

# TOP 5 BENEFITS OF HYDRAULIC LINE PIPE

Hydraulic Line Pipe (SAE J524 seamless tubing) is precision manufactured steel tubing designed to carry hydraulic fluid securely and reliably in automotive, industrial, and construction systems.

By: Shen Zhen Long Hung Titanium Ltd.

## SUPERIOR PRESSURE HANDLING

- Engineered to withstand high working pressures (up to 50 MPa) with burst pressures several times higher.
- Seamless design eliminates weak weld points, enabling safer high-pressure operations.



## PRECISION & RELIABILITY

- Manufactured with cold-drawn and normalized E235 fine-grain steel.
- Tight tolerances ( $\pm 0.1$  mm diameter,  $\pm 0.05$  mm wall thickness) ensure consistent performance.



## ENHANCED LEAK PREVENTION

- Seamless cold-drawn construction removes welding seams that can compromise integrity.
- Precision inner surface ( $Ra \leq 0.4 \mu m$ ) reduces friction and minimizes seal wear.



## CORROSION & WEAR RESISTANCE

Surface phosphating + internal oiling boosts resistance to corrosion and environmental wear.



## WIDE INDUSTRY COMPATIBILITY

Hydraulic Line Pipe is compatible with global standards (SAE J524, DIN 2391/EN 10305-4), making it suitable for:

- Construction & heavy machinery
- Industrial automation
- Agricultural equipment
- Marine hydraulic systems
- Pneumatic circuits



*More info about the company*

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# Hydraulic Line Pipe: Top 5 Benefits for High-Pressure Fluid Systems

**Shandong Baokun Metal Material Co., Ltd** delivers premium Hydraulic Line Pipe designed for performance, durability, and precision in demanding hydraulic applications. Our SAE J524 seamless steel tubes are engineered to meet global standards and exceed expectations in reliability.

## **Exceptional Pressure Resistance**

Our Hydraulic Line Pipe complies with SAE J524 and DIN 2391/EN 10305-4 standards, providing a seamless, cold-drawn construction with no weld seams, which boosts burst strength and reduces the risk of pressure-induced failures.

This makes them ideal for high-pressure systems in automotive braking, construction machinery hydraulics, and industrial equipment.

## **Precision Engineering for Reliability**

Made from high-quality E235 fine-grain steel and processed with tight tolerances ( $\pm 0.1$  mm OD,  $\pm 0.05$  mm wall thickness), our pipes ensure consistent fluid flow and system performance.

Precision engineering reduces wear on seals and connectors, helping systems run more smoothly with less maintenance.

## **Superior Leak Prevention & Durability**

Seamless construction eliminates inherent weak points, significantly reducing leakage risk. The smooth inner surface ( $R_a \leq 0.4 \mu m$ ) also minimizes friction, extending seal and component life.

## **Corrosion & Wear Resistance**

Hydraulic Line Pipe from Baokun features phosphated surface treatment plus internal oiling to resist corrosion and wear in harsh environments.

This means longer service life – especially in construction, agricultural, and offshore applications operating under challenging conditions.

## **Global Compatibility & Versatility**

Baokun's Hydraulic Line Pipe meets multiple international standards, making it compatible with a wide range of hydraulic fittings and systems worldwide.

Whether for OEM projects, industrial automation, or heavy machinery, these pipes integrate seamlessly into existing fluid infrastructures.

## **About Shandong Baokun Metal Material Co., Ltd – Precision Steel & Hydraulic Line Pipe Solutions**

**Shandong Baokun Metal Material Co., Ltd** is a seasoned manufacturer and supplier of high-quality steel tubes and pipes, headquartered in Liaocheng, Shandong Province – a key steel production region in China. Established in 2008, the company has grown into a global Hydraulic Line Pipe provider serving customers in more than 30 countries with engineering-grade products for hydraulic, mechanical, industrial, and heavy-duty applications.

## **More info about the company**

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**Thank You**