

QUANZHOU BULLTRACK MACHINERY CO.,LTD.

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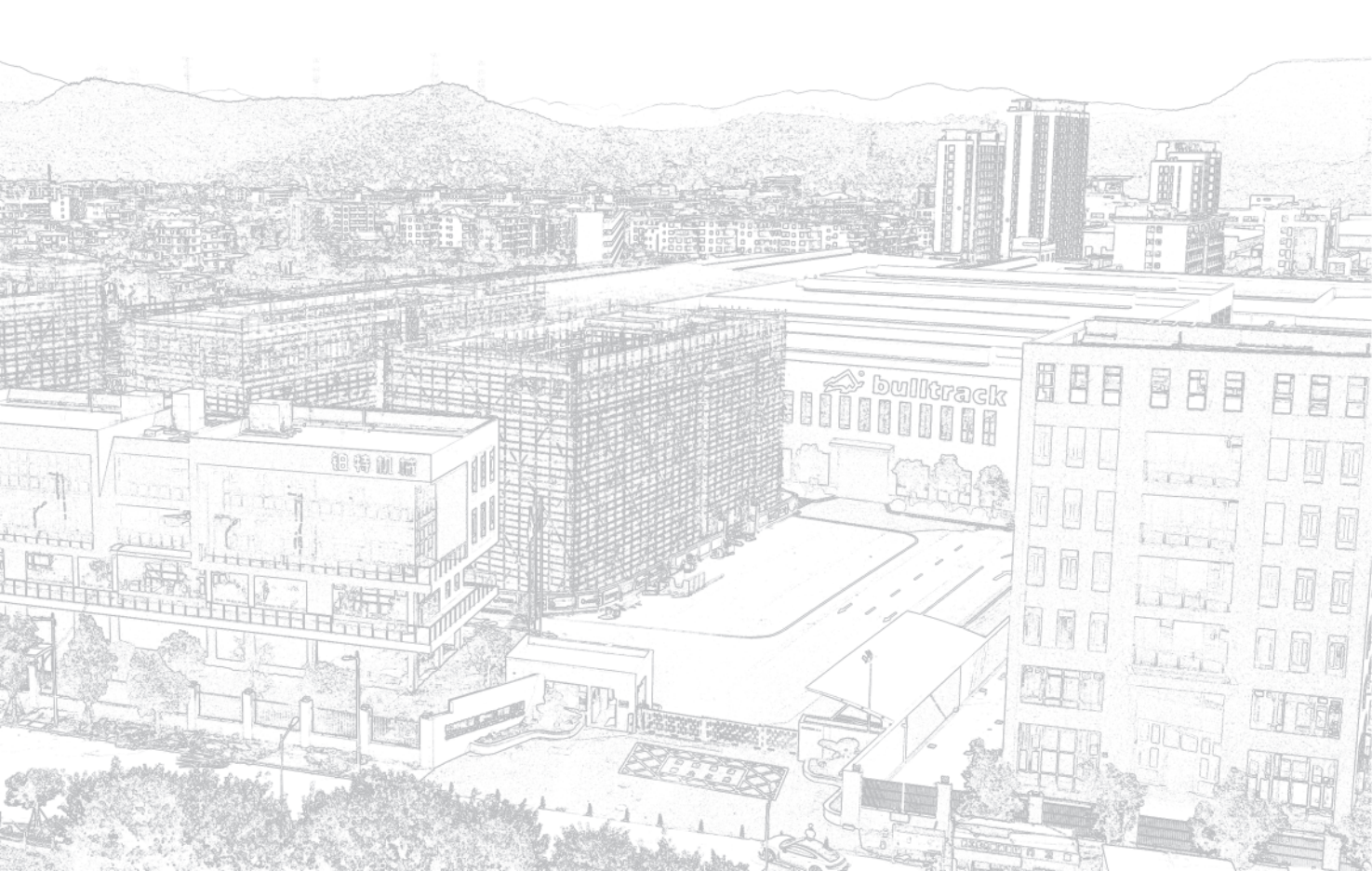
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HOSENDA®

BULLTRACK UNDERCARRIAGE PARTS



Genuine Alternative
Undercarriage for 6-40 Tonne Machines
www.hosenda.com

COMPANY PROFILE

卓越品质 开拓未来
Excellent Quality To
Open The Future

HOSENDA®

Since setting sail in 1996, HOSENDA Group has grown into a leading company in the auto parts trade and Undercarriage parts. The Group's three key subsidiaries—Quanzhou Hosenda Auto Parts Trade Co., Ltd., Fujian Hosenda Machine Manufacturing Co., Ltd., and Bulltrack Machinery (Quanzhou) Co., Ltd.—are driving forces that together shape a promising future. With a deep focus on manufacturing chassis components for engineering vehicles, the Group has centered its efforts on the Bulltrack brand, where every product is meticulously crafted to ensure widespread market recognition.

