

Experience The **HYDHOME** Advantage

STEERING CYLINDER

INTRODUCTION



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HYDRAULIC EQUIPMENTS

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"Confidence in Every Turn"

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STEERING CYLINDER INTRODUCTION

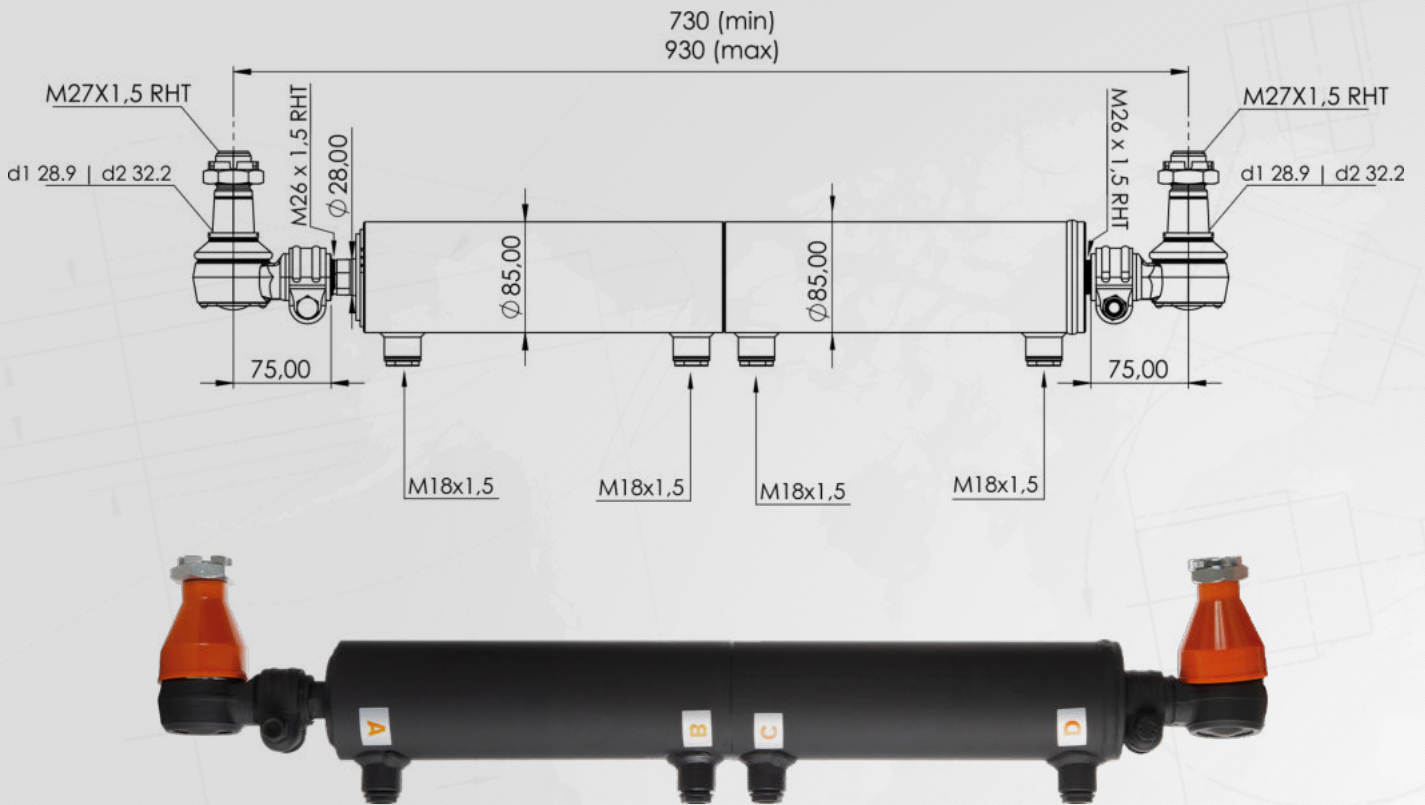


The journey of **BAŞEL** to achieve the ultimate success started in 1962 as a welding and lathe workshop in a small town in Konya. Later, with decades of experience **BAŞEL** set out to move one step forward to the production world, and first ever its production was the Universal Lathe Machine which allowed the engineers to strengthen their skills. Manufacturing had become a main priority for the company during the technological revolution, especially in transportation. In 1993, **BAŞEL** decided to switch to manufacturing spare parts for commercial vehicles, due to the demands and needs from the global market. After years of production of spare parts for commercial vehicles, **BAŞEL** has established its name in the competitive market under the trademark **HYDHOME Hydraulic Equipments**. Since 2016, **HYDHOME** started exporting and competing in the worldwide market by offering its **high-quality** products to more than 20 countries as well as satisfying its partners and customers keeping long-term business relations.

