

天进叉车实心轮胎使用说明书

TIANJIN FORKLIFT SOLID TIRE USER MANUAL

品牌 / Brand: 天进轮胎 TIANJIN TIRE | 产品 / Product: 叉车及工业车辆实心轮胎 / Forklift & Industrial Solid Tires

为确保实心轮胎安全、正确使用并延长使用寿命，请在安装和使用前仔细阅读本说明。

To ensure safe and proper operation and to extend tire service life, please read this manual carefully before installation and use.

一、适用范围 / APPLICATIONS

天进实心轮胎主要适用于低速、大负荷工况下的工业车辆，包括叉车、牵引车、平板运输车、港口及机场拖挂车辆等；并广泛应用于工矿、港口码头、钢铁冶金、机场、建筑工程机械、医药、食品、造纸、纺织、电子等领域。

TIANJIN solid tires are mainly designed for low-speed, heavy-load industrial applications, including forklifts, towing tractors, platform trucks, port and airport trailers. They are also widely used in mining, ports, steel and metallurgy, airports, construction, pharmaceutical, food, paper, textile and electronics industries.

具体规格、花纹及承载能力应根据车辆型号、轮辋规格、实际载荷和工作环境进行选择。

Tire size, tread pattern and load capacity should be selected according to the vehicle model, rim specification, actual load and operating conditions.

二、贮存与运输 / STORAGE & TRANSPORTATION

1. 轮胎应存放在通风、干燥、清洁的室内库房，避免阳光直接照射和雨淋。

Tires should be stored indoors in a clean, dry and well-ventilated area, protected from direct sunlight and rain.

2. 库房内不得使用可能产生大量臭氧的设备。

Avoid equipment that may generate high concentrations of ozone in the storage area.

3. 不得将轮胎与油类、酸碱、易燃品、有机溶剂及其他腐蚀性化学品共同存放或运输。

Do not store or transport tires together with oil, acids, alkalis, flammable materials, organic solvents or corrosive chemicals.

4. 轮胎应远离明火、高温设备及其他热源，严禁直接烘烤轮胎。

Keep tires away from open flames, high-temperature equipment and other heat sources. Do not expose tires to direct heating.

5. 库存轮胎建议按照“先进先出”原则使用。

It is recommended to follow the FIFO (First In, First Out) principle for inventory management.

6. 搬运过程中避免剧烈撞击、抛摔或使用尖锐工具接触轮胎。

Avoid severe impact, dropping, or contact with sharp objects during handling and transportation.

三、选择、安装与拆卸 / SELECTION, INSTALLATION & REMOVAL

1. 车辆使用的轮胎应与车辆原配轮胎采用相同规格或经确认可替代的等效规格。

Tires should be the same size as the vehicle's original tires or an approved equivalent specification.

2. 应根据车辆使用条件、路面情况及前后轴要求选择适合的轮胎花纹和结构。

Select the appropriate tread pattern and tire construction according to operating conditions, road surfaces and axle requirements.

3. 同一车轴应尽量使用相同品牌、规格、结构和类型的轮胎，并保持磨损程度接近。

Tires on the same axle should preferably be of the same brand, size, construction and type, with similar levels of wear.

4. 更换轮胎时，建议整车或至少同一车轴的轮胎同时更换。

When replacing tires, it is recommended to replace all tires on the vehicle, or at least all tires on the same axle, at the same time.

5. 轮胎必须安装在符合规定的轮辋上。严禁使用存在变形、裂纹、严重磨损、焊缝异常或尺寸超差的轮辋。

Tires must be installed on approved and correctly sized rims. Do not use rims that are deformed, cracked, excessively worn, improperly welded or outside dimensional tolerances.

6. 实心轮胎与充气轮胎不得在同一车轴上混装。

Solid tires and pneumatic tires must not be mixed on the same axle.

