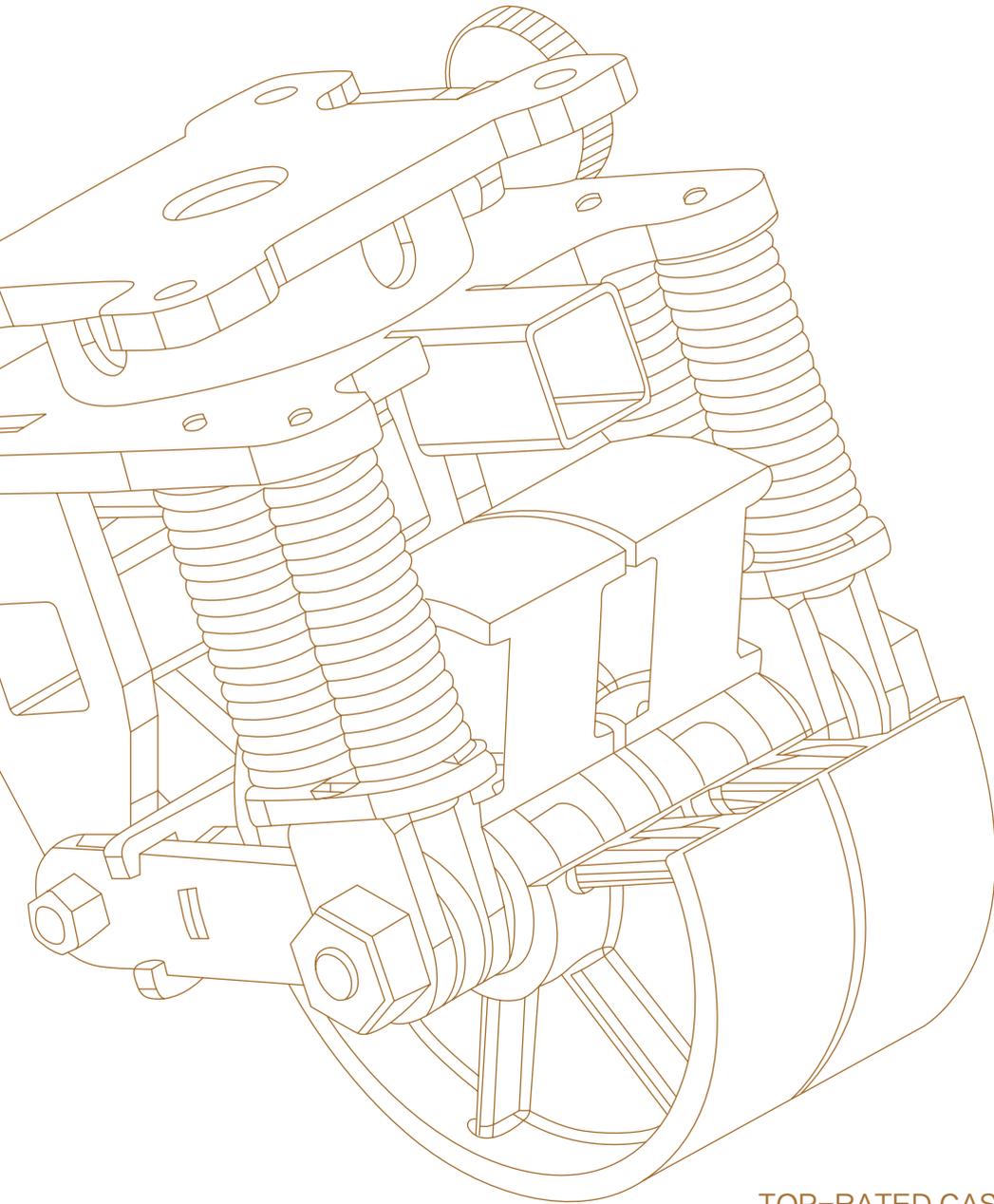




**重力脚轮**  
**GRAVITY CASTER**

*Gravity Keep Dreams Rolling*  
重力让梦想前行

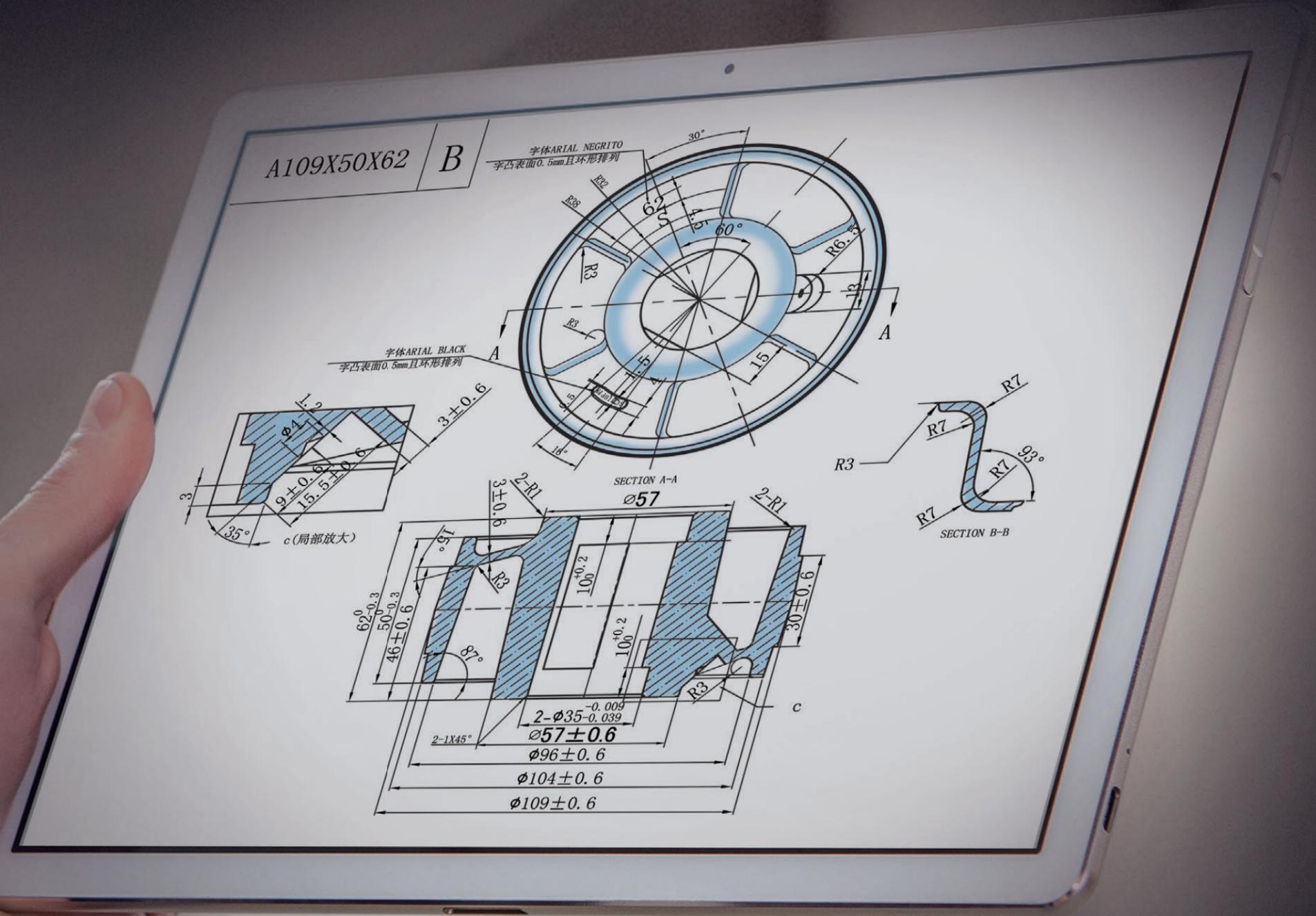


好脚轮 重力造  
高强度 不脱胶

TOP-RATED CASTERS MADE BY GRAVITY  
HIGH STRENGTH FIRMLY BONDED

**CASTERS+WHEELS**

[www.gravitycasters.com](http://www.gravitycasters.com)



# WHAT MAKES GRAVITY? 什么是重力制造?

gravity / 重力  
|'grævətɪl|

noun  
名词

重力脚轮秉持着如重力般稳定的发展理念，脚踏实地，凝心聚力，开拓创新，重诚心，重品质，重专业，竭尽全力地做好每一只轮子。  
(abbr. g) the force that attracts objects in space towards each other, and that on the earth pulls them towards the centre of the planet, so that things fall to the ground when they are dropped Newton's law of gravity.

我们一直在进步，  
从未止步！

NOT JUST TO BE GOOD,  
BUT TO BE GREATER

## 目录 INDEX

001-023 / 引言 Introduction

024-041 / 单轮和脚轮指南 Wheels and Casters Guide

042-081 / 新兴领域应用 Applications in New Fields

082-099 / 聚氨酯轮 Polyurethane Wheels

100-106 / 橡胶轮 Rubber Wheels

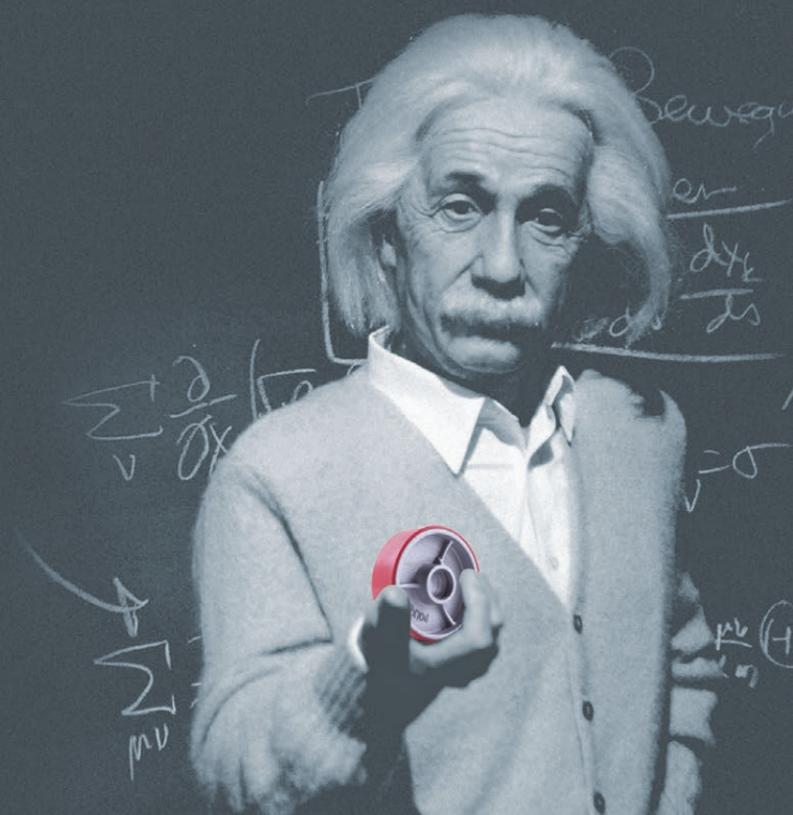
107-110 / 驱动轮 Drive Wheels

111-114 / 尼龙轮 Nylon Wheels

115-117 / 注塑聚氨酯轮 Injection Polyurethane Wheels

118-123 / 铸铁轮 Cast Iron Wheels

124-139 / 脚轮 Casters



## ON THE ROAD: GRAVITY IS PROGRESSING

Gravity Caster, is also well known as NingBo Best Polyurethane Co., Ltd, is now located in Tonglu, Hangzhou, The mother company, NingBo Best Polyurethane, was founded in 1989, which became one of the leading manufacturers of wheels & casters for every field of application. In the material handling industry, it is famous both in domestic and abroad for its focus on manufacturing ultra-heavy and wear-resistant polyurethane wheels. In recent years, our company has specialized in design and manufacturer of heavy duty

wheels and casters, so we gladly introduced Gravity Caster to the public in 2016 with 70,000 square meters new facilities and more than 200 well-trained employees. Gravity is moved by only one goal: Keep Dreams Rolling. For this company philosophy Gravity manufactures everything from scratch to ensure meeting different customers' quality standards, as to continually guarantee the high well as a completing control on delivery dates. All of these allow us to continually guarantee the high Gravity quality standard.

## 重力始终在前行的路上

杭州重力脚轮位于杭州市桐庐县，原宁波贝斯特聚氨酯有限公司，成立于1989年，是中国脚轮行业领先的制造商之一，产品覆盖各行业领域的轮子及脚轮，特别在物料搬运行业，以专注制造超重型及耐磨型的聚氨酯轮而知名。

近年来，我们公司专注于设计和生产重型轮子和脚轮，不断发展壮大。在2016年筹建了杭州重力脚轮科技有限公司，目前拥有70000平方米的新厂房和200多名训练有素的员工。重力脚轮始终坚持一个目标：让梦想前行。为了践行这一理念，重力始终坚持以产品为本，从源头控制产品质量，以确保满足不同客户的质量标准，并严格把控交货期限。严格的自我要求，使我们能够持续保证重力的高质量标准。





1989 → 1993 → 1998 → 2000 → 2003 → 2008 → 2012 → 2014 → 2024



公司创始人李和安先生早年创业时期  
CEO Mr. Hean in early years of start up



宁波海安第一家正式工厂成立  
Haian Polyurethane plant (First phase in Ningbo, China)



1998 年产品系列  
The Catalog



2000 年首次进军国际市场  
Mr. Hean entered the international market



2003 年宁波贝斯特聚氨酯有限公司成立  
Best Polyurethane plant (Second phase in Ningbo, China)



2008 年新里程  
The Catalog



2012 年新里程  
The Catalog



2014 年杭州重力脚轮工厂成立  
Gravity Caster plant (Hangzhou, China)



2024 年新产品系列  
The Catalog



## 成功是基于 生产和质量精细化管理

THE SUCCESS IS  
BASED ON IN-HOUSE  
PRODUCTION AND  
QUALITY MANAGEMENT

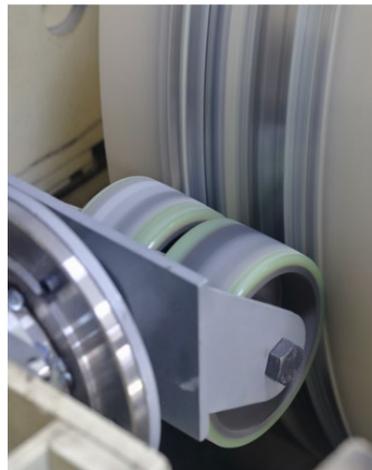
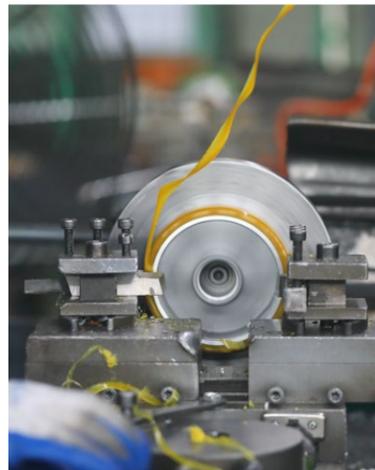
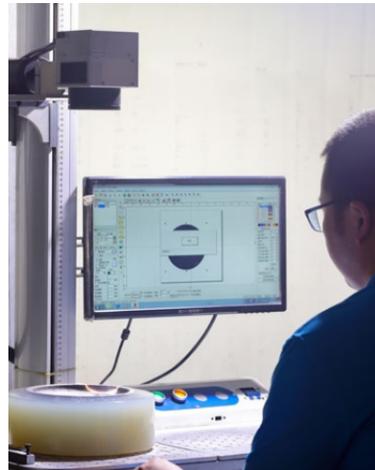
重力高质量的轮子和脚轮销往 50 多个国家和地区，品质也在各种复杂的环境中成功得到验证。为了引领市场，我们制定了高标准来满足客户的期望。我司产品从原料到成品都在自己工厂生产，包括一条新的全自动铸铁铸造线。

因此，我们可以完全控制质量和交货日期。灵活地适应客户和市场需求，将传统的质量与现代的外观相结合是我们业务的基础。同时，我们制定了对应的质量政策来确保产品的使用寿命和免维护。

Gravity wheels and casters stand for high quality in more than 50 countries and have been proved successfully in different kinds of complicated conditions. In order to lead the market, we set high standards to meet customers' expectation. Gravity manufactures everything from beginning till the end in our Hangzhou facility, including a new fully automatic foundry line for cast iron. As a result, we have completely control on quality and delivery dates. Being flexible to customers and market requirements, combining traditional quality with modern looking is the foundation of our business. At the same time, Gravity has a consistent quality policy for long-life, maintenance-free products.

# 从生产到创新，我们 始终坚持环保节能可持续发展面向未来

FROM PRODUCTION TO INNOVATION;  
ENVIRONMENTAL AND  
ENERGY MANAGEMENT IS OUR FUTURE



重力公司认为，质量始于选择一流的原材料，并通过创新的制造工艺和严格的质量控制不断提升。我们坚信高水平的创新、研发工作可以满足不断变化的世界需求。重力公司的特色之一是其独特的外观，因为我们非常重视面向未来的产品设计。创新是我们的核心业务，重力理念告诉我们，只有能够迅速响应不同客户需求才能在行业中生存。此外，我们可以定制设计脚轮以满足您的精确需求。

在重力，创新贯穿我们的一切工作，这也包括我们对保护自然环境的承诺。我们相信地球值得我们做得最好。因此，我们不断努力创造解决环境保护的挑战方案——无论是改进我们的环保流程、开发环保产品、在生产过程中谨慎使用资源和再生能源，还是提高员工对环保行为的意识。

At Gravity, quality begins with the selection of first-class raw materials and continues with the innovative manufacturing processes and diligent quality control. We believe in high level of innovation, research and development to meet constantly changing world. One of the characteristic of Gravity caster is its unique appearance since we place great value on future-oriented product design. Innovation is our business, Gravity philosophy tells that only companies that are able to quickly react to different customers' requirement can survive in the industry. In addition, casters and wheels can be custom-engineered to meet your exact specifications. Innovation is at the heart of everything we do at Gravity, and that extends to our commitment to protect the natural environment for the future. We believe our planet deserves our best doing. So we're constantly striving to work out the solutions to important environmental challenges—whether an improvement on our processes regarding to environmental friendliness, the development of environmentally friendly products, the careful use of resources and regenerative energies in the production process, and a raising employees' awareness for environmentally conscious behavior.

## 重力团队 每位员工都是合作伙伴

A TEAM  
ALL MEMBERS ARE  
PARTNERS



### 团队，所有成员都是合作伙伴

除了质量和服 务，重力脚轮以雇佣优秀员工、培养员工并与公司共同成长而享有卓越声誉。每位员工都是重力脚轮的合作伙伴，我们正在建立公司与员工之间的强大合作伙伴关系。我们的合作伙伴承担责任并接受定期培训以获取先进知识。团结的团队是无价的；每个团队成员都是我们的财富。

高质量且目标一致的团队让我们拥有了一种独特的特征：信任。信任是与所有客户进行富有成效且长期合作的基础。

### A Team: All Members Are Partners

In addition to the quality and service, Gravity has an excellent reputation for employing good people, educating them and grow up together with the company. Each employee is Gravity's partner since we are building a strong partnership between the company and its people. Our partners accept responsibility and take regular training to get advance knowledge. A united team is priceless; each team member is our wealth.

The high and consistent quality of our team results in a particular feature: trust. Trust is the basis of fruitful and long-term co-operation with all our customers.

脚轮质量七大测试标准  
SEVEN TESTING STANDARDS FOR  
THE QUALITY OF CASTERS



好脚轮  
重力造  
高强度  
不脱胶

Top-Rated Casters  
Made By Gravity  
High Strength  
Firmly Bonded

世界品质 浙江制造

# CORPORATE HONORS

## 荣誉资质



### 35 年生产工艺经验积累

23 项发明专利

25 项实用新型专利

1 项外观设计专利

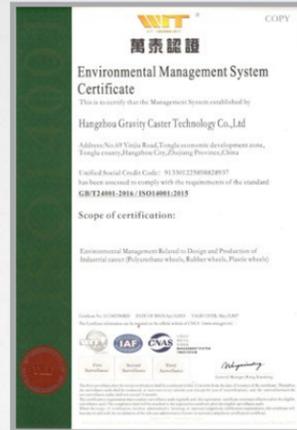
### 35 YEARS OF EXPERIENCE IN PRODUCTION TECHNOLOGY

23 Invention patents

25 Utility model patents

1 Design patent.





# 通过认证

ROHS  
PAHS  
REACH  
PFAS

Report No.: TR20153317 Date: Aug. 27, 2015  
Page 1 / 5

**CIRS | C&K**  
C&K Testing

### Test Report

<b>Applicant</b>	Ningbo Best Polyurethane Co., Ltd.
<b>Address</b>	No. 2 Bridge Industry Zone, Dongguang, Jiangshan, Ningbo, Zhejiang, China
<b>Sample Name</b>	Wheels
<b>Sample Received Date</b>	Aug. 24, 2015
<b>Test Period</b>	Aug. 24, 2015 - Aug. 27, 2015
<b>Test Requirement</b>	According to AIPS GS 2014-01 PAK, the Limit of PAHs must comply with the next page

Test Item(s)	Test Result(s)
PAHs Content	See Test Result(s)

Report No.: TS18081299 Date: 2018-08-27  
Page 1 / 4

**CIRS | C&K**  
C&K Testing

### Test Report

Report No.: TS18081299

Hangzhou Gravity Casters Technology Co., Ltd.  
Applicant  
Ltd.  
No.69 Yingjia Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou City, Zhejiang Province, China  
Address  
2018-08-27  
Report Date

Inspected by Yoko Ye Inspected by Kate Zhang Authorized by Mark Li  
Mark Li Lab Manager

Hangzhou C&K Testing Technic Co., Ltd.  
Add: 1/F No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China  
Lab Add: 4/F No.3 and 1/F No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China  
Hotline: 4006-721-723 Tel: +86 571-8720-6535 Fax: +86 571-8990-0719 E-mail: test@cirs-group.com Website: www.cirs-ck.com

**CIRS**

### Test Report

Report No.: TS24040252

Hangzhou Gravity Casters Technology Co., Ltd.  
Applicant  
No.69 Yingjia Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou City, Zhejiang Province, China  
Address  
2024-04-11  
Report Date

Hangzhou C&K Testing Technic Co., Ltd.

Hangzhou C&K Testing Technic Co., Ltd.  
Add: 1/F No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China  
Lab Add: 4/F No.3 and 1/F No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China  
Hotline: 4006-721-723 Tel: +86 571-8720-6535 Fax: +86 571-8990-0719 E-mail: test@cirs-group.com Website: www.cirs-ck.com

**CIRS**

### Test Report

Report No.: TS24040256

Hangzhou Gravity Casters Technology Co., Ltd.  
Applicant  
No.69 Yingjia Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou City, Zhejiang Province, China  
Address  
2024-04-09  
Report Date

Hangzhou C&K Testing Technic Co., Ltd.

Hangzhou C&K Testing Technic Co., Ltd.  
Add: 1/F No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China  
Lab Add: 4/F No.3 and 1/F No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China  
Hotline: 4006-721-723 Tel: +86 571-8720-6535 Fax: +86 571-8990-0719 E-mail: test@cirs-group.com Website: www.cirs-ck.com



## 专注聚氨酯技术，满足客户定制需求

EXPERTISE IN POLYURETHANE:  
ALWAYS BE WITH OUR CUSTOMERS

硬度、粘附力、承载能力、耐磨性、回弹性、抗水解性和滚动阻力都是影响最终聚氨酯产品质量的决定性因素。为了获得适用于各种应用的完美聚氨酯轮胎，重力公司开发了不同类型的聚氨酯，以满足所有客户的需求。超过 35 年的经验和大量的研究以及开发投入使重力公司成为聚氨酯轮和脚轮的专家。此外，所有聚氨酯轮胎都可以根据客户需求定制特殊颜色，同时，重力还制定了持续的质量政策，确保生产出寿命长、免维护的产品。我们的实验室配备了多种测试设备，包括旋转试验台用于进行寿命测试、材料测试机用于确定材料性质、粘附力测试设备以及气候暴露测试箱。重力产品的质量是其成功故事的背后支撑。

Hardness, adhesion, load capacity, abrasion resistance, rebound resilience, hydrolysis resistance and rolling resistance are all the decisive factors that influence the quality of final polyurethane products. In order to have the perfect polyurethane treads for various kinds of applications, Gravity has developed different types of polyurethane to meet all customer requirements. Over 35-year experiences and a massive input on research and development has made Gravity an expert in polyurethane wheels and casters. In addition, all polyurethane treads can be customized in special colors according to customer need.

