

**HEMA**



**eigen-wijzer**





4

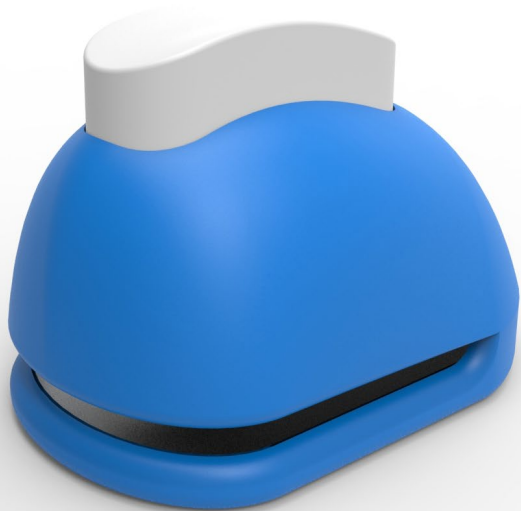


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6





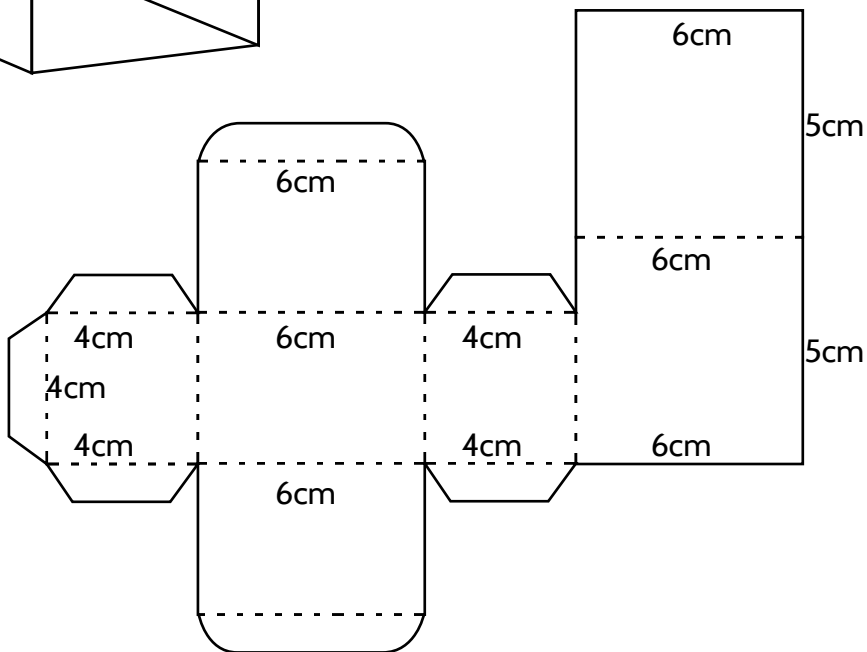
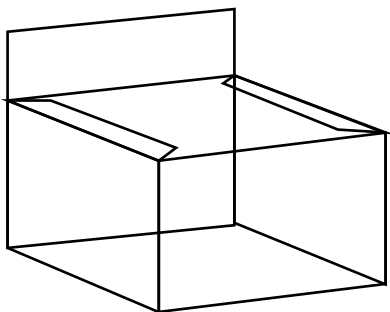


HEMA

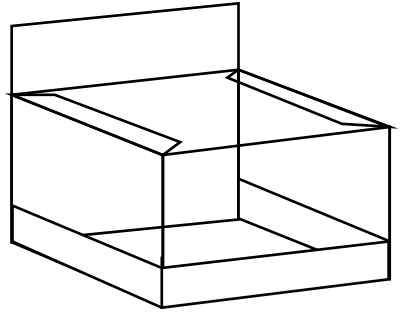
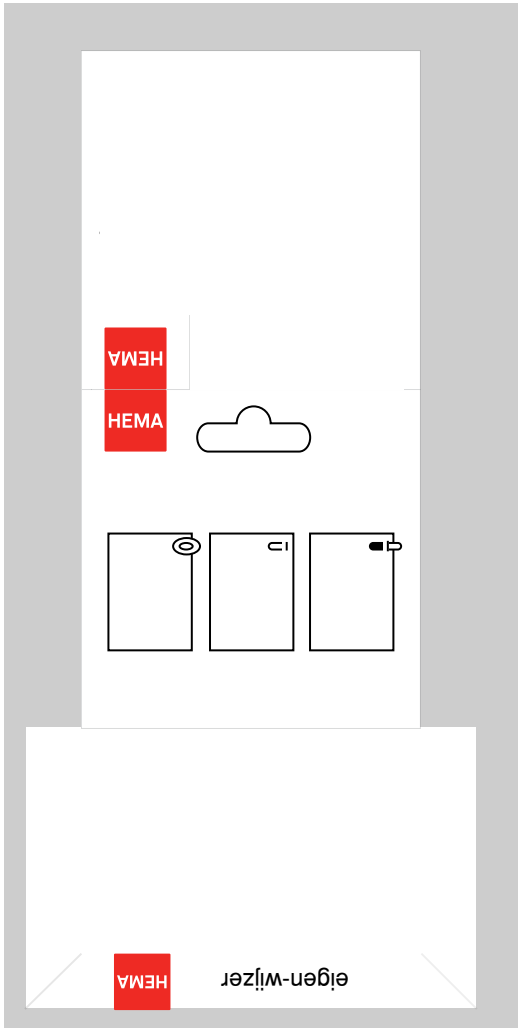