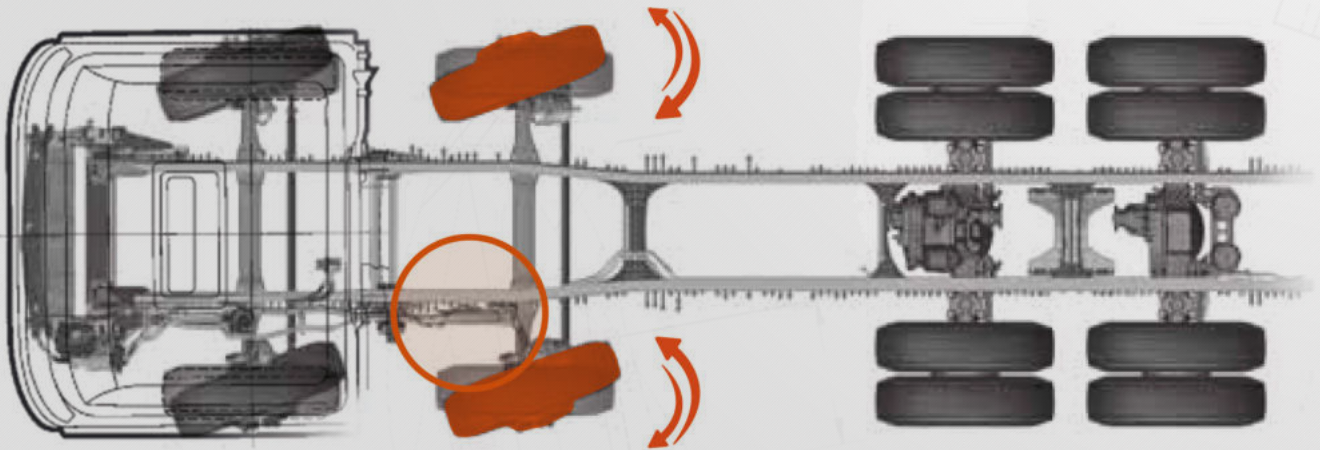
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which offers its greatest quality and customer satisfaction!