At the same time, Gravity has a consistent quality policy for long-life, maintenance-free products. Multiple testing equipment are used in our laboratory including the rotary test bench to carry out lifespan test, the material test machine to determine the material properties, the adhesive force testing equipment as well as the climate exposure test cabinet. The quality of our products is behind the success story of Gravity.



REDEFINE “MADE IN CHINA”  
GRAVITY PRODUCE, WORLD  
CLASS QUALITY



在中国工业面临的最棘手问题是如何摆脱“中国低质量产品”的标签，过去，这一标签让我们只能为他人代加工产品。为了改变世界对中国工艺的看法，我们通过网络完善质量管理体系，始终保持高水平的创新以及建立重力脚轮的品牌可信度来实现这一目标。那么，我们要如何打破负面评价呢？高品质始终在我们的经营中占据首位，同时保持价格合理。重力脚轮产品的广泛应用几乎覆盖了全球所有的行业，并且即使在恶劣环境中也能展现出卓越的性能。无论何时何地，只要您需要，我们一直都在。

Among the most tangled challenges facing industrial China is how to leave behind the “Made in China” label, which has seen the country simply build things for others. By overseeing our quality control, keeping a high level of innovation as well as building Gravity trust, we want to change your perception of Chinese workmanship. How do we break down the negative judgment? High quality always comes to the No.1 position in our business, and we keep price reasonable.

Gravity wheels and casters are used in nearly every industry throughout the world and have proven themselves with outstanding performance in tough environments. Wherever you need us, we are already there.

**出海计划**

OVERSEAS PLAN

**技术传承**

TECHNOLOGY INHERITANCE

**原班人马**

THE ORIGINAL TEAM

我们是一家专注于高品质脚轮制造的企业，致力于为全球市场提供优质产品。随着国际业务的发展，我们的出海计划主要聚焦于欧美市场和印尼本土市场。

**全自动 PU 浇注流水线**

提高生产效率，确保产品质量稳定。

**数控 CNC 加工**

实现精确加工，为客户提供定制化解决方案。

**轮架及脚轮装配线**

高效组装，满足不同客户需求。

印尼作为新的生产基地，原产地证书以及先进设备，使我们的产品在出口欧美市场时能够迅速响应市场变化，具备了更多的灵活性与便利性。这进一步提升了我们的国际竞争力，同时也为客户提供了更好的服务以及更多的产品选择。

when exporting from China to the European and American markets, and we will have more flexibility and choices. This further enhances our international competitiveness, while also providing customers with better services and good quality products.



**GRAVITY CASTER**

**JYT CASTER**

We are a company dedicated to manufacturing high-quality casters, committed to providing premium products for the global market. With the development of international business, our overseas plans mainly focus on the European and American markets as well as the domestic market in Indonesia.

Fully automatic PU pouring assembly line

CNC machining

Wheel frame and caster assembly line

Indonesia is a new production plant, with certificates of origin and advanced equipment, which enables us to act quickly if there are any changes due to tariff



**共生长 创未来**

CO GROWTH / CREATING THE FUTURE

我公司致力于构建一个公平、透明、可持续的供应链体系，多年来在生产过程中遵循国际公认的道德贸易标准。为了进一步向全球买家展示我们的品牌形象，信任度及社会责任感，我们进行了 Sedex 认证。

Our company is committed to building a fair, transparent and sustainable supply chain system, and has followed internationally recognized ethical trade standards in the production process for many years. In order to further demonstrate our brand image, trust and social responsibility to global buyers, we have obtained Sedex certification.



Sedex 认证是一种社会责任审核，旨在帮助公司确保其供应链中的劳工权利、安全、健康、环境和商业道德问题得到有效管理和控制。我公司已在 2024 年通过了 Sedex-4P 认证，该认证涵盖了四个关键领域：劳工权利、健康和环境、安全和商业道德。我们承诺将在全球范围内展示其社会责任并展开行动。

Sedex certification is a type of social responsibility audit aimed at helping companies ensure effective management and control of labor rights, safety, health, environmental, and business ethics issues in their supply chains. Our company has passed Sedex-4P certification in 2024, which covers four key areas: labor rights, health and safety, environment, and business ethics. We commit to showcasing our social responsibility and taking actions worldwide.

## 材料名称及性能简介 MATERIAL NAME AND PERFORMANCE PROFILE

### ● Prothane®

**性能:** 耐水解、耐低温性好, 原料不易吸水, 工艺简单, 价格低。但不耐热且力学性能和弹性较差。不适合用于叉车, 适合普通脚轮, 东南亚地区好用。

Pro 有专业的意思, Prothane 是我们最普通也是产量最大的一种脚轮材料。相对应的预聚体牌号有 P121、P122。

**Performance:** It has the advantages of good hydrolysis resistance, low temperature resistance, easy water absorption of raw materials, simple process and low price. But not heat resistant, mechanical properties and elasticity are not good. Not suitable for forklift truck, suitable for casters, applicable to Southeast Asia.

Pro means "professional". Prothane is our most popular and most productive material. The number of prepolymer is P121, P122.

### ● Toughthane®

**性能:** 具有耐磨、耐热、耐油和力学性能高等优点, 弹性高于 Prothane, 但耐水性和耐低温性较差。适用于轻型叉车和电动搬运车。

Tough 有坚强的意思, 表示 Toughthane 是一种高强度的材料。相对应的预聚体牌号有 P221、P222。

**Performance:** It has the advantages of wear resistance, heat resistance, oil resistance and mechanical properties. The elasticity is higher than Prothane, but the water resistance and low temperature resistance are not good. Suitable for light forklift truck and electric truck.

Tough means "toughness", which means that Toughthane is a high strength material. The number of prepolymer is P221, P222.

### ● Elaxthane®

**性能:** 具有较高模量和强度, 优异的回弹性、耐水解、耐磨、耐霉菌、耐油性、动态力学性能、电绝缘性能和低温柔顺性等性能, 但是耐热性较差。适用于较为不平整的地面工作环境。

Elax=Elastic, 是弹性极好的意思。相对应的预聚体牌号有 E321。

**Performance:** Elaxthane has very high modulus and strength, offer excellent resilience, great abrasion resistance, mildew resistance, oil resistance, dynamic mechanical properties, electrical insulation properties and low temperature flexibility. But the heat resistance is not good. It is suitable for uneven ground work enviroment.

### ● Maxthane®

**性能:** 具有较高的拉伸强度、低温柔韧性, 极好的弹性、耐水解性和耐候性, 优良的耐撕裂和耐磨性、高温黏附性, 耐烃类溶剂和耐化学品性能, 比普通聚酯耐热性更好, 压缩永久变形更低。

Max 是最大限度的意思, Maxthane 是我们采用的综合性能最好的一种材料。相对应的预聚体牌号有 M421。

**Performance:** Maxthane has very high tensile strength, low temperature flexibility, excellent elasticity, hydrolysis resistance, weatherresistance, excellent tear resistance and abrasion resistance, high temperature adhesion, solvent resistance and other chemical properties. It is better than Tongthane's heat resistance, The proportion of deformation by Compressed permanent is lower than other.

MAX means maxmium. Maxthane is one of the best material with comprehensive performance. The pre-polymer grade used is M421.

### ● Gravollan®

**性能:** 具有极好的动态特性、耐磨性、阻尼小、回弹性高、内生热少, 寿命长。

Gravity 是重力的意思, 取 gra 前缀, Gravollan 是重力研发具有极致性能的材料。相对应的预聚体牌号有 G521。

**Performance:** Excellent mechanical property, High wear resistant, Lightly damped, High resilience, Less endogenous heat, Long life.

"Gravity" means the force of attraction between two masses. Taking the prefix "gra" "Gravollan" refers to a material with ultimate performance which is developed by gravity team. G521 is the Prepolymer trademark of Garvollan.

	标准 Standard	Prothane		Toughthane		Elaxthane	Maxthane	Gravollan
预聚体牌号 Prepolymer trademark		P121	P122	T221	T222	E321	M421	G521
邵氏硬度 Shore hardness	GB/T2411-2008	93±3A	62±3D	93±3A	93±3A	93±3A	93±3A	93±3A
回弹性 Rebound resilience	GB/T1681-2009	20~25%	40~45%	30~35%	30~35%	45~55%	55~65%	55~65%
拉伸强度 Tensile strength	GB/T528-2009	30~35 Mpa	30~35 Mpa	40~45 Mpa	40~45 Mpa	30~35 Mpa	35~40 Mpa	35~40 Mpa
断裂伸长率 Elongation at break	GB/T528-2009	400~600%	250~400%	400~600%	400~600%	500~700%	500~700%	500~700%
撕裂强度 Tearing strength	GB/T529-2008	75~85 N/mm	110~120 N/mm	100~110 N/mm	100~110 N/mm	85~95 N/mm	105~115 N/mm	105~115 N/mm
耐压缩永久变形 Compression set resistant		0	++	+	+	++	++	++
耐水解性 Hydrolysis resistance		+	+	0	0	+	+	+
耐油性 Oil resistance		0	0	++	++	++	++	++
抗紫外线、辐射 Anti-UV		0	0	+	+	+	+	++
动态负载能力 The dynamic load capacity		0	0	+	+	+	++	++
耐切割和撕裂 Cut and tear resistant		+	+	++	++	+	++	++
高速适用性 High speed applicability		0	0	+	+	+	++	++
耐磨性 Abrasive resistance		+	+	++	++	++	++	++

注: ++非常好 +好 0一般 Remark: ++Excellent +Good 0 Common

## Prothane®

Prothane 具有良好的低温柔顺性、耐水解性能, 虽然力学性能较差, 但原料体系黏度低, 易于与多异氰酸酯助剂等组份互溶, 加工性能优良, 价格上也有很大的优势。

Prothane 制成的脚轮不适合用于不平整路面, 也不适用叉车轮。一般适用于普通脚轮, 特别是户外潮湿环境, 东南亚地区好用, 推荐使用牌号为 P121 的预聚体。而牌号为 P122 的预聚体一般用于生产硬度高于 60D 的产品, 比如全 PU 的轮子。

Prothane has a very good flexibility at low temperature and hydrolysis resistance. Although its mechanical properties is not so good. With low viscosity. It is easy to be miscibility with isocyanate additive components. Excellent processing performance. Also has great advantage on price.

Prothane caster can't be used on uneven road, neither for forklift truck. It is most commonly applied to standard caster. Especially suitable for outdoor moisture environment. Like Southeast Asia. Model P121 pre polymers is recommended. And Model P122 pre polymers is commonly used on the products with hardness higher than 60D. Such as pure PU wheel.



## Toughthane®

Toughthane 具体较高的机械强度和硬度、耐磨性、抗氧化性、耐油性、耐热性。但耐水解和耐低温性较差。

Toughthane 制成的脚轮适用于温度较高、有一定腐蚀性或油性环境等。不适合寒冷地区以及潮湿户外环境使用。可适用于轻型叉车和电动搬运车。推荐使用牌号为 T221 的预聚体。而牌号为 T222 的预聚体一般用于欧洲等有特殊要求 (无 MOCA) 的产品上。

Toughthane has very high mechanical strength and hardness. Abrasion resistance. Oxidation resistance. Oil resistance. Heat resistance. But its hydrolysis resistance and low temperature resistance are not so good.

Toughthane caster is suitable for higher temperature. Corrosive and oily enviroment. Not suitable for cold areas and moisture enviroment. It can be applied to light and electric forklift truck. Model T222 pre polymers is recommended. And Model T222 prepolymers is commonly used on products have special requirements ( free of MOCA) from Europe.



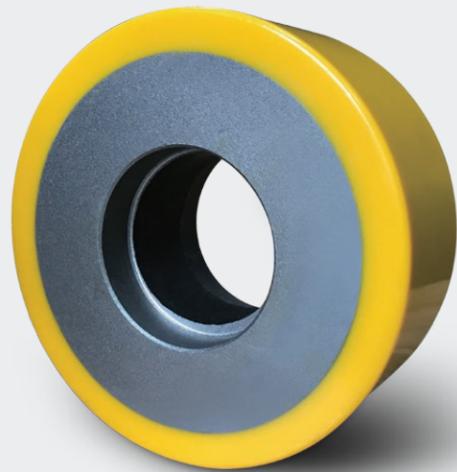
## Elaxthane®

Elaxthane 具有较高模量和强度, 优异的回弹性、耐磨、耐霉菌、耐油性、动态力学性能、电绝缘性能和低温柔韧性。但耐热性较差。

因其弹性极好, Elaxthane 制成的脚轮适用于较为不平整的地面, 启动、滚动阻力小, 适用于手推车, 很省力, 行驶在不平整路面不会太颠簸。其耐热性不好, 不适用于高温环境或高速运转场合, 故不适用于重型高端电动叉车上。使用的预聚体牌号为 E321。

Elaxthane has very high modulus and strength, offer excellent resilience, great abrasion resistance, mold resistance, oil resistance, dynamic mechanical properties, electrical insulating performance and low temperature flexibility. However the heat resistance is not good.

Because of its excellent elasticity, elaxthane casters are suitable to trolley. It can not be too bumpy when traveling on the uneven road surface. Its heat resistance is not good, not suitable for high temperature environment or high speed operation situation, so it can't applied for heavy-duty high-end forklift. The prepolymer model of Elaxthane is E321.



## Maxthane®

Maxthane 具有优异的水解稳定性和高、低温性能。另具有较高的拉伸强度、低温柔韧性、极好的弹性、耐候性、优良的耐撕裂和耐磨性、高温黏附性、耐溶剂和化学品等性能。比 Toughthane 的耐热更好, 压缩永久变形更低。

Maxthane 制成的脚轮适用于水性、油性、高温、低温和不平整地面等各种场合, 也适用于高动态载荷场合, 可用于重型高端电动叉车的驱动轮和承载轮。使用的预聚体牌号为 M421。

Maxthane has excellent hydrolytic stability and high&low temperature performance. It also has higher tensile strength, low temperature flexibility, excellent elasticity, weatherresistance, excellent tear resistance and abrasion resistance, high temperature adhesion, solvent resistance and other chemical properties. It is better than Tongthane's heat resistance, The proportion of deformation by Compressed permanent is lower than other .

Maxthane Caster is suitable for humidity, oil, high temperature, low temperature and uneven ground and other environment, and also for high dynamic load environment. It is apply to heavy-duty, high-quality electric forklift drive wheel and bearing wheel. The pre-polymer Model is M421.



## Gravollan®

Gravollan 是一种比 Maxthane 性能更好的材料, 具有更为优异的机械和物理性能, 具有高耐磨、高耐热、高强度、内生热少、阻尼小、耐油、耐腐蚀、耐辐射、寿命长等特性。

Gravollan 比 Maxthane 最为突出的特性是内生热少, 故其制成的脚轮更适用于高动态载荷和连续高速运转以及耐热场合。可用于重型高端电动叉车的驱动轮和承载轮。使用的预聚体牌号为 G521。

Gravollan has better performance compared with Maxthane. It has more excellent mechanical and physical property. Such as high resistant to wear, heat, and corrosion, high strength, less endogenous heat, lightly damped, oil resistance and corrosion resitance, long lifetime and other characteristics.

Less endogenous heat is the most prominent characteristics from Gravollan to Maxthane.

So Gravollan caster is much more suitable for high dynamic load capacity, high speed running and high temperature occasion. Also Gravollan is available for the driving wheel and driven wheel of heavy high-end electric forklift. Prepolymer model is G521.



# GRAVOLLAN® 生活/工业/脚轮

## LIFE / INDUSTRY / CASTERS

### 产品应用 APPLICATIONS

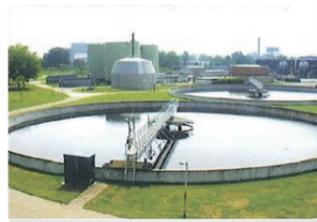


#### 起重機

装有Gravollan®导向轮和驱动轮

#### STACKER CRANES

Equipped with Gravollan® drive and guide wheels.

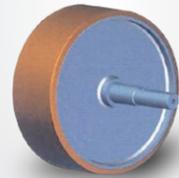


#### 水处理设备

设备上装备Gravollan®防蚀驱动轮

#### WATER TREATMENT

Water treatment equipment runs on Gravollan® drive wheels with anticorrosion protection.

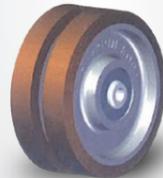


#### 工业伸缩门

自定义槽轮安装于工业伸缩门上

#### INDUSTRIAL GATES

Custom-made groove wheel for industrial sliding gates.



#### 工业升降机

配备凹导滚轮

#### INDUSTRIAL LIFTS

Assembly with concave guide rollers for steel cable in industrial elevators.

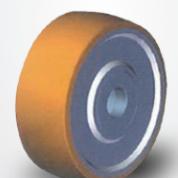


#### 重型运输机

Gravollan®可承载超重型运输

#### HEAVY-LOAD TRANSPORT

Handling of extreme loads with Gravollan® wheels.



#### 过山车

在过山车上广泛应用

#### ROLLER COASTER

Leading manufacturer in Europe for highspeed roller coaster wheels.



#### 叉车

高档叉车上广泛应用

#### FORKLIFT TRUCKS

Heavy load 4-ways side loader in the glass industry with wheels  $\Phi$ 1100mm.



#### 汽车制造线

Gravollan®材料的轮子在汽车生产线上起重要作用

#### AUTOMOTIVE SOLUTIONS

Skidrollers in Gravollan® for automotive conveying systems.

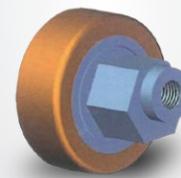


#### 行李传送带

广泛用于机场行李传送带

#### BAGGAGE HANDLING

Baggage handling with precision guide rollers in airports.

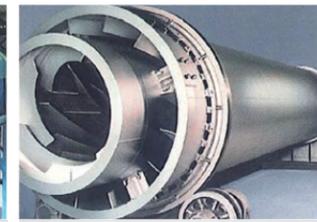
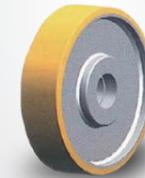


#### 筛选滚筒机

超重型滚筒机配备 Gravollan® 驱动轮

#### SCREENING DRUMS

Rotating screening drum with heavy load Gravollan® drive wheels.



#### 冷却滚筒机

在铸造业内作为驱动轮广泛应用

#### COOLING DRUMS

Cooling drum with Gravollan® drive wheels in cast iron manufacturing.

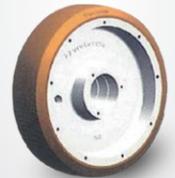


#### 过滤机

配备抗水解Gravollan®材料的轮子

#### FILTER INSTALLATIONS

Tilting pan filters use anti-hydrolysis Gravollan® wheels for phosphate washing.

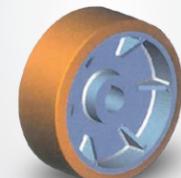


#### 垃圾处理

在垃圾分拣设备上广泛应用

#### WASTE TREATMENT

Steel welded wheel centre with Gravollan® for waste sorting equipment.

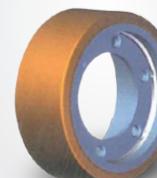


#### 自动化导向轮

AGV上驱动轮使用

#### AUTOMATED GUIDED VEHICLES

Drive wheel for AGV.



#### 电梯

Gravollan®材料的轮子在民用电梯上的应用

#### ELEVATORS

Gravollan® guide roller with excentric shaft for elevators.

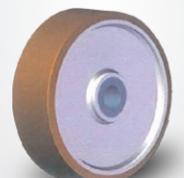


#### 隧道钻机

在管道与隧道作业中的应用

#### TUNNEL DRILLING

Heavy load guiding wheels for tunneling and pipelines.



极端工作条件下的顶尖材料

TOP MATERIALS FOR EXTREME  
WORKING CONDITIONS

质量保证与追溯 / 模具制造 / 测试设备

QUALITY ASSURANCE & TRACEABILITY/MOULDMAKING/TESTING EQUIPMENT



土豆收割机

Gravollan®材料的轮子在传送带上的应用

POTATO HARVESTING

Gravollan® wheel for chain conveying in potato harvesting.

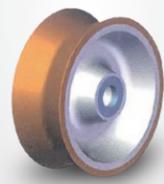


码头起重机

有凹槽的Gravollan®材料的轮子可以与起重机缆绳很好配合

HARBOUR CRANES

Concave shaped guide wheel for cables in harbour cranes.



进坞系统

Gravollan®材料的轮子用于机场靠泊系统

DOCKING STATION

Tripe swivel castor for docking systems in airports.

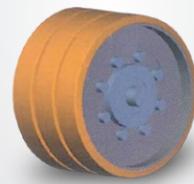


滚筒搅拌机

在肉类搅拌设备中的应用

ROTARY MIXER

Rotary mixer with Gravollan® drive wheels in the meat industry.



图形打印机

在打印机设备中的应用

GRAPHIC PRINTING

Adaptable swivel castor for print finishing equipment.



Gravollan® 性能

- Gravollan 具备优异的机械和物理性能，拥有高耐磨、高耐热、高强度、内生热少、阻尼小、耐油、耐腐蚀、耐辐射、寿命长等特性。其制成的脚轮适用于高动态载荷和连续高速运转场合。
- Gravollan 制成的脚轮尺寸可以从Ø20mm 至Ø1200mm。

Gravollan has better performance compared with Maxthane. It has more excellent mechanical and physical property. Such as high resistant to wear, heat, and corrosion, high strength, less endogenous heat, lightly damped, oil resistance and corrosion resistance, long lifetime and other characteristics.

Less endogenous heat is the most prominent characteristics from Gravollan to Maxthane.

So Gravollan caster is much more suitable for high dynamic load capacity, high speed running and high temperature occasion. Also Gravollan is available for the driving wheel and driven wheel of heavy high-end electric forklift. Prepolymer model is G521.