We are equipped with advanced processing machinery, totaling over 400 units, covering key processes such as forging, machining, and heat treatment, which ensures that product quality is consistently excellent and stable. At the same time, a 35,000-square-meter production facility, spread across three modern plants, is operated by HOSENDA Group, where strong support is provided for large-scale, high-efficiency production.



Guided by a global strategy, HOSENDA Group has established close trade partnerships with 35 countries and regions worldwide, with its products being exported overseas. What is even more noteworthy is that we have successfully set up brand-exclusive agents in five countries and regions, which has further strengthened our international market position and demonstrated our strong brand influence and market competitiveness.

HOSENDA Group has always adhered to the business philosophy of "Quality First, Customer Foremost," thus winning the trust and support of a wide range of clients due to our excellent technology, outstanding products, and high-quality services. We will continue to work hand in hand with our customers to create a better future together.



01/02

Undercarriage Parts



链轨总成 TRACK LINK



Pin&Bushings
With High Surface
Hardness And Deep
链通内外热处理



Various grease type chains with a pitch of 101.6-228.6mm are suitable for crawler machinery such as excavators, bulldozers, and pavers.

The chain rail joints and pins are forged from high-quality steel, and the shaft sleeves undergo special heat treatment to obtain high surface hardness and deep hardening layer, with excellent wear resistance and extended service life.

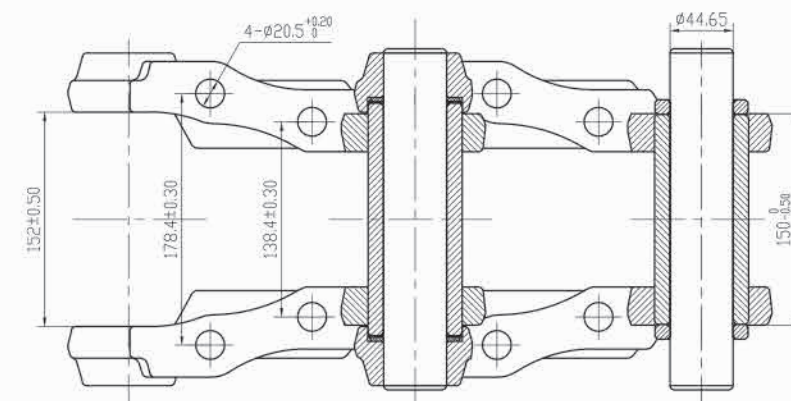
节距为101.6-228.6mm的各种油脂式链条，适配于各类挖掘机，推土机和摊铺机等履带式机械设备。

使用优质钢材锻造的链轨节及销子，轴套经特殊热处理后，获得高表面硬度与深硬化层，耐磨性能卓越，使用寿命延长。

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03/04
Undercarriage Parts



TRACK SHOE
链板



TRACK LINK
链轨



支重轮 TRACK ROLLER

达300多种规格的单边，双边和内边支重轮，托链轮可满足各类挖掘机和其他履带式机械的配置需求。使用优质钢材制造的轮体，经过锻造，金属晶粒得到细化，形成分布合理并且符合轮子受力特点的锻造流线，产品的机械性能得到大幅度提高。