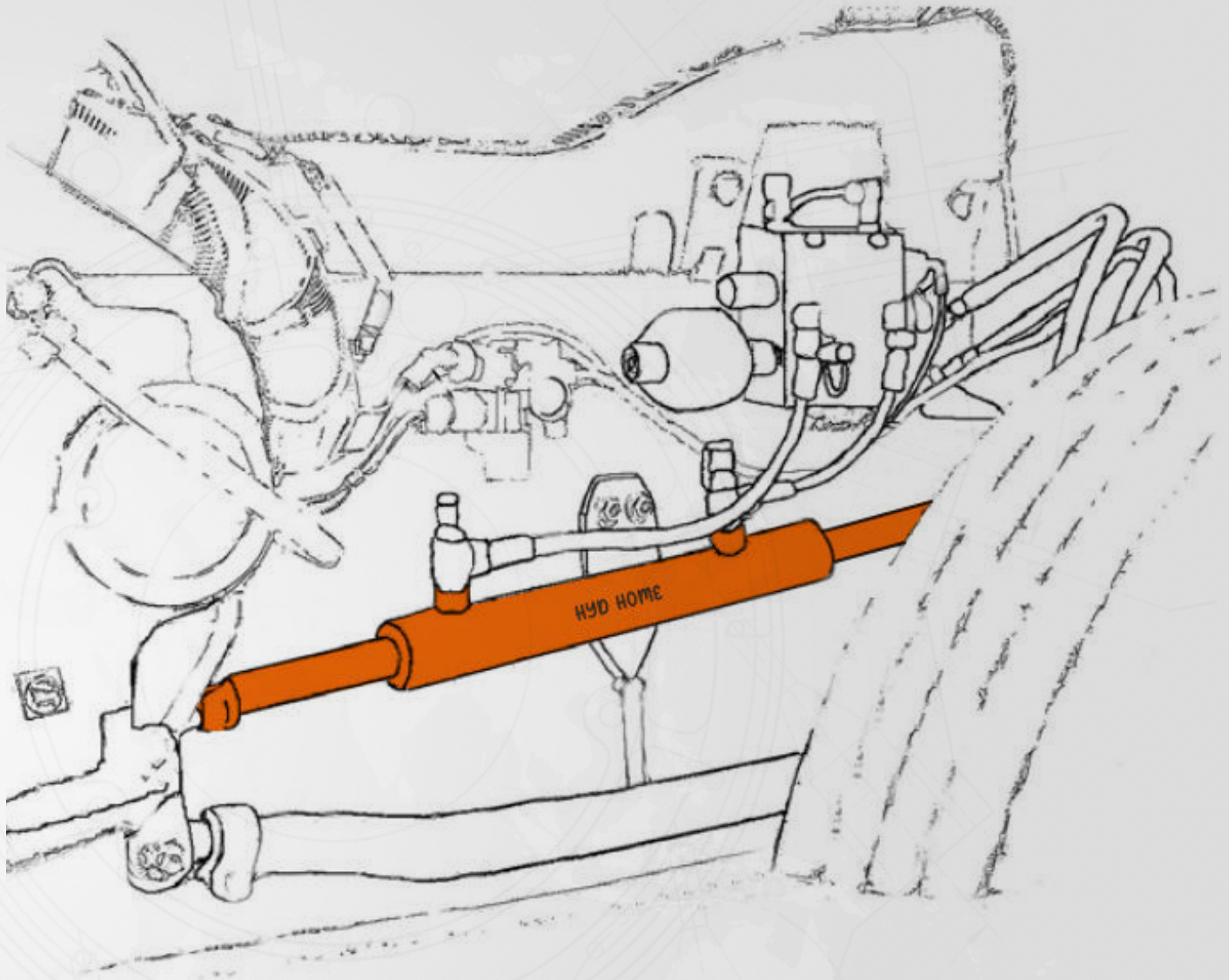
STEERING CYLINDER INTRODUCTION



The **Steering Cylinder**, also known as the **Power Steering Slave Cylinder** or as **Power Steering Ram**, is a vital component used in commercial vehicles such as trucks and buses for their front and rear axles. It plays a crucial role in assisting the driver in **steering** these heavy-duty vehicles, **ensuring smoother and more precise maneuverability**.



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The primary function of the **Steering Cylinder** is to provide hydraulic power assistance to the steering system of commercial vehicles. It works in conjunction with the main power steering system and helps reduce the effort required to steer the vehicle, especially at low speeds and during maneuvers. **By utilizing hydraulic pressure, the cylinder amplifies the driver's input, allowing for more controlled and effortless steering.**

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The **production of Steering Cylinders** involves several key steps. First, high-quality materials, such as robust steel and durable seals, are selected to ensure the cylinder's **strength** and **longevity**. These materials are then precisely machined and formed into the required cylinder shape. Next, internal components, including piston assemblies, seals, and hydraulic fittings, are **carefully installed**. The cylinder is thoroughly **tested** to ensure its **performance and reliability** before being prepared for distribution to vehicle manufacturers and aftermarket suppliers.

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HYDHOME Hydraulic Equipments' Steering Cylinders are manufactured to meet the highest quality standards. The company offers a warranty that covers manufacturing defects and premature failures under normal operating conditions. The specific terms and duration of the warranty may vary, so please refer to the warranty documentation provided on our website www.hydhome.com.tr for detailed information. In case of any issues covered by the warranty, customers are advised to contact us for assistance and potential resolution.

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HYDHOME Hydraulic Equipments Cares About the Users of Our Products,

Company advises you to follow basic **Safety Instructions for Installation and Maintenance:**

To ensure safe and optimal usage of the **Steering Cylinder**, it is essential to follow these instructions: Only **qualified personnel** with relevant training and experience should handle the installation, maintenance, and repair of steering cylinders. **Improper handling can result in accidents or damage to the vehicle.**

- 1.Hydraulic System Inspection:** Prior to installation, inspect the hydraulic system for any leaks, damaged hoses, or worn components. Address any issues before proceeding with the installation.
- 2.Proper Installation:** Ensure that all connections are tight, hydraulic lines are properly routed and secured, and all mounting bolts are torqued to the specified values.
- 3.Safety Testing:** After installation or maintenance, conduct a thorough inspection and perform safety tests to ensure proper functioning of the steering cylinder. **Test the system at low speeds and gradually increase speed to verify its stability.**

Remember, failure to follow these safety instructions may result in accidents, vehicle damage, or personal injury.

