ZHEJIANG XCC GROUP CO.,LTD.

STOCK CODE: 603667

AUTOMOTIVE BEARINGS AND SPARE PARTS

(ENGLISH VERSION)

www.xcc-zxz.com

ZHEJIANG XCC GROUP CO.,LTD.

ZHEJIANG XCC GROUP CO., LTD （hereinafter referred to as XCC, stock code: 603667）is a comprehensive enterprise specialized in the production of bearings, integrated with R&D, manufacturing and customer service. Now our company has formed into three industrial bases in Xinchang of Zhejiang province, Hefei of Anhui province and Dalian of Liaoning province.

XCC created a vertically integrated bearing production chain what combined with R&D, tubing, forging, turning, heat treating, grinding, sale, and customer service. The bearings that we produced including auto-alternators bearings, tensioner bearings, electromagnetic clutch bearings, water pump bearings, precision machine tool bearings, chemical fiber & textile machinery bearings, as well as whole series of standard and non-standard deep groove ball bearings etc. As XCC bearings are famous for high precision, high speed, low noise and long life, which are having been sold far to lot of countries and regions, i.e. United States, Japan, Korea, Brazil, Now XCC auto bearings have serviced for many car manufacturers such as Nissan, Hyundai etc. And bearing rings service for global high-end brands bearing manufactures such as SKF, Schaeffler, NSK, NTN, JTEKT etc.

XCC keeps innovating, improving quality and meeting the customer requirements, in the meantime, carrying out a large scale technical reconstruction by introducing advanced equipments and inspection instruments both at home and abroad to promote enterprise's comprehensive strength. Manufacturing technology of precision bearing is lead on the domestic market, and manufacturing technology from raw material to heat treatment has meet the international standard. The precision rolling technology of rings had been won the second class of National Science and Technology Progress award. We are not only the top bearing manufacturer in china, but also the world's leading production bases of bearing rings forging and turned rings.

Keeps the spirit of intensive cultivation, XCC not only product structure, conduct transformation and upgrading, but also constantly breakthrough new high-end products R&D and production capacity, enhance the core competitiveness, XCC struggle to be most powerful enterprise for import substitution and bearing industry leader.

NANYAN INDUSTRIAL PARK

STOCK CODE：603667

SHENGZHOU INDUSTRIAL PARK

DALIAN INDUSTRIAL PARK

MEIZHU INDUSTRIAL PARK

HEFEI INDUSTRIAL PARK

MANUFACTURING EQUIPMENT & PRODUCTION LINE

ZZZ build up entire bearing production line from steel tube, forging, turning, heat treatment to grinding and assembling after 10 years effort; high quality bearing rings which do heat treatment already provide for top 5 bearing manufacturer worldwide, production capacity reach 200 million sets annually; adopt full automatic CNC grinding and assembly line, benefit from big amount of advanced manufacturing equipments, ZZZ has ability to service for world class level customers.

HIGH SPEED FORGING AND STEEL PIPE MANUFACTURING

TURNING AND HEAT TREATMENT

GRINDING

ASSEMBLY

R&D AND QUALITY CONTROL

Regard the R&D and innovation as the fundamental of a company, and provide the product exceeding the customer expectation. Digitized simulation software and static-dynamic simulation analyzation help to achieve the highly CAE; We also adopt nanoscale level of runout、ultra-precision measuring instruments of contour, etc. To meet the need of high precision bearings inspection; Digital controlled simulation test equipments of bearing performance can conduct fully simulation tests according to the situations. Professional engineers keep creating, improving the production technology to improve machinery efficiency and product precision. Has built the Post-doctoral work station, provincial technology center and Enterprise Institute.

中国合格评定国家认可委员会
实验室认可证书
（注册号：CNAS L7000）

兹证明：
浙江五洲新春集团股份有限公司检测中心
浙江省新昌县七星街道秦坦大道 199 号，312500

符合 ISO/IEC 17025：2005《检测和校准实验室能力的通用要求》（CNAS-CL01《检测和校准实验室能力认可准则》）的要求，具备承担本证书附件所列检测服务的能力，予以认可。

获认可的能力范围见标有相同认可注册号的证书附件，证书附件是本证书组成部分。

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中国合格评定国家认可委员会授权人

No.CNAS AL 1 0009509

China National Accreditation Service for Conformity Assessment

LABORATORY ACCREDITATION CERTIFICATE

(Registration No. CNAS L7000)

Testing Center of Zhejiang Continents Xinchun Group Co., Ltd.
No.199, Taitan Road, Qixing Street, Xinchang, Zhejiang, China

is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence of testing.

The scope of accreditation is detailed in the attached appendices bearing the same registration number as above. The appendices form an integral part of this certificate.

Date of Issue: 2014-07-08
Date of Expiry: 2017-07-07
Date of Initial Accreditation: 2014-07-08
Date of Update: 2014-07-08

Signed on behalf of China National Accreditation Service for Conformity Assessment

No.CNAS AL 2 0010129

AUTOMOBILE BEARING PERFORMANCE DESIGN PROJECTS SUMMARY

REQUIREMENTS	OBJECTS	DESIGN STRUCTURE
★ Long life ☆ Fatigue life ☆ Lubricaton life ☆ Sealing life	INNER RING、OUTER RING、STEEL BALL Material performance: high purity special bearing quality steel and strictly controled heat treatment. Machining part: high accuracy、good roughnessraceway of double row angular contact ball bearings adopt dimand roller dressing the grinding wheel.	Bearing rings manufactured with high purity apecial bearing quality steel e.g.
★ High speed performance	CAGE Material performance: Higher streghten; ageing-resistant grease; self-lubrication performance; excellent heat-resistence performance.	Glass fibre reinforced polyamide cage General condition: PA66+GF25 Special requirement: PA66+GF30
★ High sealing capacity ★ Excellent high & low temperature working condition	GREASE Material performance: Excellent ageing resistance performance thermal stability、high & low temperature, abrasion resistance and long life shaped groove, excellent sealing performance three lip contact design.	1. Inner rings with V-shaped groove 2. Seal ring with triple-lip contact design
★ Low starting torque	GREASE Material performance: excellent ageing resistance performancethermal stability、high & low temperature, abrasion resistance and long life.	Synthetic Oil (base oil) + Polturea-based (thickener) grease
★ Creep resistance	OD with expansion nylon ring or "O" shaped rubber ring	EC type bearing、AC type bearing

APPLICATION AND FEATURES

Different kinds of auto bearings are customized to meet the various working conditions, and all of them need good quality and long life:

1. Alternator bearing: inner ring rotation with high sealing performance, can bear high speed rotation、high & low temperature environment、low starting torque and long life.
2. Tensioner pulley bearing: outer ring rotation with low load, but high requirement for temperature rising, grease leakage, anti-dust and anti-water in different conditions.
3. Electromagnetic clutch bearing: mostly are double row angular ball bearings, low radial load, rotation speed ≤6000rpm, according to the working principle of electromagnetic clutch, as the bearing need to bear axial force intermittent and surrounding with water and dust, so high requirement for grease leakage, anti-dust and water proof.
4. Water pump bearing: high requirement for seal performance in high temperature or water vapor environment, excellent design for anti-dust and water proof.

