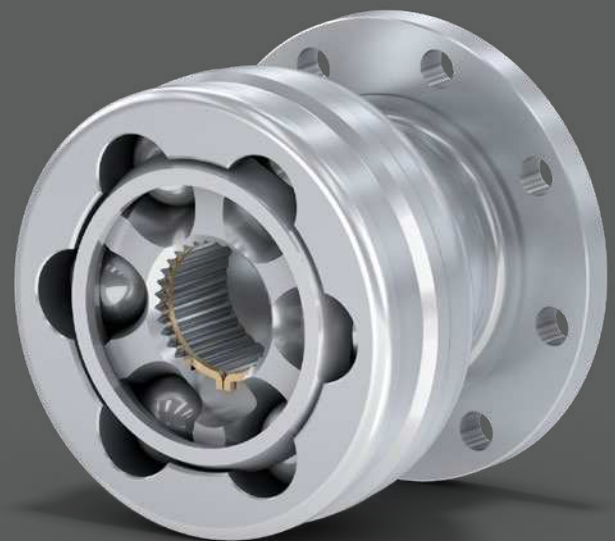




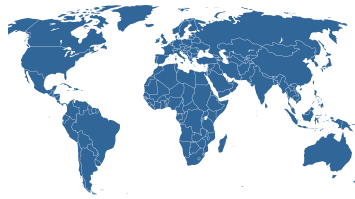
Constant velocity joints & driveshafts for industry and specialty vehicles





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 SOLUTION FOR VIBRATION-FREE TRANSMISSION OF TORQUE

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.



FIXED BALL JOINTS

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

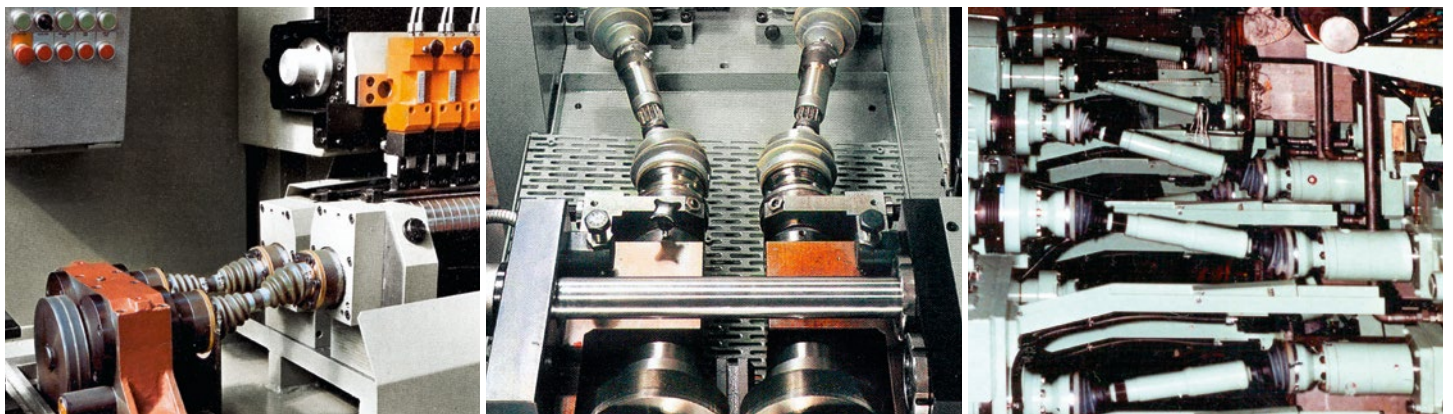


Type	max. stat. torque rating [Nm]	Outer diameter of joint	max. plunge depth [mm]
05	1,500	83.65	+/- 8
10	2,300	94	+/- 6
13	2,900	99.73	+/-11
15	3,700	108	+/-8
21	6,000	128	+/-12
30	9,200	148	+/-12.5
32	13,200	180	+/-12.5
42	19,700	192	+/-12
48	22,000	220	+/- 12.5
60	67,500	275	+/- 15

