Read the article

A selection of custom 3D models

📦 Model #2751

2 object(s) - format **STL**

Enclosure with screw-mounted lid STL file: 200×100×100 mm (with ventilation under the enclosure)

View of object #0

Parameter	Value	Unit
length	200	mm
width	100	mm
total height	100	mm
lid height	20	mm
wall thickness	4	mm
screw margin	0	mm
fit clearance	0.1	mm

Download this enclosure model with lid in STL format. The dimensions are 200 mm long by 100 mm wide and 100 mm high. The cover only is 20 mm high. Wall thickness is 4 mm. This enclosure has significant cooling area under the base.

📦 Model #2280

1 object(s) - format **STL**

Pipe elbow STL 3D file 90° øOD: 60 mm øID: 28 mm thickness: 16 mm

Parameter	Value	Unit
outer diameter	60	mm
inner diameter	28	mm
angle	90	°
end fillets	no	

3D file of an elbow with a 90° angle in STL format. This pipe elbow features an external diameter of 60 mm and an internal diameter of 28 mm. The tube thickness is therefore 16 mm.

📦 Model #852

1 object(s) - format **STL**

U-shaped handle STL 3D file 35×140×10 mm (Center-to-center 130 mm)

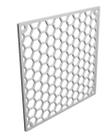
Parameter	Value	Unit
width	35	mm
length	140	mm
thickness	10	mm
shape (0:square,1:circle)	0	
transition (0:right,1:rounded)	0	
fillet radius	0	mm
hole diameter	6	mm

Download this STL 3D model of a simple U-shaped handle. The external dimensions are 35×140×10 mm. The handle has a **square** section and a straight transition. The holes are 6 mm diameter and have a **130 mm center-to-center distance**.

📦 Model #3491

1 object(s) - format **STL**

Protective grid STL file, center-to-center: 107x107mm, mesh: 10mm - Ø5mm



Parameter	Value	Unit
length or center-to-center	107	mm
width or center-to-center	107	mm
mesh size	10	mm
dual color	no	
holes	yes	
hole diameter	5	mm

3D square protective honeycomb grid model as a STL file. Mounting holes are placed at the four corners (center-to-center 107x107 mm), each with a diameter of Ø5 mm. The overall dimensions reach 117x117 mm, with very large 10 mm cell size for maximum airflow. This grid serves as both a protective guard and a ventilation panel.

📦 Model #4475

1 object(s) - format **STL**

Tube adapter STL 3D file ⌀ 40–37 mm (Length: 118 mm)

Parameter	Value	Unit
side A length	38	mm
side A outer diameter	40	mm

Straight tube fitting ⌀40 mm to ⌀37 mm in STL format. Total length of this connector is 118 mm. The thickness of the tubes is identical: 5 mm. The larger-diameter tube has a

📦 Model #1221

2 object(s) - format **STL**

Enclosure with screw-mounted lid STL 3D file: 200×50×300 mm (with ventilation on the lid and under the enclosure)

View of object #0

Parameter	Value	Unit
length	200	mm
width	50	mm

Enclosure model with lid in STL format. The dimensions are 200 mm long by 50 mm wide and 300 mm high. The lid only is 60 mm high. Side thickness is 6 mm. This enclosure features significant

inner drawer width	70	mm
inner drawer height	70	mm
wall thickness	2	mm
removable divider	none	

wide, 70 mm high, and 90 mm deep. The wall thickness is 2 mm. The external dimensions of the structure are 231.5 x 151 x 96 mm. All the objects in this model were designed to be printable without support.

dual color	no	
holes	no	

ventilation panel.

📦 Model #3502

1 object(s) - format **STL**

Protective grid STL 3D file, 60x60mm, mesh: 8mm

Parameter	Value	Unit
length or center-to-center	60	mm
width or center-to-center	60	mm
mesh size	8	mm
dual color	no	
holes	no	

Download this 3D square honeycomb grid model in STL format. The overall size is 60x60 mm, with wide 8 mm cell size for optimal air circulation. This type of grid serves both protection and ventilation roles.