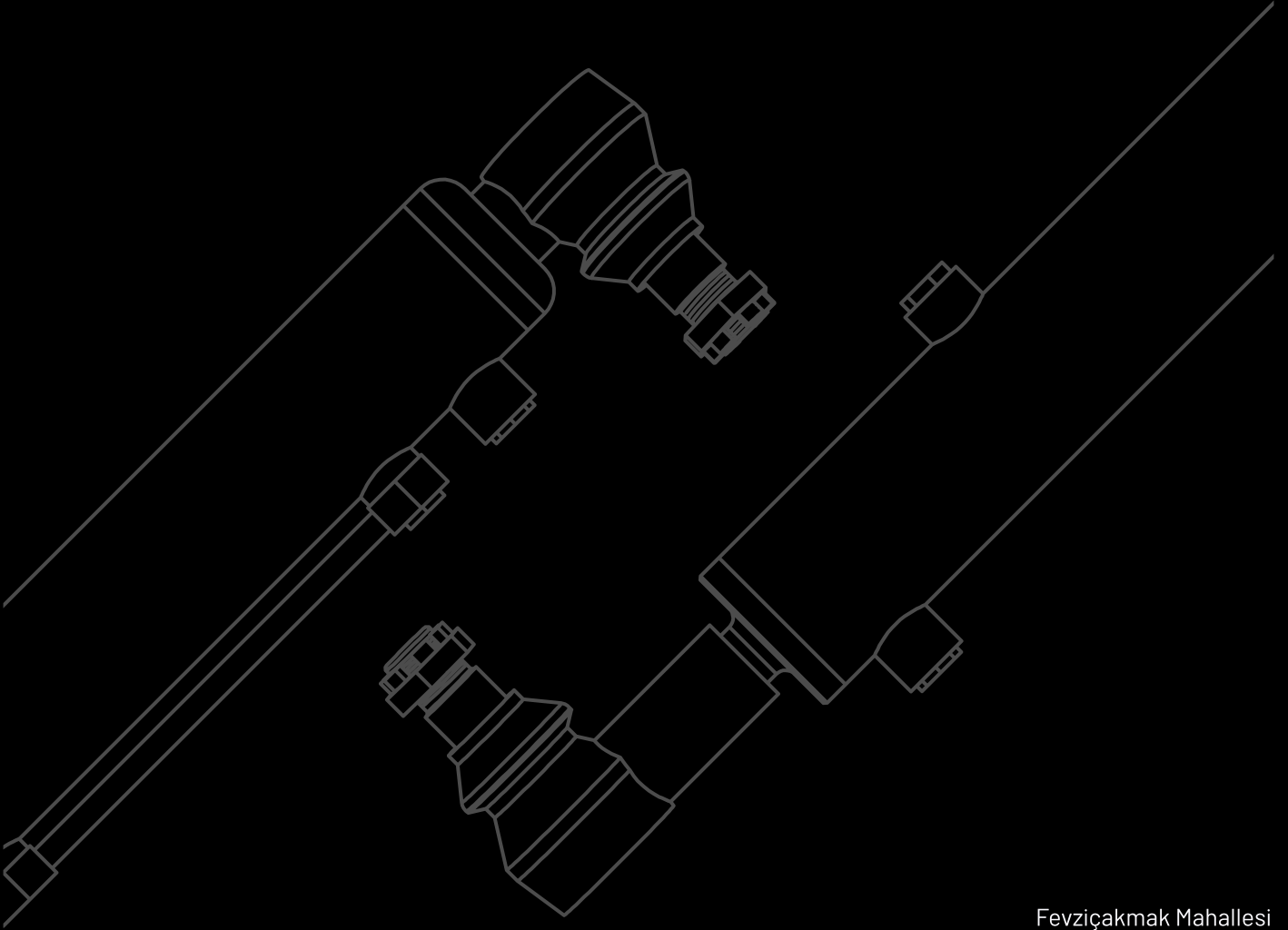


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MERCEDES | MAN | SCANIA | VOLVO | DAF | IVECO | RENAULT



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