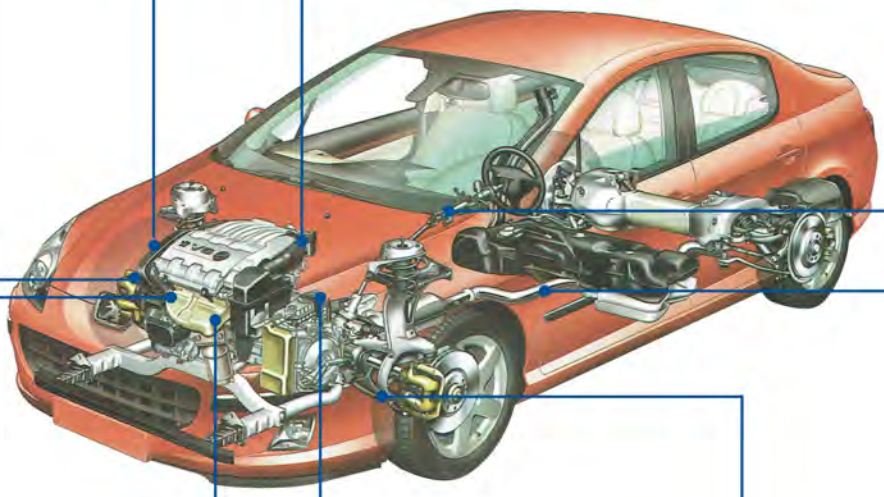
ZYL design different types of auto bearings to meet the specific need of applications, and provide excellent solution to ensure that our clients derive maximum benefits from our products.

