



Material Passport - Assembly

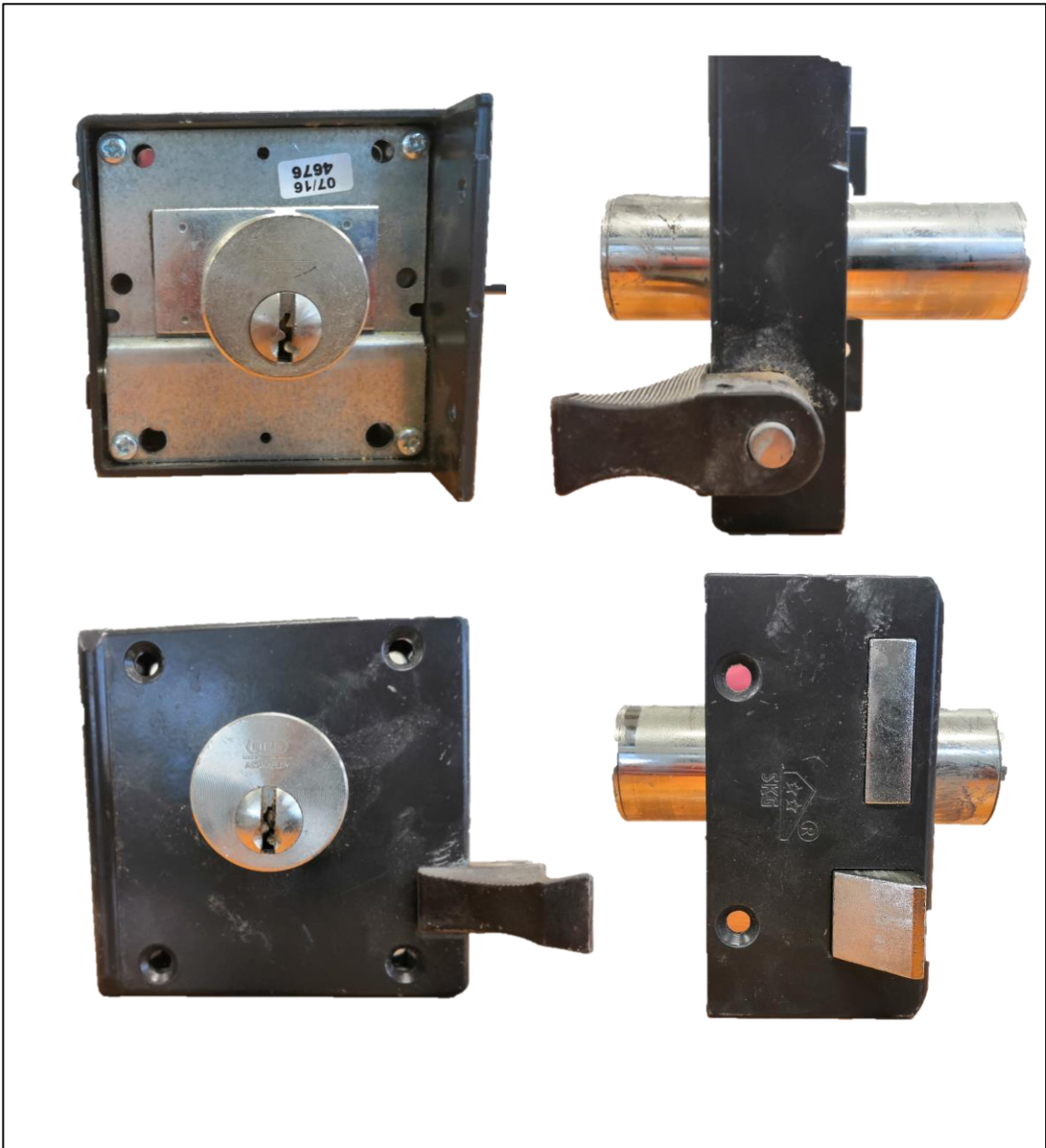
Assembly: **Door Lock**

Total weight: **1190,0** gram

Amount of unique parts:

Amount of total parts:

Drawing of exploded view:



No	Name part	Raw material (s)	Mass (gram)	Qty	Total mass (gram)	Remarks
1	Lock Cilinder	Steel	143,0	1		
2	Plate	Steel	148,0	1		
3	Bolt	Aluminium alloy	96,0	1		
4	Spring	Unknown	2,0	1		
5	Lock remove	Aluminium	13,0	1		
6	Cilinder	Steel	48,0	1,5		

Who were involved in the production of these parts?

unknown

Who were involved in the production of the assembly?

unknown

Any particularities?



Material Passport - Part

Part: Lock Cilinder

From assembly: Door Lock

Mass: 143.0

Material(s):

Value (emotional): Gives a feeling of safety.

Draw part (or cross-section):



How is the part processed at the end of its lifetime? What are the costs?

Material properties

How does it feel? Heavy for its size.

How does it smell? It has no particular smell.

