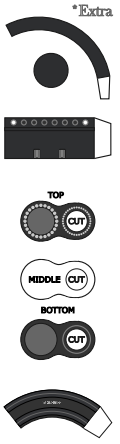


LOX Side & Hot Gas Manifold

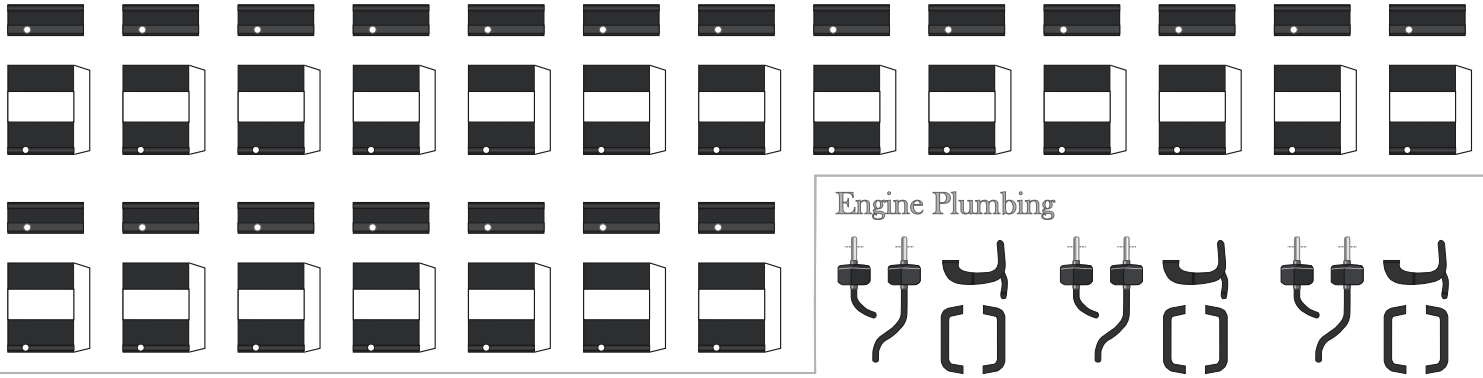




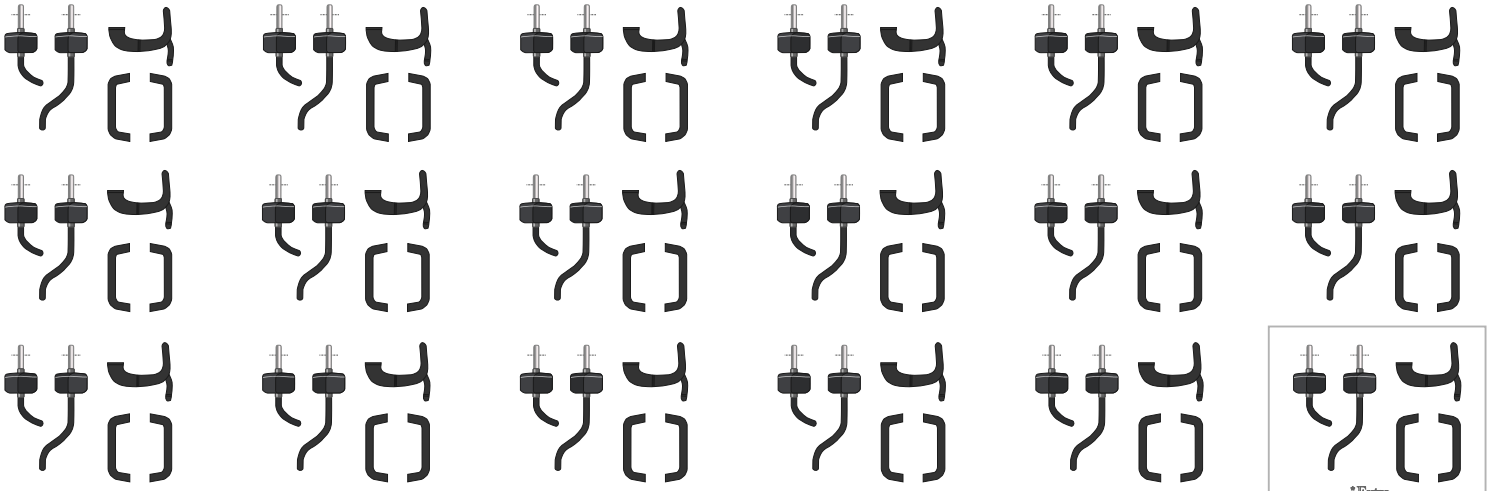
*Extra



Ch4 Side



Engine Plumbing



*Extra

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*Print this page on the back of the previos page.





