核心技术 CORE COMPETENCE

金属材料高精度机械加工技术	High-precision metal machining technology
感应淬火热处理技术	Induction hardening heat treatment technology
渗碳淬火热处理技术	Carburizing-and-quenching treatment technology
盐浴氮化热处理技术	Salt-bath nitriding heat treatment technology
金属熔焊焊接技术	Metal fusion welding technology
金属表面涂装技术	Metal surface coating technology

公司场景 COMPANY SCENARIO



调质、渗碳淬火生产线
Quenching & Tempering, Carburizing & Quenching Production Line



轴套自动加工生产线
Travel Axle Sleeve Automatic Machining Line



盐浴氮化热处理生产线
Salt Bath Nitriding Heat Treatment Line



涂 装 生 产 线
Paint & Coating Production Line



自动化焊接
Automate d Welding



产品检验室
PRODUCT INSPECTION ROOM











欢迎合作
We Welcome Business Cooperation

浙江中诚滑动轴承科技股份有限公司
ZHEJIANG ZCB SLIDING BEARING TECHNOLOGY CO., LTD.

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滑动摩擦副智造者 - 关节智匠

SLIDING FRICTION PAIR SPECIALISTS FOR ARTICULATED CONSTRUCTION MACHINERY



致力于为客户提供耐磨部件解决方案

DEDICATED TO DELIVERING WEAR-RESISTANT PARTS SOLUTIONS FOR CUSTOMERS

浙江中诚滑动轴承科技股份有限公司
ZHEJIANG ZCB SLIDING BEARING TECHNOLOGY CO., LTD.

COMPANY PROFILE 公司介绍

浙江中诚滑动轴承科技股份有限公司成坐落于浙江省衢州市常山县，主要研发和生产高端滑动摩擦副产品。配套服务于工程机械，矿山设备，注塑机械，农业机械，新能源产业，以及其他各种机械行业，应用范围非常广泛。

公司从金属材料的高精度机械加工，到金属表面感应淬火处理技术，渗碳淬火处理技术和盐浴氮化处理技术，以及金属表面特种涂层技术等方面，都拥有完整的技术能力和工艺装备，并建立了在产品、技术，设备、工艺、成本等方面的综合优势。产品适合用于：轻重载荷，高低转速，维护频次低，持久耐磨性，高防腐防锈等各种特殊工况，具备为客户提供耐磨部件产品个性化解决方案的能力和产品。

公司占地面积 20000m^2，现有员工150人，拥有120多台套专用和通用设备，致力于发展成为行业内一流的高端摩擦副产品和应用专家。

Zhejiang ZCB Sliding Bearing Technology Co., Ltd. is located in Changshan County, Quzhou City, Zhejiang Province, specializing in the R&D and production of high-end sliding bearing products. Our products serve a wide range of industries-including construction machinery, mining equipment, injection molding machines, agricultural machinery, and the new energy sector , as well as various other machinery industries—with extremely broad applications.

From high-precision machining of metal materials to surface **induction hardening, carburizing-and-quenching, salt-bath nitriding**, and special surface coating technologies, the company possesses complete technical capabilities and process equipment, and has built comprehensive advantages in products, technology, equipment, processes, and cost. Our products are suitable for various demanding operating conditions-such as **light and heavy loads, high and low rotational speeds, low maintenance frequency, long-lasting wear resistance, and high corrosion and rust resistance**-enabling us to deliver **customized solutions for wear-resistant component products** to our customers.

Covering an area of **20,000 m²** and employing **150 staff**, the company operates **more than 120 sets** of specialized and general-purpose equipment, and is committed to becoming a first-class expert in high-end **friction pair** products and applications within the industry.



高新技术企业

浙江省专精特新中小企业

GB/T 19001-2016 / ISO 9001:2015
GB/T 45001-2020 / ISO45001:2018
GB/T 24001-2016 / ISO14001:2015

发明专利 4 项 / 实用新型 20 项

合作范围
BUSINESS PARTNER

挖掘机 装载机 平地机 旋挖钻 压路机
两头忙 剪叉车 高空车 拖拉机 收割机
采煤机 掘进机 注塑机 压铸机

Construction machinery applications: excavators, wheel loaders, motor graders, rotary drilling rigs, road rollers, backhoe loaders, scissor lifts, and aerial work platforms.



浙江中诚滑动轴承科技股份有限公司
ZHEJIANG ZCB SLIDING BEARING TECHNOLOGY CO., LTD.