ALTERNATOR BEARINGS

TENSIONER BEARINGS

ENGINE FAN BEARINGS

AUTOMOTIVE STEERING BEARINGS



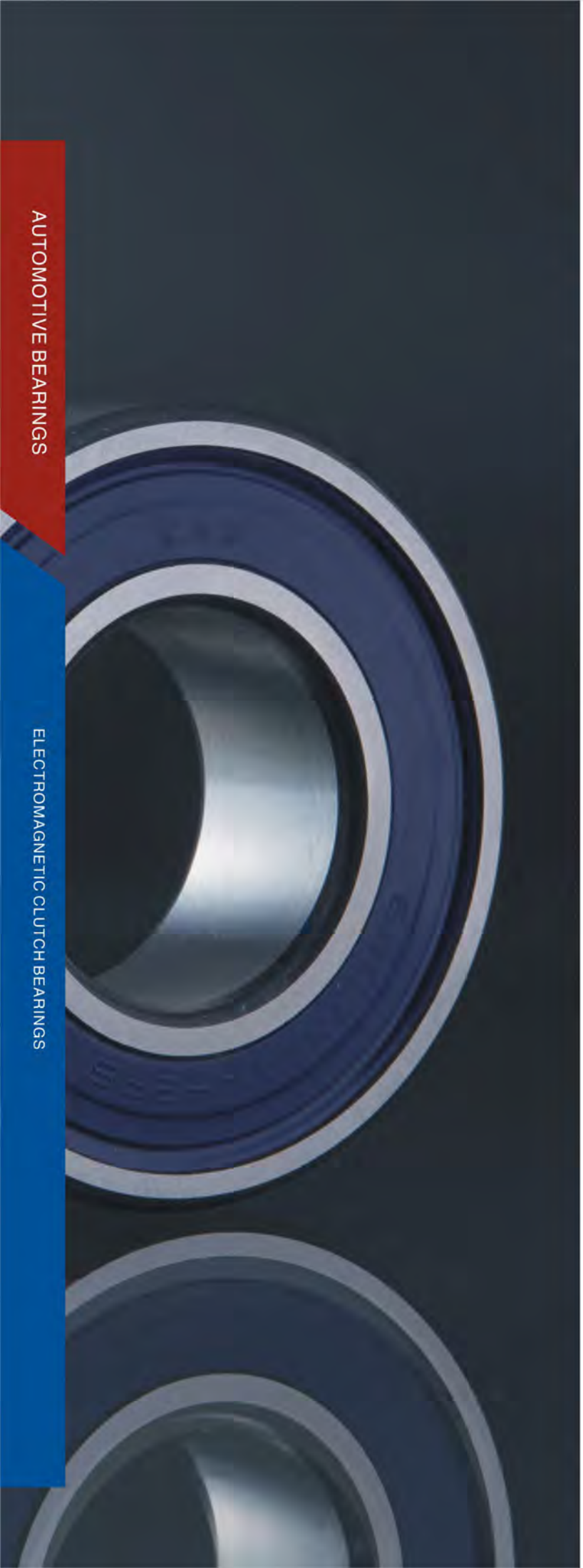
ELECTROMAGNETIC CLUTCH BEARINGS

WATER PUMP BEARINGS

TRANSMISSION SYSTEM BEARINGS

THE THIRD GENERATION TRIPOD UNIVERSAL JOINT BEARINGS

PROPELLER SHAFT BEARINGS & DRIVE SHAFT BEARINGS



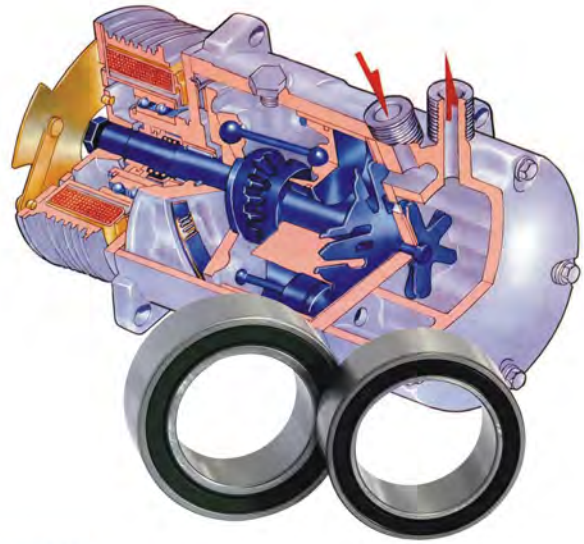
ELECTROMAGNETIC CLUTCH BEARINGS

APPLICATION FEATURES

1. Outer ring running;
2. Ambient temperature above 130 ℃, and the actual working temperature exceeds 160 ℃;
3. Surrounding of bearings filled with water vapor, dust;
4. Use in high-temperature and alpine region;
5. Affected by magnetic field acts, prone to have white flaking of groove;
6. In the pull in and separation process of clutch, bearing under an axial force exceeds 300N's;
7. Operate of belt transmission; the rotation speed of bearings change frequently during operation; force direction changes with belt swing; magnitude of load changes frequently -- under a greater impact of variable speed and variable load.

PERFORMANCE

1. High requirement of sealing durability: not allow water vapor, dust, etc. leaking into the bearing for a long time;
2. High requirement of high-speed operation performance;
3. Excellent thermal stability at -40 ℃ ~ 180 ℃;
4. Starting torque: select medium contact seals;
5. Long service life: in accordance with the requirements of electromagnetic clutch bearings, testing life required more than 500h.

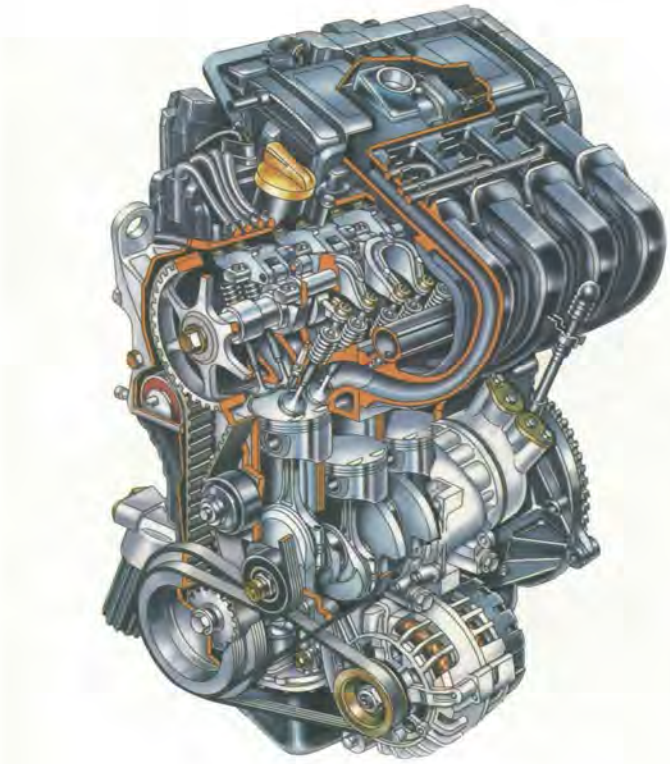


ADVANTAGE

The material selection of bearing components:
1. Rings manufactured by high-purity specialty quality bearing steel;
2. Steel balls are from famous brand manufactures, that effectively guarantee materials and processing accuracy;
3. Using glass fiber reinforced nylon cages;
4. Sealed with high quality acrylic rubber;
5. Using synthetic oil (base oil) + Polyurea (thickening agent) Grease.

Design Structures:
1. Sealed with tri-lips medium contact structure
-- having a high sealing performance, and suitable for high-speed operation;
2. Using engineering plastic cages with oil reservoir structured
-- effectively increase the lubrication capability of bearings;
3. Optimize the groove curvature of outer ring and the raceway of inner ring
-- suitable for high-speed and axial movement;
4. Raceway machined by diamond wheel machining, that effectively controlled dimension difference and curvature difference of raceway.

ALTERNATOR BEARINGS



APPLICATION FEATURES

1. High-speed running of bearing inner ring;
2. Temperature of operating environment above 120 ℃;
3. Surrounding of bearings with water vapor, dust;
4. Contact with mud sometimes;
5. Soak in water in special time;
6. Use in high-temperature and alpine region;
7. High requirement of limiting speed;
8. Operate inside a magnetic field, prone to have white flaking;
9. Can withstand operating conditions both of rapid acceleration and rapid deceleration.

PERFORMANCE

1. The sealing performance requirements: do not allow water, vapor or dust leak into bearing;
2. Bearing requirements of high performance high speed;
3. High and low working temperature from -40℃ ~ 180℃;
4. Low starting torque: the light contact seal;
5. The use of long life: in accordance with the requirements of automotive; bearings, life test requirements of more than 1000h.

ADVANTAGE

The Material Selection of Bearing Components:
1. Rings adopted by high-purity specialty quality bearing steel;
2. Steel balls are from famous brand manufacturers, that effectively guarantee materials and processing accuracy;
3. Using glass fiber reinforced nylon cages;
4. Sealed with high quality acrylic rubber;
5. Using synthetic oil (base oil) + Polyurea (thickening agent) Grease.

Design Structures:
1. Sealed with tri-lips light contact structure
-- having supper sealing performance, and suitable for high-speed operation;
2. Using engineering plastic cages with oil reservoir structured
-- effectively increase the lubrication capability of bearings;
3. Optimize the groove curvature of outer ring and the raceway of inner ring
-- suitable for high-speed and reduce axial movement;
4. Some bearing's OD with nylon expansion ring or "O" type ring
-- prevent creeping.

TRANSMISSION SYSTEM BEARINGS

APPLICATION FEATURES

1. Operation of bearing inner ring;
2. Sometimes, aluminum scrap will enter the bearing inside gearbox;
3. Has a high load carrying capacity, and is able to withstand a certain degree of axial impact load. Need to ensure the service life of bearings under a high load;
4. Initially, bearings lubricated by grease, and later use oil to lubricate. Sealing performance requirements are relatively not very high, but not allow iron and aluminum scrap entering bearings.

