

Economical & fast from 3 hours / 24 hours around the clock / 365 days a year.

The family-run business WiCHMANN GmbH is dedicated to unconditional customer orientation. Guaranteeing the operation of your cardan shaft has been our primary goal for over 40 years. Together with our competent employees, we make an international contribution towards reducing breakdowns and machine downtimes to a minimum. Our special strengths are Just-in-Time and Kanban deliveries for components up to flange size 225 mm.

WiCHMANN ensures uncomplicated and speedy order handling. Our Customer Care Center looks forward to receiving your inquiry.

Our all-purpose repair service - guarantees shortest delivery times at top quality.







For further information: www.wichmann-os.de

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WICHMANN





Manufacture, repairs and service related to cardan shafts

Leistung, die bewegt

Leistung, die bewegt

The first.

We offer highest quality standards within certified manufacturing processes and services in the **OEM segment** and **machine optimization**. We offer cardan shafts for industrial plants and rolling mills of all kinds with excellent operational safety, high service life and low operational costs. The optimal design of your cardan shaft is based on professional calculation and advisory services to provide you with an individual selection of sizes.

WiCHMANN cardan shafts are the right choice for difficult and the most challenging operating conditions:

- Unsplitted bearing eyes
- Maintenance-free function
- Highest possible strength and minimum deformation under load
- Maximum journal cross bearing capacity
- Specific material selection and treatment
- Optimum weld connections
- Perfected geometry due to computer analyses



Quality "Made in Germany"

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Training of operative and maintenance personnel on site and at WiCHMANN facilities

Measurement and analysis of all operative and design-relevant data (performance, speed, torque, etc.) of your cardan shaft

Installation monitoring by skilled technical personnel



ort description

ality management standard

vironmental management standard

elding of rail vehicles and rail vehicle parts

ality requirements for technical welding anufacturers

ort descripton

ick detection of material composition

neck of the material structure

st of surface hardness and penetration depth

gistering the main dimensions

ntrol of thickness and composition of int coatings

ecure elimination of surface errors, such as acks or fusion defects

cure elimination of voluminous errors such pores and slag inclusions

ecure elimination of exterior errors, such weld spatter or notches

cure elimination of open surface rors, such as cracks or pores

cure elimination of errors directly beneath e surface, such as fusion defects or cracks

rtificate of Compliance

orks certificate incl. results on-specific testing

ceptance test certificate incl. results ecific inspection

atial component depiction

mponent stress analysis via nite Element Method

ort Description

utscher Verband für Schweißen und verwandte Vernren e.V. (German Association for Welding, Cutting and ied Processes)

rband deutscher Maschinen- und Anlagenbau erman Engineering Federation)

For all makes & models.

Even with correct dimensioning and optimal maintenance, component failure in the U-joint is still possible after exceeding the bearing life, which can cause a considerable damage within the facility. For this reason, we recommend the preventive replacement of the relevant components. Component failure can also be caused by unpredicted overloading. Here, with our CSN brand we stand for shortest delivery times and highest quality.

In order to guarantee professional workmanship, we recommend that the components be checked and repaired by our qualified personnel. The punctual renewal of defective components reduces maintenance costs.



* upon request of customer

2. Cleaning Visual inspection for deformations of all kinds Functional test Disassembly into all single parts Cleaning of all components Inspection of all individuals

parts for reusability

of welding seams*

Inspection reports*

3

· Proposal preparation

of defective components

maintenance-free design*

· Converting to

Radiographic examination

✓ Cleaning ✓ Visual inspection for deformations of all kinds ✓ Functional test + Balancing process

· Reassembly with replacement · Balancing · Permanent marking · Paintwork

· Lubrication