Volkswagen Golf VI

Level B: Body with doors/closures, NVH/Crash
**Volkswagen Golf VI**

2008 to 2012

### Vehicle Segment C

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>4.19 m</td>
</tr>
<tr>
<td>Height</td>
<td>1.48 m</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>2.58 m</td>
</tr>
<tr>
<td>Width</td>
<td>1.76 m</td>
</tr>
<tr>
<td>Contact Area</td>
<td>3.947 m²</td>
</tr>
</tbody>
</table>

### Material Mix BiW incl. doors/closures

- Deep-drawn steel: 42%
- High-strength steel (HSS): 48.9%
- Ultra-high-strength steel (UHSS): 6.1%
- Press-hardened steel (PHS): 3%

### Weights / Parts

- BiW weight incl. doors/closures: 367.8 kg
- BiW weight: 272.0 kg
- Total number of parts: 266
- Windscreen: 13.0 kg
- Other (Paint, Coating, Damping): 20.3 kg

### Stiffness Data / Joining Process

- BiW with mounting parts: 354 kg
- Spotwelds: 3.543 kg
- WeldSpotEquivalents WSE: 6.302 kW
- Static torsional stiffness - Calculated: 18 kNm/°
- Lightweight Index – Calculated: 4.0

### TECOSIM COMPANY PROFILE

TECOSIM is a leading development partner in computer-aided engineering (CAE) on the global market with twelve locations in five countries. This specialist in numerical calculation and simulation completes challenging tasks in system simulation, structure simulation, fluid dynamics and multi-body system simulation with the aid of its 440 employees worldwide.

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