7. 安装前可使用中性皂液或轮胎专用润滑剂涂抹胎圈底部及轮辋接触位置。不得使用可能损害橡胶性能的油脂或其他不适用润滑剂。

Before installation, neutral soap solution or an approved tire mounting lubricant may be applied to the tire bead and rim contact surfaces. Do not use grease, petroleum-based lubricants or other substances that may damage the rubber.

8. 实心轮胎的安装和拆卸必须由具备相应设备、工具和经验的专业人员完成。

Solid tire installation and removal must be performed by trained personnel using appropriate professional equipment and tools.

9. 安装时应确保轮胎与轮辋保持同心，并正确、均匀地压装到规定位置。

During installation, make sure the tire is properly centered on the rim and pressed evenly into the correct position.

10. 只允许使用符合轮胎及车辆要求的轮辋型号。

Only use rim types and sizes that meet the requirements of the tire and vehicle.

安全警告：实心轮胎压装过程中会产生较大的机械压力。非专业人员严禁自行安装或拆卸，以免造成人身伤害或损坏轮胎及轮辋。

SAFETY WARNING: Solid tire mounting involves high mechanical pressure. Installation or removal by untrained personnel may cause personal injury or damage to the tire and rim.

四、使用要求 / OPERATING INSTRUCTIONS

1. 实心轮胎适用于间歇性工业作业，建议单程连续运行距离不超过 2,000 m。超过此距离的特殊工况，请提前咨询技术人员。

Solid tires are designed primarily for intermittent industrial operation. The recommended continuous one-way operating distance is no more than 2,000 m. For longer-distance applications, please consult technical personnel.

2. 一般使用条件下：空载最高速度≤25 km/h；作业平均速度≤10 km/h。对于高负荷、高速度、长距离、高温或其他特殊工况，请提前进行技术确认。

Under normal operating conditions: maximum unloaded speed ≤25 km/h; recommended average working speed ≤10 km/h. For heavy-load, high-speed, long-distance, high-temperature or other special conditions, technical confirmation is recommended before use.

3. 车辆装载货物应尽量分布均匀，避免偏载或单个轮胎长期承受过大负荷。

Loads should be distributed evenly to prevent overloading or excessive load on an individual tire.

4. 严禁长期超载、超速运行，否则可能导致轮胎过度生热、开裂、脱层或其他损坏。

Avoid prolonged overloading or excessive speed, as this may cause excessive heat buildup, cracking, separation or other tire damage.

5. 车辆运行时应避免猛烈加速、紧急制动、高速急转弯及频繁原地转向。

Avoid rapid acceleration, emergency braking, sharp high-speed turns and frequent stationary steering.

6. 车辆长期停用时，在条件允许的情况下建议将车辆适当顶起，以降低轮胎长期静态负荷，同时避免阳光、油类及腐蚀性化学品接触轮胎。

For long-term vehicle storage, reduce static tire load where practical and protect tires from sunlight, oils and corrosive chemicals.

7. 导电型及抗静电型实心轮胎应保持清洁，以确保其相应性能。

Conductive and antistatic solid tires should be kept clean to maintain their intended performance.

五、检查与保养 / INSPECTION & MAINTENANCE

1. 建议结合车辆日常保养定期检查胎面磨损、异常偏磨、划伤、切口、裂纹、变形、脱层、橡胶老化、花纹沟异物、轮胎安装状态以及轮辋、挡圈和锁圈状态。发现严重异常时应立即停止使用。

As part of routine vehicle maintenance, regularly inspect tread wear, uneven wear, cuts, scratches, cracks, deformation, separation, rubber aging, foreign objects, tire mounting condition, and the condition of rims, side rings and lock rings. Stop using the tire immediately if serious damage is detected.

2. 根据胎面磨损情况合理进行轮胎换位，以保持轮胎磨损均匀。

Rotate tires as appropriate according to tread wear to maintain even wear and maximize service life.