GRAVOLLAN® 参数表 I PARAMETER TABLE I

材料	Material	单位 Unit	标准 Norm	GRAVOLLAN			
				75	85	92	95
硬度 (±3)	Hardness(±3)	shoreA/D	DIN53505	75/25	85/33	92/37	95/42
100% 应力	Stress at 100% strain	MPa	DIN53504	3.5	5	9.2	11.6
300% 应力	Stress at 300% strain	MPa	DIN53504	7.8	8.8	17.3	20.8
断裂伸长率	Elongation at break	%	DIN53504	630	650	630	600
拉伸强度	Tensile strength	MPa	DIN53504	38	38	39	42
撕裂强度	Tearing strength	KN/m	DIN53515	70	82	110	115
回弹	Rebound	%	DIN53512	62	60	60	58
磨损	Abrasion resistance	mm³	DIN53516	49	46	42	41

GRAVOLLAN® 参数表 II PARAMETER TABLE II

材料	Material	GRAVOLLAN			
		75	85	92	95
驱动	Drive Force	●	●●	●●●	●●●
载重负荷	Load capacity	●	●●	●●	●●●
行驶距离	Distance	●	●●	●●●	●●●
凹凸路面	Rugged surface	●	●●	●●●	●
地面湿度	Ground humidity	●●	●●	●●	●●
滚动阻力	Rolling resistance	●	●●	●●●	●●●
环境温度 <0°C	Temperature<0°C	●	●	●●	●●
环境温度 >40°C	Temperature>40°C	●●	●●	●●	●●
重型叉车驱动轮 Vmax	Drive wheel	●●	●●	●●●	●●●
重型叉车负重轮 Vmax	Guide wheel	●	●●	●●●	●●●
极限速度	Max speed	●	●●	●●	●●
耐水解	Hydrolysis resistance	●	●	●	●
耐油性	Oil resistance	●●●	●●●	●●●	●●●
抗紫外线和辐射	UV-resistant	●●●	●●●	●●●	●●●

注: ●一般 ●●好 ●●●非常好 ● OK ●● Good ●●● Very good

**航空领域  
顶级脚轮应用**

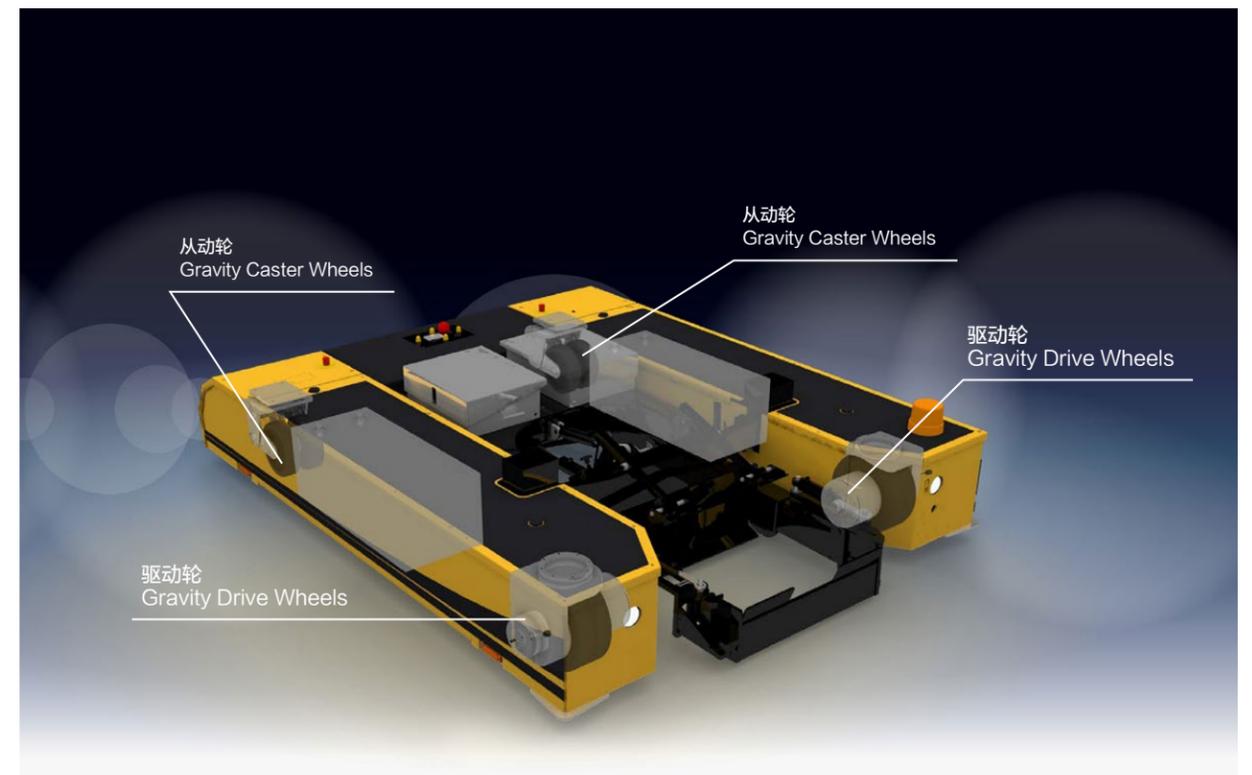
Top-rated Castors and wheels for aviation services and aviation maintenance



重力团队为航空领域研发了 AGV（自动导引车）和 AMR（自主移动机器人）的驱动轮与负载轮。我们提供各类定制化的轮子和脚轮，涵盖飞机平台、登机梯的可靠移动以及工具推车便捷运转等多项领域。

Gravity team develop the best supportive AGV & AMR drive and load wheels for aviation services and aviation maintenance.

We cover any type of custom wheels & casters with aircraft platforms, ladders, stands, tool trolleys.



## 单轮和脚轮指南 Wheel and caster guide

### 找到最佳产品的 7 个步骤 7 steps to find the best product

#### 1. 选择您的产品 Choose your product.

根据不同的应用，可以使用单轮、万向和定向脚轮或装配式轮胎 / 充气轮胎。  
万向脚轮可以旋转，定向脚轮在固定方向上运行。脚轮可以用顶板、螺栓孔、柱杆、扩展器或插杆固定。

Depending on the application, wheel, swivel and fixed casters or assembled /pneumatic tyres can be used. The swivel casters can rotate, and the fixed casters can run in a fixed direction. The casters may be secured with top plate, bolt holes, tie bar, extenders or inserted rod.

产品类型 product type	单轮 wheel	万向脚轮 Swivel casters	定向脚轮 Fixed casters	装配式轮胎 / 充气轮胎 Assembled wheel / pneumatic tyres	
安装 mounting	顶板 Top Plate	螺栓孔 bolt hole	柱杆 Tie bar	扩展器 Expander	插杆 Inserted rod

#### 2. 确定所需负载能力 Determine the required load capacity

单轮或脚轮所需的负载能力是通过运输设备的自重和附加重量除以所需单轮或脚轮的数量来计算的。然后用结果乘以一个安全系数，而这个安全系数取决于应用条件。

The load capacity required for a wheel or caster is calculated by dividing the dead weight and additional weight of the transport equipment by the number of single wheel or casters required. Then multiply the result by a safety factor, while for each single or caster This safety factor depends on the application condition.

$$T = \frac{E+Z}{n} \times S$$

T= 每个单轮或脚轮所需的负载能力  
E = 运输设备的自重  
Z= 最大负载  
n= 所需单轮或脚轮的数量  
S= 安全系数

T = load capacity for each wheel or casters  
E = the dead weight of the transportation equipment  
Z= maximum load  
N= the number of single wheels or casters required  
S= safety factor

所有重力单轮和脚轮的负载能力都通过旋转台进行测试，符合以下标准 DIN EN 12527-12533 (ISO 22878-22884)。

● **轻型脚轮和紧凑型脚轮：**  
DIN EN 12530 / ISO 22881

The load capacity of all wheels and casters was tested by the rotary table for the following standard DIN EN 12527/12533 (ISO22878-22884).

● **Light-duty casters and compact casters:**  
DIN EN 12530 / ISO 22881

● **用于运输设备的单轮和脚轮：**  
DIN EN 12532 / ISO 22883

● **重型负载单轮和脚轮：**  
步行速度 4 km/h 根据 DIN EN 12532 / ISO 22883  
更高速速度 根据 DIN EN 12533 / ISO 22884

● **Single wheels and casters for transport equipment:**  
DIN EN 12532 / ISO 22883

● **Heavy-duty wheels and casters:**  
Walking speed of 4 km/h according to the DIN EN 12532 / ISO 22883  
Higher speed according to the DIN EN 12533 / ISO 22884

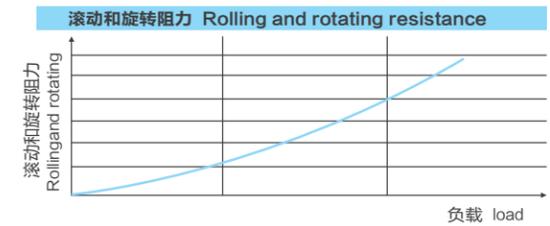
#### 3. 启动、滚动和旋转阻力 / 操作灵敏性 Starting, rolling, and swivel resistance / Manoeuvrability

单轮或脚轮的启动、滚动和旋转阻力在很大程度上取决于胎面、单轮轴承、单轮直径、整体负载和表面情况。

运输设备的操作灵敏性取决于所用脚轮的数量和类型以及它们的布置方式。这些因素反过来又影响负载能力、操作灵敏性、控制、转弯和稳定性。

The starting, rolling, and rotation resistance of a wheel or caster wheel largely depends on the tread, wheel bearing, wheel diameter, overall load, and surface conditions.

The operational sensitivity of the transport equipment depends on the number and type of casters used and how they are fixed. These factors, in return, affect the load capacity, operational sensitivity, control, turning, and stability.



**滚动阻力小**

- 单轮直径大
- 硬质胎面
- 胎面弹性高
- 滚珠轴承
- 硬质的平滑表面

**lower rolling resistance**

- The diameter of a single wheel is large
- Hard tread surface
- Elastic tread
- ball bearing
- Hard and smooth surface

**旋转阻力小 (万向脚轮)**

- 硬质胎面
- 球形胎面
- 偏心距大
- 硬质的平滑表面

**lower rotational resistance (Swivel caster)**

- Hard tread surface
- Ball-shaped tread
- The eccentric distance is large
- Hard and smooth surface

#### 4. 耐腐蚀性 / 耐温性 / 耐化学性 Corrosion resistance / temperature resistance / chemical resistance

单轮或脚轮的使用寿命和功能在一定程度上取决于所用材料或其表面抵御腐蚀、温度变化和化学物质的能力。温度和暴露时间是最重要的因素。

The service life and function of a wheel or a caster largely depends on the material used or its surface against corrosion, temperature changes and The ability of the chemicals. Temperature and exposure time are the most important factor.



例如：检查耐水解性 For example: check for hydrolysis resistance

#### 5. 从多种胎面材质中选择 Choose from a variety of tread materials

硬度、形状和胎面材质对单轮或脚轮的操作舒适性、平滑运行以及启动、滚动和旋转阻力有重要影响。单轮的胎面 (轮胎) 一般应比地面要软。否则单轮可能压进地面并损坏地面。

Hardness, shape and tread material significantly influence the operating comfort, smooth operation and resistance to starting, rolling and rotation. The wheel tread (tire) should generally be softer than the ground. Otherwise, the wheel may press into the ground and damage the ground.

胎面材质 tread material	胎面及轮胎硬度 tread and tire hardness	操作噪音 operate noise
充气轮胎, 软橡胶 pneumatic tyre, soft rubber	软	噪音
弹性实心橡胶、超级弹性实心橡胶 solid rubber, super elastic solid rubber	中软	中噪音
实心橡胶、TPE、聚氨酯 75 Shore A、硅橡胶 Solid rubber, TPE, polyurethane 75 Shore A, and silicone rubber	中	中噪音
TPIL 聚氨酯 92 Shore A TPIL polyurethane 92 Shore A	中硬	中噪音
钢、铸铁、尼龙、聚丙烯、酚醛树脂 Steel, cast iron, nylon, PP, Phenolic	硬	静音

软 soft → 硬 hard      噪音 Noisy → 静音 silent

## 6. 选择一个单轮轴承种类 Choose a wheel bearing type

选择合适的轴承取决于速度、负载、环境因素和移动运输设备所需的力。斜面轴承结构简单，牢固并且极大程度上对湿度不敏感。然而，它们的摩擦系数最大，会导致相对较大的启动和滚动阻力。滚珠轴承很牢固，滚动阻力小，径向轴承公差小。滚针轴承具有最佳的启动和滚动性能，轴承公差最小，负载能力高，也适用于高速。

The selection of suitable bearings depends on speed, load, environmental factors and the force required to the transport equipment.

The tapered bearing structure is simple, firm and largely insensitive to humidity. However, they have the greatest friction coefficient, resulting in a relatively large starting and rolling resistance.

Ball bearings are very strong, with small rolling resistance and radial bearing with a small tolerance.

Roller bearings have optimal start and rolling performance, minimum bearing tolerance and high load capacity, and are also suitable for high speeds.



斜面轴承  
Tapered bearing



滚珠轴承  
Ball bearing



滚针轴承  
Roller bearing

## 7. 选择合适的轮架、版本和选项 Select suitable bracket, type, and options.

适用于各种应用和所有要求的合适轮架。钢板压制轮架的标准、不锈钢或耐热版本、带或不带弹簧的焊接钢重型负载轮架、或外观优美的塑料轮架。

单轮或脚轮的功能可以通过使用不同的版本或选项来增强。单轮和万向头制动器防止万向脚轮滚动和旋转，脚踏避免脚部受伤，导电胎面防止静电放电等等。

Suitable wheel racks for all applications and all requirements. Steel plate pressing wheel standard, stainless steel or heat resistant versions of the frame, welding with or without springs Steel heavy load wheel frame, or a beautiful appearance of the plastic wheel frame.

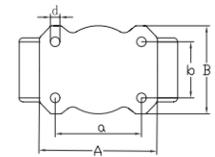
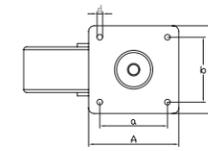
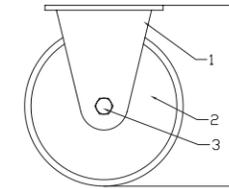
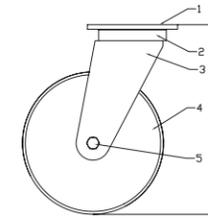
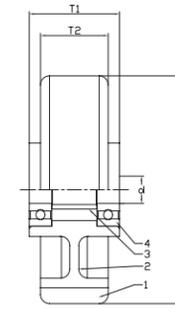
Wheel or caster functionality can be achieved by using different versions or options to enhance. The single wheel and universal head brakes prevent universal caster rolling and spinning Turn, foot block to avoid foot injury, conductive tread to prevent electrostatic discharge and so on.



## 单轮和脚轮指南 Wheel and caster guide

### 基本信息 / 定义

### Basic information / definitions



### 单轮 Wheel

名称 name  
1 = 胎面 / 轮胎 tread / tire  
2 = 轮芯 / 轮辋 wheel core / rim  
3 = 轮毂 Wheel hub  
4 = 单轮轴承 single-wheel bearing

尺寸：  
D = 单轮直径 single-wheel diameter  
And  
d = 轴承直径 Bearing diameter  
T1 = 轮毂长度 wheel hub length  
T2 = 单轮宽度 single-wheel width

单轮由胎面 / 轮胎、轮芯 / 轮辋和轴承组成。不同单轮的负载能力、滚动阻力和平滑运行质量有所不同。

The wheel consists of tread / tire, core / rim and bearings. Different single rounds differ in load capacity, rolling resistance, and smooth running quality.

### 万向脚轮 Swivel casters

名称 name  
1-3= 万向轮架 swivel wheel frame  
1 = 顶板 the top plate  
2 = 万向头 (旋转轴承) rational head (rotating bearing)  
3 = 万向轮叉 swivel wheel and fork  
4 = 单轮 wheel  
5 = 轮轴 the wheel shaft

尺寸：  
H = 总高度 / 安装高度 Total height / mounting height  
F = 偏心距 eccentricity  
A、B = 顶板尺寸 top plate size  
a、b = 螺栓孔间距 spacing between bolt holes  
d = 螺栓孔径 the bolt aperture

万向脚轮可以绕垂直轴旋转，提高机械、设备等操作灵活性。万向头 (旋转轴承) 连接轮叉 (万向轮叉) 和固定元件。旋转轴承和轮轴之间通常有一定的水平距离 (偏心距)，这样轮叉才能自由旋转。此偏心距使得脚轮无需额外的辅助设备即可轻松旋转。此外，在脚轮直线行驶时，它还赋予脚轮稳定的滚动性能。万向脚轮上可以安装不同的锁定装置，从而定向脚轮不可旋转，更容易在特定方向上移动机械、设备等，而不会发生偏离。

- 为单轮的旋转提供制动 (单轮制动器)
- 为单轮的旋转和轮叉的旋转运动提供制动 (单轮和万向头制动器)
- 为轮叉的旋转运动提供制动 (定向制动器)

The swivel caster can rotate around the vertical axis to improve the operation sensitivity of machinery and equipment. The swivel head (rotating bearing) connects the wheel fork (swivel wheel fork) to the fixed element. There is usually a horizontal distance (offset) between the rotating bearing and the axle, so that the fork can rotate freely. This offset allows the casters to rotate easily without additional aids. In addition, it also gives the caster stable rolling performance. Different locking devices can be installed on the swivel caster, so that the directional caster can not be rotated, and it is easier to move machinery and equipment in a specific direction without deviation.

- Provide braking for wheel rotation (wheel brake)
- Provide braking for wheel rotation and rotational movement of wheel forks (wheel and multiid brakes)
- Provide brake for rotating movement of wheel fork (directional brake)

### 定向脚轮 Fixed casters

名称 name  
1 = 定向轮架 fix wheel frame  
2 = 单轮 Single wheel  
3 = 轮轴 Wheel shaft

尺寸：  
H = 总高度 / 安装高度 Total height / mounting height  
A、B = 顶板尺寸 top plate size  
a、b = 螺栓孔间距 spacing between bolt holes  
d = 螺栓孔径 the bolt diameter

产品页面上单轮的横截面仅为该特定系列的一个示例。由于技术原因，同一系列的单轮可能会有不同的设计。

The cross section of a wheel on the product page is only one example of that particular series. A wheel in the same series may have different designs for technical reason.

## 单轮和脚轮指南

## 环境因素

耐腐蚀性 / 耐高温性 / 导电性 / 耐化学性

## Wheel and caster guide

## environmental factor

corrosion resistance / High temperature resistance / electrical conductivity / chemical resistance.

## 耐腐蚀性 Corrosion resistance

单轮和脚轮部件的表面涂层不同，它们的表面耐腐蚀程度也不同。

根据 DIN EN ISO 9227 进行的盐雾试验是评估不同材料防腐性能的最常用测试方法之一。用盐水喷雾溶液对部件进行腐蚀，并测量形成白锈和红锈的时间（以小时为单位）。Wheel and caster parts have different surface coatings and differ in their surface corrosion resistance. The salt spray test according to DIN EN ISO 9227 is one of the most common test methods for assessing the corrosion protection properties of different materials. Corro the parts with saline spray solution and measure the time(in hours) of white and red rust.

表面保护 Surface protection for white rust and red rust	白锈 White rust	红锈 rust
镀锌，蓝色钝化 Galvanized, blue passivation	~48h	~96h
镀锌，黄色钝化 Galvanized, yellow passivation	~144h	~240h
锌镍 Zinc and nickel		~720h
粉末涂层 powder coating		~192h

镀锌部件的优点是即使有轻微的损坏也能保持其防腐性能。镀锌部件经过了一种称为钝化的额外化学处理过程。黄锌钝化比蓝色钝化带来的防腐性能更好。锌镍涂层可以防止形成白锈，并能抵抗高温。它也可以钝化并密封。静电粉末喷涂包括将涂层粉末喷涂到部件上，然后对其进行加热。耐腐蚀不锈钢因其良好的耐腐蚀性而闻名。最常用的材料 (1.4301/AISI304) 是高合金铬镍钢。不锈钢滚珠轴承由 1.4034/AISI 420 材料制成。

The advantage of galvanized parts is that they maintain their corrosion protection even with minor damage. The galvanized parts go through an additional chemical treatment process called passivation. Yellow zinc passivation has better corrosion protection than blue passivation. The zinc-nickel coating prevents white rust formation and is resistant to high temperatures. It can also be blunted and sealed. Electrostatic powder spraying involves spraying the coating powder onto the component and then heating it. Corrosion-resistant stainless steel is well known for its good corrosion resistance. The most commonly used material (1.4301 / AISI 304) is high alloy nickel steel. Stainless steel ball bearings are made of 1.4034 / AISI 420 material.



## 导电性 Electrical conductivity

单轮和脚轮的导电性可以防止运输设备或运输货物造成静电放电。

如果某单轮或脚轮的欧姆电阻不大于  $10^5 \Omega$ ，则认为它可以导电（产品代码后缀：-EL 或 -ELS）。如果某单轮或脚轮的欧姆电阻在  $10^6$  至  $10^9 \Omega$  之间，则认为它可以抗静电（产品代码后缀：-AS）。对于轮辋或轮芯等带涂层的部件，它们与运输设备的过渡点上的涂层可以去除，以确保其导电性。由于导电性可能受胎面污垢或其他环境因素的影响，操作人员应定期检查。

The electrical conductivity of the wheel and caster can prevent electrostatic charge caused by transporting equipment or transporting goods. If the ohm resistance of a wheel or caster is not greater than  $10^5 \Omega$ , it is considered to be conductive (product code suffix: -EL or -ELS). If a wheel or caster is at  $10^6$  to  $10^9 \Omega$  between, it is considered to be antistatic (product code suffix: -AS).

For coated parts such as rims or wheel cores, their coating at the transition point with the transport equipment can be removed to ensure their electrical conductivity.

As electrical conductivity may be due to tread dirt or other environmental factors, operators should check regularly.

## 耐高温性 High temperature resistance

单轮或脚轮的功能也取决于与温度相关的因素。

与胎面相关的温度包括环境温度和摩擦产生的热量。摩擦力的大小取决于胎面材料、形状和负载，以及行驶距离的长度和表面特性。

摩擦阻力在低温下稍有增大。此外，冷热等因素会降低塑料的负载能力和稳定性。温度升高时，胎面的负载能力和使用寿命会显著降低。高静态负载和高温也会增加单轮变形的风险。为此，重力开发了可以在高温下使用的特殊胎面和单轮材料。许多弹性体胎面（特别是橡胶和许多聚氨酯弹性体）的刚度和硬度在低温下显著增加，但弹性大大减少。然而，重力却可以提供特殊的聚氨酯弹性体，在低至  $-30^\circ\text{C}$  的温度下仍然保持弹性和灵活性。

The function of wheels or casters also depends on temperature.

Related factors.

The temperature associated with the tread includes the ambient temperature and the heat generated by the friction. The size of the friction force depends on the tread material, shape and load, as well as the driving distance and surface characteristics.

The frictional resistance is slightly increased at low temperatures. In addition, factors such as cold and heat can reduce the load capacity and stability of the plastic. When the temperature increases, the load capacity and service life of the tread are significantly reduced. High static loads and high temperatures can also increase the risk of wheel deformation. Therefore, Gravity Caster has developed special tread and wheel materials that can be used at high temperatures.

The stiffness and hardness of many elastomer tread (especially rubber and many polyurethane elastomers) increase significantly at low temperatures, but the elasticity is greatly reduced. Gravity caster can provide special polyurethane elastomers that remain elastic and flexible at temperatures as low as  $-30^\circ\text{C}$ .



## 耐化学性 Chemical resistance

如果单轮或脚轮可能接触到腐蚀性物质，则必须特别注意它们的耐化学性。

If wheels or casters may have touched with corrosive substances, special attention must be paid to their chemical resistance.

## 单轮和脚轮指南

## 重力单轮系列信息框

胎面及轮胎硬度 / 平滑运行和地面保护



重力单轮系列信息框

为了帮助您轻松选到合适的产品，我们在相关页面上提供了各单轮系列的信息框。它为您提供有关某单轮的胎面及轮胎硬度、平滑运行和地面保护、滚动阻力和耐磨性的概述。

In order to help you easily choose the right product, we provide the information box of each wheel series on the relevant page.

It provides you with an overview of the tread and tire hardness, smooth running and ground protection, rolling resistance, and wear resistance of a wheel.

胎面及轮胎硬度的等级从非常软到非常硬，而其他类别的等级则是从较好到优异。

The tread and tyre hardness level range from very soft to very hard, while other categories range from better to excellent.

## 胎面及轮胎硬度 The hardness of tread and tire

胎面及轮胎硬度在产品页信息框的图片中有标注。标记越靠右，胎面越硬。

弹性体和聚氨酯的硬度以 Shore A 表示，硬质塑料以 Shore D 表示，金属用布氏硬度表示。

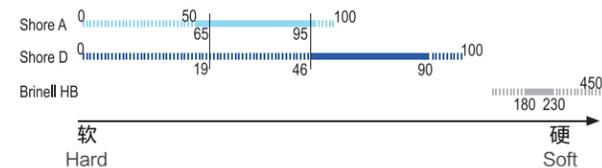
The tread and tire hardness are noted in the picture in the information box of the product page. The more right of the mark, the stiffer the tread.

The hardness of elastomers and polyurethane is shown as Shore A, hard plastics as Shore D, and metals by Brinell hardness.

各种硬度测试方法之间不存在线性相关性。图表中的数值为经验值，仅供参考。

There is no linear correlation between the various hardness test methods. The values in the chart are empirical values, for reference only.

## 单轮系列的硬度范围 Hardness range of the wheel



材料 material	胎面及轮胎硬度 Tread and tire hardness
充气轮胎 / 软橡胶 Inflatable tire / soft rubber	50-60 Shore A
弹性实心橡胶 Elastic, solid, and heart-based rubber	65 Shore A
超级弹性实心橡胶 Super-elastic solid rubber	70 Shore A
标准实心橡胶 Standard solid rubber	80 Shore A
热塑性聚氨酯 (TPU), 软 Thermoplastic polyurethane (TPU), soft	80 Shore A
热塑性橡胶弹性体 (TPE) Thermoplastic rubber elastomer (TPE)	85 Shore A
聚氨酯 75 Shore A Polyurethane at 75 Shore A	75 Shore A
聚氨酯 92 Shore A Polyurethane of 92 Shore A	92 Shore A
热塑性聚氨酯 (TPU), 硬 Thermoplastic polyurethane (TPU), hard	92-98 Shore A
聚丙烯 sulan	60 Shore D
尼龙 nylon	70 Shore D
浇铸尼龙 Grumbed nylon	80 Shore D
铸铁 / 钢 Cast iron / steel	180-230 HB

## 平滑运行和地面保护 Smooth operation and ground protection

此类别中分数越高，单轮越静音，在地面上运行越轻松。

## 地面保护

硬质胎面比软质胎面对地面造成的压力更大。在地面保护这一范畴内通过五个点来最大限度的保护地面。地面保护是根据平均地面压力估量的。右侧给出了各种胎面材料的参考值。

The higher score in this category, the wheel is running quieter and easier on the ground.