eigen-wijzer

3.-







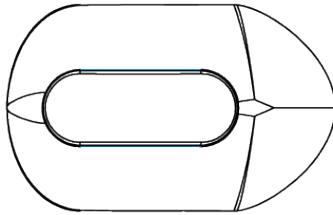
# Technische specificaties

De eigen-wijzer bestaat uit 6 onderdelen waarvan 3 plastic en 3 metaal. De individuele kosten per onderdeel worden berekend waarna een totaal berekening kan worden gemaakt. De kosten, productiemethode en materiaal worden per onderdeel op de vervolg pagina's verder gespecificeerd.

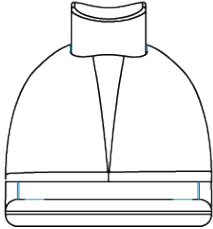
<b>Totaal Kosten</b>	<i>pps oplage</i>	<i>pps oplage</i>	<i>pps oplage</i>	<i>Totaal</i>	<i>Totaal</i>	<i>Totaal</i>
	<i>100.000</i>	<i>250.000</i>	<i>500.000</i>	<i>100.000</i>	<i>250.000</i>	<i>500.000</i>
Knop	€ 0,05	€ 0,03	€ 0,02	€ 5.400,00	€ 7.000,00	€ 7.500,00
Plastic bovenkant	€ 0,11	€ 0,05	€ 0,03	€ 10.500,00	€ 12.500,00	€ 14.000,00
Plastic onderkant	€ 0,08	€ 0,04	€ 0,02	€ 8.300,00	€ 9.750,00	€ 10.500,00
Metalen onderkant	€ 0,54	€ 0,35	€ 0,26	€ 53.800,00	€ 88.250,00	€ 129.000,00
Metalen bovenkant	€ 0,53	€ 0,34	€ 0,26	€ 53.300,00	€ 85.500,00	€ 128.000,00
Veer	€ 0,05	€ 0,03	€ 0,02	€ 5.000,00	€ 6.250,00	€ 9.000,00
<b>Totaal</b>	<b>€ 1,36</b>	<b>€ 0,84</b>	<b>€ 0,60</b>	<b>€ 136.300,00</b>	<b>€ 209.250,00</b>	<b>€ 298.000,00</b>

## Conclusie

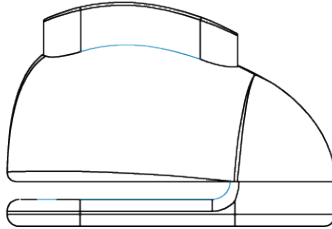
Bij een oplage van 500.000 stuks is een totaal investering nodig van ongeveer €298.000. De beoogde verkoop prijs ligt dan op €3 per stuk waardoor de materiaal en productiekosten van het product op 20% liggen. Overige kosten voor assemblage, verpakking en transport zijn niet meegenomen in de prijsberekening.



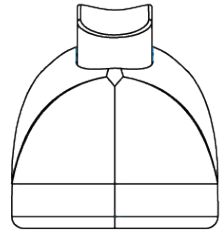
Top



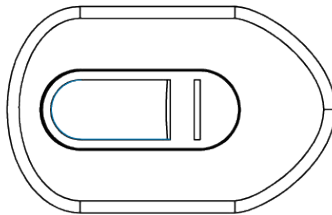
Front



Right



Back



Bottom

# **Knop | plastic onderdeel 1**

Afmetingen

LxBxH: 37x17x17,6 mm

Maximale dikte: 1mm

Materiaal

Materiaal: HDPE (High density Polyethyleen)