轮体采用整体加热表面高压喷水冷却的淬火工艺，提高内部机械性能保证其在冲击载荷下不变形，同时所获得的高表面硬度和深硬化层确保产品使用寿命的延长。

使用优质钢材所制成的轴，经过调质和表面感应淬火，进一步提高耐磨性和承载能力。



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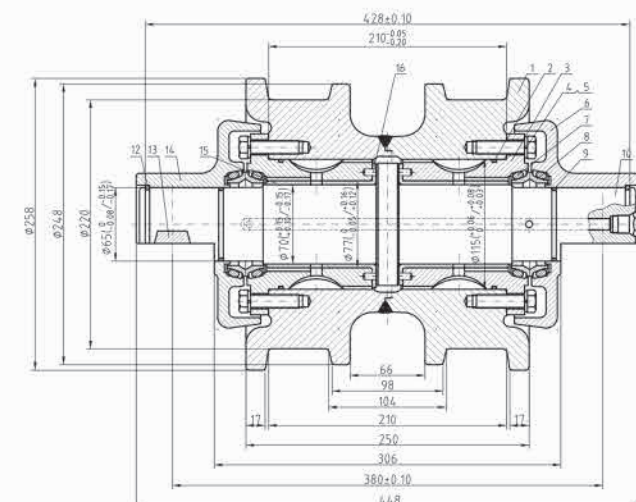
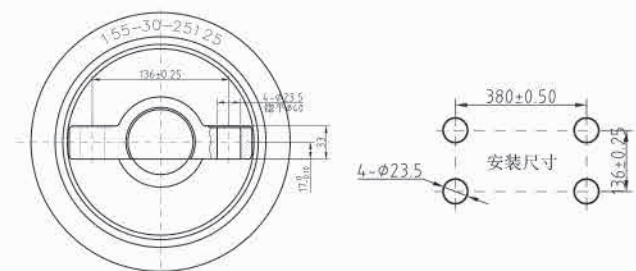
05/06

Undercarriage Parts



More than 300 configurations of single flange, double flange and inner flange rollers suitable for excavators, bulldozers and track-type machines. Forged roller shell made of quality steel refines metal gains to form forge flow line with reasonable distribution as stress characteristic.

Heat-treatment, which is integrate heating and surface spray cooling under high pressure, to improve internal mechanical properties to prevent deformation under heavy load, meanwhile high surface hardness and deep harden depth result in longer life. Heat-treated and induction hardened shaft made of quality steel to guarantee resistance to wear and heavy load.





07/08
Undercarriage Parts

托链轮 TOP ROLLER

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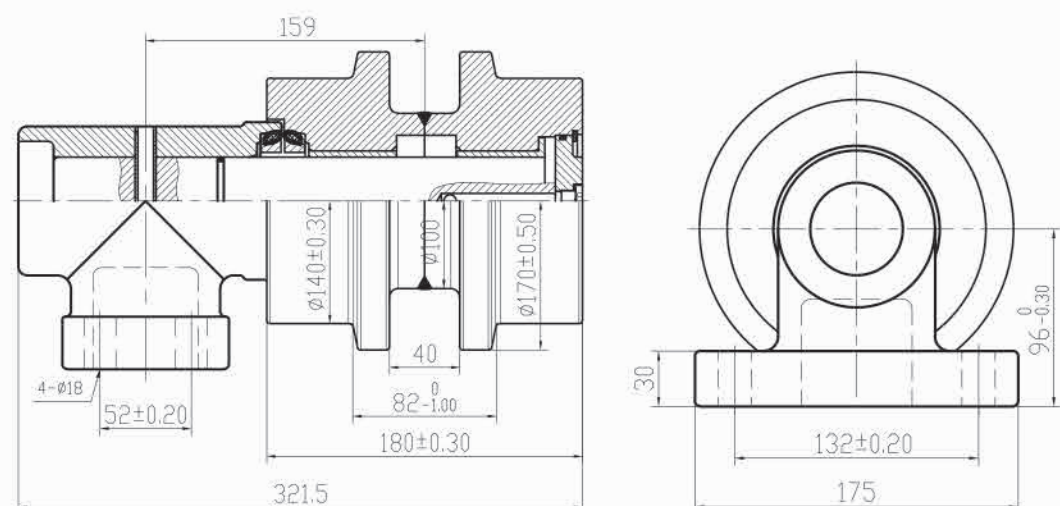
达300多种规格的单边，双边和内边支重轮，托链轮可满足各类挖掘机和其他履带式机械的配置需求。使用优质钢材制造的轮体经过锻造，金属晶粒得到细化，形成分布合理并且符合轮子受力特点的锻造流线，产品的机械性能得到大幅度提高。

轮体采用整体加热表面高压喷水冷却的淬火工艺，提高内部机械性能保证其在冲击载荷下不变形，同时所获得的高表面硬度和深硬化层确保产品使用寿命的延长。

使用优质钢材所制成的轴，经过调质和表面感应淬火，进一步提高耐磨性和承载能力。

More than 300 configurations of single flange, double flange and inner flange rollers suitable for excavators, bulldozers and track-type machines. Forged roller shell made of quality steel refines metal gains to form forge flow line with reasonable distribution as stress characteristic.