PERFORMANCE

1. The service life is relatively high under high loads, general requirements of 3~5 times theory life;
2. In the gearbox, foreign matters can enter bearings easily, require bearings have a high compressive strength and wear resistance.

ADVANTAGE

To ensure the service life, we have made improvements in the following two aspects:
The material selection of bearing components;
1. Rings manufactured by high-purity specialty quality bearing steel;
2.Steel balls are from famous brand manufactures, that effectively guarantee materials and processing accuracy;
3. The bearing rings are manufactured by high speed forging +cold rolling, and do Nitrocarburizing on the raceway surface.

Design Structures:
1. Sealed with tri-lips light contact structure -- having a high sealing performance, and suitable for high-speed operation;
2. Using oil reservoir structured cages -- increase the lubrication capability of bearings;
3. Optimize the groove curvature of outer ring and the raceway of inner ring -- suitable for high-speed and reduce axial movement;
4. Both inner and outer bearing rings of high-emission vehicles are used forging process or nitriding treatment
-- increase raceway strength, improve crush resistance, and abrasion resistance.

TENSIONER BEARINGS

APPLICATION FEATURES

1. High-speed running of bearing outer ring;
2. Temperature of operating environment above 100 ℃;
3. Surrounding of bearings with water vapor, dust;
4. Contact with mud frequently;
5. Use in high-temperature and alpine region;
6. High rotation speed;
7. Operate of belt transmission; the rotation speed of bearings change frequently during operation; force direction changes with belt swing; magnitude of load changes frequently -- hearings have a greater impact of variable speed and variable load.

PERFORMANCE

1. High requirement of sealing performance: not allow water vapor, dust, etc. leaking into the bearing;
2. High requirement of high-speed operation performance;
3. Excellent thermal stability at -40 ℃ ~ 150 ℃;
4. Starting torque: normally select medium contact seals;
5. Long service life: in accordance with the requirements of automotive bearings, testing life required more than 500h.

ADVANTAGE

The material selection of bearing components:
1. Rings manufactured by high-purity specialty quality bearing steel;
2. Steel balls are from famous brand manufactures, that effectively guarantee materials and processing accuracy;
3. Using glass fiber reinforced nylon cages;
4. Sealed with high quality acrylic rubber;
5. Using synthetic oil (base oil) + Polyurea (thickening agent) Grease.

Design Structures:
1. Sealed with tri-lips medium contact structure
-- having a high sealing performance, and suitable for high-speed operation;
2. Using engineering plastic cages with oil reservoir structured
--effectively increase the lubrication capability of bearings;
3. Optimize the groove curvature of outer ring and the raceway of inner ring
-- adapt to high-speed performance and axial movement requirements.

THE THIRD GENERATION TRIPOD UNIVERSAL JOINT BEARINGS

APPLICATION FEATURES

Bearing with spherical outer ring is mounted on tripod ,shaft, the spherical outer ring can slip on the internal round form groove for axial movement.

ADVANTAGE

1. The spherical ring and bearing are integrated, bearing outer surface is ground spherical shape for smooth axial movement in the groove;
2. Adopt high quality bearing steel, with high strength and high antiwear performance;
3. Outside diameter of spherical ring is sorted by dimension, distinguish by different color of baffle rings for easy installment.

AUTOMOTIVE STEERING BEARINGS

APPLICATION FEATURES

1. The clockwise and anticlockwise durability tests are respectively more than 200,000 revolutions and 700,000 revolutions;
2. Axial play is less than 0.05;
3. Tight chamfering tolerance;
4. Clearance is less than C2.

APPLICATION Products applied to automotive steering column.

TYPES Sealed or opened DGBB and 4P bearings.

DIMENSION id: 17mm ~ OD: 62mm

ADVANTAGE

1. With the latest four-point angular contact ball design, the axial play is less than 0.05, at the same time, the axial loading capacity is greatly increased;
2. Adopt high quality bearing steel, has longer fatigue life;
3. The inner and outer raceways are ground by grinding wheel which dressed by rotary diamond roller, have higher accuracy of form of groove and dimension.

AUTOMOTIVE PROPELLER SHAFT BEARINGS AND DRIVE SHAFT BEARINGS

APPLICATION FEATURES

1. Environment: The bearing is located in the lower part of the chassis, normally working in a dusty and mud splash environment, so it is with high requirement of bearing sealing performance. Working in outside, from low temperature -40 ℃ to high temperature 100℃;
2. Rotating speed: Highest is 3000rpm;
3. Loading: Besides to bear the weight of the main rotating axis, also need to bear the uncertain axial load;
4. Eccentric Oblique angle: Bearing is used with propeller shaft (or drive shaft) , need consider to compensate the installation error of the shaft, and the displacement caused by the engine vibration and frame deformation, so the oblique angle of bearing are key factor to be paid attention during bearing design.

ADVANTAGE

1. Strengthen the bearing seal performance design, meet the requirements of dustproof and water-proof;
2. Increase the block shoulder height of the bearing ring, increase the axial loading capacity;
3. Full fill with long life grease into the internal of bearings;
4. By optimizing the internal groove design, increase the bearing allows oblique angle;
5. Meet the 300,000 kilometers free maintenance requirements.

Type	Application	Customer
MCB61-X	heavy truck propeller shaft	MERITOR
559036		
6206-2RSX	front wheel drive shaft	FHC
6207X2		ZOTYE SUV
CDZ7241.2-2RS	front wheel drive shaft	GAC
7513043	heavy truck propeller shaft	
6511236		
7011236		

DIMENSION

OD: 62mm ~ 125mm

TYPES

Drive shaft bearings:
6207X2YA-4RS; 6206-2RSX; 6306-2RSX; CDZ7241.2-2RS.
Propeller shaft bearings: MCB61-X; 559036; 7513043; 6511236; 7011236.

ENGINE FAN BEARINGS

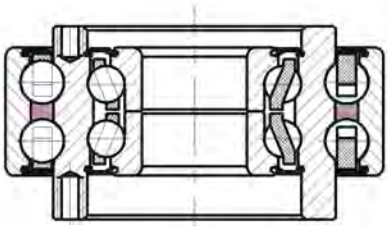
APPLICATION

Cooling fan in truck engine.