📦 Model #4497

1 object(s) - format **STL**

Tubing adapter STL 3D file ⌀ 32–19 mm (Length: 65 mm)

Parameter	Value	Unit
side A length	35	mm
side A outer diameter	32	mm
side A thickness	2	mm
side B length	20	mm
side B outer diameter	19	mm
side B thickness	2	mm
transition length	10	mm
axis offset	0	mm
ends fillet	no fillet	

Tube fitting ⌀32 mm to ⌀19 mm in STL 3D format. Length of this junction is 65 mm. The thickness of the tubes is identical: 2 mm. The larger-diameter tube has a sleeve length of 35 mm, the smaller one of 20 mm. The ends are not rounded.

Parameter	Value	Unit
male diameter	125	mm
slat angle	30	°
slat thickness	1.6	mm
flange width	5	mm
central reinforcement	no	

3D file of a **round air vent for ventilation** in STL format. Its male diameter is 125 mm. The slats have a slight angle of 30° and a low thickness of 1.6 mm. This 3D vent cover features a thin flange of 5 mm. The overall diameter of this model is 135 mm.

📦 Model #4144

1 object(s) - format **STL**

🔗 Honeycomb grille STL 3D file, 195x80mm, mesh: 4mm

Parameter	Value	Unit
length or center-to-center	195	mm
width or center-to-center	80	mm
mesh size	4	mm
dual color	no	
holes	no	

Download this 3D rectangular protective grid file in STL format. The overall size is 195x80 mm, with medium 4 mm cell size for versatile use. This grid provides both mechanical protection and airflow.

male diameter	91.9	mm
slat angle	20	°
slat thickness	1.4	mm
flange width	5	mm
central reinforcement	yes	

ventilation in STL format. Its insertion diameter measures 91.9 mm. The slats have a slight angle of 20° and a low thickness of 1.4 mm. A vertical reinforcement secures the slats. This vent cover has a thin flange of 5 mm. The full diameter of the model is 101.9 mm.

📦 Model #1230

1 object(s) - format **STL**

🔗 Tube adapter STL file ⌀ 64–49 mm (Length: 65 mm)

flange width	18	mm
central reinforcement	yes	

the whole structure. This aeration grille features a prominent flange of 18 mm. The total diameter of the model is 126 mm.

inner drawer depth	30	mm
inner drawer width	20	mm
inner drawer height	20	mm
wall thickness	2	mm
removable divider	none	

of 5 drawers. Each drawer provides an inside space of 20 mm wide, 20 mm high, and 30 mm deep. The wall thickness is 2 mm. The external dimensions of the structure measure 134.5 x 75.5 x 36 mm. All the objects in this model were designed to be printed without support.

📦 Model #823

1 object(s) - format **STL**

U-shaped handle STL 3D file 35×100×14 mm (Center-to-center 86 mm)

Parameter	Value	Unit
width	35	mm
length	100	mm
thickness	14	mm
shape (0:square,1:circle)	0	
transition (0:right,1:rounded)	1	
fillet radius	1	mm
hole diameter	4	mm

Download this STL model of a basic **U-shaped** handle. The overall dimensions are 35×100×14 mm. The handle has a **square** section and a softened transition. A fillet along the edges ensures a more comfortable grip. The openings are 4 mm diameter and have a **86 mm center-to-center distance**.

📦 Model #4247

2 object(s) - format **STL**

Enclosure with screw-mounted lid STL file: 140×140×145 mm

View of object #0

Parameter	Value	Unit
length	140	mm
width	140	mm
total height	145	mm
lid height	20	mm
wall thickness	2	mm
screw margin	0	mm
fit clearance	0.1	mm
cooling zone(s)	no cutouts	

Download this enclosure with screwed lid in STL format. The dimensions are 140 mm long by 140 mm wide and 145 mm high. The lid measures 20 mm high. Side thickness is 2 mm. The enclosure does not feature cooling.

ready to download

generation: the process

FAQ

Most Downloaded 3D Models

100 newest 3D models