## Ground protection

the hard tread causes more pressure than the soft tread to the surface.

In the area of ground protection, It has five points to maximize the protection of the ground. Ground protection is estimated by the average ground pressure.

Reference values for various tread materials are given on the right.

## 平滑运行

一般而言，采用软质厚胎面的较大单轮的器具更静音。硬质胎面比软质胎面造成的噪音更大。因此，平滑运行和地面保护类别中的高分意味着运输货物时产生的振动和噪音更小。

在较软表面（如地毯）上运输轻型负载时，也可以使用低噪音、高操作舒适性的硬质单轮。

## 计算平均地面压力

平均地面压力是用径向力 [N] 除以单轮接触面 [mm<sup>2</sup>] 计算而出。

## Smooth running

Generally speaking, larger wheel appliances with soft and thick tread are quieter. The hard tread causes more noise than the soft tread. Thus, high scores in the smooth running and ground protection categories mean less vibration and noise when transporting cargo.

Hard wheels with low noise and high operating comfort are also used when transporting light loads on softer surfaces (such as carpets).

## Calculate the average ground pressure

The average ground pressure is calculated by the radial force [N] by the wheel touch surface [mm<sup>2</sup>].

材料 material	平滑运行 / 地面保护 Smooth operation / ground proteve	平均地面压力 Average
充气轮胎 / 软橡胶 pneumatic tire / soft rubber		0.8N/mm <sup>2</sup>
弹性实心橡胶 Elastic solid rubber		1.8 N/mm <sup>2</sup>
超级弹性实心橡胶 Super-elastic solid rubber		1.5 N/mm <sup>2</sup>
标准实心橡胶 Standard solid rubber		3.5 N/mm <sup>2</sup>
热塑性聚氨酯 (TPU), 软 Thermoplastic polyurethane (TPU), soft		4.0 N/mm <sup>2</sup>
热塑性橡胶弹性体 (TPE) Thermoplastic rubber elastomer (TPE)		4.5 N/mm <sup>2</sup>
聚氨酯 75 Shore A Polyurethane at 75 Shore A		3.5 N/mm <sup>2</sup>
聚氨酯 92 Shore A Polyurethane of 92 Shore A		8.0 N/mm <sup>2</sup>
热塑性聚氨酯 (TPU), 硬 Thermoplastic polyurethane (TPU), hard		11.0 N/mm <sup>2</sup>
聚丙烯 / 尼龙 Polypropylene / nylon		40.0 N/mm <sup>2</sup>
浇铸尼龙 Grumbed nylon		60.0 N/mm <sup>2</sup>
铸铁 / 钢 Cast iron / steel		>350 N/mm <sup>2</sup>

## 单轮和脚轮指南

## 重力单轮系列信息框

## 启动、滚动力和旋转阻力、耐磨性

## Wheel and caster guide

## Gravity wheel series information index Start, roll, and rotate the resistance. abrasive resistance.

## 启动、滚动和旋转阻力 Starting, rolling and rotation resistance

启动阻力是指使处于静止状态的单轮进入运动状态所需要的力的大小。

滚动阻力是指保持单轮匀速运动所需要的力的大小。

启动和滚动阻力受以下因素影响：

- 单轮直径
- 胎面几何结构
- 胎面及轮胎硬度
- 胎面弹性
- 单轮轴承
- 地面

滚动阻力是由于单轮滚动时对胎面进行持续的加减压而产生的（滞后现象）。

滚动阻力是通过试验台测量得出的。测量在理想的条件下进行：

- 水平且平滑的钢制表面，无污垢和障碍物
- 速度 :4km/h
- 温度 :+20℃
- 负载 : 最大负载能力的 3/5

这些标准化条件使比较不同单轮系列的滚动阻力成为可能。

设计行走机构时必须考虑不同的应用条件（地面质量、温度、速度等），它们可能对滚动阻力有着重大的影响。

Start resistance is the magnitude of the force required to send a stationary wheel into a state of motion. Rolling resistance is the size of the force required to keep the wheel moving at a constant speed. Starting and rolling resistance are affected by the following factors:

- Single wheel diameter
- Tread geometry
- Tread and tire hardness
- Fetal elasticity
- Wheel bearing
- the ground's surface

Rolling resistance is caused by the continuous decompression of the tread during a wheel of rolling (hysteresis). Rolling resistance is measured from the test bench. Measurements were performed under ideal conditions:

- Horizontal and smooth steel surface, free of dirt and obstacles
- Speed: 4km / h
- temperature: +20℃
- Load: 3/5 of the maximum load capacity

These standardized conditions make it possible to compare rolling resistance in different wheel series.

Different responses must be considered when designing the walking mechanism. Use conditions (ground quality, temperature, speed, etc.), They may have a significant influence on the rolling resistance.

旋转阻力是使万向脚轮运行至行驶方向所需要的阻力。

旋转阻力受以下因素影响：

## 1. 单轮的接触面：

万向脚轮转动时，单轮的接触面绕其中心旋转。这会造成摩擦。除了接触面的大小外，阻力还取决于表面和单轮胎面之间的相互作用。

## 2. 万向头的阻力：

万向头的结构和质量对其旋转阻力也有影响。

## 3. 万向脚轮的偏心距：

万向头中心与接触面中心之间的距离影响万向脚轮的旋转阻力。

Rotational resistance is the resistance required to make the swivel caster to the driving direction. Rotational resistance is affected by the following factors:

1. Touch surface of a wheel: when the swivel caster rotates, the touching surface of the wheel rotates around its center. This can cause friction. In addition to the size of the touching surface, the resistance also depends on the interaction between the surface and the single tire surface.

2. Resistance of the swivel head: The structure and mass of the swivel head also have an influence on its rotational resistance.

3. Eccentricity of the swivel casters. The distance between the center of the universal head and the touching surface affects the rotational resistance of the swivel caster.

## 耐磨性 abrasion performance

此类别中分数越高，单轮的耐磨性越好。

除其他因素外，根据 ISO 4649，耐磨性还包括弹性体或热塑性弹性体的耐磨性。其他胎面材料的耐磨耗性根据 ISO 4649 完成测试。

在右侧的图表中，胎面材料被分为不同的耐磨性类别。

The higher score in this category, the better abrasion performance.

Among other factors, according to ISO 4649, abrasion performance also includes elastomers or thermoplastic elastomers. Of the abrasion resistance of the abrasion resistance of other tread materials according to the ISO 4649 to complete the testing.

In the chart on the right, the tread material is divided into different categories of wear resistance.

材料 mat	滚动阻力 rolling resistance
充气轮胎 / 软橡胶 pneumatic tire / soft rubber	
弹性实心橡胶 Elastic solid rubber	
超级弹性实心橡胶 Super-elastic solid rubber	
标准实心橡胶 Standard solid rubber	
热塑性聚氨酯 (TPU), 软 Thermoplastic polyurethane (TPU), soft	
热塑性橡胶弹性体 (TPE) Thermoplastic rubber elastomer (TPE)	
聚氨酯 75 Shore A (Softthane®) Polyurethane 75 Shore A (Softthane®)	
聚氨酯 75 Shore A (Besthane® Soft) Polyurethane 75 Shore A (Besthane® Soft)	
聚氨酯 92 Shore A (Extrathane®) Polyurethane 92 Shore A (Extrathane®)	
聚氨酯 92 Shore A (Besthane®) Polyurethane 92 Shore A (Besthane®)	
热塑性聚氨酯 (TPU), 硬 Thermoplastic polyurethane (TPU), hard	
聚丙烯 / 尼龙 Polypropylene / nylon	
浇铸尼龙 Grumbed nylon	
铸铁 / 钢 Cast iron / steel	

材料 material	耐磨性 abrasion
充气轮胎 / 软橡胶 pneumatic tire / soft rubber	0.8N/mm <sup>2</sup>
弹性实心橡胶 Elastic solid rubber	1.8 N/mm <sup>2</sup>
超级弹性实心橡胶 Super-elastic solid rubber	1.5 N/mm <sup>2</sup>
标准实心橡胶 Standard solid rubber	3.5 N/mm <sup>2</sup>
热塑性聚氨酯 (TPU), 软 Thermoplastic polyurethane (TPU), soft	4.0 N/mm <sup>2</sup>
热塑性橡胶弹性体 (TPE) Thermoplastic rubber elastomer (TPE)	4.5 N/mm <sup>2</sup>
聚氨酯 75 Shore A Polyurethane at 75 Shore A	3.5 N/mm <sup>2</sup>
聚氨酯 92 Shore A Polyurethane of 92 Shore A	8.0 N/mm <sup>2</sup>
热塑性聚氨酯 (TPU), 硬 Thermoplastic polyurethane (TPU), hard	11.0 N/mm <sup>2</sup>
聚丙烯 Polypropylene	40.0 N/mm <sup>2</sup>
尼龙 nylon	
浇铸尼龙 Grumbed nylon	60.0 N/mm <sup>2</sup>
铸铁 / 钢 Cast iron / steel	>350 N/mm <sup>2</sup>



# 立体停车库轮 PARKING GARAGE WHEELS

## 立体停车库轮 PARKING GARAGE WHEELS

胎面: 聚氨酯  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 125-300mm  
 负载能力: 450-1600kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 125-300mm  
 Load capacity: 450-1600kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

APPC-140/50-30B	140	50	60	30	600
APPC-140/63-25B	140	63.5	63.5	25	750
APPC-160/50-30B	160	50	60	30	700



清洁设备轮  
**CLEANING EQUIPMENT  
 WHEELS**

清洁设备轮  
**CLEANING EQUIPMENT  
 WHEELS**

胎面: 聚氨酯  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 92±3 A  
 直径范围: 100-300mm  
 负载能力: 300-1000kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 92±3 shore A  
 Diameter range: 100-300mm  
 Load capacity: 300-1000kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

CLPA-100/50-20B	100	50	60	20	300
CLPA-125/50-20B	125	50	60	20	400
CLPA-150/50-20B	150	50	60	20	500
CLPA-200/50-20B	200	50	60	20	800
CLRA-100/40-15B	100	40	40	15	100
CLRA-125/50-20B	125	50	60	20	200
CLRA-150/50-20B	150	50	60	20	300
CLRA-200/50-20B	200	50	60	20	500
CLRA-250/50-20B	250	50	60	20	550
CLRA-300/75-25B	300	75	85	25	650



# 过山车轮 ROLLER COASTER WHEELS

我们的过山车轮子每天都在世界各地的娱乐设施中使用,在高承载,横向牵引,爬升,停止,及低磨损方面有杰出表现。我们提供全面的高品质、高性能产品,保障游乐场从小型移动过山车到高速轨道娱乐项目的顺利运行。

Our wheels for rollercoasters prove themselves in practice every day at a wide variety of amusement parks all over the world. When it comes to driving, bearing loads, lateral-guidance and up-stop or under-friction technology, we offer a comprehensive range of high-quality, high-performance products. From small mobile coasters at fairgrounds to high-speed tracks in amusement parks-our wheels make sure that everything runs smoothly.



## 过山车轮 ROLLER COASTER WHEELS

胎面: NDI  
轮芯: 铸铁  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 125-300mm  
负载能力: 450-1500kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
轴承: 滚针轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h-16km/h

Tread: Gravollan  
Centre: Cast Iron  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 125-300mm  
Load capacity: 450-1500kgs

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Roller Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h-16km/h

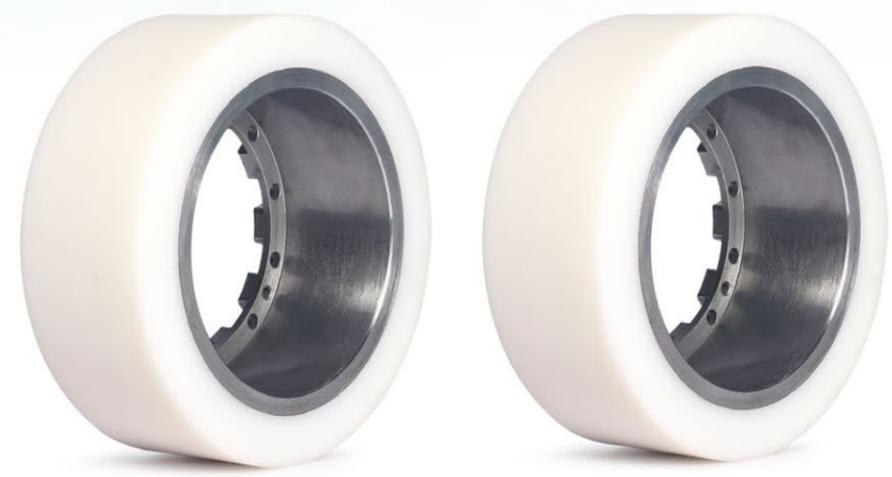
NDI					
RCPC-125/50R	125	50	60	31.5	600
RCPC-150/50R	150	50	60	31.5	700
RCPC-200/50R	200	50	60	31.5	1000
RCPC-250/50R	250	50	60	36.5	1200
RCPC-300/50R	300	50	60	36.5	1500



## AGV ( Automatic Guided Vehicles ) drive wheels and loading wheels

自动导引运输车 -  
专业驱动轮、从动轮  
RoHS REACH

- 防静电  
Anti-static
- 防打滑  
Anti-Slip
- 保护地面  
Ground Protected



### 自动导引车驱动轮及承重轮 AGV DRIVE WHEELS

胎面: 弹性聚氨酯  
轮芯: 铸铁、喷漆  
颜色: 本色  
硬度: 65±2D  
直径范围: 50-400mm

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30℃ +80℃  
工作速度: 16km/h  
负载能力: 130-3000kgs  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Tread: Elastic Polyurethane  
Centre: Cast iron, Painted  
Color: nature color  
Hardness: 65±2shore D  
Diameter range: 50-400mm

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30℃ +80℃  
Working speed: 16km/h  
Load capacity: 130-3000kgs  
The tyre is firmly bonded to the cast iron with  
chemical adhesives

	D	T	W	H	R	Kg
AGVPS-75/20	75	20	47.5	4.2	42.3	130
AGVPS-110/40	110	40	80	4.5	74	350
AGVPS-150/36	150	36	120.5	4.5	113	450
AGVPS-150/40	150	40.5	110	5.5	102	500
AGVPS-150/50	150	50	90	6.6	50	600
AGVPS-155/40	155	40	115	5.5	125	500
AGVPS-170/65	170	65	115	6	106	800
AGVPS-180/47	180	47.5	149.5	4.5	143	600
AGVPS-180/58	180	58.5	145	6.5	133	800
AGVPS-210/80	210	80	160	6.6	150	1200
AGVPA-150/52	150	52	124.7	5.2	114.5	550
AGVPA-180/35	180	35	140	8.5	80	450
AGVPA-180/50	180	50	130	6.6	65	600
AGVPA-108/15	108	15	40	4.5	23	100
AGVPA-112/15	112	15	90	3	60	100
AGVPA-127/35	127	35	85	5.5	31.5	300
AGVPA-200/50	200	50	150	7	133	700
AGVPA-200/45	200	45	115	5.5	130	600
AGVPA-210/50	210	50	155	6.6	35	700
AGVPA-245/76	245	76	210	5.2	187	1000
AGVPA-250/76	250	76	210	5.2	187	1000
AGVPA-57/15	57	15	40	4.5	23	60



纺织行业轮  
**TEXTILE INDUSTRY  
 WHEELS**

胎面: 聚氨酯  
 轮芯: 钢  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 40-100mm  
 负载能力: 40-180kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Steel  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 40-100mm  
 Load capacity: 40-180kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

					
TEPS-40/15B	40	15	15	10	40
TEPS-50/15B	50	15	15	10	50
TEPS-50/20B	50	20	20	12	70
TEPS-60/20B	60	20	20	20	90
TEPS-60/39B	60	39	39	15	150
TEPS-70/25B	70	25	25	25	140
TEPS-80/25B	80	25	25	25	160



纺织行业轮  
**TEXTILE INDUSTRY WHEELS**



# 轨道设备轮 TRACK EQUIPMENT WHEELS

## 轨道设备轮

### TRACK EQUIPMENT WHEELS

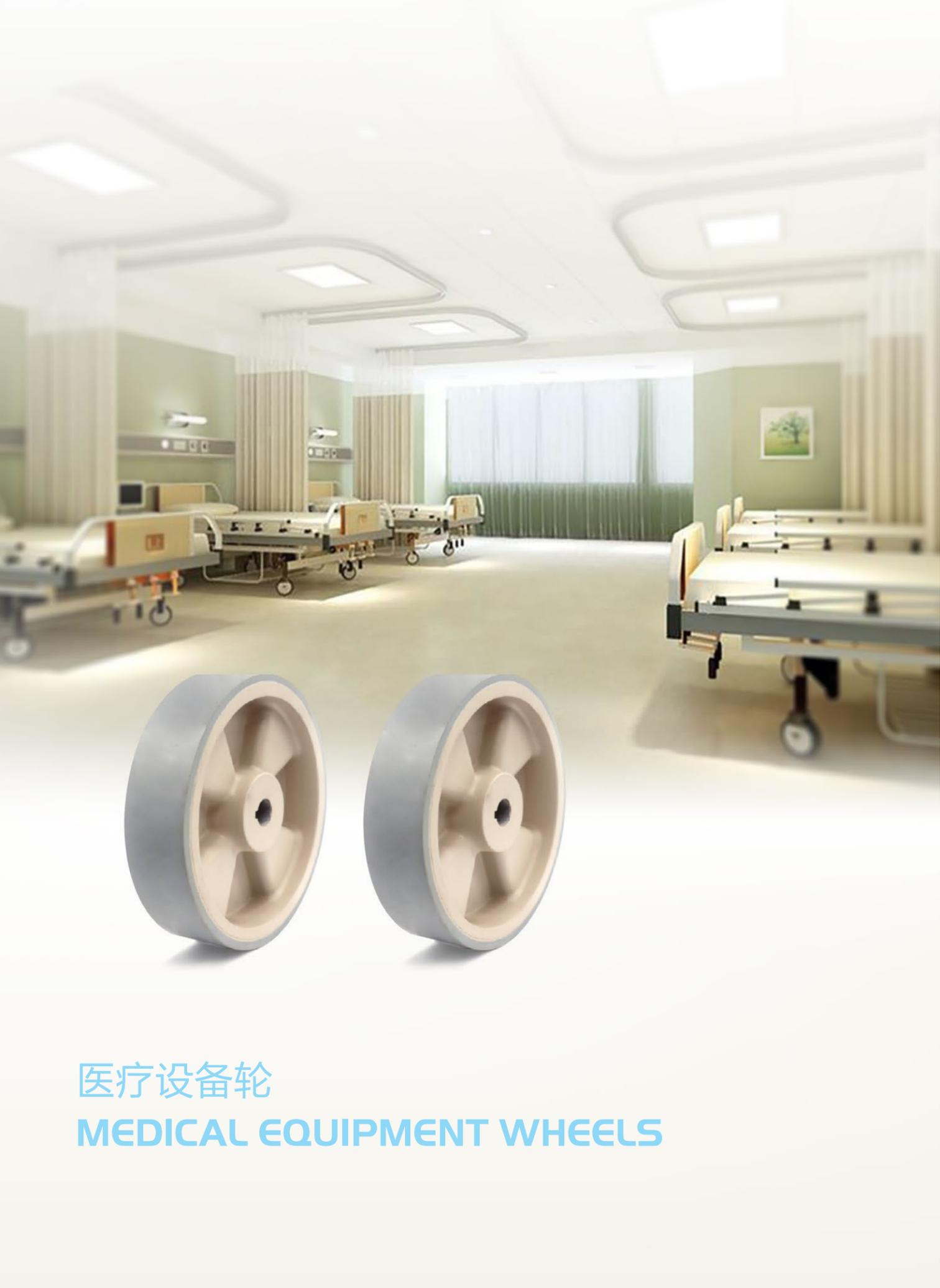
胎面: 聚氨酯  
 轮芯: 铸铁、喷漆  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 400-800mm

包胶牢固  
 耐磨、弹性、低滚动阻力  
 温度范围: -30°C +80°C  
 工作速度: 16km/h  
 负载能力: 6000-12000kgs  
 胎面和轮芯之间由化学粘合剂  
 加固包胶牢度

Tread: Polyurethane  
 Centre: Cast iron, Painted  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 400-800mm

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Temperature range: -30°C +80°C  
 Working speed: 16km/h  
 Load capacity: 6000-12000kgs  
 The tyre is firmly bonded to the cast iron with  
 chemical adhesives

						
TRPS-560/305-1	560	305	204	12	232	8000
TRPS-560/305-2	560	305	380	16	220	8000
TRPS-711/254	711	254	330	12	300	8000



医疗设备轮  
MEDICAL EQUIPMENT WHEELS

医疗设备轮  
MEDICAL EQUIPMENT  
WHEELS

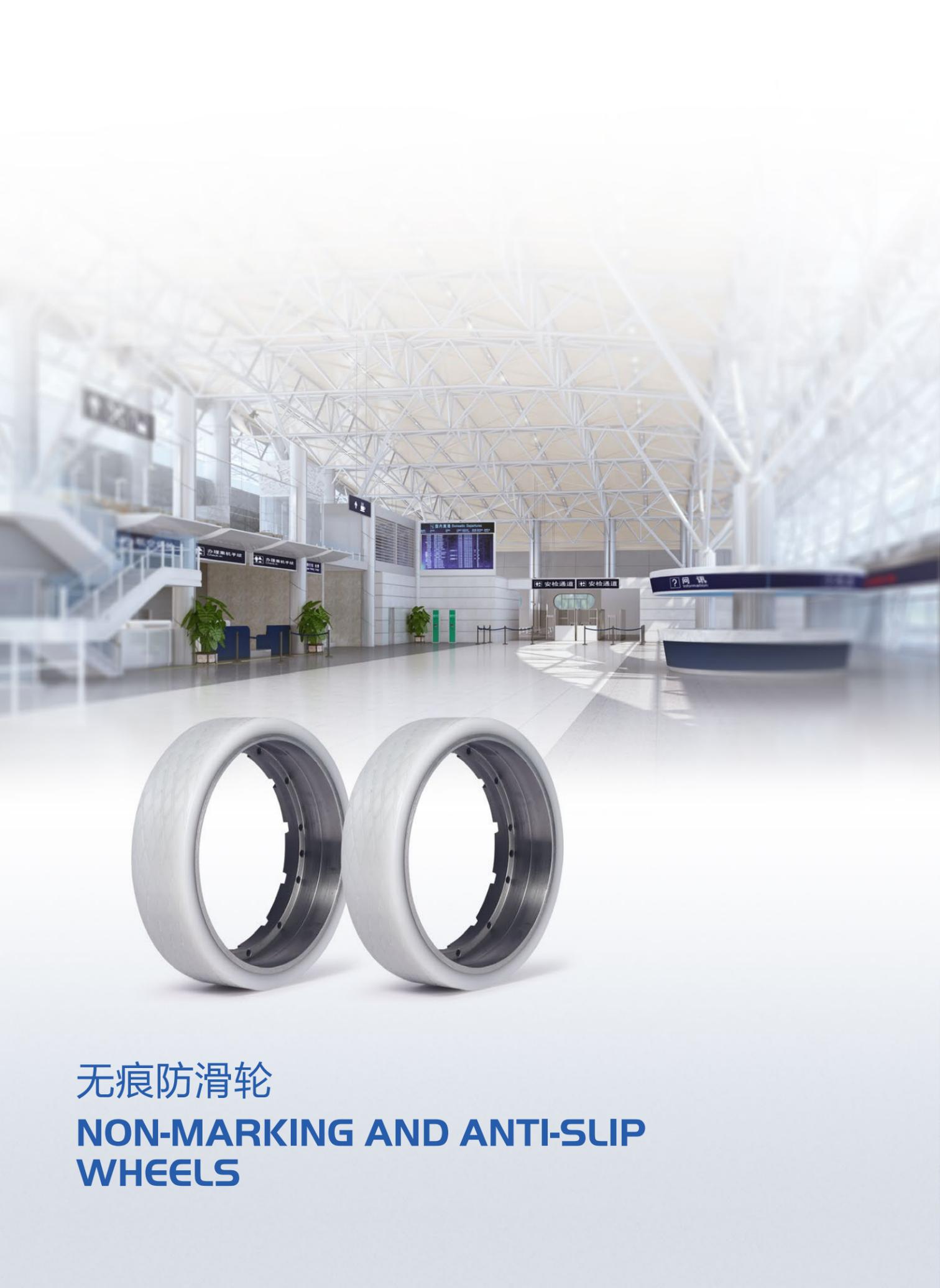
胎面: 聚氨酯  
轮芯: 铝  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 125-250mm  
负载能力: 450-1200kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
装配方式: 键槽  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: Aluminum  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 125-250mm  
Load capacity: 450-1200kgs