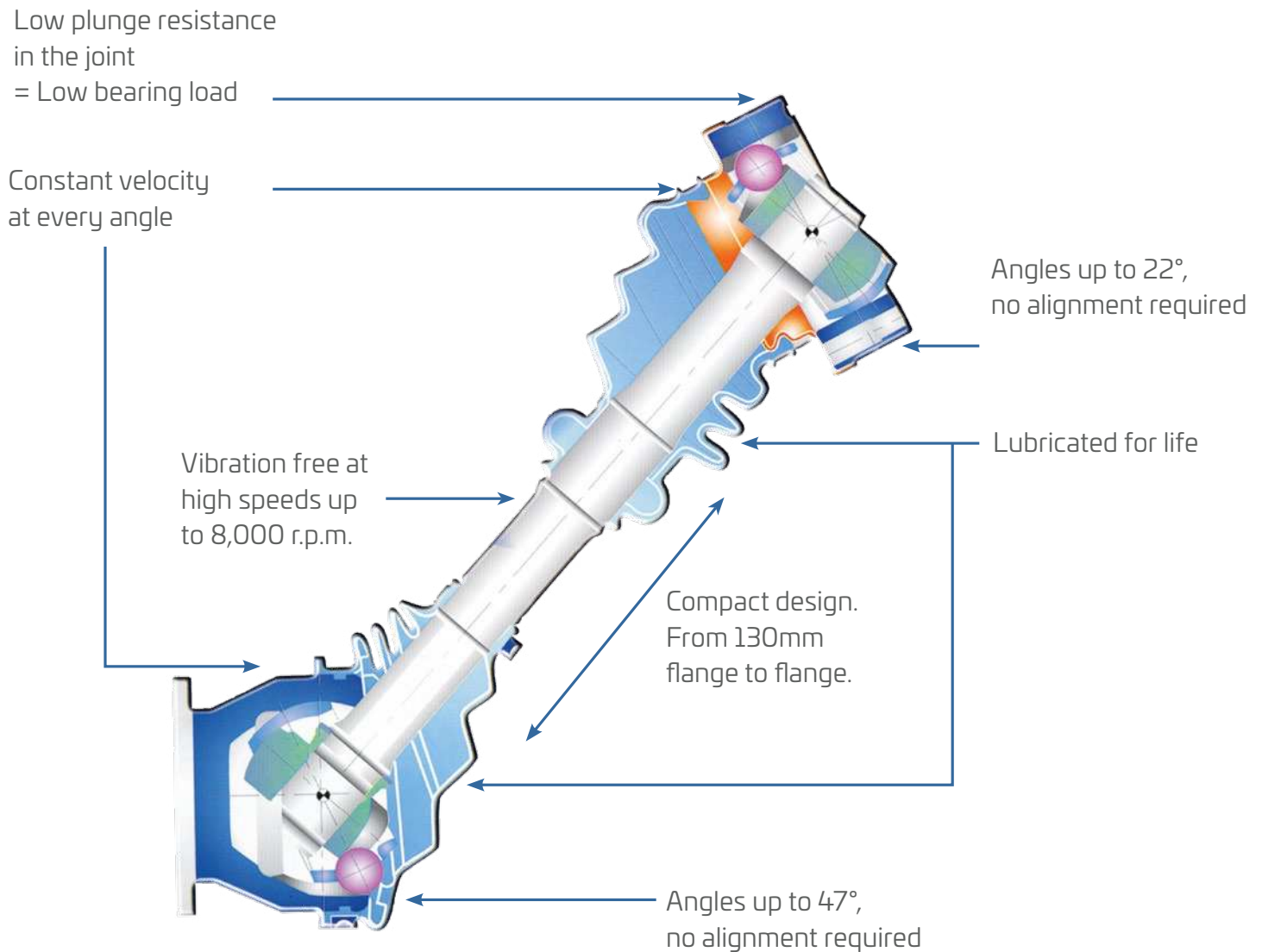
Type	max. stat. torque rating [Nm]	Outer diameter of joint
05	1,300	74
10	1,700	83
12	2,350	92
15	3,040	100
21	5,700	119
30	9,700	140
32	14,000	180
42	23,000	192



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



WALTERSCHEID POWERTRAIN GROUP

LOCATIONS



Service Centre Vienna

Powertrain Services Austria GmbH
Slamastraße 32
1230 Wien
Austria
Phone: +43 (0) 1616 38 800
service.austria@walterscheid.com



Service Centre Amsterdam

Powertrain Services Benelux BV
Haarlemmerstraatweg 153-157
1165 MK Halfweg
Netherlands
Phone: +31 (0) 20 4070 207
service.netherlands@
walterscheid.com



Service Centre Sint-Truiden

Powertrain Services Benelux BV
Groenstraat 5920, bus 2
3800 Sint-Truiden
Belgium
Phone: +32 (0) 11 59 02 60
service.belgium@walterscheid.com



Aftermarket & Service China

万特赛传动技术 (中国) 有限公司
Walterscheid Powertrain (China) Co. Ltd.
Building 17, 188 East Guangzhou
Rd, 215400 Taicang, Jiangsu
China
Phone: +86 512 535 818 00
service.china@walterscheid.com