What is the finishing? (paint, coating) A coating for shine and smooth operation

What is the (emotional) value? A very high safety value

Any specifications on the material? (code, location)

Lipo, Assa, Abloy

Where did the raw material come from?

What are the characteristics? (water/heat/UV/salt resistance) The metal in de lock is heat conductive and is operable in all kinds op circumstances.

Is there a risk in reusing/working with the material? ☐ Yes ☒ No
If yes, what is the risk?

Material uniqueness

What are the unique technical/experimental qualities to be emphasized in the final application? It can lock different thing in place

In what context would the material make the most positive difference? When it can be used to close off or open up doors, cabinets, sheds, etc.
How would the material then be sensed and interpreted by the users?
As old stuff, so maybe we need to upcreate this.

Are there any more particularities?



Material Passport - Part

Part: Plate

From assembly: Door Lock

Mass:148.0 gram

Material(s): probably stainless steel

Value (emotional): It has a lot of mounting options and is not entirely straight.

Draw part (or cross-section):



How is the part processed at the end of its lifetime? What are the costs?

Material properties

How does it feel? It feels heavy and sturdy.

How does it smell? Oily, metallic

What is the finishing? (paint, coating) It looks polished.

What is the (emotional) value? It keeps the housing of a lock together

Any specifications on the material? (code, location) On the backside there is a sticker with the code: 07/16 (date?) 4676

Where did the raw material come from?

What are the characteristics? (water/heat/UV/salt resistance) Metal has a high electric and heat conductivity.

Is there a risk in reusing/working with the material? ☐ Yes ☒ No
If yes, what is the risk?

Material uniqueness

What are the unique technical/experimental qualities to be emphasized in the final application? How strong is the material? Is it meltable for reuse? Can it be used to hang simple home applications?

In what context would the material make the most positive difference? By reusing it as it is, that we don't have to put more energy in this part.

How would the material then be sensed and interpreted by the users? Probably as a mounting bracket of some sorts.

Are there any more particularities? It is not flat, but slightly curved. The center is reinforced.



Material Passport - Part

Part: Bolt

From assembly: Door Lock

Mass: 96 grams

Material(s): Aluminium Alloy

Value (emotional):

Draw part (or cross-section):



How is the part processed at the end of its lifetime? What are the costs?

Material properties

How does it feel? Lightweight

How does it smell? Metal and oil.

What is the finishing? (paint, coating) It looks polished.

What is the (emotional) value?

Any specifications on the material? (code, location)

Where did the raw material come from?

What are the characteristics? (water/heat/UV/salt resistance) It has de properties of metal. Highly conductive of electricity and heat.

Is there a risk in reusing/working with the material?

☐

Yes



No

If yes, what is the risk?

Material uniqueness

What are the unique technical/experimental qualities to be emphasized in the final application?

In what context would the material make the most positive difference? It's odd shape could provide a form of aesthetic feeling.

How would the material then be sensed and interpreted by the users?

Are there any more particularities?



Material Passport - Part

Part: Spring

From assembly: Door Lock

Mass: 2.0 gram

Material(s): some sort of metal

Value (emotional):

Draw part (or cross-section):



How is the part processed at the end of its lifetime? What are the costs?

Material properties

How does it feel? Lightweight and smooth.

How does it smell? It has no scent.

What is the finishing? (paint, coating) .

What is the (emotional) value?

Any specifications on the material? (code, location)

Where did the raw material come from?

What are the characteristics? (water/heat/UV/salt resistance)

Is there a risk in reusing/working with the material? ☒ Yes ☐ No

If yes, what is the risk? If we cut the material, it could lose its tension and thus not function as a spring anymore.

Material uniqueness

What are the unique technical/experimental qualities to be emphasized in the final application? It can be used as a spring and can be used as a

In what context would the material make the most positive difference? To keep using it as a spring in a mechanism.

How would the material then be sensed and interpreted by the users? A rolled up piece of metal.

Are there any more particularities?