Heat-treatment, which is integrate heating and surface spray cooling under high pressure, to improve internal mechanical properties to prevent deformation under heavy load, meanwhile high surface hardness and deep harden depth result in longer life. Heat-treated and induction hardened shaft made of quality steel to guarantee resistance to wear and heavy load.

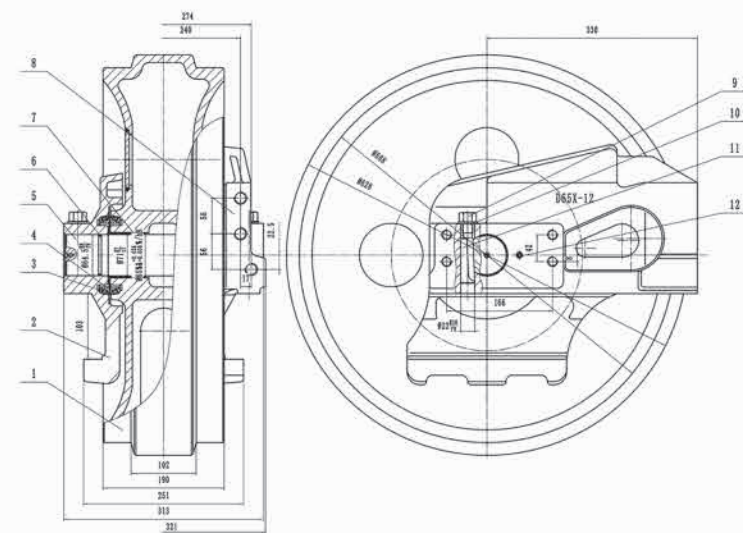


引导轮 FRONT IDLER

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达200多种尺寸规格可满足70吨及以下的挖掘和其他履带式机械的配置需求。可视化铸造技术的应用避免轮体存在铸造缺陷，提高机械性能。采用自主研发材料所生产的轮体经感应淬火后，抗负载性能和使用寿命都得到大幅度提高。

使用优质钢材所制成的轴，经过调质和表面感应淬火，进一步提高耐磨性和抗疲劳性。优化结构设计，使产品运行更平稳可靠，延长使用寿命。



More than 200 configurations suitable for excavators, mini-bulldozers and track-type machines ranging 70tons and less Visible casting technology applications to prevent casting defective and improve mechanical property. Induction hardened roller shell made from independent researched material to guarantee resistance to heavy load resulting in longer life.

Heat-treated and surface induction hardened shaft made of quality steel to improve resistance to wear and fatigue. Optimized design to improve stability, resulting in longer life



09/10
Undercarriage Parts



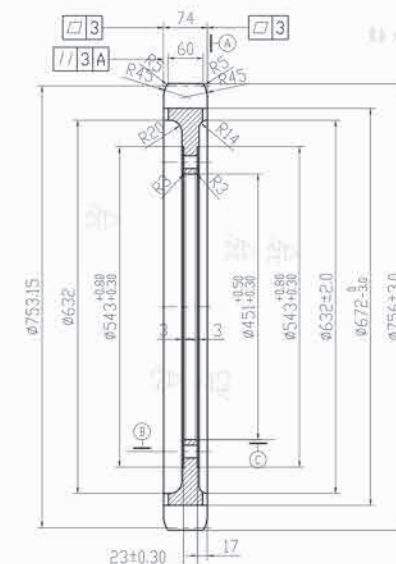
驱动齿圈 SPROCKET

适配于各类挖掘机、推土机和其他类型的履带式机械。各种焊接型、齿块型、轮毂型和螺栓锁定型铸造驱动轮规格达300多种。采用可视化铸造技术，通过优化结构设计减少应力集中，避免产品存在铸造缺陷。自主研发的高性能材料与特殊热处理工艺的完美结合使产品具备最佳的硬度和有效的硬化深度，确保产品超强的耐磨性能，提高使用寿命。