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Assembly method: Keyway  
Temperature range: -30°C +80°C  
Working speed: 4km/h

HEPA-200/47R-1	200	49.5	47	20	800
HEPA-200/47R-2	200	49.5	47	17	800



# 无痕防滑轮 NON-MARKING AND ANTI-SLIP WHEELS

## 无痕防滑轮

### NON-MARKING AND ANTI-SLIP WHEELS

胎面：聚氨酯  
 轮芯：钢  
 颜色：根据要求  
 硬度：92 ± 3 A  
 直径范围：100-254mm

包胶牢固  
 耐磨、弹性、低滚动阻力  
 温度范围：-30℃ +80℃  
 工作速度：16km/h  
 负载能力：300-1500kgs  
 胎面和轮芯之间由化学粘合剂  
 加固包胶牢度

Tread: Polyurethane  
 Centre: Steel  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 100-254mm

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Temperature range: -30℃ +80℃  
 Working speed: 16km/h  
 Load capacity: 300-1500kgs  
 The tyre is firmly bonded to the cast iron with  
 chemical adhesives

						
ANPS-150/40	150	40.5	110	5.5	102	500
ANPS-170/65	170	65	115	6	106	800
ANPS-180/47	180	47.5	149.5	4.5	143	600
ANPS-180/50	180	50	130	6.6	65	600
ANPS-210/80	210	80	160	6.6	150	1200



农用机械滑轮  
**AGRICULTURAL MACHINERY  
 ROLLER**

农用机械滑轮

**AGRICULTURAL MACHINERY  
 ROLLER**

胎面: 聚氨酯  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 50-150mm  
 负载能力: 200-600kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 50-150mm  
 Load capacity: 200-600kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

SERIES RPSB					
AGPS-101/35	101.6	35	35	16.7	250
AGPS-101/64-1	101.6	64	64	16.7	400
AGPS-91/36	91.5	36.6	36.6	16.7	250
AGPS-92/64-1	92	64	64	16.7	380
AGPS-127/35	127	35	35	16.7	300
AGPS-127/64	127	64	64	16.7	550
AGPS-101/64-2	101.6	64	64	16.7	400
AGPS-92/64-2	92	64	64	16.7	350
AGPS-127/64	127	64	64	16.7	480
AGPS-92/64-3	92	64	64	16.7	380
AGPS-101/64-3	101.6	64	64	16.7	400
AGPS-70/64	70	64	70.4	16.7	350
AGPS-88/35	88.9	35	35	16.7	220
AGPS-91/64	91.5	64	70.4	16.7	450



自动化传送设备轮  
**AUTOMATED CONVEYOR  
 EQUIPMENT**



自动化传送设备轮  
**AUTOMATED CONVEYOR  
 EQUIPMENT**

胎面: 聚氨酯  
 轮芯: 钢  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 30-150mm  
 负载能力: 50-1000kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Steel  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 30-150mm  
 Load capacity: 50-1000kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

STPS-35/26-8B	35	26.5	8	70
STPS-50/33-9B	50	33	9	130
STPS-60/20-20B	60	20	20	90
STPS-60/35-15B	60	35	15	160
STPS-65/40-17B	65	40	17	200
STPS-80/25-25B	80	25	25	150
STPS-85/84-20B	85	84.5	20	550



聚氨酯履带板  
POLYURETHANE TRACK  
BELT

聚氨酯履带板  
POLYURETHANE TRACK  
BELT

材料: 聚氨酯  
颜色: 根据要求  
硬度: 根据要求

Material: Polyurethane  
Color: As per request  
Hardness: As per request

客户定制产品  
Customized production as per your drawing or request.





海洋电缆管道 PU 弹性体  
**MARINE CABLE PIPE PU ELASTOMER**

聚氨酯管  
**POLYURETHANE TUBES**

颜色: 根据要求  
 硬度: 根据要求  
 直径范围: 20-120mm

Color: As per request  
 Hardness: As per request  
 Diameter range: 20-120mm

聚氨酯板材  
 由聚氨酯制成的板材  
 颜色: 根据要求  
 硬度: 根据要求  
 厚度范围: 8-100mm

Polyurethane Sheets  
 Sheets made of Polyurethane  
 Color: As per request  
 Hardness: As per request  
 Thickness range: 8-100mm



Reference Number 编号	A-Outer dia. 外径 (mm)	B-Inner dia. 内径 (mm)	C-Tota Lengthl 总长 (mm)
P20X8X500	20	8	500
P25X8X500	25	8	500
P30X8X500	30	8	500
P35X8X500	35	8	500
P40X8X500	40	8	500
P45X8X500	45	8	500
P50X8X500	50	8	500
P60X8X500	60	8	500
P70X8X500	70	8	500
P80X8X500	80	8	500
P90X8X500	90	8	500
P100X8X500	100	8	500



聚氨酯管  
 颜色：根据要求  
 硬度：根据要求  
 直径范围：12-250mm  
 Polyurethane Rods  
 Color: As per request  
 Hardness: As per request  
 Diameter range: 12-250mm



聚氨酯板  
 颜色：根据要求  
 硬度：根据要求  
 厚度范围：8-100mm  
 Polyurethane Sheet  
 Color: As per request  
 Hardness: As per request  
 Thickness range: 8-100mm

Reference Number 编号	A-Outer dia. 外径 (mm)	B-Total length 总长 (mm)	Reference Number 编号	A-Outer dia. 外径 (mm)	B-Total length 总长 (mm)
P12X500	12	500	P130X500	130	500
P14X500	14	500	P140X500	140	500
P16X500	16	500	P150X500	150	500
P18X500	18	500	P160X500	160	500
P20X500	20	500	P170X500	170	500
P25X500	25	500	P180X500	180	500
P30X500	30	500	P200X500	200	500
P35X500	35	500	P250X500	250	500
P40X500	40	500	P16X1000	16	500
P45X500	45	500	P18X1000	18	1000
P50X500	50	500	P20X1000	20	1000
P55X500	55	500	P25X1000	25	1000
P60X500	60	500	P30X1000	30	1000
P65X500	65	500	P35X1000	35	1000
P70X500	70	500	P40X1000	40	1000
P75X500	75	500	P45X1000	45	1000
P80X500	80	500	P50X1000	50	1000
P85X500	85	500	P55X1000	55	1000
P90X500	90	500	P60X1000	60	1000
P95X500	95	500	P65X1000	65	1000
P100X500	100	500	P70X1000	70	1000
P110X500	110	500	P75X1000	75	1000
P120X500	120	500	P80X1000	80	1000

Reference Number 编号	A-Length 长度 (mm)	B-Width 宽度 (mm)	C-Thickness 厚度 (mm)	Reference Number 编号	A-Length 长度 (mm)	B-Width 宽度 (mm)	C-Thickness 厚度 (mm)
P300X300X8	300	300	8	P600X600X8	600	600	8
P300X300X10	300	300	10	P600X600X10	600	600	10
P300X300X12	300	300	12	P600X600X12	600	600	12
P300X300X15	300	300	15	P600X600X15	600	600	15
P300X300X18	300	300	18	P600X600X18	600	600	18
P300X300X20	300	300	20	P600X600X20	600	600	20
P300X300X25	300	300	25	P600X600X25	600	600	25
P300X300X30	300	300	30	P600X600X30	600	600	30
P300X300X35	300	300	35	P600X600X35	600	600	35
P300X300X40	300	300	40	P600X600X40	600	600	40
P300X300X45	300	300	45	P600X600X45	600	600	45
P300X300X50	300	300	50	P600X600X50	600	600	50
P300X300X60	300	300	60	P600X600X60	600	600	60
P300X300X70	300	300	70	P600X600X70	600	600	70
P300X300X80	300	300	80	P600X600X80	600	600	80
P300X300X90	300	300	90	P600X600X90	600	600	90
P300X300X100	300	300	100	P600X600X100	600	600	100
P500X500X8	500	500	8	P1000X1000X8	1000	1000	8
P500X500X10	500	500	10	P1000X1000X10	1000	1000	10
P500X500X12	500	500	12	P1000X1000X12	1000	1000	12
P500X500X15	500	500	15	P1000X1000X15	1000	1000	15
P500X500X18	500	500	18	P1000X1000X18	1000	1000	18
P500X500X20	500	500	20	P1000X1000X20	1000	1000	20
P500X500X25	500	500	25	P1000X1000X25	1000	1000	25
P500X500X30	500	500	30	P1000X1000X30	1000	1000	30
P500X500X35	500	500	35	P1000X1000X35	1000	1000	35
P500X500X40	500	500	40	P1000X1000X40	1000	1000	40
P500X500X45	500	500	45	P1000X1000X45	1000	1000	45
P500X500X50	500	500	50	P1000X1000X50	1000	1000	50
P500X500X60	500	500	60	P1000X1000X60	1000	1000	60
P500X500X70	500	500	70	P1000X1000X70	1000	1000	70
P500X500X80	500	500	80	P1000X1000X80	1000	1000	80
P500X500X90	500	500	90	P1000X1000X90	1000	1000	90
P500X500X100	500	500	100	P1000X1000X100	1000	1000	100

# 电动叉车轮合作伙伴 ELECTRIC FORKLIFT WHEELS PARTNER





# 电动叉车轮 FORKLIFT WHEELS

## 合作伙伴 PARTNER

合力 Heli | 杭叉 Hangcha | 西林 Xiling | 诺力 Noblift | 中力 EP | 搬易通 MIMA |  
 力达 Lida | 威士海 Veshai | 中大力德 Zhongda Leader | 林德 Linde |  
 永恒力 Jungheinrich | BT | 海斯特 Hyster | 力至优 NICHYU | 阿萌尔 Amer |  
 神钢 KOBELCO | 小松 KOMATSU | 现代 HYUNDAI

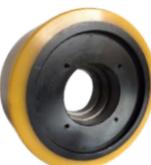
## 驱动轮 DRIVE WHEELS

胎面: 聚氨酯  
 轮芯: 铸铁 / 钢、喷漆

包胶牢固  
 耐磨、弹性、低滚动阻力  
 温度范围: -30℃ +80℃  
 工作速度: 16km/h  
 胎面和轮芯之间由化学粘合剂  
 加固包胶牢度

Tread: Polyurethane  
 Centre: Cast iron/Steel, Painted

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Temperature range: -30℃ +80℃  
 Working speed: 16km/h  
 The tyre is firmly bonded to the cast iron with  
 chemical adhesives

合力 Heli	 178X76	 178X76
 250X80	 250X80	 250X80
 250X80	 285X108	 285X108
 343X108	 343X108	 343X114
 343X114	 254X120	 80X70-47-14

驱动轮

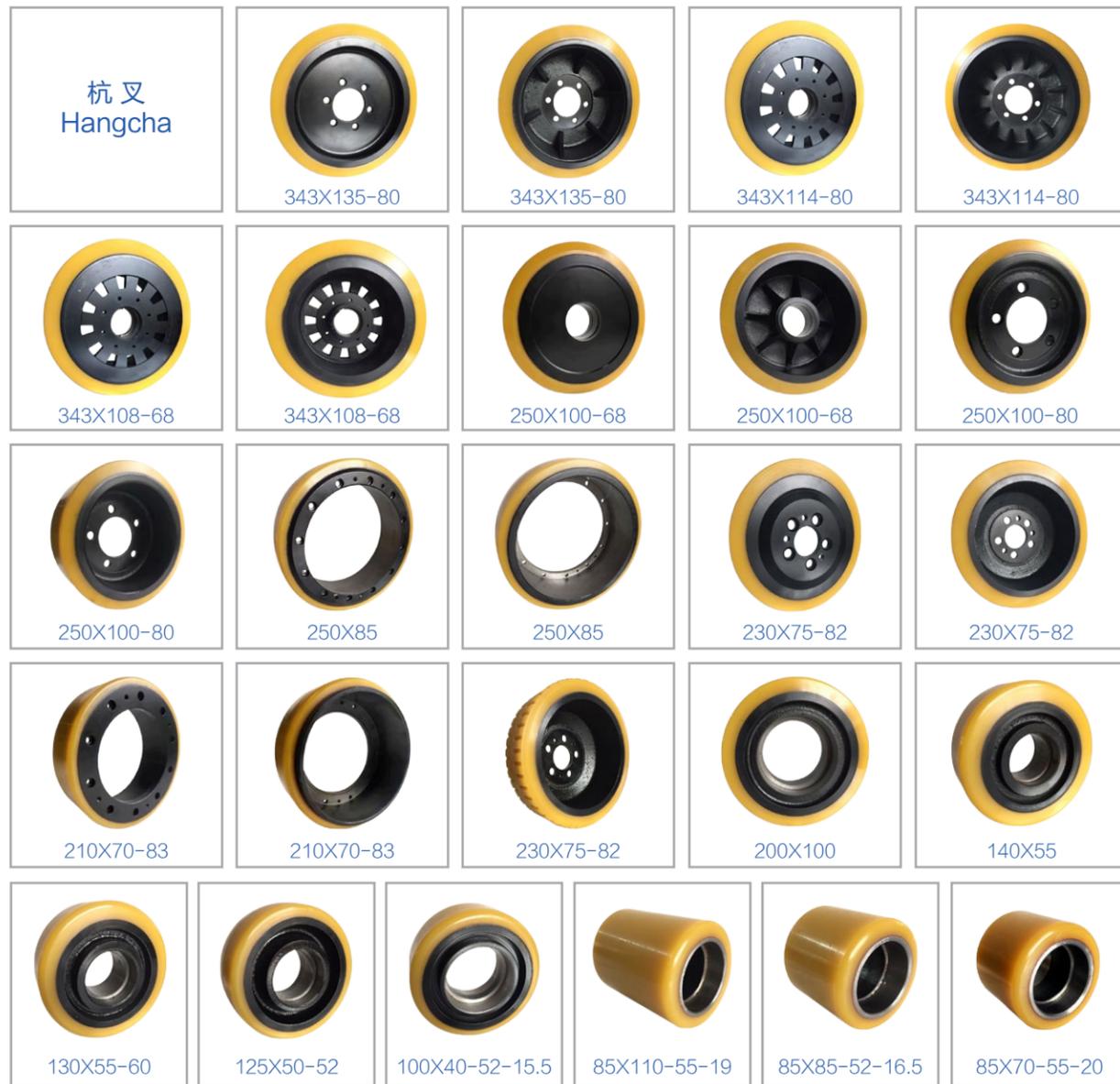
DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁 / 钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁 / 钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁/钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁/钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁 / 钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30℃ +80℃  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30℃ +80℃  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁 / 钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30℃ +80℃  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30℃ +80℃  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁/钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
轮芯: 铸铁/钢、喷漆

Tread: Polyurethane  
Centre: Cast iron/Steel, Painted

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
胎面和轮芯之间由化学粘合剂  
加固包胶牢度

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
 轮芯: 铸铁 / 钢、喷漆

Tread: Polyurethane  
 Centre: Cast iron/Steel, Painted

包胶牢固  
 耐磨、弹性、低滚动阻力  
 温度范围: -30℃ +80℃  
 工作速度: 16km/h  
 胎面和轮芯之间由化学粘合剂  
 加固包胶牢度

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Temperature range: -30℃ +80℃  
 Working speed: 16km/h  
 The tyre is firmly bonded to the cast iron with  
 chemical adhesives



驱动轮

DRIVE WHEELS

胎面: 聚氨酯  
 轮芯: 铸铁 / 钢、喷漆

Tread: Polyurethane  
 Centre: Cast iron/Steel, Painted

包胶牢固  
 耐磨、弹性、低滚动阻力  
 温度范围: -30℃ +80℃  
 工作速度: 16km/h  
 胎面和轮芯之间由化学粘合剂  
 加固包胶牢度

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Temperature range: -30℃ +80℃  
 Working speed: 16km/h  
 The tyre is firmly bonded to the cast iron with  
 chemical adhesives





聚氨酯钢芯滚轮

**POLYURETHANE ROLLERS WITH STEEL CENTER**



胎面: 聚氨酯  
 轮芯: 钢  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 50-85mm  
 负载能力: 50-1000kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Roller centre: steel  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 50-85mm  
 Load capacity: 50-1000kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES RPSB RPSB 系列**

RPSB-50/14-8B	50	14	14	8	50
RPSB-50/20-15B	50	20	20	15	75
RPSB-50/40-15B	50	40	40	15	160
RPSB-50/70-15B	50	70	70	15	250
RPSB-60/40-15B	60	40	40	15	200
RPSB-70/56-20B	70	56	56	20	350
RPSB-70/60-20B	70	60	60	20	400
RPSB-70/70-20B	70	70	70	20	430
RPSB-70/80-20B	70	80	80	20	540
RPSB-74/70-20B	74	70	70	20	500
RPSB-74/93-20B	74	93	93	20	660
RPSB-75/40-20B	75	40	40	20	290
RPSB-75/65-20B	75	65	65	20	420
RPSB-75/68-20B	75	68	68	20	450
RPSB-75/62-20B	75	62	62	20	500
RPSB-75/80-20B	75	80	80	20	530
RPSB-75/90-20B	75	90	90	20	600
RPSB-75/95-20B	75	95	95	20	700
RPSB-80/25-25B	80	25	25	25	170

**SERIES RPSB RPSB 系列**

RPSB-80/40-20B	80	40	40	20	280
RPSB-80/50-20B	80	50	50	20	400
RPSB-80/70-20B	80	70	70	20	540
RPSB-80/73-20B	80	73	73	20	560
RPSB-80/90-20B	80	90	90	20	700
RPSB-80/93-20B	80	93	93	20	720
RPSB-80/100-20B	80	100	100	20	770
RPSB-82/34-20B	82	34	34	20	260
RPSB-82/48-20B	82	48	48	20	350
RPSB-82/50-20B	82	50	50	20	380
RPSB-82/60-20B	82	60	60	20	500
RPSB-82/66-20B	82	66	66	20	550
RPSB-82/70-20B	82	70	70	20	550
RPSB-82/75-20B	82	75	75	20	600
RPSB-82/78-20B	82	78	78	20	620
RPSB-82/90-20B	82	90	90	20	700
RPSB-82/100-20B	82	100	100	20	800
RPSB-82/100-25B	82	100	100	52	800
RPSB-85/62-20B	85	62	62	20	500
RPSB-85/68-20B	85	68	68	20	550
RPSB-85/70-20B	85	70	70	20	560
RPSB-85/75-20B	85	75	75	20	600
RPSB-85/78-20B	85	78	78	20	630
RPSB-85/80-20B	85	80	80	20	650
RPSB-85/90-20B	85	90	90	20	750
RPSB-85/95-20B	85	95	95	20	780
RPSB-85/100-20B	85	100	100	20	820
RPSB-85/100-25B	85	100	100	52	820
RPSB-85/110-20B	85	110	110	20	900

聚氨酯尼龙芯滚轮  
**POLYURETHANE ROLLERS WITH NYLON CENTER**



胎面: 聚氨酯  
轮芯: 尼龙  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 80-85mm  
负载能力: 400-500kgs

Tread: Polyurethane  
Centre: Nylon  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 80-85mm  
Load capacity: 400-500kgs

包胶牢固  
耐磨、低滚动阻力、耐腐蚀  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Firmly bonded  
Abrasion-resistant, low rolling resistance, corrosion resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

**SERIES PNRH**  
PNRH 系列

	D	T	W	d	Kg
PNRH-80/70-20B	80	70	70	20	400
PNRH-80/90-20B	80	90	90	20	400
PNRH-80/93-20B	80	93	93	20	400
PNRH-82/60-20B	82	60	60	20	400
PNRH-82/65-20B	82	65	65	20	400
PNRH-82/70-20B	82	70	70	20	400
PNRH-82/90-20B	82	90	90	20	500
PNRH-82/93-20B	82	93	93	20	500
PNRH-85/70-20B	85	70	70	20	400
PNRH-85/75-20B	85	75	75	20	400
PNRH-85/90-20B	85	90	90	20	500
PNRH-85/93-20B	85	93	93	20	500

聚氨酯铁芯轮  
**POLYURETHANE WHEELS WITH CAST IRON CENTER**

胎面: 聚氨酯  
轮芯: 铸铁  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 125-300mm  
负载能力: 450-1400kgs

Tread: Polyurethane  
Centre: Cast Iron  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 125-300mm  
Load capacity: 450-1400kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
轴承: 滑动轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Plain Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h



**SERIES HBQR**  
HBQR 系列

	D	T	W	d	Kg
HBQR-125/50-31R	125	50	60	31.5	450
HBQR-150/50-31R	150	50	60	31.5	750
HBQR-200/50-31R	200	50	60	31.5	1000
HBQR-250/50-36R	250	50	60	36.5	1200
HBQR-300/50-36R	300	50	60	36.5	1400

聚氨酯铁芯轮  
**POLYURETHANE WHEELS WITH CAST IRON CENTER**

圆弧胎面 Round Tread

胎面: 聚氨酯  
钢芯: 铸铁  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 100-200mm  
负载能力: 350-750kgs

Tread: Polyurethane  
Centre: Cast Iron  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 100-200mm  
Load capacity: 350-750kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h



**SERIES HDRL**  
HDRL 系列

	D	T	W	d	Kg
HDRL-100/50-20B	100	50	50	20	350
HDRL-125/50-20B	125	50	56	20	450
HDRL-150/50-20B	150	50	56	20	550
HDRL-200/50-20B	200	50	56	20	750

聚氨酯铁芯轮  
**POLYURETHANE WHEELS  
 WITH CAST IRON CENTER**



胎面: 聚氨酯	Tread: Polyurethane
轮芯: 铸铁	Centre: Cast Iron
颜色: 根据要求	Color: As per request
硬度: 92 ± 3 A	Hardness: 92 ± 3 shore A
直径范围: 75-400mm	Diameter range: 75-400mm
负载能力: 100-3500kgs	Load capacity: 100-3500kgs
包胶牢固	Firmly bonded
耐磨、弹性、低滚动阻力	Abrasion-resistant, elastic, low rolling resistance
轴承: 滚珠轴承	Bearing: Ball Bearing
温度范围: -30°C +80°C	Temperature range: -30°C +80°C
工作速度: 4km/h	Working speed: 4km/h

**SERIES HAVB  
 HAVB 系列**

	D	T	W	d	Kg
HAVB-75/19-10B	75	19	24	10	100
HAVB-75/25-10B	75	25	40	10	150
HAVB-75/35-10B	75	35	40	10	180
HAVB-82/25-15B	82	25	25	15	180
HAVB-82/30-12B	82	30	30	12	180
HAVB-82/34-12B	82	34	34	12	200
HAVB-82/38-12B	82	38	41	12	250
HAVB-100/19-10B	100	19	24	10	130
HAVB-100/29-20B	100	29	45	20	200
HAVB-100/30-15B	100	30	30	15	250
HAVB-100/30-15B-1	100	30	39	15	250
HAVB-100/38-20B	100	38	45	20	300
HAVB-100/40-15B	100	40	40	15	270
HAVB-100/50-20B	100	50	50	20	350
HAVB-125/30-15B	125	30	30	15	300
HAVB-125/30-15B-1	125	30	35	15	300
HAVB-125/38-17B	125	38	38	17	300
HAVB-125/38-20B	125	38	60	20	400
HAVB-125/40-20B	125	40	50	20	400
HAVB-125/50-20B	125	50	50	20	400
HAVB-125/50-20B-1	125	50	60	20	450
HAVB-125/60-20B	125	60	60	20	500
HAVB-140/40-15B	140	40	45	15	400
HAVB-140/50-20B	140	50	60	20	500
HAVB-140/54-20B	140	54	60	20	550
HAVB-140/60-25B	140	60	68	25	700
HAVB-150/38-20B	150	38	60	20	750
HAVB-150/40-17B	150	40	40	17	400
HAVB-150/40-20B	150	40	50	20	500

