



等速传动轴

应用于工业及特种车辆

CONSTANT VELOCITY DRIVE SHAFTS

for industry- and special vehicles



产品系列介绍 / Type Overview



连接范围 Connection range

- ▶ 万向节最大扭矩可达67,500牛米
- ▶ 法兰直径为65至275毫米不等

- ▶ max. stat. joint torque
67500 Nm
- ▶ Flange diameter 65 – 275 mm

设计亮点 Design features

- ▶ 万向节伸缩阻力小
- ▶ 在任意角度均可实现等速传动
- ▶ 无振动高速运作
- ▶ 无需精确对准
- ▶ 可以超短设计
- ▶ 免维护设计

- ▶ Low plunge resistance in the joint
- ▶ Constant velocity at every angle
- ▶ Vibration free at high speeds
- ▶ Alignment not required
- ▶ Very short coupled design possible
- ▶ Maintenance free

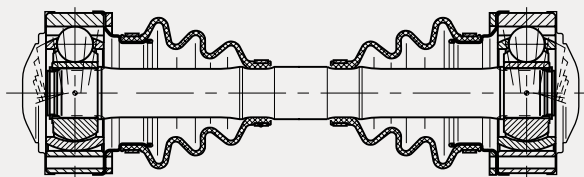
应用场景 Preferred application

- ▶ 工业应用
- ▶ 车辆应用
- ▶ 船舶驱动装置

- ▶ Industrial applications
- ▶ vehicle applications
- ▶ Boat drives

产品型号 / Design

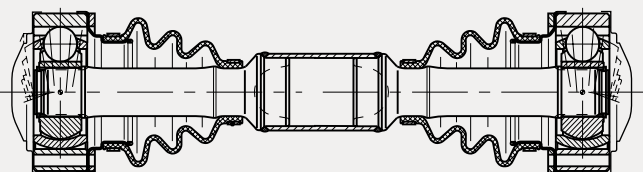
尺寸 Serie	101	102	104	105	107	108	110	111	114	115	116	117	118	161	162	164	165	166	168	169	172	174	177	178	200	201	202	203	250	251	255
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42												•	•						•	•	•				•	•	•	•	•	•	•
48																									•	•			•		•
60																									•	•			•		•



型号 / Types: 101, 102

伸缩型万向节 - 实心轴 -
伸缩型万向节 (常速)

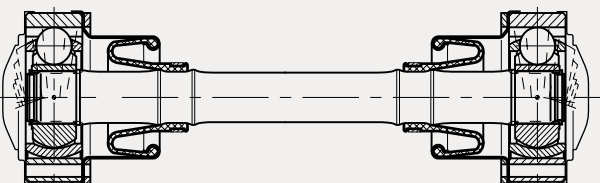
Plunging joint – Barshaft –
Plunging joint normal speed



型号 / Types: 107, 108

伸缩型万向节 - 管轴 -
伸缩型万向节 (常速)

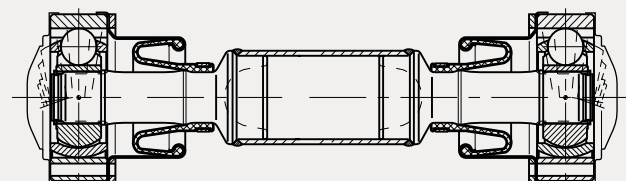
Plunging joint – Tubeshaft –
Plunging joint normal speed



型号 / Types: 104, 105, 200

伸缩型万向节 - 实心轴 -
伸缩型万向节 (高速)

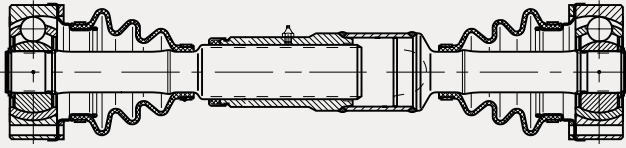
Plunging joint – Barshaft –
Plunging joint high speed



型号 / Types: 110, 111, 201

伸缩型万向节 - 管轴 -
伸缩型万向节 (高速)

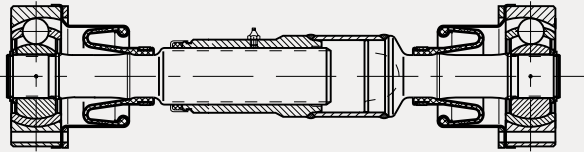
Plunging joint – Tubeshaft –
Plunging joint high speed



型号 / Types: 117

固定型万向节 - 长度补偿设计 -
固定型万向节 (常速)

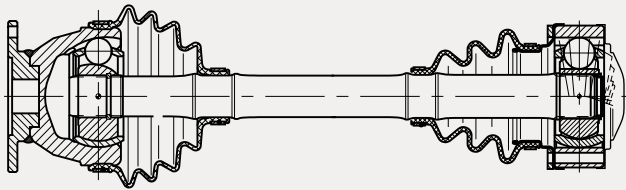
Fixed joint – Length compensation –
Fixed joint normal speed



型号 / Types: 118

固定型万向节 - 长度补偿设计 -
固定型万向节 (常速)