Service Centre København

Powertrain Services Scandinavia AB
Baldershøj 11 A+B
2635 Ishøj
Denmark
Phone: +45 (0) 44 86 68 44
service.denmark@walterscheid.com



Service Centre Paris

Powertrain Services France SA
8 Rue Panhard et Levassor
78570 Chanteloup les Vignes
France
Phone: +33 (0) 130 068 400
service.france@walterscheid.com



Service Centre Chalon sur Saône

Powertrain Services France SA
6b rue Alfred Kastler
71530 Fragnes
France



Service Centre Leek

Powertrain Services UK Limited
Higher Woodcroft
Leek
Staffordshire ST13 5QF
Great Britain
Phone: +44 (0) 153 838 42 78
service.uk@walterscheid.com



Service Centre Milano

Powertrain Services Italy SpA
Via G. Ferraris 125/C
20021 Bollate, Milano
Italy
Phone: +39 02 38 33 81
service.italia@walterscheid.com



Service Centre Oslo

Powertrain Services Scandinavia AB
Karihaugveien 102
1086 Oslo
Norway
Phone: +47 (0) 23 286 810
service.norway@walterscheid.com



Service Centre Stockholm

Powertrain Services
Scandinavia AB
Alfred Nobels Allé 110
146 48 Tullinge
Sweden
Phone: +46 (0) 8 603 97 00
service.sweden@walterscheid.com



Service Centre Regensburg

Off-Highway Powertrain Services
Germany GmbH
Althardstraße 141
8105 Regensburg (Zurich)
Switzerland
Phone: +41 (0) 44 87 16 070
service.switzerland@
walterscheid.com



Service Centre Madrid

Off-Highway Powertrain Service Spain
Sociedad Limitada
Calle Garzas 10A
28320 Pinto
Spain
Phone: +34 91 690 95 77
service.spain@walterscheid.com



Service Centre České Budějovice

Powertrain Services Austria GmbH
Pekárenská 54
370 04 České Budějovice
Czech Republic
Phone: +42 (0) 387 314 125
service.czech@walterscheid.com



Aftermarket & Service North America

Powertrain Rockford Inc
1200 Windsor Road
Loves Park, IL 61111, USA
Phone: +1 815 633 746 0
mechanics@walterscheid.com



Service Centre Russia

Walterscheid (RUS) LLC
Leninskaya Sloboda 19 room 21k
115280 Moscow
Russia
Phone: +7 495 646 56 81
service.russia@walterscheid.com



CONSTANT VELOCITY SHAFTS

Service Centre Frankfurt

Off-Highway Powertrain Services
Germany GmbH
Gewerbepark Hasselroth
Senefelder Str. 6
63594 Hasselroth
Germany
Phone: +49 (0) 6055 883 09 – 48
service.frankfurt@walterscheid.com

FIELD SERVICE AND DIGITAL SOLUTIONS

Service Centre Bönen

Off-Highway Powertrain Services
Germany GmbH
Siemensstr. 6
59199 Bönen
Germany
Phone: +49 (0) 2383 921 15 0
service.boenen@walterscheid.com

CARDAN COMMERCIAL VEHICLES

Service Centre Düsseldorf

Off-Highway Powertrain Services
Germany GmbH
Gutenbergweg 2
40699 Erkrath
Germany
Phone: +49 (0) 2104 933 746
customerservice.duesseldorf@
walterscheid.com

CARDAN INDUSTRY

Service Centre Hamburg

Off-Highway Powertrain Services
Germany GmbH
Ottensener Straße 150
22525 Hamburg
Germany
Phone: +49 (0) 40 5400 900
customerservice.hamburg@
walterscheid.com

PRODUCTION ONLY

Service Centre Nürnberg

Off-Highway Powertrain Services
Germany GmbH
Am Keuper 1
90475 Nürnberg
Germany

Service Centre München

Off-Highway Powertrain Services
Germany GmbH
Siemensstr. 11
85221 Dachau
Germany

Off-Highway Powertrain Services Germany GmbH

Gewerbepark Hasselroth
Senefelder Str. 6
63594 Hasselroth
Germany
Phone: +49 (0) 6055 883 09 – 48
service.frankfurt@walterscheid.com

WALTERSCHEID

WALTERSCHEID POWERTRAIN GROUP GLOBAL FOOTPRINT

WAL 11 GB 0120 AK2-PDF



Worldwide locations of our ● 9 Manufacturing Plants and ● 22 Service Centres