ADVANTAGE

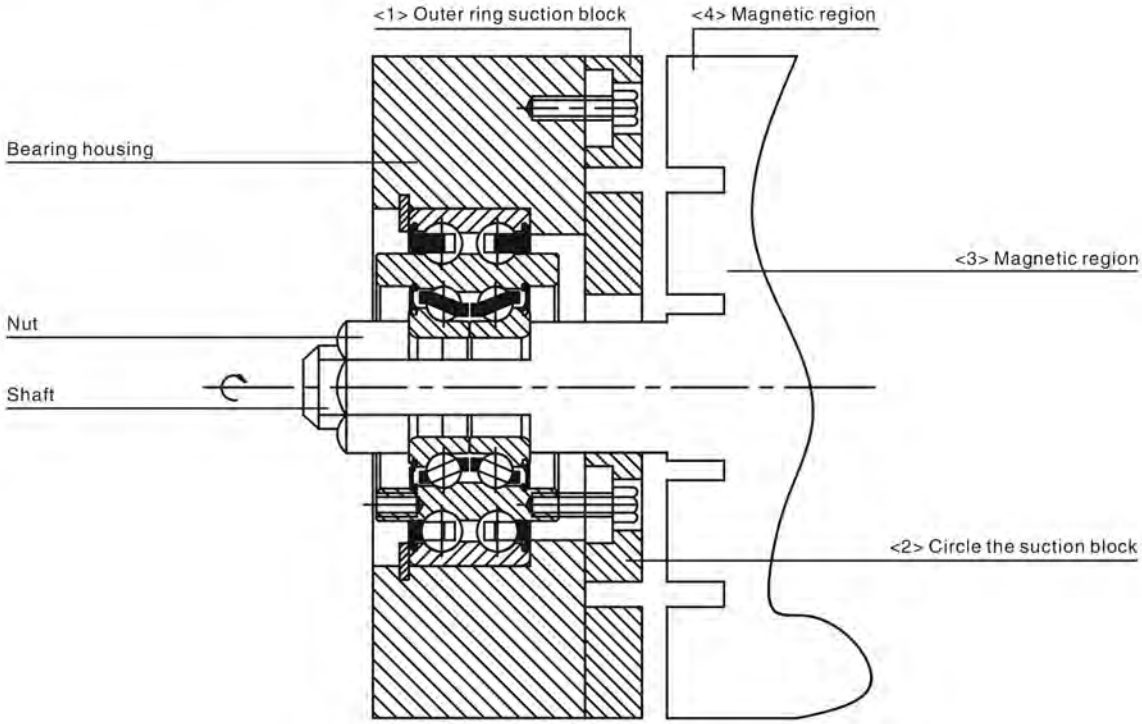
1. three ways of rotation, achieving energy saving and green environmental protection.
2. Sealing rings are manufactured by acrylate material (ACM) , and can work under 150℃ temperature.
3. filling long life grease in the bearings, ensure long time rotation reliability.

DIMENSION 25*50*46mm



WORKING PRINCIPLE (SEE FIGURES)

Outer rings are installed in the bearing housing, to achieve tight fit.
(1) Outer ring suction blocks are fixed in the bearing housings by nuts;
(2) Circle the suction blocks are fixed in the circle rings, and input axis and magnetic area are regarded as an integral, tight inner rings by nut with 350N, when it refers to rotation:
1. Idling: inner rings are rotated with shaft.
2. Intermediate speed: circle rings suction blocks <2> are adsorbed with magnetic area<3>, shaft drive inner and circle rings to rotation.
3. High speed: outer rings suction blocks <1> are adsorbed with magnetic area <4>, and circle rings suction blocks <2> are adsorbed with magnetic area <3>, shaft drive inner , circle and outer rings to rotation.

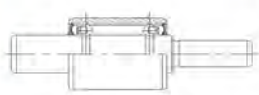
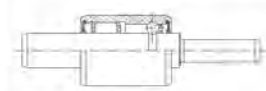
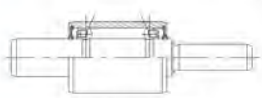
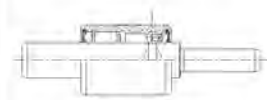
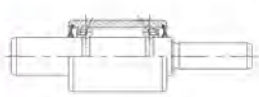
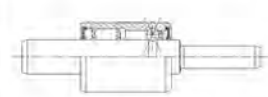


WATER PUMP BEARINGS

APPLICATION AND FEATURE

As auto water pump bearings used in high temperature and moisture environment, bearing designed with high sealing performance for the heavy dust or moisture resistance.
After years improvement, we have made breakthroughs in auto water pump bearings. The following improved design process are introduced, while still keeping the material quality and machining accuracy.