**SERIES RPSB  
 RPSB 系列**

	D	T	W	d	Kg
HAVB-150/50-20B	150	50	50	20	800
HAVB-150/50-20B-1	150	50	60	20	800
HAVB-150/50-25B	150	50	50	25	800
HAVB-150/50-25B-1	150	50	60	25	800
HAVB-150/57-25B	150	57	57	25	600
HAVB-150/60-25B	150	60	60	25	650
HAVB-150/75-25B	150	75	82	25	1200
HAVB-150/80-30B	150	80	80	30	850
HAVB-160/47-20B	160	47	50	20	800
HAVB-160/48-20B	160	48	48	20	550
HAVB-160/50-20B	160	50	60	20	850
HAVB-160/50-25B	160	50	60	25	850
HAVB-173/60-20B	173	60	54	20	700
HAVB-175/40-20B	175	40	40	20	700
HAVB-175/50-20B	175	50	49	20	700
HAVB-180/50-20B	180	50	50	20	850
HAVB-180/50-20B-1	180	50	60	20	900
HAVB-180/50-25B	180	50	60	25	900
HAVB-180/70-25B	180	70	70	25	1200
HAVB-200/45-20B	200	45	60	20	950
HAVB-200/44-20B	200	44	60	20	800
HAVB-200/50-20B	200	50	50	20	950
HAVB-200/50-20B-1	200	50	60	20	1000
HAVB-200/50-25B	200	50	60	25	1000
HAVB-200/75-25B	200	75	82	25	1400
HAVB-200/80-30B	200	80	80	30	1400
HAVB-200/100-30B	200	100	100	30	1600
HAVB-250/45-25B	250	45	60	25	1250
HAVB-250/50-25B	250	50	60	25	1300
HAVB-250/60-25B	250	60	73	25	1400
HAVB-250/70-25B	250	70	82	25	1450
HAVB-250/75-25B	250	75	82	25	1600
HAVB-250/75-30B	250	75	90	30	1600
HAVB-250/100-30B	250	100	100	30	1800
HAVB-300/45-25B	300	45	60	25	1450
HAVB-300/50-25B	300	50	60	25	1500
HAVB-300/70-35B	300	70	73	35	2000
HAVB-300/70-30B	300	70	82	30	2000
HAVB-300/75-25B	300	75	82	25	2000
HAVB-300/90-30B	300	90	100	30	2500
HAVB-300/100-30B	300	100	100	30	2800
HAVB-400/75-25B	400	75	82	25	2100
HAVB-400/100-50B	400	100	120	50	3500

## 聚氨酯铁芯轮梅花芯

POLYURETHANE WHEELS  
WITH CAST IRON CENTER

胎面: 聚氨酯  
轮芯: 铸铁  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 100-300mm  
负载能力: 250-1250kgs

包胶牢固, 92 ± 3 shore A  
耐磨、弹性、低滚动阻力  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: Cast Iron  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 100-300mm  
Load capacity: 250-1250kgs

Firmly bonded, 92 ± 3 shore A  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

SERIES HQJV  
HQJV 系列

	D	T	W	d	Kg
HQJV-100/30-15B	100	30	30	15	250
HQJV-125/30-15B	125	30	30	15	300
HQJV-125/35-15B	125	35	35	15	320
HQJV-150/40-17B	150	40	40	17	400
HQJV-175/40-20B	175	40	50	20	550
HQJV-200/50-25B	200	50	50	25	700
HQJV-250/60-25B	250	60	60	25	1000
HQJV-300/70-30B	300	70	70	30	1250

## 聚氨酯铁芯轮加强筋

POLYURETHANE WHEELS  
WITH CAST IRON CENTER

胎面: 聚氨酯  
中心: 铸铁  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 3-16inch  
负载能力: 300-3200LBS

包胶牢固  
耐磨、弹性、低滚动阻力  
轴承: 滚针轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h  
英制

Tread: Polyurethane  
Centre: Cast Iron  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 3-16inch  
Load capacity: 300-3200LBS

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Roller Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h  
Imperial

SERIES HCFP  
HCFP 系列

	D	T	W	d	LBS
HCFP-03/10R	3	1	1-1/2	15/16	300
HCFP-34/15R	3-1/4	1-1/2	1-5/8	1-3/16	450
HCFP-34/20R	3-1/4	2	2-3/16	1-3/16	600
HCFP-04/15R	4	1-1/2	1-5/8	1-3/16	600
HCFP-04/20R	4	2	2-3/16	1-3/16	700
HCFP-05/15R	5	1-1/2	1-5/8	1-3/16	600
HCFP-05/20R	5	2	2-3/16	1-3/16	900
HCFP-06/15R	6	1-1/2	1-5/8	1-3/16	1000
HCFP-06/20R	6	2	2-3/16	1-3/16	1200
HCFP-06/25AR	6	2-1/2	2-3/4	1-3/16	1500
HCFP-06/25R	6	2-1/2	2-3/4	1-15/16	1600
HCFP-06/25CR	6	2-1/2	3-1/4	1-15/16	1600
HCFP-06/30R	6	3	3-1/4	1-15/16	2000
HCFP-08/20R	8	2	2-3/16	1-3/16	1400
HCFP-08/25AR	8	2-1/2	2-3/4	1-3/16	1500
HCFP-08/25R	8	2-1/2	2-3/4	1-15/16	2000
HCFP-08/25CR	8	2-1/2	3-1/4	1-15/16	2000
HCFP-08/30R	8	3	3-1/4	1-15/16	2500
HCFP-08/40R	8	4	4-1/4	2-7/16	3200
HCFP-10/25AR	10	2-1/2	2-3/4	1-3/16	1600

聚氨酯铁芯轮

**POLYURETHANE WHEELS WITH CAST IRON CENTER**



胎面: 聚氨酯  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 3-16inch  
 负载能力: 300-7700LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚针轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h  
 英制

Tread: Polyurethane  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 3-16inch  
 Load capacity: 300-7700LBS

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Roller Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h  
 Imperial

**SERIES HCFP**  
HCFP 系列

	D	T	W	d	LBS
HCFP-10/25R	10	2-1/2	2-3/4	1-15/16	2000
HCFP-10/25CR	10	2-1/2	3-1/4	1-15/16	2000
HCFP-10/30R	10	3	3-1/4	1-15/16	2800
HCFP-10/40R	10	4	4-1/2	1-15/16	4700
HCFP-10/40DR	10	4	4-1/4	2-7/16	5500
HCFP-12/25R	12	2-1/2	2-3/4	1-15/16	2400
HCFP-12/25CR	12	2-1/2	3-1/4	1-15/16	2400
HCFP-12/30R	12	3	3-1/4	1-15/16	3500
HCFP-12/35R	12	3-1/2	4	2-7/16	4800
HCFP-12/40R	12	4	4-1/4	2-7/16	6000
HCFP-16/30R	16	3	3-1/4	1-15/16	4500
HCFP-16/40R	16	4	4-3/4	3-9/16	7700

聚氨酯铁芯轮

**POLYURETHANE WHEELS WITH CAST IRON CENTER**

圆弧胎面 Round Tread



胎面: 圆弧  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 4-12inch  
 负载能力: 600-3500LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 空装 / 滚针轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Crown Polyurethane  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 4-12inch  
 Load capacity: 600lbs-3500LBS

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Plain / Roller Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES HFYY**  
HFYY 系列

	D	T	W	d	LBS
HFYY-04/15	4	1-1/2	1-5/8	1-3/16	600
HFYY-04/20	4	2	2-3/16	1-3/16	700
HFYY-05/15	5	1-1/2	1-5/8	1-3/16	750
HFYY-05/20	5	2	2-3/16	1-3/16	1050
HFYY-06/15	6	1-1/2	1-5/8	1-3/16	850
HFYY-06/20	6	2	2-3/16	1-3/16	1300
HFYY-06/25	6	2-1/2	2-3/4	1-15/16	1700
HFYY-06/25C	6	2-1/2	3-1/4	1-15/16	1700
HFYY-06/30	6	3	3-1/4	1-15/16	2200
HFYY-08/20	8	2	2-3/16	1-3/16	1500
HFYY-08/25	8	2-1/2	2-3/4	1-15/16	2000
HFYY-08/25C	8	2-1/2	3-1/4	1-15/16	2000
HFYY-08/30	8	3	3-1/4	1-15/16	2500
HFYY-10/25	10	2-1/2	2-3/4	1-15/16	2400
HFYY-10/25C	10	2-1/2	3-1/4	1-15/16	2400
HFYY-10/30	10	3	3-1/4	1-15/16	3000
HFYY-12/25	12	2-1/2	2-3/4	1-15/16	2700
HFYY-12/25C	12	2-1/2	3-1/4	1-15/16	2700
HFYY-12/30	12	3	3-1/4	1-15/16	3500

聚氨酯铁芯轮

**POLYURETHANE WHEELS WITH CAST IRON CENTER**



胎面: 聚氨酯  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 65 ± 3D  
 直径范围: 6-12 inch  
 负载能力: 3000-5800LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 空装 / 滚针轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 65 ± 3D  
 Diameter range: 6-12inch  
 Load capacity: 3000-5800LBS

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Plain Bearing / Roller bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES HEHD  
HEHD 系列**

HEHD-06/30	6	3	3-1/4	1-15/16	3000
HEHD-08/30	8	3	3-1/4	1-15/16	3500
HEHD-08/40	8	4	4-1/4	2-7/16	4000
HEHD-10/30	10	3	3-1/4	1-15/16	4000
HEHD-10/40	10	4	4-1/4	2-7/16	5000
HEHD-12/30	12	3	3-1/4	1-15/16	4000
HEHD-12/40	12	4	4-1/4	2-7/16	5800

聚氨酯铝芯轮

**POLYURETHANE WHEELS WITH ALUMINUM CENTER**



胎面: 聚氨酯  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 93 ± 2 A  
 直径范围: 8-12inch  
 负载能力: 2000-3500LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 空装 / 滚针轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 93 ± 2 shore A  
 Diameter range: 8-12inch  
 Load capacity: 2000-3500LBS

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Plain Bearing / Roller bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES PEDR  
PEDR 系列**

PEDR-08/30R	8	3	3-1/4	1-15/16	2500
PEDR-10/25R	10	2.5	3-1/4	1-15/16	2000
PEDR-10/30R	10	3	3-1/4	1-15/16	2800
PEDR-12/30R	12	3	3-1/4	1-15/16	3500

聚氨酯铝芯轮

**POLYURETHANE WHEELS WITH ALUMINUM CENTER**



胎面: 聚氨酯  
 中心: 铝  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 4-12inch  
 负载能力: 600-3500LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚针轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Tread: Polyurethane  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 4-12inch  
 Load capacity: 600-3500LBS

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Roller Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES PAAI  
PAAI 系列**

PAAI-04/15R	4	1-1/2	1-5/8	1-5/8	1-3/16	600
PAAI-04/20R	4	2	2-3/16	1-5/8	1-3/16	700
PAAI-05/15R	5	1-1/2	1-5/8	1-5/8	1-3/16	700
PAAI-05/20R	5	2	2-3/16	1-3/4	1-3/16	1000
PAAI-06/15R	6	1-1/2	1-5/8	1-5/8	1-3/16	1000
PAAI-06/20R	6	2	2-3/16	1-3/4	1-3/16	1200
PAAI-06/25R	6	2-1/2	2-3/4	1-3/4	1-3/16	1600
PAAI-06/30R	6	3	3-1/4	2-9/16	1-15/16	2000
PAAI-08/20R	8	2	2-3/16	1-3/4	1-3/16	1500
PAAI-08/30R	8	3	3-1/4	2-9/16	1-15/16	2500
PAAI-10/25R	10	2-1/2	2-3/4	2-9/16	1-15/16	2200
PAAI-10/25CR	10	2-1/2	3-1/4	2-9/16	1-15/16	2200
PAAI-10/30R	10	3	3-1/4	2-9/16	1-15/16	3000
PAAI-12/30R	12	3	3-1/4	2-9/16	1-15/16	3500

聚氨酯铝芯轮

**POLYURETHANE WHEELS WITH ALUMINUM CENTER**



胎面: 聚氨酯  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 92 ± 3 A  
 直径范围: 100-300mm  
 负载能力: 140-1800kgs

Tread: Polyurethane  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 92 ± 3 shore A  
 Diameter range: 100-300mm  
 Load capacity: 140-1800kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 4km/h

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES PEBM  
PEBM 系列**

	D	T	W	d	Kg
PEBM-100/30-15B	100	30	34	15	220
PEBM-100/40-15B-1	100	40	40	15	300
PEBM-100/40-15B-2	100	40	45	15	300
PEBM-125/30-15B	125	30	50	15	320
PEBM-125/40-20B	125	40	50	20	400
PEBM-125/50-20B-1	125	50	50	20	450
PEBM-125/50-20B-2	125	50	60	20	450
PEBM-125/54-20B	125	54	60	20	500
PEBM-140/54-20B	140	54	60	20	550
PEBM-150/40-20B	150	40	50	20	500
PEBM-150/50-20B-1	150	50	50	20	550
PEBM-150/50-20B-2	150	50	60	20	550
PEBM-150/54-20B	150	54	60	20	600
PEBM-160/50-20B-1	160	50	50	20	600
PEBM-160/50-20B-2	160	50	60	20	600
PEBM-170/45-20B	170	45	57	20	600
PEBM-170/50-20B	170	50	58	20	650
PEBM-175/50-20B-1	175	50	50	20	650
PEBM-175/50-20B-2	175	50	60	20	650
PEBM-180/50-20B-1	180	50	50	20	700

**SERIES PEBM  
PEBM 系列**

	D	T	W	d	Kg
PEBM-180/50-20B-2	180	50	60	20	700
PEBM-190/50-20B	190	50	60	20	750
PEBM-200/50-20B-1	200	50	50	20	800
PEBM-200/50-20B-2	200	50	60	20	800
PEBM-200/76-25B	200	76	82	25	1200
PEBM-250/50-25B-1	250	50	50	25	1000
PEBM-250/50-25B-2	250	50	60	25	1000
PEBM-250/57-30B	250	57	60	30	1100
PEBM-250/63-25B	250	63	82	25	1200
PEBM-250/76-25B	250	76	82	25	1500
PEBM-300/60-25B	300	60	60	25	1500
PEBM-300/76-25B	300	76	82	25	1800

符合人体工学的弹力聚氨酯铝芯轮

**ERGONOMIC ELASTIC POLYURETHANE WHEELS WITH ALUMINUM CENTER**

胎面: 聚氨酯  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 85 ± 2 A  
 直径范围: 4-8inch  
 负载能力: 300-1800kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -30°C +80°C  
 工作速度: 6km/h

Tread: Polyurethane  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 85 ± 2 shore A  
 Diameter range: 4-8inch  
 Load capacity: 300-1800kgs

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 6km/h



**SERIES PARO  
PARO 系列**

	D	T	W	d	LBS
PARO-04/20-17B	4	2	2-3/16	17	300
PARO-05/20-17B	5	2	2-3/16	17	800
PARO-06/02-17B	6	2	2-3/16	17	1200
PARO-08/02-17B	8	2	2-3/16	17	1800

## 聚氨酯铝芯轮

POLYURETHANE WHEELS  
WITH ALUMINUM CENTER

胎面: 聚氨酯  
轮芯: 铝  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 100-150mm  
负载能力: 180-1000kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: Aluminum  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 100-150mm  
Load capacity: 180-1000kgs

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

SERIES PEAW  
PEAW 系列

	D	T	W	d	Kg
PEAW-100/30-12B	100	30	40	12	180
PEAW-100/38-12B	100	38	41	12	200
PEAW-100/38-12B	100	38	44	12	200
PEAW-100/40-12B	100	40	38	12	200
PEAW-100/40-12B	100	40	40	12	200
PEAW-125/38-12B-1	125	38	41	12	300
PEAW-125/38-12B-2	125	38	44	12	300
PEAW-150/38-12B	150	38	41	12	350
PEAW-150/76-25B	150	76	82	25	1000

## 导向轮

## GUIDE ROLLERS

胎面: 聚氨酯  
轮芯: 轴承  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 30-85mm  
负载能力: 20-80 kgs

包胶牢固  
耐磨、低滚动阻力、低噪音运行  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: bearing  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 30-85mm  
Load capacity: 20-80 kgs

Firmly bonded  
Abrasion-resistant, low rolling resistance,  
low noise operation  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

SERIES GRPB  
GRPB 系列

	D	T	W	d	Kg
GRPB-30X11-8B	30	11	11	608ZZ	20
GRPB-38X10-8B	38	10	10	608ZZ	30
GRPB-40X15-10B	40	15	15	6000ZZ	30
GRPB-45X17-15B	45	17	17	6202ZZ	50
GRPB-50X15-8B	50	15	15	608ZZ	50
GRPB-50X20-12B	50	20	20	6201ZZ	60
GRPB-60X20-17B	60	20	20	6203ZZ	70
GRPB-70X25-20B	70	25	25	6204ZZ	75
GRPB-85X25-20B	85	25	25	6304ZZ	80

## 聚氨酯铝芯轮

POLYURETHANE WHEELS  
WITH ALUMINUM CENTER

胎面: 聚氨酯  
轮芯: 铝  
颜色: 根据要求  
硬度: 85 ± 3 A  
直径范围: 80-250mm  
负载能力: 250-950kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: Aluminum  
Color: As per request  
Hardness: 85 ± 3 shore A  
Diameter range: 80-250mm  
Load capacity: 250-950kgs

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

SERIES GRPB  
GRPB 系列

	D	T	W	d	Kg
PABM-80/40-15B	80	40	40	15	250
PABM-100/40-15B	100	40	40	15	300
PABM-100/50-20B	100	50	60	20	380
PABM-125/40-15B	125	40	40	15	380
PABM-125/50-20B	125	50	60	20	480
PABM-160/50-20B	160	50	60	20	600
PABM-200/50-20B	200	50	60	20	760
PABM-250/50-25B	250	50	60	25	950

# 橡胶轮 RUBBER WHEELS

## 橡胶铝芯轮 RUBBER WHEELS WITH ALUMINUM CENTER

胎面: 橡胶  
轮芯: 铝  
颜色: 根据要求  
硬度: 根据要求  
直径范围: 100-300mm  
负载能力: 100-700kgs

包胶牢固, 75 ± 3A  
耐磨、弹性、低滚动阻力  
轴承: 滚珠轴承  
温度范围: -20°C +50°C  
工作速度: 4km/h

Tread: Rubber  
Centre: Aluminum  
Color: As per request  
Hardness: As per request  
Diameter range: 100-300mm  
Load capacity: 100-700kgs

Firmly bonded, 75 ± 3A  
Abrasion-resistant, elastic, low rolling resistance  
Bearing: Ball Bearing  
Temperature range: -20°C +50°C  
Working speed: 4km/h



### SERIES RAAF RAAF 系列

RAAF-40/15-B-1	100	40	40	15	100
RAAF-45/15-B-2	100	40	45	15	100
RAAF-128/38-12B	128	38	41	12	150
RAAF-125/40-20B-1	125	40	45	20	150
RAAF-125/40-20B-2	125	40	50	20	150
RAAF-125/50-20B-1	125	50	50	20	200
RAAF-125/50-20B-2	125	50	60	20	200
RAAF-150/38-12B	150	38	41	12	250
RAAF-150/50-20B-1	150	50	50	20	300
RAAF-150/50-20B-2	150	50	60	20	300
RAAF-160/50-20B-1	160	50	50	20	350
RAAF-160/50-20B-2	160	50	60	20	350
RAAF-170/50-20B	170	50	58	20	350
RAAF-180/50-20B-1	180	50	50	20	400
RAAF-180/50-20B-2	180	50	60	20	400
RAAF-200/50-20B-1	200	50	50	20	450
RAAF-200/50-20B-2	200	50	60	20	450
RAAF-250/50-20B-1	250	50	50	20	550
RAAF-250/50-20B-2	250	50	60	20	550
RAAF-300/57-25B-1	300	57	60	25	650
RAAF-300/57-25B-2	300	57	60	30	650
RAAF-300/60-25B	300	60	60	25	700

橡胶铝芯轮

**RUBBER WHEELS WITH ALUMINUM CENTER**



胎面: 橡胶  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 75 ± 3 A  
 直径范围: 100-300mm  
 负载能力: 100-700kgs

Tread: Rubber  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 75 ± 3 shore A  
 Diameter range: 100-300mm  
 Load capacity: 100-700kgs

包胶牢固  
 耐磨、弹性、低滚动阻力  
 温度范围: -20°C +50°C  
 工作速度: 4km/h

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Temperature range: -20°C +50°C  
 Working speed: 4km/h

橡胶轮芯轮

**RUBBER WHEELS WITH ALUMINUM CENTER**



胎面: 橡胶  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 75 ± 3 A  
 直径范围: 4-12inch  
 负载能力: 250-1400LBS

Tread: Rubber  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 75 ± 3 shore A  
 Diameter range: 4-12inch  
 Load capacity: 250-1400LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚针轴承  
 温度范围: -20°C +50°C  
 工作速度: 4km/h

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Roller Bearing  
 Temperature range: -20°C +50°C  
 Working speed: 4km/h

**SERIES RABW**  
**RABW 系列**

RABW-100/38-12B-1	100	38	41	12	100
RABW-100/38-12B-2	100	38	44	12	100
RABW-100/40-12B	100	40	40	12	100
RABW-125/38-15B	125	38	41	15	150
RABW-150/38-15B	150	38	41	15	250
RABW-200/63-20B	200	63	70	20	480
RABW-200/76-25B	200	76	82	25	500
RABW-250/63-20B	250	63	70	20	580
RABW-250/76-25B	250	76	82	25	600
RABW-300/76-25B	300	76	82	25	700

**SERIES RACT**  
**RADI 系列**

RADI-04/20R	4	2	2-3/16	1-3/16	250
RADI-05/15R	5	1-1/2	1-5/8	1-3/16	300
RADI-05/20R	5	2	2-3/16	1-3/16	500
RADI-06/15R	6	1-1/2	1-5/8	1-3/16	500
RADI-06/20R	6	2	2-3/16	1-3/16	550
RADI-08/15R	8	1-5/8	1-13/16	1-3/8	700
RADI-08/20R	8	2	2-3/16	1-3/16	800
RADI-08/25R	8	2-1/2	2-3/4	1-9/16	900
RADI-08/30R	8	3	3-1/4	1-15/16	1000
RADI-10/25R	10	2-1/2	2-3/4	1-9/16	1000
RADI-10/30R	10	3	3-1/4	1-15/16	1200
RADI-12/30R	12	3	3-1/4	1-15/16	1400

橡胶铝芯轮

**RUBBER WHEELS WITH ALUMINUM CENTER**

圆弧胎面 Round Tread



胎面: 黑色和灰色橡胶  
 轮芯: 铝  
 颜色: 根据要求  
 硬度: 75 ± 3 A  
 直径范围: 6-8inch  
 负载能力: 750-1000kgs  
 包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚针轴承  
 温度范围: -20°C +50°C  
 工作速度: 4km/h

Tread: Black & Grey Rubber  
 Centre: Aluminum  
 Color: As per request  
 Hardness: 75 ± 3 shore A  
 Diameter range: 6-8inch  
 Load capacity: 750-1000kgs  
 Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Roller bearing  
 Temperature range: -20°C +50°C  
 Working speed: 4km/h

**SERIES RACB RACB 系列**

	D	T	W	d	LBS
RACB-06/20R	6	2	2-3/16	1-3/16	750
RACB-08/20R	8	2	2-3/16	1-3/16	1000
RACB-06/20B	6	2	2-3/16	17	800
RACG-06/20R	6	2	2-3/16	1-3/16	750
RACG-08/20R	8	2	2-3/16	1-3/16	1000
RACG-06/20B	6	2	2-3/16	17	800

橡胶铁芯轮

**RUBBER WHEELS WITH CAST IRON CENTER**

胎面: 橡胶  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 75 ± 3 A  
 直径范围: 100-300mm  
 负载能力: 150-800kgs  
 包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚珠轴承  
 温度范围: -20°C +50°C  
 工作速度: 4km/h

Tread: Rubber  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 75 ± 3 shore A  
 Diameter range: 100-300mm  
 Load capacity: 150-800kgs  
 Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Ball Bearing  
 Temperature range: -20°C +50°C  
 Working speed: 4km/h



**SERIES RCAL/RCBV RCAL/RCBV 系列**

	D	T	W	d	∅	Kg
RCBV-100/50-20B	100	50	60	60	20	150
RCBV-125/40-10B	125	40	46	46	10	200
RCBV-125/50-20B	125	50	60	59	20	250
RCBV-200/50-20B	200	50	60	62	20	600
RCBV-250/50-25B	250	50	60	70	25	700
RCBV-250/57-25B	250	57	60	70	25	750
RCBV-300/50-25B	300	50	60	67	25	750
RCBV-300/90-30B	300	90	100	88	30	800

橡胶铁芯轮

**RUBBER WHEELS WITH CAST IRON CENTER**

胎面: 橡胶  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 75 ± 3 A  
 直径范围: 100-300mm  
 负载能力: 150-800kgs  
 包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚针轴承  
 温度范围: -20°C +50°C  
 工作速度: 4km/h

