Constant velocity joints & driveshafts for industry and specialty vehicles
Our products and technology deliver the power to harvest crops, move earth, mine resources and handle material. Increasingly there is a need to focus on energy efficiency, increased productivity and safety as well as enabling operators to be continually connected and well informed to avoid downtime.

The Walterscheid Powertrain Group (WPG) is committed to providing products and services that support these requirements, and to demonstrating our position in developing technologies and solutions for the challenges of tomorrow, supporting our customers in meeting the demands of a crowded planet.

The Walterscheid Powertrain Group is a truly global business with 10 manufacturing facilities and 22 service centres in 16 countries across five continents.

This strong global presence positions us to:
- Be well placed to access fast-growing markets
- Build partnerships with market-leading customers
- Deliver product and service suited to the local markets
- Optimise our position in supply chains
- Develop technologies in partnership with global customers

Key facts
Number of employees: 2,200
Locations: 10 manufacturing plants and 22 service locations across 16 countries

The Walterscheid Powertrain Group – the global supplier of power management products, systems and service solutions for the world’s leading off-highway and industrial equipment manufacturers.

Technology and services at the heart of our success
- We are continuously developing new technologies and customer solutions which deliver efficiency in the agricultural, construction, mining, utility vehicle and industrial markets
- We service all powertrain products and systems between power source and power applied
The Walterscheid Powertrain Group is a leading provider of technology differentiated power management solutions and services. It designs, manufactures and supplies products and services for the global agricultural, construction, utility vehicles and industrial machinery markets. In addition, it provides global aftermarket distribution and comprehensive throughlife support.

The Walterscheid Powertrain Group is your preferred partner for

- Driveline parts and systems
- Industrial parts and systems
- Repair and maintenance
- Complete design and build of special drivelines

The solution for vibration-free transmission of torque

Walterscheid constant velocity driveshafts are ideally suited for applications where unequal joint angles are encountered and low vibration generation is needed. They are reliable and proven transmission elements.

Typical applications of Walterscheid constant velocity driveshaft, for example:

- Bottling machines
- Agricultural and forestry vehicles
- Garbage Trucks
- Textile machines
- Mining machinery
- Printing machines
- Wind turbines
- Pump drives
- Marine propulsion (Aquadrive system)
- Dynamometers
- Commercial vehicles
- Railroad equipment
- Military vehicles
CONSTANT VELOCITY JOINTS AND DRIVESHAFTS

PLUNGING JOINTS
Up to 22° articulation angle, dependent on joint type.

<table>
<thead>
<tr>
<th>Type</th>
<th>max. stat. torque rating [Nm]</th>
<th>Outer diameter of joint</th>
<th>max. plunge depth [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>1,500</td>
<td>83.65</td>
<td>+/- 8</td>
</tr>
<tr>
<td>10</td>
<td>2,300</td>
<td>94</td>
<td>+/- 6</td>
</tr>
<tr>
<td>13</td>
<td>2,900</td>
<td>99.73</td>
<td>+/- 11</td>
</tr>
<tr>
<td>15</td>
<td>3,700</td>
<td>108</td>
<td>+/- 8</td>
</tr>
<tr>
<td>21</td>
<td>6,000</td>
<td>128</td>
<td>+/- 12</td>
</tr>
<tr>
<td>30</td>
<td>9,200</td>
<td>148</td>
<td>+/- 12.5</td>
</tr>
<tr>
<td>32</td>
<td>13,200</td>
<td>180</td>
<td>+/- 12.5</td>
</tr>
<tr>
<td>42</td>
<td>19,700</td>
<td>192</td>
<td>+/- 12</td>
</tr>
<tr>
<td>48</td>
<td>22,000</td>
<td>220</td>
<td>+/- 12.5</td>
</tr>
<tr>
<td>60</td>
<td>67,500</td>
<td>275</td>
<td>+/- 15</td>
</tr>
</tbody>
</table>

FIXED BALL JOINTS
Up to 47° articulation angle, depending on joint type.

<table>
<thead>
<tr>
<th>Type</th>
<th>max. stat. torque rating [Nm]</th>
<th>Outer diameter of joint</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>1,300</td>
<td>74</td>
</tr>
<tr>
<td>10</td>
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<td>83</td>
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<td>15</td>
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<tr>
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<tr>
<td>32</td>
<td>14,000</td>
<td>180</td>
</tr>
<tr>
<td>42</td>
<td>23,000</td>
<td>192</td>
</tr>
</tbody>
</table>

Left to right: Vehicle driveshaft, Plunging ball joints, Heavy Duty CV shaft, Plunging joint with tube connection, CV joint coupling for railway vehicle, CV shaft combining plunging and fixed joints, Aquadrive Antivibration System
YOUR SPECIALIST FOR DRIVELINE ENGINEERING SOLUTIONS

Low plunge resistance in the joint = Low bearing load

Constant velocity at every angle

Vibration free at high speeds up to 8,000 r.p.m.

Lubricated for life

Angles up to 22°, no alignment required

Compact design. From 130mm flange to flange.

Angles up to 47°, no alignment required