Kleur: Wit

Kosten materiaal: €1,18 per kg

Massa: 2,57 gram

Materiaal pps: €0,0030

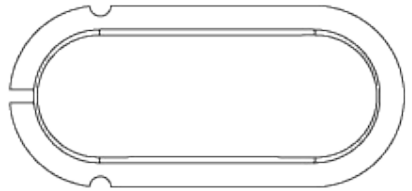
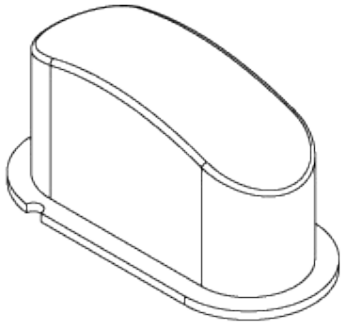
Techniek: Injection molding

**Totaal kosten per knop**

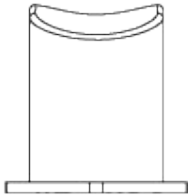
**100.000 stuks: €0,054**

**250.000 stuks: €0,028**

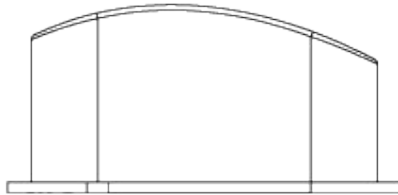
**500.000 stuks: €0,015**



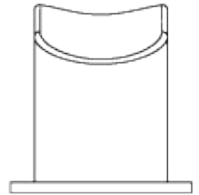
Top



Front



Right



Back

## **Bovenkant | plastic onderdeel 2**

### Afmetingen

LxBxH: 55x34,5x 22,9mm

Maximale dikte: 2mm

### Materiaal

Materiaal: HDPE (High density Polyethyleen)

Kleur: Donkerblauw

Kosten materiaal: €1,18 per kg

Massa: 5,94 gram

Materiaal pps: €0,0070

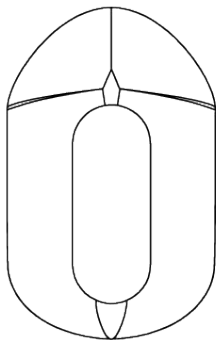
Techniek: Injection molding

### **Totaal kosten per plastic**

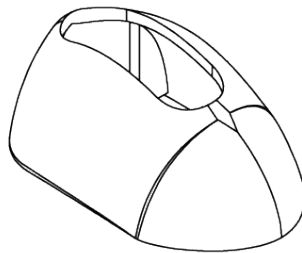
**100.000 stuks: €0,105**

**250.000 stuks: €0,050**

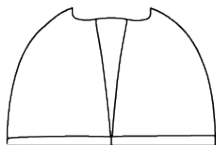
**500.000 stuks: €0,028**



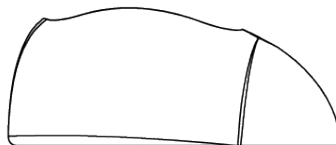
Top



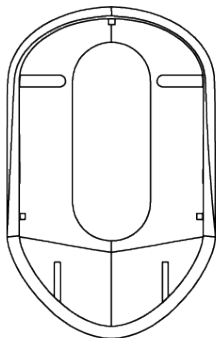
Top - Left - Back



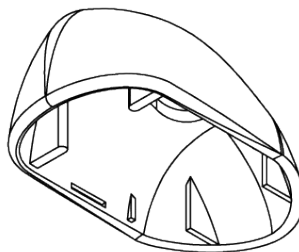
Front



Left



Bottom



Bottom-Right-Front

## **Onderkant | plastic onderdeel 3**

### Afmetingen

LxBxH: 55x34,5x 7,5mm

Maximale dikte: 2mm

### Materiaal

Materiaal: HDPE (High density Polyethyleen)

Kleur: Donkerblauw

Kosten materiaal: €1,18 per kg

Massa: 3,34 gram

Materiaal pps: €0,0039

Techniek: Injection molding

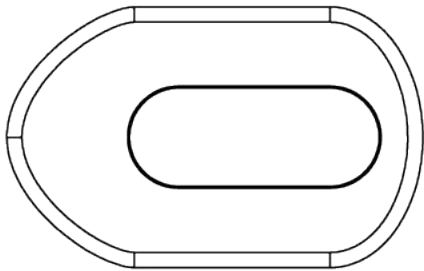
### **Totaal kosten per Plastic onderkant**