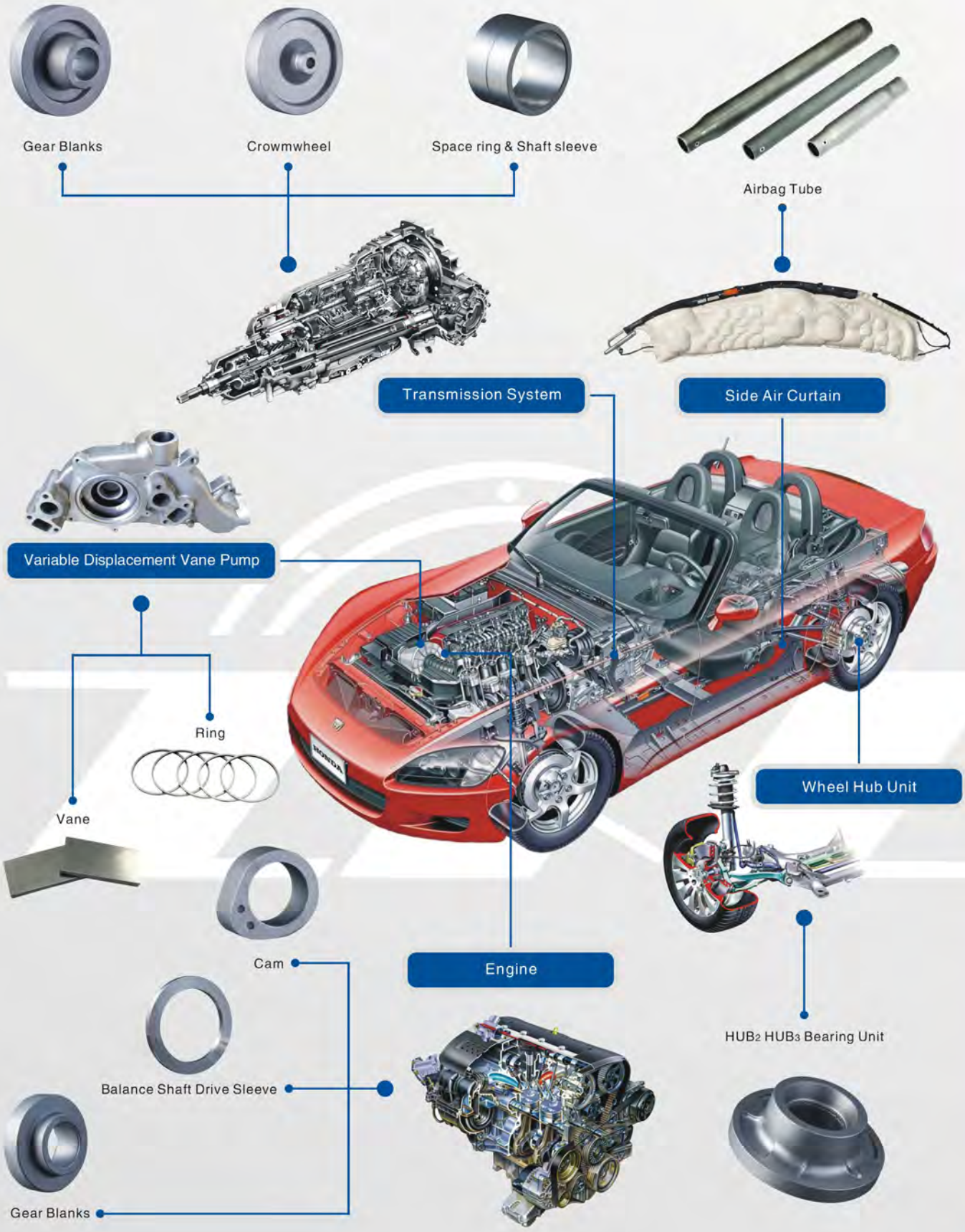
MAIN CONFIGURATION

WB type water pump bearing		WR type water pump bearing	
Legend	Improvement effect	Legend	Improvement effect
 Double row deep groove ball bearings	1. Old structure; 2. Contact angular is 0° ; 3. Big axial clearance, poor anti-seismic capacity; 4. Axial load capacity improved.	 Roller-ball bearing structure	1. Design with high radial loading capacity; 2. Strengthen drive-end load capacity; 3. Big axial clearance sensitive to vibration; 4. Sensitive to the axis bending because of high load and big radial clearance.
 Double row angular contact ball bearing	1. Standard design for double row angular contact ball bearing; 2. Contact angular is 25° ; 3. Small axial clearance; 4. Increase pressure spot distance; 5. High axial capacity.	 Roller-three point contact ball bearing	1. Design for high radial or axial loadin capacity; 2. Strengthen drive-end capacity; 3. Three point contact angular is 25° ; 4. Small axial clearance; 5. Strengthen axial load capacity.
 Asymmetric angular contact ball bearing	1. Advanced design for Asymmetric angular contact ball bearing; 2. Character designed by normal angular contact; 3. Higher load capacity on drive-end.	 Roller-four point contact ball bearing	1. Design for high radial or axial loading capacity; 2. Strengthen drive-end load capacity; 3. Four point contact angle is 25° ; 4. Small radial clearance; 5. Strengthen axial load capacity.

SEALING STRUCUTRE

Legend	Improvement effect	Legend	Improvement effect
Single lip seal structure	1. Single lip seal; 2. Economical solution; 3. Friction moment; 4. Most basic protection: anti-pullution, grease leaking provention.	Single lip seal structure with finger	1. Single lip seal with finger; 2. Economical solution; 3. Single spring back protection; 4. Prevent dirt and water from entering the bearing by centrifugal force; 5. Flinger without extra Starting Torque, small Starting Torque.
Double lip seal structure	1. Double lip sealing lip; 2. Better sealing performance and protective capacity for internal bearing; 3. Higher Starting Torque.	Seal structure with spring	1. Single lip seal with spring; 2. High seal protective capacity,prevent water and water vapor entering the bearings; 3. No rust happening on the surface; 4. Friction moment increased.

The products which manufactured by our company such as gear blank ,gear sleeve,cam,2nd and 3rd generation hub bearings ,have been widely used in gearbox, engine, hub of automobiles, and we are cooperative with customers from Audi ,GTMC,VW,DPCA,SAICMOTOR,FIAT, Hyundai.



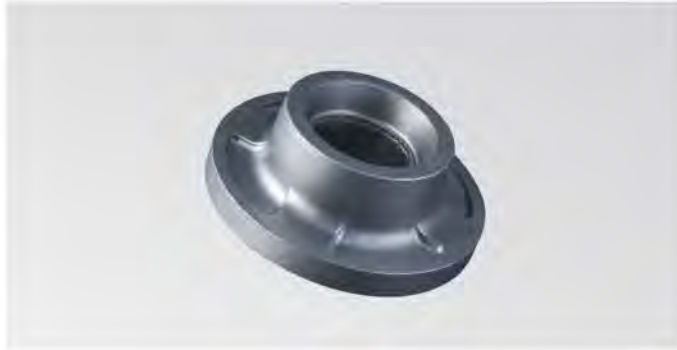
HUB2 HUB3 BEARING UNIT

APPLICATION: Automobile wheel hub unit parts.

PERFORMANCE: Suitable for automobile especially car wheel hubs' internal and external flange forgings.

DIMENSION: OD: 100mm ~ 230mm, within 10KG forgings.

ADVANTAGES: Forgings are produced by 1000T+1600T electric screw press machine, using medium frequency induction heating and full automatic operating by robot , and Japan MANYO1300T walking beam forging equipment for high quality assurance, has lower allowance, advantages of materials saving and better metal streamline.



BALANCE SHAFT DRIVE SLEEVE

APPLICATION: Automobile synchronization regulator, engine etc.

DIMENSION: OD: 30mm ~ 250mm.

ADVANTAGES: Gear sleeve are produced by process of forging + hot ring rolling or cold rolling has advantages of materials saving and longer lifetime.

