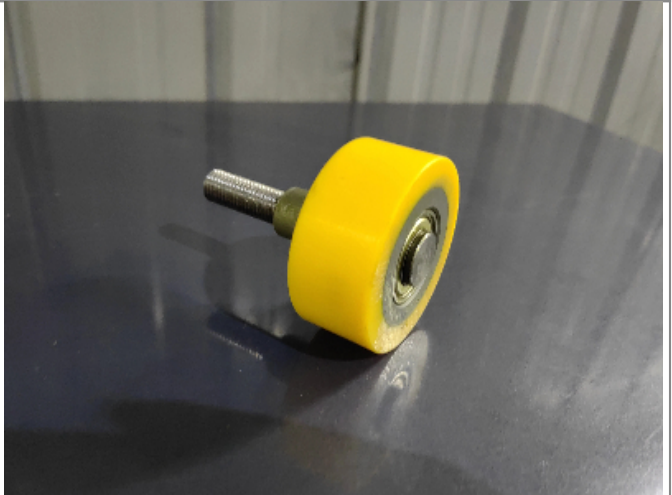

Vulkollan® Guide Wheels for Stacker Cranes

Title	Vulkollan® Guide Wheels for Stacker Cranes
Thumb	
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Description

Philson Vulkollan® stacker guide wheels ensure stability, low noise, resilience, and wear resistance. Custom cores and treads suit cleanrooms, cold storage, and heavy-duty logistics.



Stacker cranes play a critical role in automated warehouses and logistics systems, where precision, stability, and durability are essential. At the heart of their smooth and accurate operation are polyurethane guide wheels, designed to keep the equipment running reliably on its track.

Structural characteristics of stacker guide wheels

The guide wheels are secured to the stacker's travel mechanism via nuts. When paired with a travel wheel box or polyurethane drive wheels, the guide wheels roll along the tracks to ensure stability.

Dual-sided guidance: Positioned on both sides of the track, guide wheels prevent the stacker from deviating, ensuring precise alignment during high-speed or high-load movement.

Track adaptability: Suitable for both ground tracks and elevated guide rails, ensuring flexibility in different warehouse layouts.

Material advantages of polyurethane wheels

Polyurethane and Vulkollan® wheels offer the ideal balance between performance and durability. Their benefits include:

Low heat generation: Suitable for high-frequency operation without premature wear.

Quiet running: Reduces noise in automated warehouses and cleanrooms.

High resilience & instant rebound: Maintains stability and shock absorption during load handling.

Friction & tear resistance: Ensures long service life even under continuous heavy load conditions.

Balanced hardness: Combines strength with cushioning, protecting both equipment and floors.

Customized wheel types for different scenarios

Philson provides tailored solutions to match diverse industrial environments:

Cleanrooms / food & pharma: Stainless steel wheel cores with anti-static.

Heavy-duty logistics: Cast iron or forged steel wheel cores for high-load applications.

Extreme temperature environments: High- or low-temperature resistant polyurethane compounds for cold storage, metallurgical plants, or hot workshops.

Durability assurance: Special surface treatments prevent debonding or deformation, backed by a one-year quality guarantee.

Application range

Polyurethane guide wheels are widely used in:

Automated storage and retrieval systems (AS/RS)

High-bay warehouses with stacker cranes

Logistics handling platforms

Cold storage and food-grade material handling systems



Philson's Vulkollan® stacker wheels combine advanced material performance with customizable designs, ensuring stability, precision, and long service life for stacker cranes in any industrial environment. Contact us today for a tailored solution.