Tread: Rubber  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 75 ± 3 shore A  
 Diameter range: 100-300mm  
 Load capacity: 150-800kgs  
 Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Roller Bearing  
 Temperature range: -20°C +50°C  
 Working speed: 4km/h



**SERIES RCAL RCAL 系列**

	D	T	W	d	∅	Kg
RCAL-100/34-20R	100	34	45	35	20	150
RCAL-125/50-31L	125	50	60	44	31.5	250
RCAL-150/50-31L	150	50	60	44	31.5	400
RCAL-200/50-31L	200	50	60	52	31.5	600
RCAL-250/50-36L	250	50	60	70	36.5	700
RCAL-300/50-36L	300	50	60	70	36.5	800

## 橡胶铁芯轮

**RUBBER WHEELS WITH  
CAST IRON CENTER**

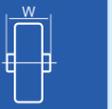
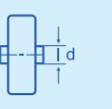
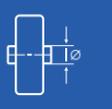
胎面: 橡胶  
 轮芯: 铸铁  
 颜色: 根据要求  
 硬度: 75±3 A  
 直径范围: 4-12inch  
 负载能力: 300-1400LBS

包胶牢固  
 耐磨、弹性、低滚动阻力  
 轴承: 滚针轴承  
 温度范围: -20°C +50°C  
 工作速度: 4km/h

Tread: Rubber  
 Centre: Cast Iron  
 Color: As per request  
 Hardness: 75±3 shore A  
 Diameter range: 4-12inch  
 Load capacity: 300-1400LBS

Firmly bonded  
 Abrasion-resistant, elastic, low rolling resistance  
 Bearing: Roller Bearing  
 Temperature range: -20°C +50°C  
 Working speed: 4km/h

**SERIES RCCI**  
RCCI 系列

						
RCCI-04/20R	4	2	2-3/16	1-11/16	1-3/16	300
RCCI-05/20R	5	2	2-3/16	1-11/16	1-3/16	450
RCCI-06/20R	6	2	2-3/16	1-11/16	1-3/16	500
RCCI-06/25AR	6	2-1/2	2-3/4	1-11/16	1-3/16	550
RCCI-06/25CR	6	2-1/2	3-1/4	2-1/2	1-15/16	700
RCCI-06/30R	6	3	3-1/4	2-1/2	1-15/16	750
RCCI-08/20R	8	2	2-3/16	1-11/16	1-3/16	800
RCCI-08/25AR	8	2-1/2	2-3/4	1-11/16	1-3/16	800
RCCI-08/25CR	8	2-1/2	3-1/4	2-1/2	1-15/16	900
RCCI-08/30R	8	3	3-1/4	2-1/2	1-15/16	1200
RCCI-10/25AR	10	2-1/2	2-3/4	1-11/16	1-3/16	900
RCCI-10/25CR	10	2-1/2	3-1/4	2-1/2	1-15/16	1000
RCCI-10/30R	10	3	3-1/4	2-1/2	1-15/16	1300
RCCI-12/25CR	12	2-1/2	3-1/4	2-1/2	1-15/16	1100
RCCI-12/30R	12	3	3-1/4	2-1/2	1-15/16	1400

**驱动轮**  
**DRIVE WHEELS**

驱动轮  
DRIVE WHEELS



胎面: Gravollan  
轮芯: 铸铁 / 球墨铁  
颜色: 浅棕色  
硬度: 92 ± 3 A  
直径范围: 230-254mm  
负载能力: 1300-2100kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +120°C  
工作速度: 20km/h  
胎面和轮芯由化学粘合剂  
加固包胶牢度

Tread: Gravollan  
Centre: Cast iron / ductile iron  
Color: Light Brown  
Hardness: 92 ± 3 shore A  
Diameter range: 230-254mm  
Load capacity: 1300-2100kgs

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +120°C  
Working speed: 20km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives

SERIES DWPS  
DWPS 系列

	D	T				Kg
DWPS-230/70	230	70	45	14	70	1300
DWPS-250/80	250	80	80	15	112	1600
DWPS-230/70	230	70	45	14	70	1300
DWPS-230/75-45	230	75	45	13	70	1500
DWPS-230/75-80	230	75	80	14	112	1400
DWPS-230/80	230	80	65	14	95	1150
DWPS-230/82	230	82	45	14	70	1500
DWPS-230/90	230	90	45	13	70	1300
DWPS-250/75-80A	250	75	80	15.5	112	1450
DWPS-250/75-80B	250	75	80	18.5	112	1450
DWPS-250/80	250	80	80	15	112	1600
DWPS-250/82	250	82	80	18.5	112	1700
DWPS-254/102	254	102	80	18	112	2000
DWPS-200/85	200	85	50	10.5	72	1300
DWPS-230/80	230	80	65	14	95	1150
DWPS-230/90-30	230	90	30	13.5	65	1650
DWPS-230/90-65	230	90	65	13	95	1650
DWPS-254/100	254	100	80	18.5	112	2100

驱动轮  
DRIVE WHEELS



胎面: 弹性橡胶轮胎  
轮芯: 铸铁, 喷漆  
颜色: 黑色  
硬度: 75 ± 3 A  
直径范围: 200-254mm

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 16km/h  
载重量: 350-850kgs  
胎面和轮芯由化学粘合剂  
加固包胶牢度

Tread: Elastic rubber-tyre  
Centre: Cast iron, Painted  
Color: Black  
Hardness: 75 ± 3 shore A  
Diameter range: 200-254mm

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 16km/h  
Load capacity: 350-850kgs  
The tyre is firmly bonded to the cast iron with  
chemical adhesives

SERIES DWRB  
DWRB 系列

	D	T				Kg
DWRB-200/75	200	75	M10	10.5	52	350
DWRB-200/85	200	85	50	10.5	72	440
DWRB-230/70	230	70	45	14	70	315
DWRB-230/75	230	75	45	13	70	600
DWRB-230/82	230	82	45	14	70	530
DWRB-230/85	230	85	80	14	112	700
DWRB-230/90-65	230	90	65	13	95	750
DWRB-230/90-30	230	90	30	13	65	500
DWRB-230/90-45	230	90	45	13	70	750
DWRB-233/85	233	85	50	12.5	80	700
DWRB-250/105	250	105	80	18.5	112	850
DWRB-254/102	254	102	80	18	112	800

驱动轮  
**DRIVE WHEELS**



胎面: Elaxthane  
轮芯: 铸铁和钢  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 125-350mm  
负载能力: 520-3100kgs

包胶牢固  
耐磨、弹性、低滚动阻力  
温度范围: -30°C +80°C  
工作速度: 20km/h  
胎面和轮芯由化学粘合剂  
加固包胶牢度

Tread: Elaxthane  
Centre: Cast iron and steel  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 125-350mm  
Load capacity: 520-3100kgs

Firmly bonded  
Abrasion-resistant, elastic, low rolling resistance  
Temperature range: -30°C +80°C  
Working speed: 20km/h  
The tyre is firmly bonded to the cast iron with  
chemical adhesives

**SERIES HSTY**  
**HSTY 系列**

				
HSTY-125/50	125	50	75	520
HSTY-150/40	150	40	100	600
HSTY-150/50	150	50	100	650
HSTY-150/75	150	75	100	950
HSTY-180/50	180	50	120	750
HSTY-200/75	200	75	100	1040
HSTY-200/80	200	80	120	1250
HSTY-200/105	200	105	120	1600
HSTY-230/100	230	100	140	1750
HSTY-250/80	250	80	170	1600
HSTY-250/105	250	105	170	2000
HSTY-285/75	285	75	220	1800
HSTY-285/100	285	100	228	2400
HSTY-285/125	285	125	220	2400
HSTY-300/90	300	90	203	2000
HSTY-343/114	343	114	225	2700
HSTY-350/110	350	110	270	3100

尼龙轮  
**NYLON WHEELS**



尼龙轮  
**NYLON WHEELS**



优质尼龙制成  
 颜色：自然色  
 直径范围：175-200mm  
 负载能力：500-900kgs

耐磨、低滚动阻力、耐腐蚀  
 轴承：滚珠轴承  
 温度范围：-20°C +80°C  
 工作速度：4km/h

Made of high-quality nylon  
 Color: natural colour  
 Diameter range: 175-200mm  
 Load capacity: 500-900kgs

Abrasion-resistant, low rolling resistance, corrosion resistance  
 Bearing: Ball Bearing  
 Temperature range: -20°C +80°C  
 Working speed: 4km/h

**SERIES NDKO**  
 NDKO 系列

NDKO-175/50-20B	175	50	50	20	500
NDKO-180/50-20B	180	50	50	20	800
NDKO-200/50-20B	200	50	50	20	900

尼龙轮  
**NYLON WHEELS**



由优质尼龙制成  
 颜色：自然色  
 直径范围：175-200mm  
 负载能力：450-700kgs

耐磨、低滚动阻力、耐腐蚀  
 轴承：滚珠轴承  
 温度范围：-20°C +80°C  
 工作速度：4km/h

Made of high-quality nylon  
 Color: natural colour  
 Diameter range: 175-200mm  
 Load capacity: 450-700kgs

Abrasion-resistant, low rolling resistance, corrosion resistance  
 Bearing: Ball Bearing  
 Temperature range: -20°C +80°C  
 Working speed: 4km/h

**SERIES NDFO**  
 NDFO 系列

NDFO-175/48-20B	175	48	52	20	450
NDFO-180/50-20B	180	50	56	20	500
NDFO-200/50-20B	200	50	56	20	700

聚氨酯尼龙芯轮  
**POLYURETHANE WHEELS WITH NYLON CENTER**



胎面：聚氨酯  
 轮芯：尼龙  
 颜色：根据要求  
 硬度：92±3 A  
 直径范围：127-250mm  
 负载能力：300-650kgs

包胶牢固  
 耐磨、低滚动阻力、耐腐蚀  
 轴承：滚珠轴承  
 温度范围：-30°C +80°C  
 工作速度：4km/h

Tread: Polyurethane  
 Centre: Nylon  
 Color: As per request  
 Hardness: 92±3 shore A  
 Diameter range: 127-250mm  
 Load capacity: 300-650kgs

Firmly bonded  
 Abrasion-resistant, low rolling resistance, corrosion resistance  
 Bearing: Ball Bearing  
 Temperature range: -30°C +80°C  
 Working speed: 4km/h

**SERIES PNFQ**  
 PNFQ 系列

PNFQ-127/36/17B	127	36	40	17	300
PNFQ-150/40-50B	150	40	59	15	350
PNFQ-180/48-20B	180	48	52	20	450
PNFQ-200X50-20B	200	50	50	20	600
PNFQ-250/50-25B	250	50	50	25	650

## 尼龙滚轮 NYLON ROLLERS



由优质尼龙制成  
颜色：自然色  
直径范围：74-85mm  
负载能力：600-1000kgs

耐磨、低滚动阻力  
轴承：滚珠轴承  
温度范围：-20℃ +80℃  
工作速度：4km/h

Made of high-quality nylon  
Color: natural colour  
Diameter range: 74-85mm  
Load capacity: 600-1000kgs

Abrasion-resistant, low rolling resistance  
Bearing: Ball Bearing  
Temperature range: -20℃ +80℃  
Working speed: 4km/h

### SERIES NDRV NDRV 系列

NDRV-74/70-20B	74	70	70	20	600
NDRV-74/93-20B	74	93	93	20	800
NDRV-78/70-20B	78	70	70	20	600
NDRV-78/100-20B	78	100	100	20	900
NDRV-80/60-20B	80	60	60	20	600
NDRV-80/70-20B	80	70	70	20	700
NDRV-80/80-20B	80	80	80	20	800
NDRV-80/90-20B	80	90	90	20	850
NDRV-80/93-20B	80	93	93	20	900
NDRV-80/100-20B	80	100	100	20	950
NDRV-81/50-20B	81	50	50	20	550
NDRV-82/60-20B	82	60	60	20	700
NDRV-82/65-20B	82	65	65	20	750
NDRV-82/70-20B	82	70	70	20	780
NDRV-82/92-20B	82	92	92	20	800
NDRV-82/93-20B	82	93	93	20	950
NDRV-85/75-20B	85	75	75	20	950
NDRV-85/90-20B	85	90	90	20	950
NDRV-85/98-17B	85	98	102	17	1000
NDRV-85/100-20B	85	100	100	20	1000

## 注塑聚氨酯轮 INJECTION POLYURETHANE WHEELS



聚氨酯 PP 注塑轮  
**POLYURETHANE WHEELS WITH PP CENTER**



胎面: 聚氨酯  
轮芯: PP  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 100-125mm  
负载能力: 150-250kgs  
包胶牢固  
耐磨、低滚动阻力、耐腐蚀  
轴承: 滚针轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: PP  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 100-125mm  
Load capacity: 150-250kgs  
Firmly bonded  
Abrasion-resistant, low rolling resistance, corrosion resistance  
Bearing: Roller Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

**SERIES PNTT**  
PNTT 系列

	D	T	W	d	Kg
PNTT-100/28R	100	28	39	21.6	150
PNTT-100/35R	100	35	48	23.4	200
PNTT-125/35R	125	35	48	23.4	250

聚氨酯 PP 注塑轮  
**POLYURETHANE WHEELS WITH PP CENTER**



胎面: 聚氨酯  
轮芯: PP  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 3-5inch  
负载能力: 250-300LBS  
包胶牢固  
耐磨、低滚动阻力、耐腐蚀  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: PP  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 3-5inch  
Load capacity: 250-300LBS  
Firmly bonded  
Abrasion-resistant, low rolling resistance, corrosion resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

**SERIES PPAJ**  
PPAJ 系列

	D	T	W	d	LBS
PPAJ-03/14P	3	1-1/4	1-9/16	9.7	250
PPAJ-04/14P	4	1-1/4	1-9/16	9.7	300
PPAJ-05/14P	5	1-1/4	1-9/16	9.7	300

聚氨酯 PP 注塑轮  
**POLYURETHANE WHEELS WITH PP CENTER**



胎面: 聚氨酯  
轮芯: PP  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 4-8inch  
负载能力: 700-950LBS  
包胶牢固  
耐磨、低滚动阻力、耐腐蚀  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: PP  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 4-8inch  
Load capacity: 700-950LBS  
Firmly bonded  
Abrasion-resistant, low rolling resistance, corrosion resistance  
Temperature range: -30°C +80°C  
Working speed: 4km/h

**SERIES PPVD**  
PPVD 系列

	D	T	W	d	LBS
PPVD-04/02R	4	2	2-3/16	1-3/16	700
PPVD-05/02R	5	2	2-3/16	1-3/16	750
PPVD-06/15R	6	1-1/2	1-5/8	1-3/16	700
PPVD-06/02R	6	2	2-3/16	1-3/16	900
PPVD-08/02R	8	2	2-3/16	1-3/16	950

聚氨酯 PP 注塑轮  
**POLYURETHANE WHEELS WITH PP CENTER**



胎面: 聚氨酯  
轮芯: PP  
颜色: 根据要求  
硬度: 92 ± 3 A  
直径范围: 5-8inch  
负载能力: 750-950LBS  
包胶牢固  
耐磨、低滚动阻力、耐腐蚀  
轴承: 滚珠轴承  
温度范围: -30°C +80°C  
工作速度: 4km/h

Tread: Polyurethane  
Centre: PP  
Color: As per request  
Hardness: 92 ± 3 shore A  
Diameter range: 5-8inch  
Load capacity: 750-950LBS  
Firmly bonded  
Abrasion-resistant, low rolling resistance, corrosion resistance  
Bearing: Ball Bearing  
Temperature range: -30°C +80°C  
Working speed: 4km/h

**SERIES PPVF**  
PPVF 系列

	D	T	W	d	LBS
PPVF-05/02B	5	2	2-3/16	17	750
PPVF-06/02B	6	2	2-3/16	17	900
PPVF-08/02B	8	2	2-3/16	17	950

## 铸铁轮

## CAST IRON WHEELS



### 铸铁轮

### CAST IRON WHEELS

铸铁制成，圆弧胎面  
喷漆颜色：银色、黑色等  
装配滚珠轴承和油嘴  
直径范围：150-250mm

高耐磨性  
滚动阻力低  
温度范围：-40℃ +140℃  
负载能力：600-1400kgs

Made of cast iron, Round tread  
Lacquered colour: silver and black and so on  
With ball bearing and grease nipple  
Diameter range: 150-250mm

High abrasion resistance  
Low rolling resistance  
Temperature range: -40℃ +140℃  
Load capacity: 600-1400kgs



#### SERIES CIRB CIRB 系列

					
CIRB-150/45-20B	150	45	60	20	600
CIRB-160/50-20B	160	50	60	20	800
CIRB-200/45-20B	200	45	60	20	1000
CIRB-250/54-20B	250	54	60	20	1400

### 铸铁轮

### CAST IRON WHEELS

铸铁制成，圆弧胎面  
喷漆颜色：银色、黑色等  
装配滚针轴承和油嘴  
直径范围：100-250mm

高耐磨性  
滚动阻力低  
温度范围：-40℃ +140℃  
负载能力：300-1400kgs

Made of cast iron, Round tread  
Lacquered colour: silver and black and so on  
With Roller bearing and grease nipple  
Diameter range: 100-250mm

High abrasion resistance  
Low rolling resistance  
Temperature range: -40℃ +140℃  
Load capacity: 300-1400kgs



#### SERIES CITT CITT 系列

					
CITT-100/38R	100	38	45	20	300
CITT-150/45R	150	45	60	31.5	600
CITT-200/45R	200	45	60	31.5	1100
CITT-250/54R	250	54	60	36.5	1400



铸铁轮  
CAST IRON WHEELS

铸铁制成，平胎面  
喷漆颜色：银色、黑色等  
空装或者装配滚针轴承  
直径范围：3-12inch

高耐磨性  
滚动阻力低  
温度范围：-40°C +140°C  
负载能力：250-2500LBS

Made of cast iron, Flat tread  
Lacquered colour: silver and black and so on  
With plain, roller bearing  
Diameter range: 3-12inch

High abrasion resistance  
Low rolling resistance  
Temperature range: -40°C +140°C  
Load capacity: 250-2500LBS

SERIES CIFR CIFR 系列	D	T	W	d	LBS
CIFR-03/14R	3	1-1/4	1-9/16	1/2	250
CIFR-03/15R	3	1-1/2	1/5/8	1-3/16	400
CIFR-34/20R	3-1/4	2	2-3/16	1-3/16	700
CIFR-04/14R	4	1-1/4	1-9/16	1/2	300
CIFR-04/14LR	4	1-1/4	1-13/16	1/2	300
CIFR-04/15R	4	1-1/2	1/5/8	1-3/16	600
CIFR-04/20R	4	2	2-3/16	1-3/16	700
CIFR-05/14R	5	1-1/4	1-9/16	1/2	350
CIFR-05/15R	5	1-1/2	1/5/8	1-3/16	600
CIFR-05/20R	5	2	2-3/16	1-3/16	1000
CIFR-06/15R	6	1-1/2	1/5/8	1-3/16	700
CIFR-06/20R	6	2	2-3/16	1-3/16	1200
CIFR-06/25AR	6	2-1/2	2-3/4	1-3/16	1500
CIFR-06/25R	6	2-1/2	2-3/4	1-15/16	1600
CIFR-06/30R	6	3	3-1/4	1-15/16	2000
CIFR-08/20R	8	2	2-3/16	1-3/16	1400
CIFR-08/25R	8	2-1/2	2-3/4	1-15/16	1700
CIFR-08/25CR	8	2-1/2	3-1/4	1-15/16	1700
CIFR-10/25AR	10	2-1/2	2-3/4	1-3/16	1900
CIFR-12/25R	12	2-1/2	2-3/4	1-15/16	2000
CIFR-12/30R	12	3	3-1/4	1-15/16	2500

V 型槽铸铁轮  
V-GROOVE CAST IRON WHEELS

铸铁制成，V 型槽胎面  
喷漆颜色：银色、黑色等  
空装或者装配滚针轴承  
直径范围：3-10inch

高耐磨性  
滚动阻力低  
温度范围：-40°C +140°C  
负载能力：300-4000LBS

Made of cast iron, V-Groove tread  
Lacquered colour: silver and black and so on  
With plain, roller bearing  
Diameter range: 3-10inch

High abrasion resistance  
Low rolling resistance  
Temperature range: -40°C +140°C  
Load capacity: 300-4000LBS



SERIES CIVG CIVG 系列	D	T	W	d	LBS
CIVG-03/14R	3	1-1/4	1-9/16	7/8	300
CIVG-04/15R	4	1-1/2	1-5/8	7/8	600
CIVG-04/20R	4	2	2-3/16	7/8	800
CIVG-05/20R	5	2	2-3/16	7/8	900
CIVG-06/20R	6	2	2-3/16	7/8	1000
CIVG-06/20R	6	2-1/2	2-3/4	7/8	2400
CIVG-06/20WR	6	2-1/2	2-3/4	1-3/8	2400
CIVG-06/30R	6	3	3-1/4	7/8	3300
CIVG-06/30WR	6	3	3-1/4	1-3/8	3300
CIVG-08/20R	8	2	2-3/16	7/8	1200
CIVG-08/25R	8	2-1/2	2-3/4	7/8	2500
CIVG-08/25WR	8	2-1/2	2-3/4	1-3/8	2500
CIVG-08/30R	8	3	3-1/4	7/8	3500
CIVG-08/30WR	8	3	3-1/4	1-3/8	3500
CIVG-10/30R	10	3	3-1/4	7/8	4000
CIVG-10/30WR	10	3	3-1/4	1-3/8	4000



球墨铸铁轮

DUCTILE IRON WHEELS

球墨铸铁制成，机加工胎面  
 喷漆颜色：根据要求  
 空装或者装配滚针轴承  
 直径范围：4-12inch

高耐磨性  
 滚动阻力低  
 温度范围：-40℃ +140℃  
 负载能力：1000-7000LBS

Made of ductile iron, machined tread  
 Lacquered colour: as per request  
 With plain, roller bearing  
 Diameter range: 4-12inch

High abrasion resistance  
 Low rolling resistance  
 Temperature range: -40℃ +140℃  
 Load capacity: 1000-7000LBS

SERIES DSTO  
 DSTO 系列

	D	T	W		LBS
DSTO-04/15R	4	1-9/16	2	1-3/16	1000
DSTO-04/20R	4	2	2-3/16	1-3/16	1500
DSTO-05/20R	5	2	2-3/16	1-3/16	1600
DSTO-05/25R	5	2-1/2	2-3/4	1-15/16	2000
DSTO-06/20R	6	2	2-3/16	1-3/16	1900
DSTO-06/25R	6	2-1/2	2-3/4	1-15/16	3400
DSTO-06/25CR	6	2-1/2	3-1/4	1-15/16	3400
DSTO-06/30R	6	3	3-1/4	1-15/16	4800
DSTO-08/20R	8	2	2-3/16	1-3/16	2000
DSTO-08/25R	8	2-1/2	2-3/4	1-15/16	4000
DSTO-08/25CR	8	2-1/2	3-1/4	1-15/16	4000
DSTO-08/30R	8	3	3-1/4	1-15/16	5600
DSTO-10/25R	10	2-1/2	2-3/4	1-15/16	4500
DSTO-10/30R	10	3	3-1/4	1-15/16	6000
DSTO-12/30R	12	3	3-1/4	1-15/16	6500
DSTO-12/40R	12	4	4-1/4	2-7/16	7000

V 型槽铸铁轮

V-GROOVE CAST IRON WHEELS

球墨铸铁制成，V型槽胎面  
 喷漆颜色：根据要求  
 空装或者装配滚针轴承  
 直径范围：4-10inch

高耐磨性  
 滚动阻力低  
 温度范围：-40℃ +140℃  
 负载能力：1400-7000LBS

Made of ductile iron, V-Groove Tread  
 Lacquered colour: as per request  
 With plain, roller bearing  
 Diameter range: 4-10inch

High abrasion resistance  
 Low rolling resistance  
 Temperature range: -40℃ +140℃  
 Load capacity: 1400-7000LBS