CAM

APPLICATION: Automotive engine camshaft.

PERFORMANCE: Intake, exhaust CAM parts.

TYPE: Intake、exhaust CAM peach piece, oil pump CAM etc.

DIMENSION: OD: 30mm ~ 60mm.

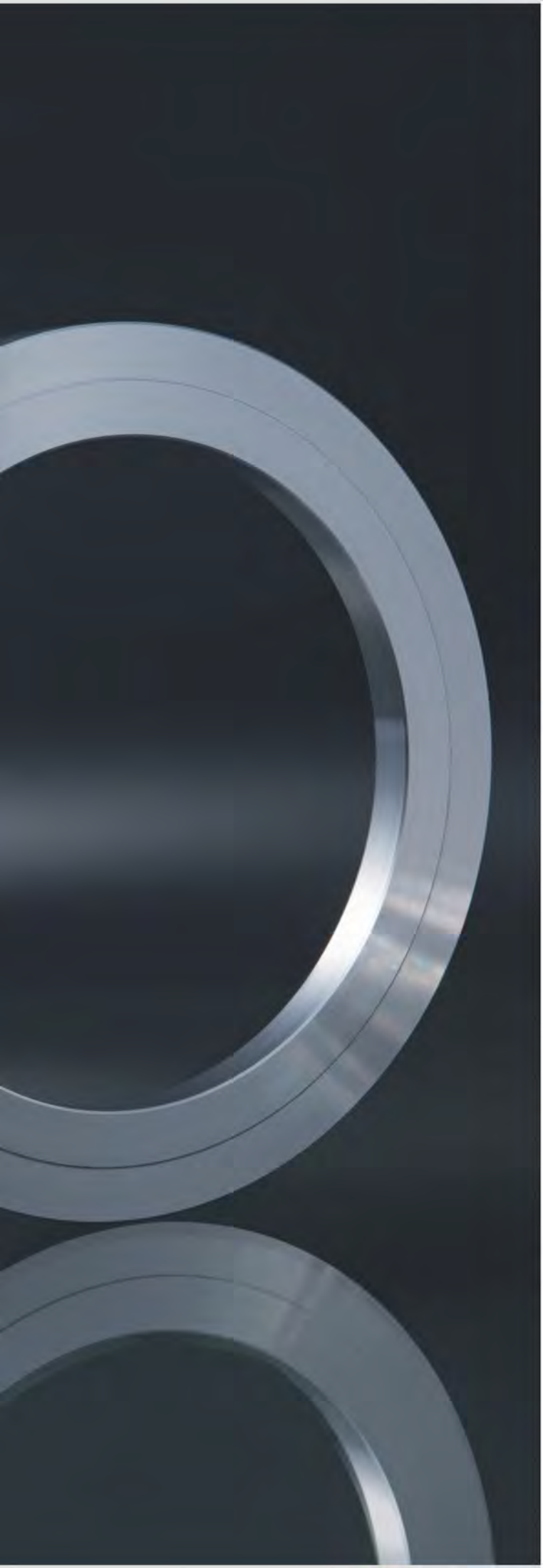
ADVANTAGES: Use Swiss Hateubr high-speed forging equipment AMP30S, in order to avoid the risk of water caused cracks mounting with lateral unloading system on the equipment, has advantages of lower allowance, better parallel and concentricity, no end face burr and chamfer defects happened.

GEAR BLANKS

APPLICATION: Automobile engine balance shaft, gearbox, differential gear blank etc.

DIMENSION: OD: 30mm ~ 230mm.

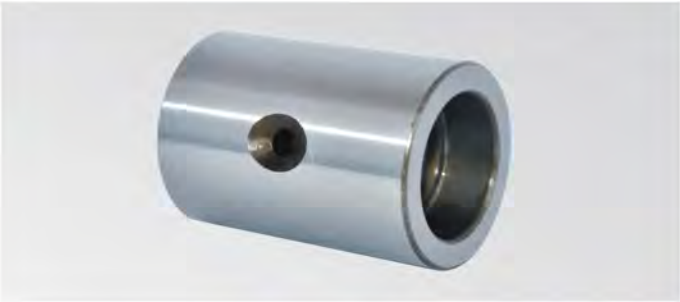
ADVANTAGES: Forgings are produced by 1000T+1600T electric screw press machine and Swiss Hatebur high-speed forging equipment AMP30S with medium frequency induction heating and full automatic operating by Robot for high quality assurance, lower allowance, advantages of materials saving and better metal streamline.



SPACE RING

APPLICATION: In automobile transmission system as spacer of gear.

ADVANTAGES: Adopt high quality bearing pipe, manufacturing process including turning, heat treatment and grinding, have feature of high precision and high strength. with good consistency and low cost.

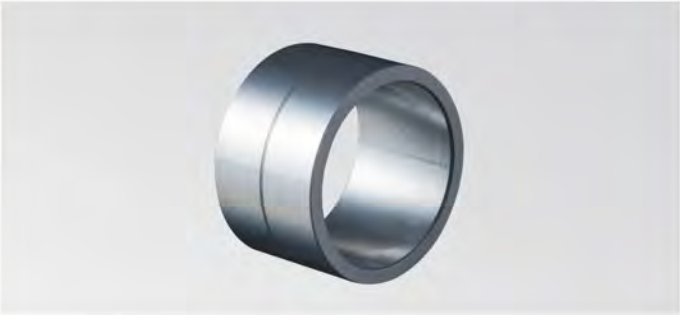


SHAFT SLEEVE

APPLICATION: Used in the automotive gearbox, as the raceway of bearing inner rings.

DIMENSION: OD: 20mm ~ 70mm

ADVANTAGES: Products are manufactured by high quality bearing steel, after heat treatment, grinding, which achieve the high accuracy, strength, durability, and have good quality for mass production with low cost.

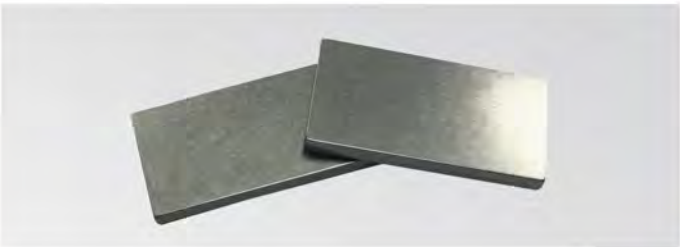


VANE

APPLICATION: Applied to the automotive variable displacement vane pump, and worked with vane rings together to supply oil to automotive engine.