氮化处理轴套
NITRIDED OIL GROOVE BUSHING



材料：
42CrMo/40Cr

技术要求：
Technical Requirements

1. 基体调质处理，硬度HB240-320；
2. 表面盐浴氮化处理,表面硬度HV0.1＞600；
3. 白亮层＞10μm，有效渗层总厚0.2-0.4mm；
4. 白亮层金相1-2级，脆性1级；
5. 白亮层疏松层占比小于1/2；
6. 内表面喷涂高分子聚合物涂层，厚度10μm-30μm

1. Base material quenched and tempered, hardness Hb240-320.
2. Salt-bath nitriding on surface, surface hardness HV0.1＞600.
3. White layer ＞10 μm, total effective case depth: 0.2-0.4 mm.
4. Metallographic grade of white layer: Grade 1/2; brittleness grade: Grade 1.
5. Porosity ratio of white layer less than 1/2.
6. Inner surface sprayed with high-molecular polymer coating, coating thickness: 10 μm-30 μm.

感应淬火轴套
INDUCTION HARDENED BUSHING



材料：
42CrMo

技术要求：
Technical Requirements

1. 整体调质处理，硬度HB280-320；
2. 表面渗碳淬火,硬度HRC52-58；
3. 淬硬层深度0.8-1.2mm；
4. 金相等级1-2级
5. 内表面喷涂自润滑涂层（高分子聚合物材料），厚度10μm-30μm；

1. Full quenching and tempering treatment, hardness HB280-320.
2. Surface carburizing and quenching, hardness HRC-52-58.
3. Hardened case depth: 0.8-1.2 mm.
4. Metallographic grade: Grade 1-2.
5. Inner surface sprayed with self-lubricating coating (high-molecular polymer), coating thickness: 10 μm-30 μm.

感应淬火销轴
INDUCTION HARDENED PIN SHAFT



材料：
42CrMo/40Cr

技术要求：
Technical Requirements

1. 整体调质处理，硬度HB280-320；
2. 表面渗碳淬火，硬度HRC52-58；
3. 淬硬层深度0.8-1.2mm；
4. 金相等级1-2级

1. Full quenching and tempering treatment, hardness HB280-320.
2. Surface carburizing and quenching, hardness HRC52-58.
3. Hardened case depth: 0.8-1.2 mm.
4. Metallographic grade: Grade 1-2.

高力黄铜套
COPPER BUSHING



材料：
ZCuZn25Al6Fe3Mn3

技术要求：
Technical Requirements

表面硬度HB＞260

Surface hardness Hb＞260

应用场景　Applications

工程机械，矿山设备，工程车辆，农用机械，油田设备，海工装备等。

Construction machinery, mining equipment, commercial/engineering vehicles, agricultural machinery, oilfield equipment, offshore engineering equipment, and more.

渗碳淬火轴套
CARBURIZED & QUENCHED
OIL GROOVE BUSHING



材料：
20CrMnTi

技术要求：
Technical Requirements

1. 整体调质或正火处理，硬度HB＞200；
2. 表面渗碳淬火，硬度HRC 56-62；
3. 有效渗层深度（0.8-1.2）mm；
4. 内表面喷涂自润滑涂层（高分子聚合物材料），厚度10μm-30μm；
5. 装配销轴前，需在油穴及内壁处涂满润滑脂;

1. Overall quenching-and-tempering or normalizing treatment; hardness ＞ 200 HB.
2. Surface carburizing and quenching, hardness HRC 56- 62.
3. Effective case depth: (0.8-1.2) mm.
4. Inner surface coated with self-lubricating coating (high-molecular polymer), thickness 10 μm - 30 μm.
5. Before pin shaft assembly, fill all oil dimples and inner bore with grease.

氮化处理销轴
NITRIDED PIN SHAFT



材料：
42CrMo

技术要求：
Technical Requirements

1. 基体调质处理，硬度HB280-320；
2. 表面盐浴氮化处理,表面硬度HV0.1＞600；
3. 白亮层＞10μm，有效渗层总厚0.2-0.4mm；
4. 白亮层金相1-2级，脆性1级；
5. 白亮层疏松层占比小于1/2。

1. Base material quenched and tempered, hardness HB280-320.
2. Salt-bath nitriding on surface, surface hardness HV0.1＞600.
3. White layer ＞10 μm, total effective case depth: 0.2-0.4 mm.
4. Metallographic grade of white layer: Grade 1-2; brittleness grade: Grade 1.
5. Porosity ratio of white layer less than 1/2.

氮化调整垫片
NITRIDED ADJUSTMENT SHIM



材料：
50#/SPCC

技术要求：
Technical Requirements

表面盐浴氮化处理，硬度HV0.1＞500。

Surface salt-bath nitriding treatment, hardness HV0.1＞500.

Construction machinery, mining equipment, commercial/engineering vehicles.

固体润滑铜套
GRAPHITE SELF-LUBRICATING
BUSHING



材料：
ZCuZn25Al6Fe3Mn3

技术要求：
Technical Requirements

表面硬度HB＞260

Surface hardness Hb＞260

应用场景　Applications

工程机械，矿山设备，工程车辆，农用机械，油田设备，海工装备等。

Construction machinery, mining equipment, commercial/engineering vehicles, agricultural machinery, oilfield equipment, offshore engineering equipment, and more.