SERIES DSVG  
 DSVG 系列

	D	T	W			LBS
DSVG-04/20R	4	2	2-3/16	7/8	1-3/16	1400
DSVG-06/20R	6	2	2-3/16	7/8	1-3/16	1800
DSVG-06/25R	6	2-1/2	2-3/4	7/8	1-15/16	3400
DSVG-06/25WR	6	2-1/2	2-3/4	1-3/8	1-15/16	3400
DSVG-06/25CR	6	2-1/2	3-1/4	7/8	1-15/16	3400
DSVG-06/25CWR	6	2-1/2	3-1/4	1-3/8	1-15/16	3400
DSVG-06/30R	6	3	3-1/4	7/8	1-15/16	4800
DSVG-06/30WR	6	3	3-1/4	1-3/8	1-15/16	4800
DSVG-08/25CR	8	2-1/2	3-1/4	7/8	1-15/16	3600
DSVG-08/25CWR	8	2-1/2	3-1/4	1-3/8	1-15/16	3600
DSVG-08/30R	8	3	3-1/4	7/8	1-15/16	5000
DSVG-08/30WR	8	3	3-1/4	1-3/8	1-15/16	5000
DSVG-10/30R	10	3	3-1/4	7/8	1-15/16	7000
DSVG-10/30WR	10	3	3-1/4	1-3/8	1-15/16	7000

# 脚轮 CASTERS



## 万向尼龙脚轮 SWIVEL CASTER WITH NYLON WHEELS

Code No	Article								
500600	S03B NY 80/35	80	35	105 × 80	$\frac{80 \times 60}{76 \times 60}$	37	11 × 9	100	150
500601	S04B NY 100/38	100	38	105 × 80	$\frac{80 \times 60}{76 \times 60}$	37	11 × 9	128	150
500602	S05B NY 125/40	125	40	105 × 80	$\frac{80 \times 60}{76 \times 60}$	37	11 × 9	155	200
500603	S06B NY 160/50	160	50	135 × 110	$\frac{105 \times 75}{105 \times 80}$	53	13.5 × 11	190	350
500604	S08B NY 200/50	200	50	135 × 110	$\frac{105 \times 75}{105 \times 80}$	53	13.5 × 11	235	350

## 万向制动尼龙脚轮 BRAKED SWIVEL CASTER WITH NYLON WHEELS



Code No	Article								
500605	S03B NY 80/35-K1	80	35	105 × 80	$\frac{80 \times 60}{76 \times 60}$	37	11 × 9	100	150
500606	S04B NY 100/38-K1	100	38	105 × 80	$\frac{80 \times 60}{76 \times 60}$	40	11 × 9	125	150
500607	S05B NY 125/40-K1	125	40	105 × 80	$\frac{80 \times 60}{76 \times 60}$	40	11 × 9	155	200
500608	S06B NY 160/50-K1	160	50	135 × 110	$\frac{105 \times 75}{105 \times 80}$	60	13.5 × 11	190	350
500609	S08B NY 200/50-K1	200	50	135 × 110	$\frac{105 \times 75}{105 \times 80}$	60	13.5 × 11	235	350

## 定向尼龙脚轮 FIXED CASTER WITH NYLON WHEELS



Code No	Article								
500610	F03B NY 80/35	80	35	105 × 80	$\frac{80 \times 60}{76 \times 60}$	37	11 × 9	100	150
500611	F04B NY 100/38	100	38	105 × 80	$\frac{80 \times 60}{76 \times 60}$		11 × 9	125	150
500612	F05B NY 125/40	125	40	105 × 80	$\frac{80 \times 60}{76 \times 60}$		11 × 9	155	200
500613	F06B NY 160/50	160	50	135 × 110	$\frac{105 \times 75}{105 \times 80}$		13.5 × 11	190	350
500614	F08B NY 200/50	200	50	135 × 110	$\frac{105 \times 75}{105 \times 80}$		13.5 × 11	235	350

万向尼龙脚轮

SWIVEL CASTER WITH NYLON WHEELS



Code No	Article								
500615	S04B NY 100/38	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	37	11×9	128	150
500616	S05B NY 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	37	11×9	155	200
500617	S06B NY 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×11	190	350
500618	S08B NY 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×111	235	350

万向制动尼龙脚轮

BRAKED SWIVEL CASTER WITH NYLON WHEELS



Code No	Article								
500619	S04B NY 100/38-K1	100	38	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	125	150
500620	S05B NY 125/40-K1	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	200
500621	S06B NY 160/50-K1	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×11	190	350
500622	S08B NY 200/50-K1	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×111	235	350

定向尼龙脚轮

FIXED CASTER WITH NYLON WHEELS



Code No	Article								
500623	F04B NY 100/38	100	38	105×80	$\frac{80 \times 60}{76 \times 60}$		11×9	125	150
500624	F05B NY 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$		11×9	155	200
500625	F06B NY 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$		13.5×11	190	350
500626	F08B NY 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$		13.5×111	235	350

万向弹性橡胶脚轮 (尼龙芯)

SWIVEL CASTER WITH ELASTIC RUBBER WHEELS(NYLO CORE)



Code No	Article								
500627	S04B RN 100/40	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	37	11×9	125	140
500628	S05B RN 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	37	11×9	155	180
500629	S06B RN 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×11	190	300
500630	S08B RN 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×111	235	300

万向制动弹性橡胶脚轮 (尼龙芯)

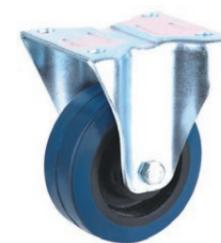
BRAKED SWIVEL CASTER WITH ELASTIC RUBBER WHEELS(NYLON CORE)



Code No	Article								
500631	S04B RN 100/40-K1	100	36	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	125	150
500632	S05B RN 125/40-K1	125	38	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	200
500633	S06B RN 160/50-K1	160	48	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×11	190	350
500634	S08B RN 200/50-K1	200	48	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×111	235	350

定向弹性橡胶脚轮 (尼龙芯)

FIXED CASTER WITH ELASTIC RUBBER WHEELS(NYLO CORE)



Code No	Article								
500635	F04B RN 100/40	100	38	105×80	$\frac{80 \times 60}{76 \times 60}$		11×9	125	150
500636	F05B RN 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$		11×9	155	200
500637	F06B RN 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$		13.5×11	190	350
500638	F08B RN 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$		13.5×111	235	350

万向 PP 脚轮

SWIVEL CASTER WITH PP WHEELS



Code No	Article								
500639	S03B PP 80/38	80	38	135×110	$\frac{105 \times 75}{105 \times 80}$	36	11×9	100	100
500640	S04B PP 100/40	100	36	105×80	$\frac{80 \times 60}{76 \times 60}$	37	11×9	125	140
500641	S05B PP 125/40	125	38	105×80	$\frac{80 \times 60}{76 \times 60}$	37	11×9	155	180
500642	S06B PP 160/50	160	48	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×11	190	300
500643	S08B PP 200/50	200	48	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×111	235	300

万向制动 PP 脚轮

BRAKED SWIVEL CASTER WITH PP WHEELS



Code No	Article								
500644	S03B PP 80/38-K1	80	38	135×110	$\frac{105 \times 75}{105 \times 80}$	36	11×9	100	100
500645	S04B PP 100/40-K1	100	36	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	125	140
500646	S05B PP 125/40-K1	125	38	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	180
500647	S06B PP 160/50-K1	160	48	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×11	190	300
500648	S08B PP 200/50-K1	200	48	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×111	235	300

万向 PP 脚轮

FIXED CASTER WITH PP WHEELS



Code No	Article								
500649	F03B PP 80/38	80	38	135×110	$\frac{105 \times 75}{105 \times 80}$	36	11×9	100	100
500650	F04B PP 100/40	100	36	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	125	140
500651	F05B PP 125/40	125	38	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	180
500652	F06B PP 160/50	160	48	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×11	190	300
500653	F08B PP 200/50	200	48	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×111	235	300

万向弹性橡胶脚轮 (铝芯)

SWIVEL CASTER WITH ELASTIC RUBBER WHEELS(ALUMINUM CORE)



Code No	Article								
500654	S04A RA 100/40	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	132	180
500655	S05A RA 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	200
500656	S06A RA 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×11	190	350
500657	S08A RA 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×111	235	400

万向制动弹性橡胶脚轮 (铝芯)

BRAKED SWIVEL CASTER WITH ELASTIC RUBBER WHEELS(ALUMINUM CORE)



Code No	Article								
500658	S04A RA 100/40-K1	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	132	180
500659	S05A RA 125/40-K1	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	200
500660	S06A RA 160/50-K1	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×11	190	350
500661	S08A RA 200/50-K1	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×111	235	400

定向弹性橡胶脚轮 (铝芯)

FIXED CASTER WITH ELASTIC RUBBER WHEELS(ALUMINUM CORE)



Code No	Article								
500662	F04A RA 100/40	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$		11×9	125	150
500663	F05A RA 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$		11×9	155	200
500664	F06A RA 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$		13.5×11	190	350
500665	F08A RA 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$		13.5×111	235	350

万向聚氨酯脚轮 (铝芯)  
SWIVEL CASTER WITH POLYURETHANE WHEELS(ALUMINUM CORE)



Code No	Article								
500666	S04A PA 100/40	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	132	250
500667	S05A PA 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	300
500668	S06A PA 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×11	190	350
500669	S08A PA 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	53	13.5×111	235	400

万向制动聚氨酯脚轮 (铝芯)  
BRAKED SWIVEL CASTER WITH POLYURETHANE WHEELS(ALUMINUM CORE)



Code No	Article								
500670	S04A PA 100/40-K1	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	132	180
500671	S05A PA 125/40-K1	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	40	11×9	155	200
500672	S06A PA 160/50-K1	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×11	190	350
500673	S08A PA 200/50-K1	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	60	13.5×111	235	400

定向聚氨酯脚轮 (铝芯)  
FIXED CASTER WITH POLYURETHANE WHEELS(ALUMINUM CORE)



Code No	Article							
500674	F04A PA 100/40	100	40	105×80	$\frac{80 \times 60}{76 \times 60}$	11×9	132	180
500675	F05A PA 125/40	125	40	105×80	$\frac{80 \times 60}{76 \times 60}$	11×9	155	200
500676	F06A PA 160/50	160	50	135×110	$\frac{105 \times 75}{105 \times 80}$	13.5×11	190	350
500677	F08A PA 200/50	200	50	135×110	$\frac{105 \times 75}{105 \times 80}$	13.5×111	235	400

万向 TPE 脚轮  
SWIVEL CASTER WITH TPE-TYRE(THERMOPLASTIC ELASTOMER) WHEEL



Code No	Article								
500678	S04C RP 100/32	100	32	77×67	$\frac{61.5 \times 51.5}{51 \times 42.5}$	40	8.5	137	100
500679	S05C RP 125/32	150	50	77×67	$\frac{61.5 \times 51.5}{51 \times 42.5}$	43	8.5	162	100

TPE 丝杆脚轮  
STEM CASTER WITH TPE-TYRE(THERMOPLASTIC ELASTOMER) WHEEL



Code No	Article								
500680	S04C RP 100/32	100	32	35	$\frac{61.5 \times 51.5}{51 \times 42.5}$	40	28	134	100
500681	S05C RP 125/32	150	50	35	$\frac{61.5 \times 51.5}{51 \times 42.5}$	43	28	160	100

TPE 螺栓孔脚轮  
BOLT HOLE CASTER WITH TPE-TYRE(THERMOPLASTIC ELASTOMER) WHEEL



Code No	Article								
500682	S04C RP 100/32	100	32	77×67		40	10.5	134	100
500683	S05C RP 125/32	150	50	77×67		43	10.5	160	100

万向聚氨酯脚轮 (铁芯)  
SWIVEL CASTER WITH PU WHEELS(IRON CORE)



Code No	Article									
500684	S04EB PC 4/2	4	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		1-11/25	11/25	5-31/50	600
500685	S05EB PC 5/2	5	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		1-31/50	11/25	6-1/2	800
500686	S06EB PC 6/2	6	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		1-22/25	11/25	7-1/2	900
500687	S08EB PC 8/2	8	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		2-19/50	11/25	9-1/2	1100

定向聚氨酯脚轮 (铁芯)  
FIXED CASTER WITH PU WHEELS(IRON CORE)



Code No	Article								
500688	F04EB PC 4/2	4	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		11/25	5-31/50	600
500689	F05EB PC 5/2	5	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		11/25	6-1/2	800
500690	F06EB PC 6/2	6	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		11/25	7-1/2	900
500691	F08EB PC 8/2	8	2	4-1/2 x 4	$\frac{3-31/50 \times 2-31/50}{3 \times 3}$		11/25	9-1/2	1100

万向弹性橡胶脚轮 (铁芯)  
SWIVEL CASTER WITH ELASTIC RUBBER WHEELS(IRON CORE)



Code No	Article									
500692	S05ZI RC 125/45	125	50	149 x 110	$\frac{120 \times 60}{105 \times 80}$		45	13	177	350
500693	S06ZI RC 150/50	150	50	149 x 110	$\frac{120 \times 60}{105 \times 80}$		49	13	212	400
500694	S08ZI RC 200/50	200	50	149 x 110	$\frac{120 \times 60}{105 \times 80}$		54	13	252	500
500695	S10ZI RC 250/50	250	50	149 x 110	$\frac{120 \times 60}{105 \times 80}$		70	13	303	600
500696	S12ZI RC 300/50	300	50	149 x 110	$\frac{120 \times 60}{105 \times 80}$		80	13	353	650

万向制动弹性橡胶脚轮 (铁芯)  
BRAKED SWIVEL CASTER WITH ELASTIC RUBBER WHEELS(IRON CORE)



Code No	Article									
500697	S05ZI RC 125/50-K1	125	50	149X110	$\frac{120 \times 60}{105 \times 80}$		45	13	177	350
500698	S06ZI RC 150/50-K1	150	50	149X110	$\frac{120 \times 60}{105 \times 80}$		49	13	212	400
500699	S08ZI RC 200/50-K1	200	50	149X110	$\frac{120 \times 60}{105 \times 80}$		54	13	252	500
500700	S10ZI RC 250/50-K1	250	50	149X110	$\frac{120 \times 60}{105 \times 80}$		70	13	303	600
500701	S12ZI RC 300/50-K1	300	50	149X110	$\frac{120 \times 60}{105 \times 80}$		80	13	353	650

定向弹性橡胶脚轮 (铁芯)  
FIXED CASTER WITH ELASTIC RUBBER WHEELS(IRON CORE)



Code No	Article									
500702	F05ZI RC 125/45	125	50	149X110	$\frac{120 \times 60}{105 \times 80}$		45	13	177	350
500703	F06ZI RC 150/50	150	50	149X110	$\frac{120 \times 60}{105 \times 80}$		49	13	212	400
500704	F08ZI RC 200/50	200	50	149X110	$\frac{120 \times 60}{105 \times 80}$		54	13	252	500
500705	F10ZI RC 250/50	250	50	149X110	$\frac{120 \times 60}{105 \times 80}$		70	13	303	600
500706	F12ZI RC 300/50	300	50	149X110	$\frac{120 \times 60}{105 \times 80}$		80	13	353	650

万向聚氨酯脚轮 (铁芯)

SWIVEL CASTER WITH POLYURETHANE WHEEL(IRON CORE)



Code No	Article								
500707	S05ZI PC 125/50	125	50	149×110	$\frac{120 \times 60}{105 \times 80}$	45	13	177	600
500708	S06ZI PC 150/50	150	50	149×110	$\frac{120 \times 60}{105 \times 80}$	49	13	202	800
500709	S08ZI PC 200/50	200	50	149×110	$\frac{120 \times 60}{105 \times 80}$	54	13	252	1000
500710	S10ZI PC 250/50	250	50	149×110	$\frac{120 \times 60}{105 \times 80}$	70	13	303	1200
500711	S12ZI PC 300/50	300	50	149×110	$\frac{120 \times 60}{105 \times 80}$	80	13	353	1300

万向制动聚氨酯脚轮 (铁芯)

BRAKED SWIVEL CASTER WITH POLYURETHANE WHEEL(IRON CORE)



Code No	Article								
500712	S05ZI PC 125/50/K1	125	50	149×110	$\frac{120 \times 60}{105 \times 80}$	45	13	177	600
500713	S06ZI PC 150/50/K1	150	50	149×110	$\frac{120 \times 60}{105 \times 80}$	49	13	202	800
500714	S08ZI PC 200/50/K1	200	50	149×110	$\frac{120 \times 60}{105 \times 80}$	54	13	252	1000
500715	S10ZI PC 250/50/K1	250	50	149×110	$\frac{120 \times 60}{105 \times 80}$	70	13	303	1200
500716	S12ZI PC 300/50/K1	300	50	149×110	$\frac{120 \times 60}{105 \times 80}$	80	13	353	1300

定向聚氨酯脚轮 (铁芯)

FIXED CASTER WITH POLYURETHANE WHEEL(IRON CORE)



Code No	Article							
500717	F05ZI PC 125/50	125	50	149×110	$\frac{120 \times 60}{105 \times 80}$	13	177	600
500718	F06ZI PC 150/50	150	50	149×110	$\frac{120 \times 60}{105 \times 80}$	13	202	800
500719	F08ZI PC 200/50	200	50	149×110	$\frac{120 \times 60}{105 \times 80}$	13	252	1000
500720	F10ZI PC 250/50	250	50	149×110	$\frac{120 \times 60}{105 \times 80}$	13	303	1200
500721	F12ZI PC 300/50	300	50	149×110	$\frac{120 \times 60}{105 \times 80}$	13	353	1300

万向聚氨酯脚轮 (铁芯)

SWIVEL CASTER WITH POLYURETHANE WHEEL(IRON CORE)



Code No	Article								
500722	S05ZI PC 125/50	125	50	149×110	$\frac{120 \times 60}{105 \times 80}$	45	13	177	450
500723	S06ZI PC 150/50	150	50	149×110	$\frac{120 \times 60}{105 \times 80}$	49	13	202	560
500724	S08ZI PC 200/50	200	50	149×110	$\frac{120 \times 60}{105 \times 80}$	54	13	252	800

万向制动聚氨酯脚轮 (铁芯)

BRAKED SWIVEL CASTER WITH POLYURETHANE WHEEL(IRON CORE)



Code No	Article								
500725	S05ZI PC 125/45-K1	125	50	149×110	$\frac{120 \times 60}{105 \times 80}$	45	13	177	450
500726	S06ZI PC 150/50-K1	150	50	149×110	$\frac{120 \times 60}{105 \times 80}$	49	13	202	560
500727	S08ZI PC 200/50-K1	200	50	149×110	$\frac{120 \times 60}{105 \times 80}$	54	13	252	800

定向聚氨酯脚轮 (铁芯)

FIXED CASTER WITH POLYURETHANE WHEEL(IRON CORE)



Code No	Article								
500728	F05ZI PC 125/50	125	50	149×110	$\frac{120 \times 60}{105 \times 80}$	45	13	177	450
500729	F06ZI PC 150/50	150	50	149×110	$\frac{120 \times 60}{105 \times 80}$	49	13	202	560
500730	F08ZI PC 200/50	200	50	149×110	$\frac{120 \times 60}{105 \times 80}$	54	13	252	800

万向铸铁脚轮 SWIVEL CASTER WITH CAST IRON WHEEL



Code No	Article								
500731	S06ZI C 125/40	125	40	149×110	120×60 105×80	49	13	177	500
500732	S06ZI C 150/45	150	45	149×110	120×60 105×80	49	13	202	700
500733	S06ZI C 160/45	160	45	149×110	120×60 105×80	49	13	207	800
500734	S08ZI C 200/45	200	45	149×110	120×60 105×80	54	13	252	1100
500735	S10ZI C 250/54	250	54	149×110	120×60 105×80	70	13	303	1400

万向制动铸铁脚轮 BRAKED SWIVEL CASTER WITH CAST IRON WHEEL



Code No	Article								
500736	S06ZI C 125/40-K1	125	40	149×110	120×60 105×80	49	13	177	500
500737	S06ZI C 150/45-K1	150	45	149×110	120×60 105×80	49	13	202	700
500738	S08ZI C 200/45-K1	200	45	149×110	120×60 105×80	54	13	252	1100
500739	S10ZI C 250/54-K1	250	54	149×110	120×60 105×80	70	13	303	1400

定向铸铁脚轮 FIXED CASTER WITH CAST IRON WHEEL



Code No	Article								
500740	F06ZI C 125/40	125	40	149×110	120×60 105×80	49	13	177	500
500741	F06ZI C 150/45	150	45	149×110	120×60 105×80	49	13	202	700
500742	F08ZI C 200/45	200	45	149×110	120×60 105×80	54	13	252	1100
500743	F10ZI C 250/54	250	54	149×110	120×60 105×80	70	13	303	1400

万向聚氨酯脚轮 (铁芯) SWIVEL CASTER WITH PU WHEEL(IRON CORE)



Code No	Article								
500744	S05D PC 125/40	125	40	175×140	140×105				
500745	S06D PC 150/50	150	50	175×140	140×105	55	14	212	1100
500746	S08D PC 200/50	200	50	175×140	140×105	67	14	264	1300
500747	S10D PC 250/50	250	50	175×140	140×105	80	14	314	2000
500748	S12D PC 300/50	300	50	175×140	140×105				

定向聚氨酯脚轮 (铁芯) BRAKED SWIVEL CASTER WITH PU WHEEL(IRON CORE)



Code No	Article								
500749	F05D PC 125/40	125	40	175×140	140×105				
500750	F06D PC 150/50	150	50	175×140	140×105		14	212	1100
500751	F08D PC 200/50	200	50	175×140	140×105		14	264	1300
500752	F10D PC 250/50	250	50	175×140	140×105		14	314	2000
500753	F12D PC 300/50	300	50	175×140	140×105				

万向聚氨酯脚轮 SWIVEL CASTER WITH PU WHEEL



Code No	Article								
500754	S05Z PA 125/40	125	40	149 × 110	$\frac{170 \times 130}{160 \times 120}$	37	13	200	600
500755	S06Z PA 150/50	150	50	149 × 110	$\frac{170 \times 130}{160 \times 120}$	42	13	225	800
500756	S08Z PA 200/50	200	50	149 × 110	$\frac{170 \times 130}{160 \times 120}$	50	13	270	1000
500757	S10Z PA 250/60	250	60	149 × 110	$\frac{230 \times 210}{210 \times 160}$	82	17	365	1200

万向聚氨酯脚轮 SWIVEL CASTER WITH PU WHEEL



Code No	Article								
500762	S04G PC 100/40B	100	40	200 × 160	$\frac{170 \times 130}{160 \times 120}$	33	13	175	800
500763	S05G PC 125/40B	125	40	200 × 160	$\frac{170 \times 130}{160 \times 120}$	37	13	200	1100
500764	S06G PC 150/50B	150	50	200 × 160	$\frac{170 \times 130}{160 \times 120}$	42	13	225	1300
500765	S08G PC 200/50B	200	50	200 × 160	$\frac{170 \times 130}{160 \times 120}$	50	13	270	2000
500766	S10G PC 250/60B	250	60	270 × 250	$\frac{230 \times 210}{210 \times 160}$	82	17	365	3400
500767	S12G PC 300/70B	300	70	270 × 250	$\frac{230 \times 210}{210 \times 160}$	93	17	415	4000

定向聚氨酯脚轮 SWIVEL CASTER WITH PU WHEEL



Code No	Article							
500758	F05Z PA 125/40	125	40	175 × 150	$\frac{120 \times 60}{105 \times 80}$	13	200	600
500759	F06Z PA 150/50	150	50	175 × 150	$\frac{120 \times 60}{105 \times 80}$	13	225	800
500760	F08Z PA 200/50	200	50	175 × 150	$\frac{120 \times 60}{105 \times 80}$	13	270	1000
500761	F10Z PA 250/60	250	60	175 × 150	$\frac{120 \times 60}{105 \times 80}$	17	365	1200

定向聚氨酯脚轮 SWIVEL CASTER WITH PU WHEEL



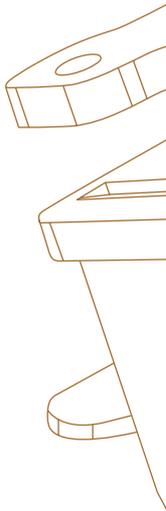
Code No	Article							
500768	F04G PC 100/40B	100	40	200 × 160	$\frac{170 \times 130}{160 \times 120}$	13	175	800
500769	F05G PC 125/40B	125	40	200 × 160	$\frac{170 \times 130}{160 \times 120}$	13	200	1100
500770	F06G PC 150/50B	150	50	200 × 160	$\frac{170 \times 130}{160 \times 120}$	13	225	1300
500771	F08G PC 200/50B	200	50	200 × 160	$\frac{170 \times 130}{160 \times 120}$	13	270	2000
500772	F10G PC 250/60B	250	60	270 × 250	$\frac{230 \times 210}{210 \times 160}$	17	365	3400
500773	F12G PC 300/70B	300	70	270 × 250	$\frac{230 \times 210}{210 \times 160}$	17	415	4000



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