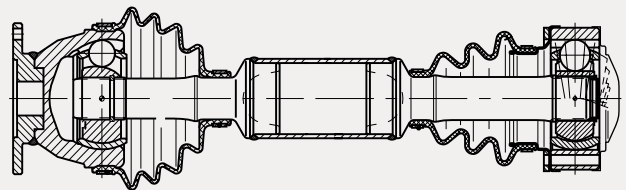
Fixed joint – Length compensation –
Fixed joint normal speed



型号 / Types: 114

固定型万向节 - 杆轴 -
伸缩型万向节 (常速)

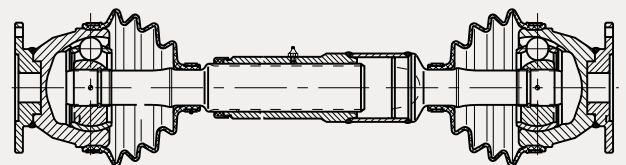
Fixed joint – Barshaft –
Plunging joint normal speed



型号 / Types: 115

固定型万向节 - 管轴 -
伸缩型万向节 (常速)

Fixed joint – Tubehaft –
Plunging joint normal speed



型号 / Types: 116

固定型万向节 - 长度补偿设计 -
固定型万向节 (常速)

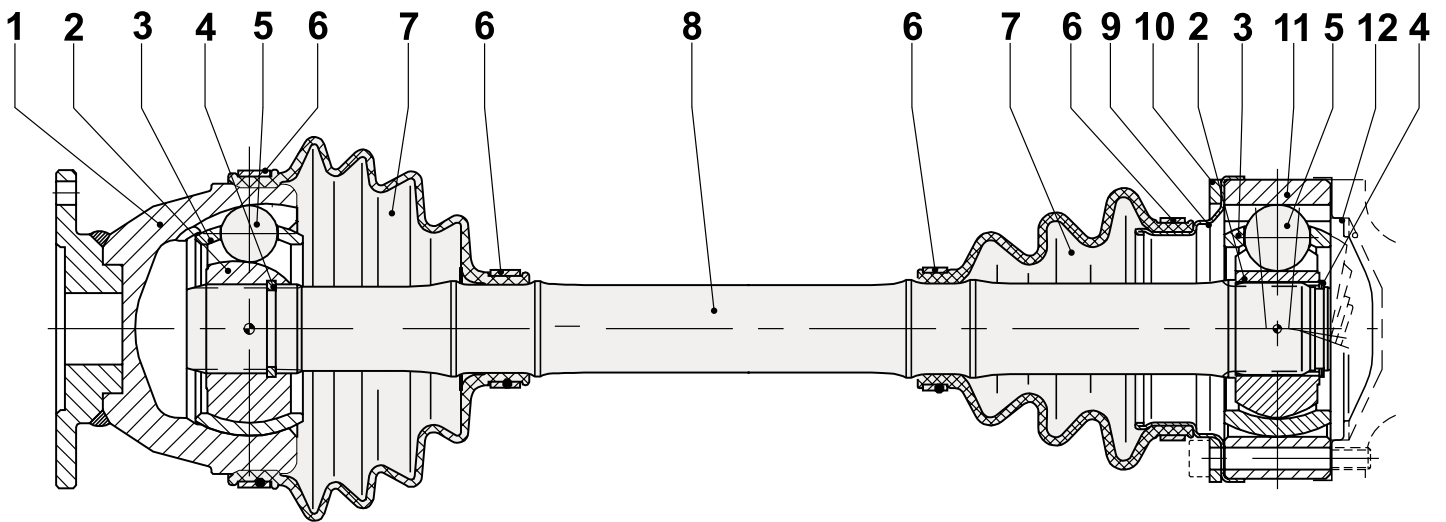
Fixed joint – Length Compensation –
Fixed joint normal speed

万特赛等速传动轴的优势

- ▶ 万向节伸缩阻力小= 轴承载荷小
- ▶ 在任意角度均可实现等速传动
- ▶ 无振动高速运作
转速最高可达8000转/分钟
- ▶ 无需精确对准
- ▶ 可超短设计
- ▶ 永久润滑
- ▶ 免维护

Advantages of Walterscheid constant velocity drive shafts

- ▶ Low plunge resistance in the joint = low bearing load
- ▶ Constant velocity at every angle
- ▶ Vibration free at high speeds
up to 8,000 rpm
- ▶ Alignment not required
- ▶ Very short coupled design possible
- ▶ Lubricated for life
- ▶ Maintenance free



1. 外滚道
2. 内滚道
3. 球笼
4. 卡簧
5. 钢球
6. 卡箍

7. 护套
8. 中间轴
9. 护套盖
10. 垫片
11. 外滚道
12. 密封盖

1. Outer race
2. Inner race
3. Cage
4. Circlip
5. Ball
6. Clamp

7. Boot
8. Intermediate shaft
9. Boot cap
10. Washer plate
11. Outer race
12. Closure cap

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WALTERSCHEID



Walterscheid
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