**100.000 stuks: €0,083**

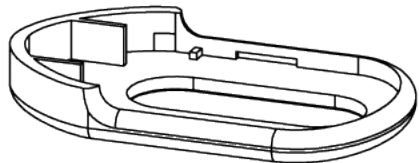
**250.000 stuks: €0,039**

**500.000 stuks: €0,021**

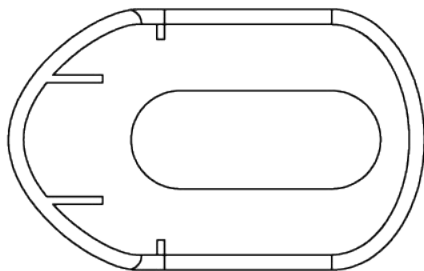




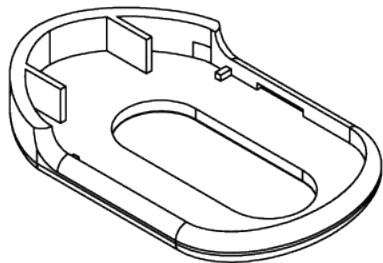
Bottom



Front-Top-Left



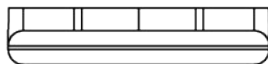
Top



Front-Top-Left



Left



Front

# **Metalen binnenkant 1 | metaal onderdeel 1**

Afmetingen

LxBxH: 40x32x 8,5mm

Maximale dikte: 5,5mm

Materiaal

Materiaal: Aluminium A360

Kosten materiaal: €3,80 per kg

Techniek: Die Casting

**Totaal kosten per Aluminium onderkant**

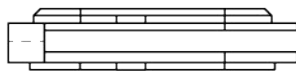
**100.000 stuks: €0,538**

**250.000 stuks: €0,353**

**500.000 stuks: €0,258**



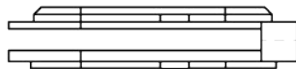
Back



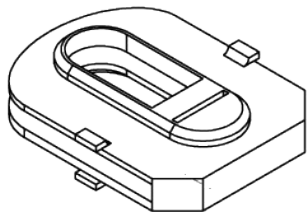
Left



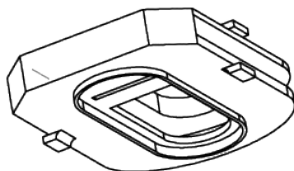
Front



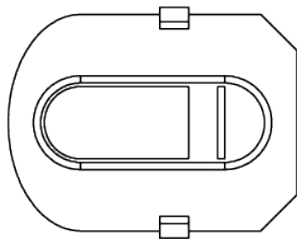
Right



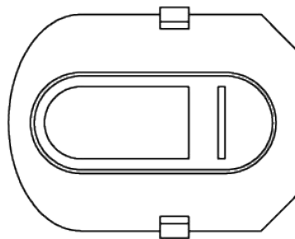
Top-Back-Left



Bottom-Back-Right



Top



Bottom

## **Metalen binnenkant 2 | metaal onderdeel 2**

Afmetingen

LxBxH: 37x17x 13mm

Maximale dikte: 9,9mm

Materiaal

Materiaal: Aluminium A360

Kosten materiaal: €3,80 per kg

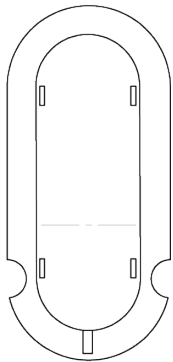
Techniek: Die Casting

**Totaal kosten per Aluminium bovenkant**

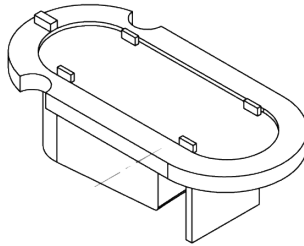
**100.000 stuks: €0,533**

**250.000 stuks: €0,342**

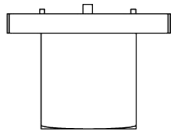
**500.000 stuks: €0,256**



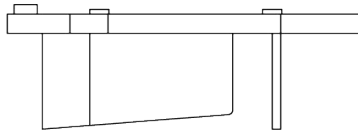
Top



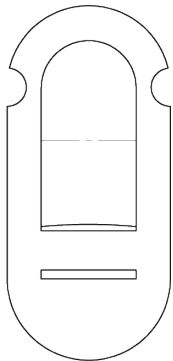
Top-Right-Back



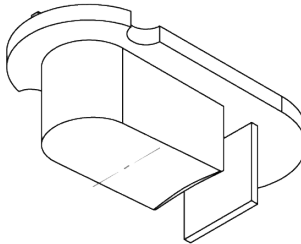
Front



Right



Bottom



Bottom-Front-Right

## **Veer | metaal onderdeel 3**

### Afmetingen

LxBxH: 33x13x 9mm

Maximale dikte: 1mm

### Materiaal

Materiaal: Low alloy steel

Kosten materiaal: €0,60 per kg

Massa: 1,5 gram

Kosten pps: €0,0009

Techniek: spring coiling met een CNC machine

### **Totaal kosten per veer**

**100.000 stuks: €0,05**

**250.000 stuks: €0,02**

**500.000 stuks: €0,01**