Material Passport - Part

Part: Lock Remove

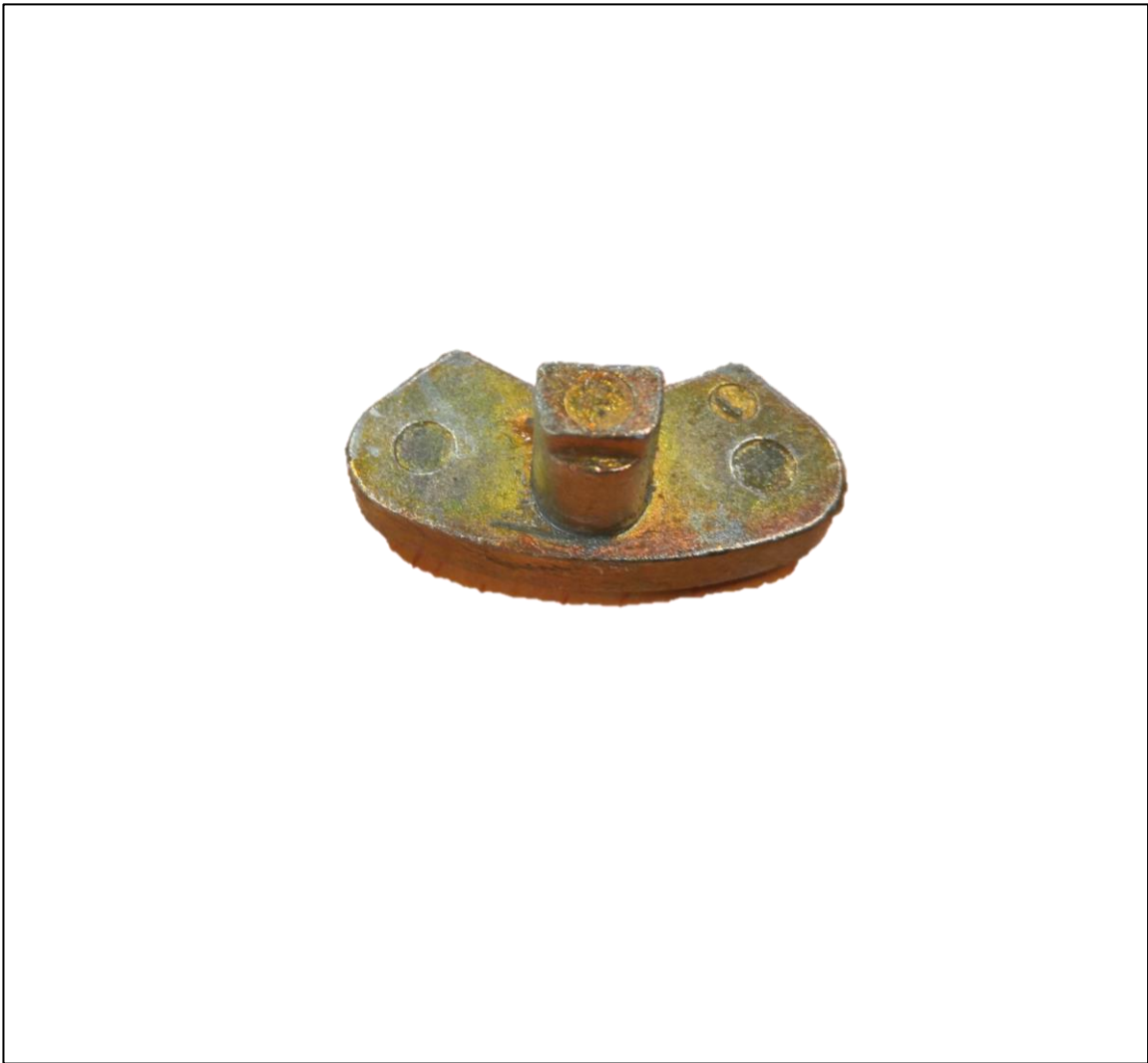
From assembly: Door Lock

Mass: 1.3 gram

Material(s): Aluminium

Value (emotional): It is an essential part of the locking mechanism.

Draw part (or cross-section):



How is the part processed at the end of its lifetime? What are the costs?

Material properties

How does it feel? It is small in size with a smooth finish

How does it smell? Metallic

What is the finishing? (paint, coating) .

What is the (emotional) value? It is an essential part of the locking mechanism.

Any specifications on the material? (code, location)

Where did the raw material come from?

What are the characteristics? (water/heat/UV/salt resistance) Wool has a low thermal conductivity, therefore, woolen fabrics are characterized by high heat-shielding properties

Is there a risk in reusing/working with the material? ☐ Yes ☒ No

If yes, what is the risk?

Material uniqueness

What are the unique technical/experimental qualities to be emphasized in the final application?

In what context would the material make the most positive difference?

Probable as is in its original lock. Or is should be melted down if it's aluminium, because the process of aluminium takes a lot of energy.

How would the material then be sensed and interpreted by the users?

Are there any more particularities?



Material Passport - Part

Part: Cylinder

From assembly: Door Lock

Mass: 48 gram

Material(s): Stainless steel that looks like it has a chrome coating

Value (emotional): It's shiny and appealing to the sight

Draw part (or cross-section):



How is the part processed at the end of its lifetime? What are the costs?

Material properties

How does it feel? Smooth

How does it smell? It smells of rusted steel.

What is the finishing? (paint, coating) Chrome coated.

What is the (emotional) value? It is shiny and appealing to sight.

Any specifications on the material? (code, location)

Where did the raw material come from?

What are the characteristics? (water/heat/UV/salt resistance) Heat resistant and coated for visual aesthetics.

Is there a risk in reusing/working with the material? ☐ Yes ☒ No
If yes, what is the risk?

Material uniqueness

What are the unique technical/experimental qualities to be emphasized in the final application?

In what context would the material make the most positive difference? It could be repurposed as a household item (napkin holder).

How would the material then be sensed and interpreted by the users? Simple cylinder open to interpretation.

Are there any more particularities?