3. 避免轮胎长期接触机油、燃油、液压油、酸碱、溶剂及其他化学物质。

Avoid prolonged tire contact with engine oil, fuel, hydraulic oil, acids, alkalis, solvents and other chemicals.

六、影响使用寿命的主要因素 / FACTORS AFFECTING TIRE SERVICE LIFE

实心轮胎的实际使用寿命受车辆载荷、运行速度、连续运行距离、路面状况、工作环境温度、驾驶操作方式、轮胎规格选择、轮辋状态、安装质量及日常维护等因素影响。

The actual service life of a solid tire depends on vehicle load, operating speed, continuous operating distance, road conditions, operating temperature, driving behavior, tire selection, rim condition, installation quality and routine maintenance.

长期超载、超速、高温连续运行、急刹车、急转弯、频繁原地转向以及恶劣路面均可能明显缩短轮胎使用寿命。

Continuous overloading, excessive speed, high-temperature operation, hard braking, sharp turning, frequent stationary steering and poor road conditions may significantly reduce tire service life.

七、安全注意事项 / SAFETY PRECAUTIONS

严禁超载、超速及超出轮胎设计工况使用。

DO NOT OVERLOAD, OVERSPEED OR OPERATE THE TIRE BEYOND ITS DESIGNED CONDITIONS.

如发现轮胎与轮辋规格不匹配、严重开裂、异常变形、脱层或其他可能影响安全的问题，应立即停止安装或使用。

Stop installation or operation immediately if the tire and rim are incompatible, or if severe cracking, deformation, separation or other potentially unsafe conditions are found.

对于高温、高负荷、高速度、长距离连续运行或其他特殊工况，请在使用前咨询供应商或技术人员。

For high-temperature, heavy-load, high-speed, long-distance or other special applications, please consult the supplier or technical personnel before use.

八、售后与质量保障 / WARRANTY & AFTER-SALES SERVICE

1. 自客户收到货物之日起，产品享有 6 个月制造缺陷质保。

The product is covered by a 6-month warranty against manufacturing defects from the date the customer receives the goods.

2. 如出现质量问题，客户须提供清晰的产品照片、视频及相关使用信息，以便我方进行核实。

If a quality issue occurs, the customer must provide clear product photos, videos, and relevant usage information for our verification.

3. 经我方确认属于工厂制造缺陷的，将根据实际情况对问题产品进行部分退款。

If the issue is confirmed by us to be caused by a manufacturing defect, a partial refund will be provided for the affected product based on the specific circumstances.

4. 如货物在运输过程中损坏，我方可凭客户提供的照片、视频及外包装资料，协助向承运方提出索赔，但运输损坏不属于产品质量保证范围。

If the goods are damaged during transportation, we can assist the customer in filing a claim with the carrier based on the photos, videos, and outer packaging information provided. Transportation damage is not covered by the product quality warranty.

5. 我方免费提供产品安装、使用及维护方面的技术指导，但不提供上门安装、检查或维修服务。

We provide free technical guidance on product installation, use, and maintenance. On-site installation, inspection, or repair services are not provided.

6. 正常磨损、超载使用、安装不当、操作错误、意外损坏或其他非制造原因造成的问题，不在质保范围内。

Normal wear and tear, overloading, improper installation, operating errors, accidental damage, or issues caused by other non-manufacturing factors are not covered by the warranty.

天进轮胎 / TIANJIN TIRE

Forklift & Industrial Solid Tires

安全使用 · 稳定承载 · 专业工业轮胎

Safe Operation · Reliable Load Performance · Professional Industrial Tires

说明 / Note: 本说明适用于天进一般工业车辆实心轮胎。不同规格、结构及特殊用途产品可能存在不同技术要求，具体以产品技术参数、销售合同及实际使用工况为准。

This manual applies to general TIANJIN industrial solid tires. Technical requirements may vary depending on tire size, construction and application. Product specifications, sales terms and actual operating conditions shall prevail.