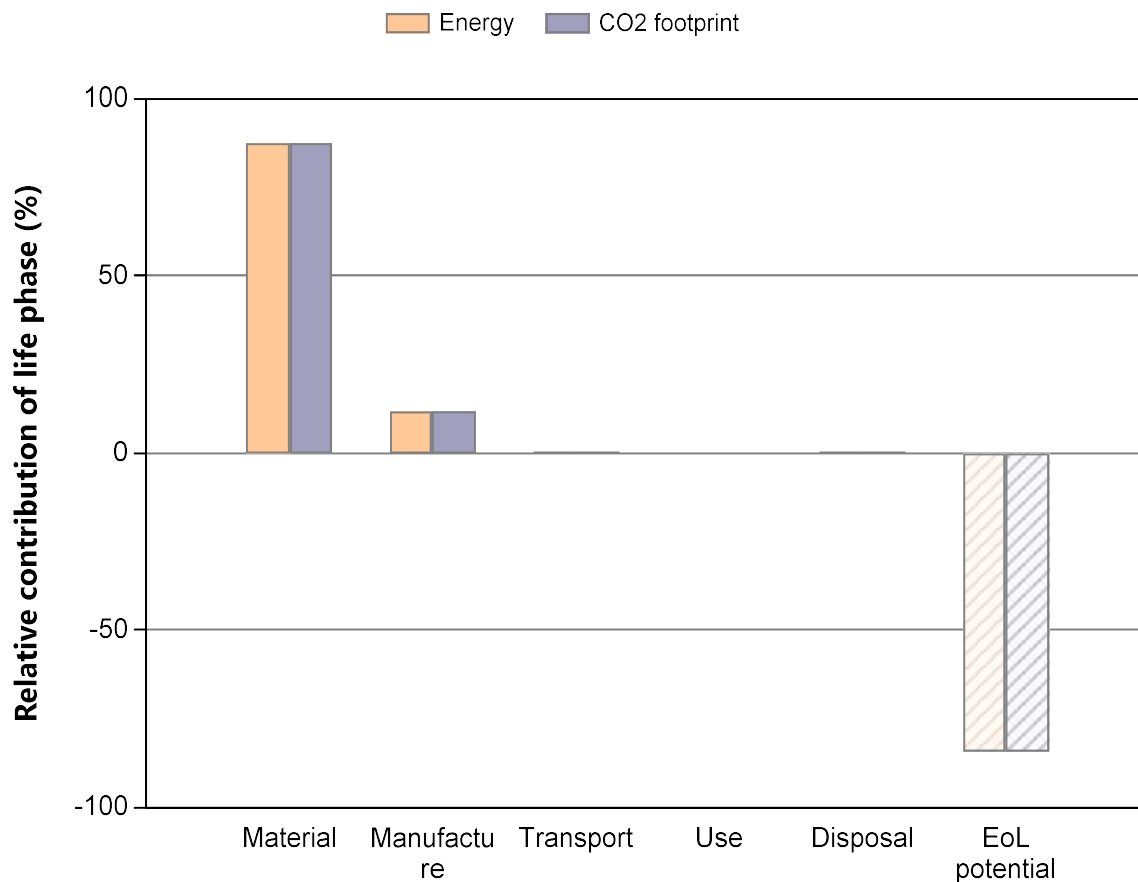


Eco Audit Report

Product name RVS shackle
Country of use World
Product life (years) 1

Summary:



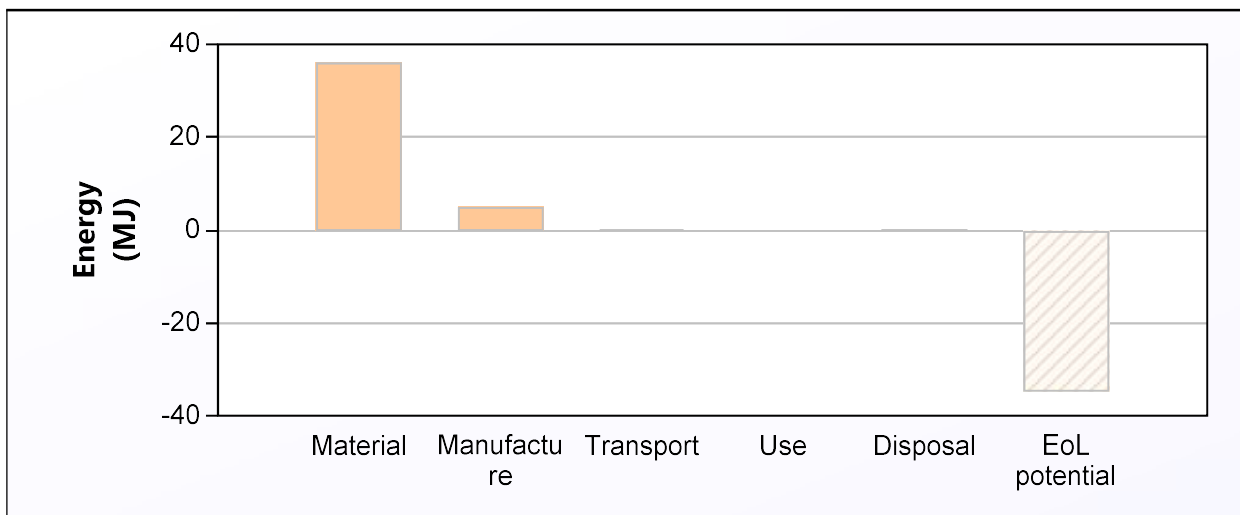
[Energy details](#)

[CO2 footprint details](#)

| Phase | Energy (MJ) | Energy (%) | CO2 footprint (kg) | CO2 footprint (%) |
|------------------------------|-------------|------------|--------------------|-------------------|
| Material | 36,3 | 87,7 | 2,72 | 87,7 |
| Manufacture | 4,96 | 12,0 | 0,372 | 12,0 |
| Transport | 0,0275 | 0,1 | 0,00198 | 0,1 |
| Use | 0 | 0,0 | 0 | 0,0 |
| Disposal | 0,1 | 0,2 | 0,007 | 0,2 |
| Total (for first life) | 41,4 | 100 | 3,1 | 100 |
| End of life potential | -34,8 | | -2,61 | |

Energy Analysis

[Summary](#)



| | Energy (MJ/year) |
|---|------------------|
| Equivalent annual environmental burden (averaged over 1 year product life): | 41,4 |

Detailed breakdown of individual life phases

Material:

[Summary](#)

| Component | Material | Recycled content* (%) | Part mass (kg) | Qty. | Total mass (kg) | Energy (MJ) | % |
|--------------------|-----------------|-----------------------|----------------|------|-----------------|-------------|-------|
| RVS shackle | Stainless steel | Virgin (0%) | 0,5 | 1 | 0,5 | 36 | 100,0 |
| Total | | | | 1 | 0,5 | 36 | 100 |

*Typical: Includes 'recycle fraction in current supply'

Manufacture:

[Summary](#)

| Component | Process | Amount processed | Energy (MJ) | % |
|--------------------|-------------------------|------------------|-------------|-------|
| RVS shackle | Extrusion, foil rolling | 0,5 kg | 5 | 100,0 |
| Total | | | 5 | 100 |

Transport:

[Summary](#)

Breakdown by transport stage

| Stage name | Transport type | Distance (km) | Energy (MJ) | % |
|-------------------------|-------------------------|---------------|-------------|-------|
| Marel dongen to Boxmeer | 26 tonne (3 axle) truck | 50 | 0,028 | 100,0 |
| Total | | 50 | 0,028 | 100 |

Breakdown by components

| Component | Mass (kg) | Energy (MJ) | % |
|-------------|-----------|-------------|-------|
| RVS shackle | 0,5 | 0,028 | 100,0 |
| Total | 0,5 | 0,028 | 100 |

Use:

[Summary](#)

Relative contribution of static and mobile modes

| Mode | Energy (MJ) | % |
|--------|-------------|-----|
| Static | 0 | |
| Mobile | 0 | |
| Total | 0 | 100 |

Disposal:

[Summary](#)

| Component | End of life option | Energy (MJ) | % |
|-------------|--------------------|-------------|-------|
| RVS shackle | Re-manufacture | 0,1 | 100,0 |
| Total | | 0,1 | 100 |

EoL potential:

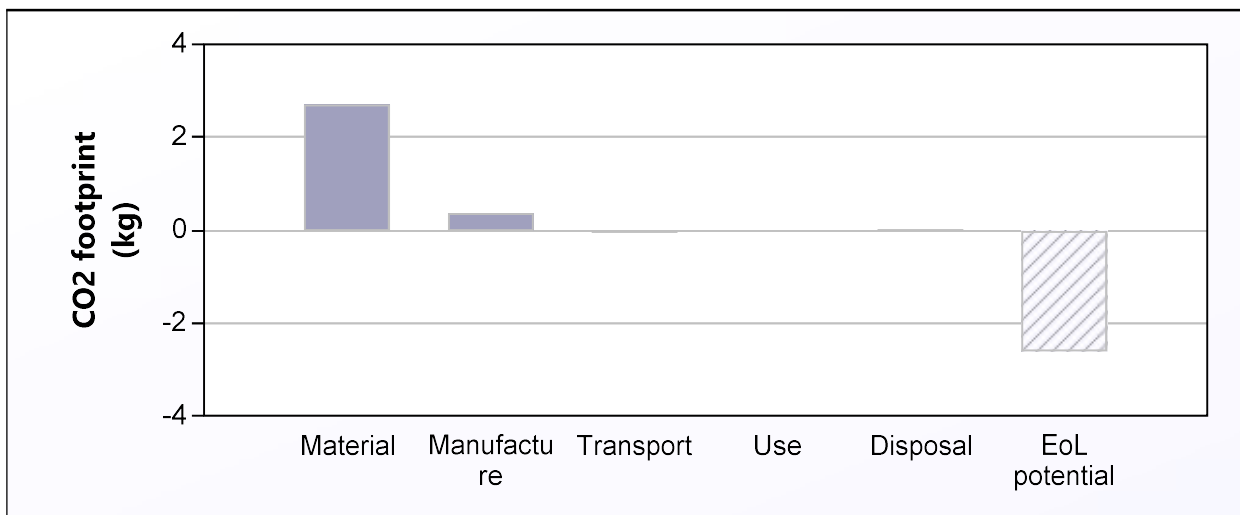
| Component | End of life option | Energy (MJ) | % |
|-------------|--------------------|-------------|-------|
| RVS shackle | Re-manufacture | -35 | 100,0 |
| Total | | -35 | 100 |

Notes:

[Summary](#)

CO2 Footprint Analysis

[Summary](#)



| | CO2 (kg/year) |
|---|---------------|
| Equivalent annual environmental burden (averaged over 1 year product life): | 3,1 |

Detailed breakdown of individual life phases

Material:

[Summary](#)

| Component | Material | Recycled content* (%) | Part mass (kg) | Qty. | Total mass (kg) | CO2 footprint (kg) | % |
|-------------|-----------------|-----------------------|----------------|------|-----------------|--------------------|-------|
| RVS shackle | Stainless steel | Virgin (0%) | 0,5 | 1 | 0,5 | 2,7 | 100,0 |
| Total | | | | 1 | 0,5 | 2,7 | 100 |

*Typical: Includes 'recycle fraction in current supply'

Manufacture:

[Summary](#)

| Component | Process | Amount processed | CO2 footprint (kg) | % |
|-------------|-------------------------|------------------|--------------------|-------|
| RVS shackle | Extrusion, foil rolling | 0,5 kg | 0,37 | 100,0 |
| Total | | | 0,37 | 100 |

Transport:

[Summary](#)

Breakdown by transport stage

| Stage name | Transport type | Distance (km) | CO2 footprint (kg) | % |
|-------------------------|-------------------------|---------------|--------------------|-------|
| Marel dongen to Boxmeer | 26 tonne (3 axle) truck | 50 | 0,002 | 100,0 |
| Total | | 50 | 0,002 | 100 |

Breakdown by components

| Component | Mass (kg) | CO2 footprint (kg) | % |
|-------------|-----------|--------------------|-------|
| RVS shackle | 0,5 | 0,002 | 100,0 |
| Total | 0,5 | 0,002 | 100 |

Use:

[Summary](#)

Relative contribution of static and mobile modes

| Mode | CO2 footprint (kg) | % |
|--------|--------------------|-----|
| Static | 0 | |
| Mobile | 0 | |
| Total | 0 | 100 |

Disposal:

[Summary](#)

| Component | End of life option | CO2 footprint (kg) | % |
|-------------|--------------------|--------------------|-------|
| RVS shackle | Re-manufacture | 0,007 | 100,0 |
| Total | | 0,007 | 100 |

EoL potential:

| Component | End of life option | CO2 footprint (kg) | % |
|-------------|--------------------|--------------------|-------|
| RVS shackle | Re-manufacture | -2,6 | 100,0 |
| Total | | -2,6 | 100 |

Notes:

[Summary](#)