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InkFinger CardModels

1:100 Scale

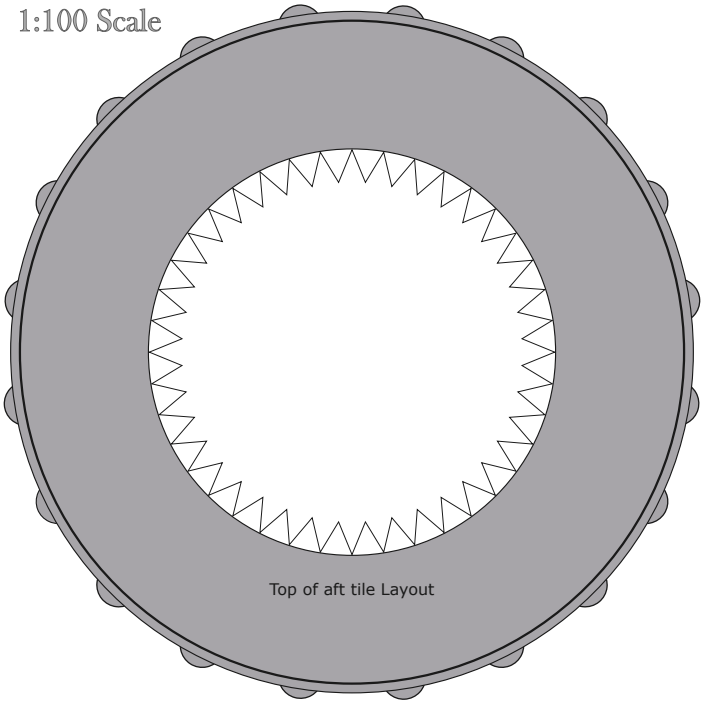
SPACEX B19 Raptor 3

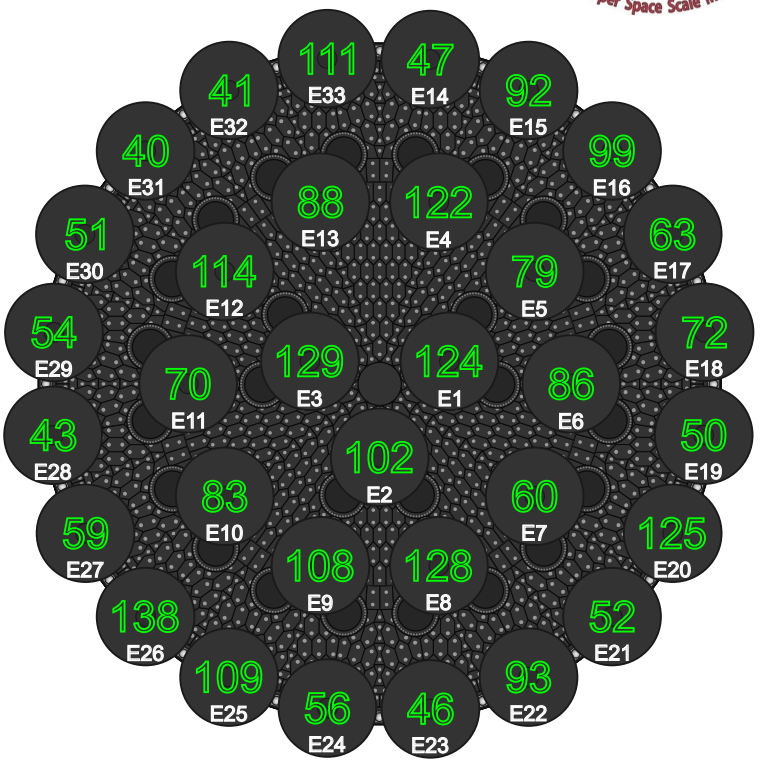
1 inch

1 cm

AXM Paper Space Scale Modeling

Engine Layout

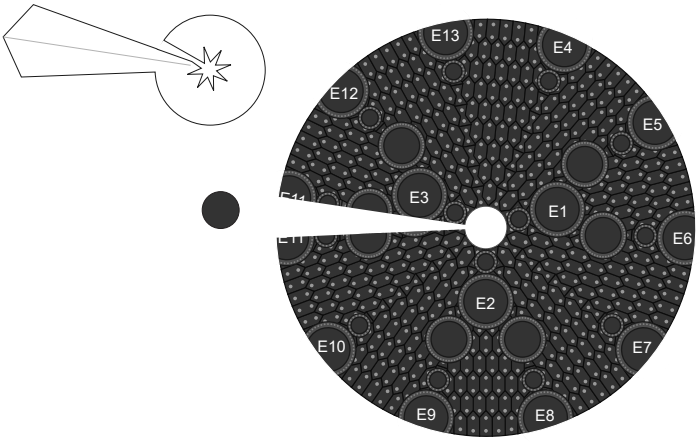


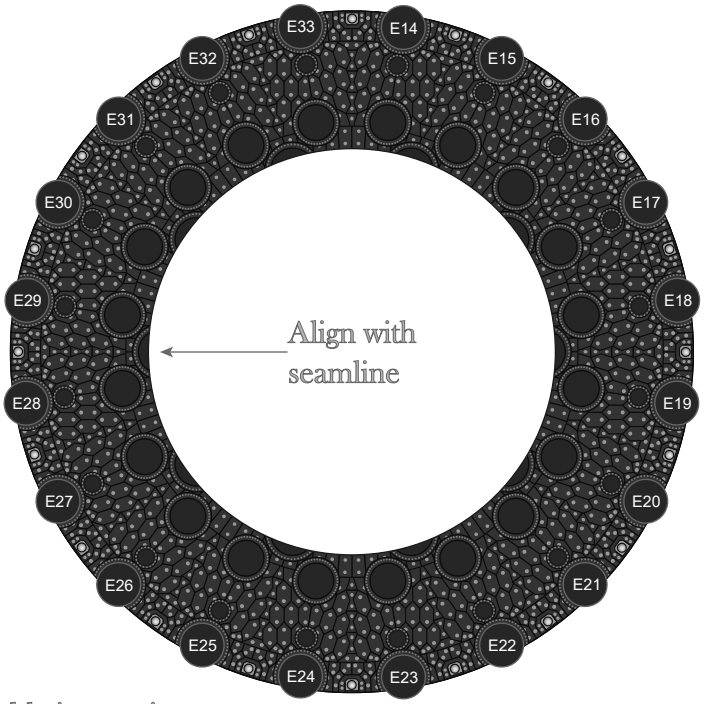


Engine diagram & tile layout based on Chameleon Circuit's render.

X@ChameleonCir

Extra special Thank You! to Chameleon Circuit, TheSpaceEngineer & the Ringwatchers crew for archive photos, RSN tracking, & overall intellect on Starship & rockets in general. Thank you guys!





*Please refer to the Raptor 3 Assembly Manual for assembly instructions.

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