11/12
Undercarriage Parts

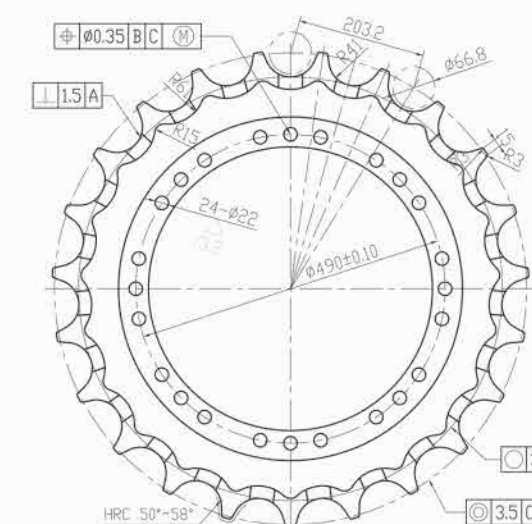
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Sprocket suitable for excavators, bulldozers and track-type machines. More than 300 configurations of weld-on, segmented, hub and bolt-on sprockets.

Visible casting technology and optimized structure design to reduce stress concentration and prevent casting defective.

Independent researched material and special heat-treatment to guarantee proper hardness and effective harden depth, resulting in excellent wear resistance for longer life.



斗轴套

BUCKET BUSHING



13/14
Undercarriage Parts

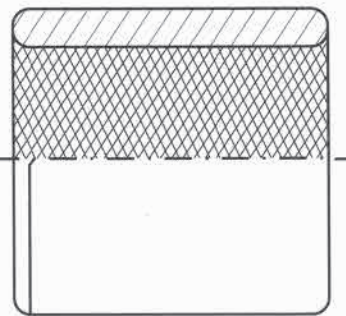


Structural characteristics and applications
结构特性及用途

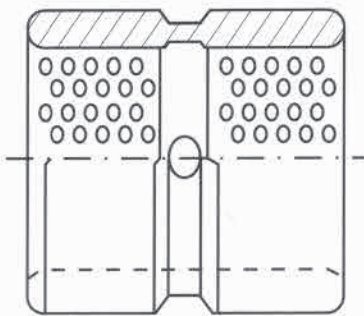
该产品以42CrMo为基本，在轴承内表面加工十字网状油槽，圆形或椭圆形油穴，经调质处理后，再经金属盐浴(QPQ)表面处理后，具有极好的抗腐蚀能力。广泛用于工程机械领域。

This product based on 42CrMo. The crossed oil groove,round and elliptical oil socket are produced by some machine equipments on the inner surface of the bush. After quenched and treatmented, these products are treated by metal salt bath (QPQ) . Therefore ,the bearings have very good anti-corrosion ability, and are used in engineering machinery.

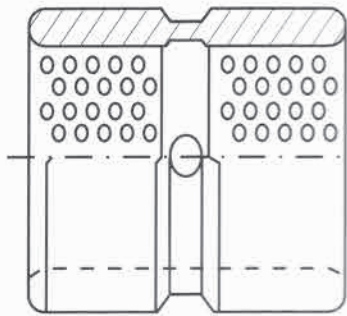
Typcial Oil Groove Format
典型油槽形式



网状 | Rericular



圆形 | Round



椭圆形 | Elliptical shape

Product Available
可供产品

非标产品，根据客户的要求订购。
Non-standard products can be provided
by customer's requirement

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Chemical Compositions
化学成分

代号/Product NO.	化学成分/Chemical Compositions				
AK40CR	C	Si	Mn	P	S
	0.38 ~ 0.45	0.17 ~ 0.37	0.5 ~ 0.8	0.15 ~ 0.25	0.9 ~ 1.2

Physical and Mechanical Performance
物理机械性能

性能指标/Performance Index		有关数据/Data
表面硬度/Hardness	HV	≥600
最高承载力/Max Load	N/mm²	100
最高线速度/Max Linea	Velocity	m/s 0.5

性能指标/Performance Index		有关数据/Data
最高PV值/Max PV Value	N/mm²,m/s	1.5
使用温度范围/Working Temperature Limit	℃	-100~+250
线膨胀系数/Linea Expansion Coefficient	10-5/℃	1.1