DIMENSION: 10*10*2mm, 10*20*2mm, 12*14*2.5mm

ADVANTAGES: Adopt high quality bearing steel as raw material, after turning, heat treatment, grinding, blasting, fluid polishing, NDT and other process, the products achieve low roughness, high accuracy and good reliability. Because of manufactured by specialized machines, the products take the good advantage of low cost.

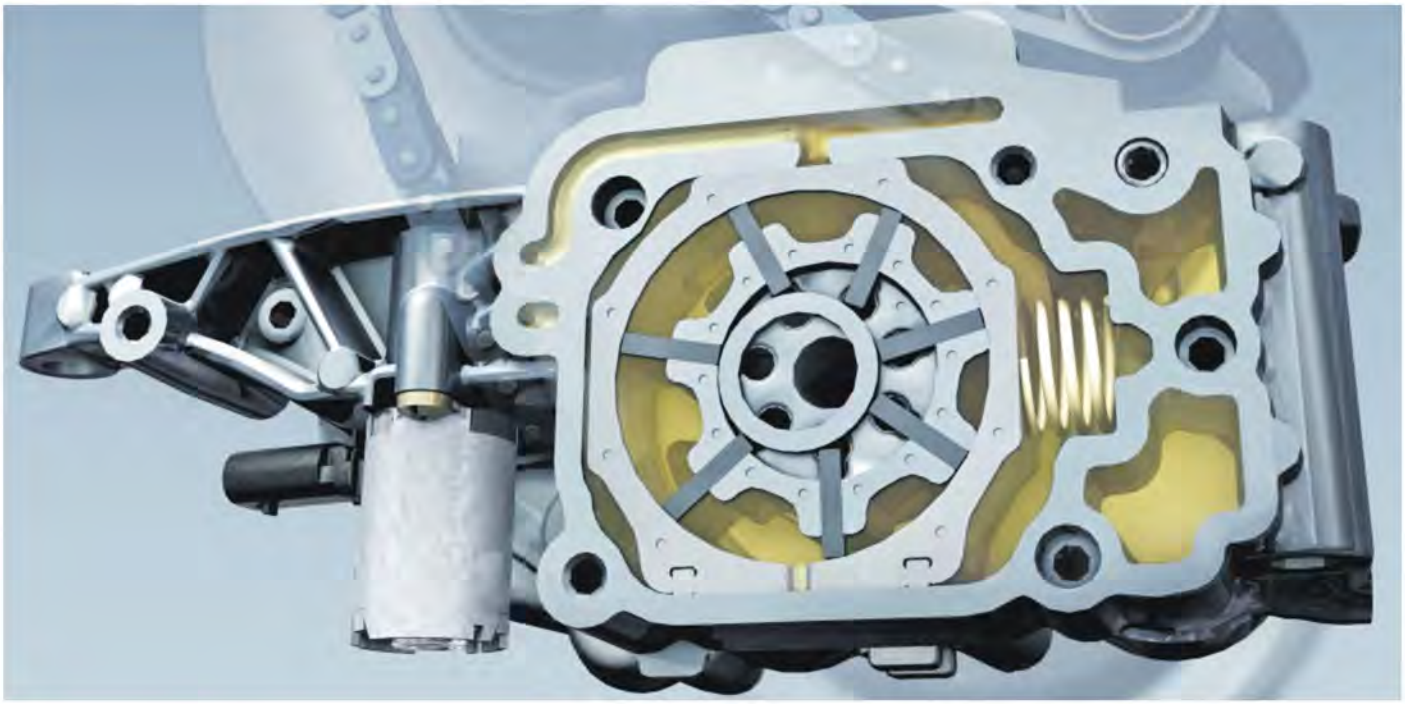


RING

APPLICATION: Automobile variable displacement vane pump, guiding and rotating with the vane, offering oil to the automotive engine.

ADVANTAGES: Adopt high quality bearing steel pipe as raw material, manufacturing process including: turning, heat treatment, grinding, burnishing nondestructive crack detection, have advantages of low roughness, high precision, low cost and high reliability.

Type No.	d	D	B
VR251925B	ϕ19.65	ϕ25.77	2.5
VR272220B	ϕ22.25	ϕ27.048	2.1
VR292325A	ϕ23.4	ϕ29.7	2.5
VR302427A	ϕ24.2	ϕ30.133	2.5
VR282422A	ϕ24.311	ϕ28.825	2.5
VR353027A	ϕ30	ϕ35.943	2.5
VR524614A	ϕ46.875	ϕ52.675	1.4
VR534815A	ϕ48.943	ϕ55.36	1.5
VR635722A	ϕ57.414	ϕ63.25	2.24
VR635722B	ϕ57.414	ϕ63.436	2.24
VR625822A	ϕ58	ϕ62.074	2.2
VR635922A	ϕ59.10	ϕ63.506	2.2



AIRBAG TUBE

APPLICATION: Applied on automobile side air curtain. The function is for storing high-pressure inert gas and explosive. When a car accident occur, the ignition coil spark explosive to explosion, the high pressure push away the end sealing plug of steel tube, full fill airbags in the second, protect body from harm.

PERFORMANCE: Tensile strength≥1000Mpa, yield strength≥896Mpa, ductility≥9%, compressive property≥133Mpa, make sure no brittle fracture happened even under 40℃. In any case, there are no crake happened on the steel pipeduring explosion of explosive.

ADVANTAGES:

XCC Group is the first company batch production automobile airbag steel pipe in China, the annual output of steel pipe is 6000 tons now. The main customer is Autoliv.

Automobile airbag steel pipe is produced process including punching, cold rolling, cold-drawing, induction hardening, tempering, straightening, crack detection etc. The long steel pipe line for induction hardening is designed by the company independent research and development, with a high degree of automation, implement the automotive operation, take out unqualified products automatically, with stable and reliability quality, win the unanimous favorable comments of customers.

DIMENSION

Series	Dimension
1	25X1.8mm
2	25X2.0mm
3	30X2.0mm
4	30X2.5mm
5	35X2.0mm
6	35X2.5mm

世界，因我转动而美丽……

The world becomes more beautiful in that we are rotating …

ZHEJIANG XCC GROUP CO.,LTD.

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