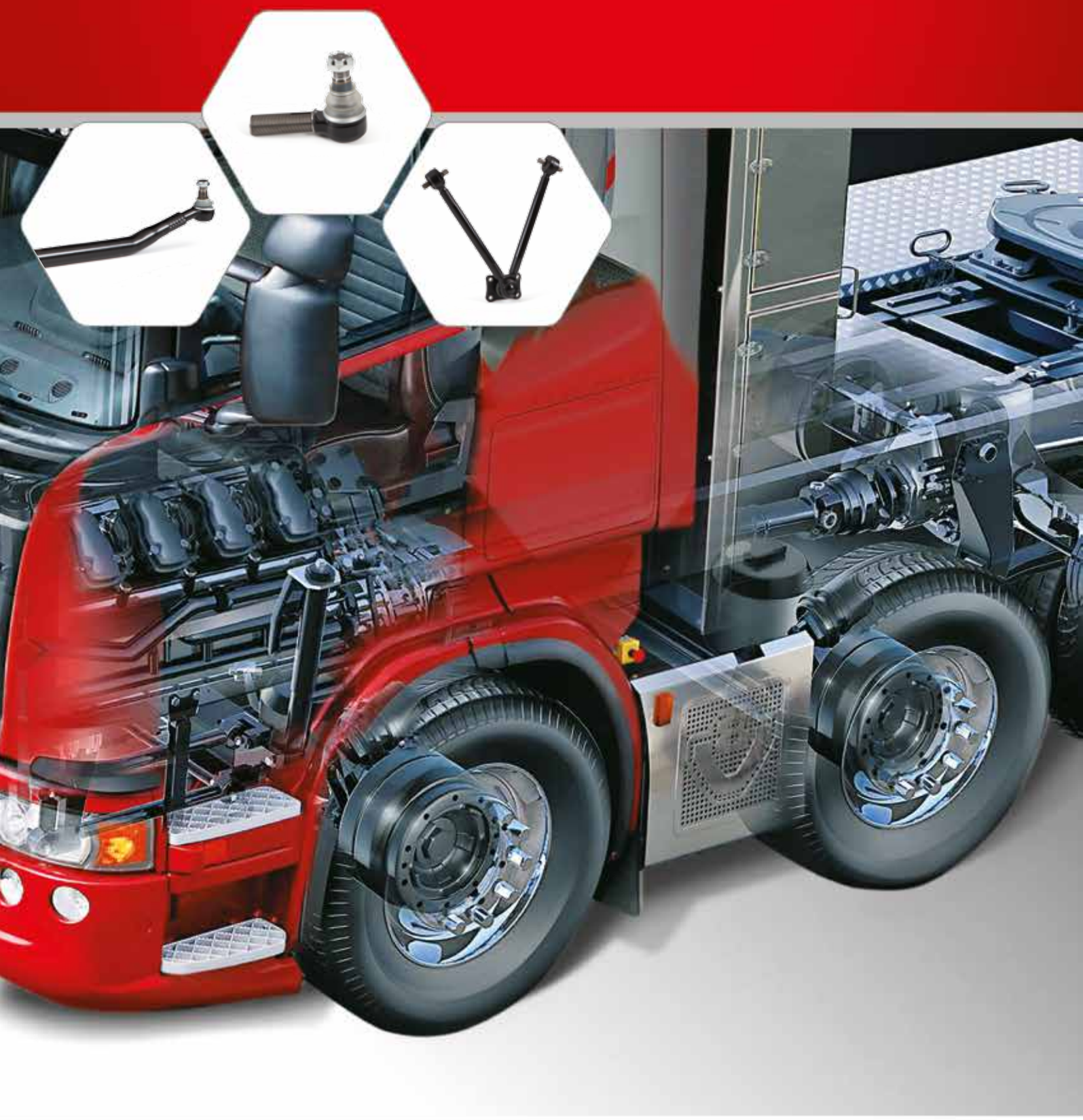
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UT-200


WELE











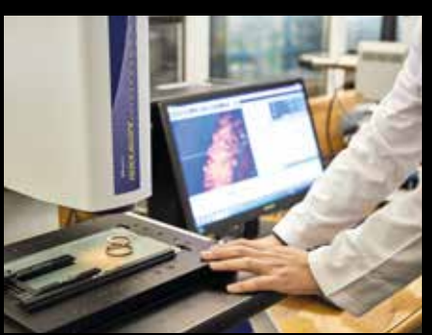
WHO WE ARE

Tors Heavy Machine is a manufacturing company for steering and suspension parts of light commercial vehicles, trucks and buses.

The company produces a wide range of Tie Rod End, Axial Joint, Tie Rod Steering, V-stay Bar, Torque Rod and Stabilizer Link.

Since its inception, Tors has always worked with high standards, aimed to produce quality products, provided the best customer service and had sustainable growth. Tors is increasing its presence within the world market by exporting 92% of its total production annually.

LABORATORY











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TORQUE ROD

SUSTAINABLE QUALITY AND SCALABLE GROWTH



The torque bar is the connection part between axle and chassis in heavy commercial vehicles. The out-of-control movements of the wheels created once the vehicle start depending on the ground form are transmitted to the axle. While a portion of these movements and vibrations are gone away in the wheels, a great portion gets transmitted to the axle. The suspension system that is connected firmly between the axle, the vehicle and the torque rod is turning these uncontrolled movements into low tension, more controlled and limited emission movements of the vehicle itself, which do not affect the passenger's ergonomic structure. At the same time, the rotation force created by the engine that gives the traction power to the vehicle is transmitted to the wheels using the transmission parts. The lateral forces created during corner turnings by the negative effects created by the inertia of the vehicle mass and the traction power of the wheels are transmitted through the suspension system and the torque rod to the vehicle body to which they are connected.

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V-STAY BAR



It has the same features as the torque rod. The difference between the V-stay bar and the torque rod is the v-stay bar is technically more advanced and connected to the joint.

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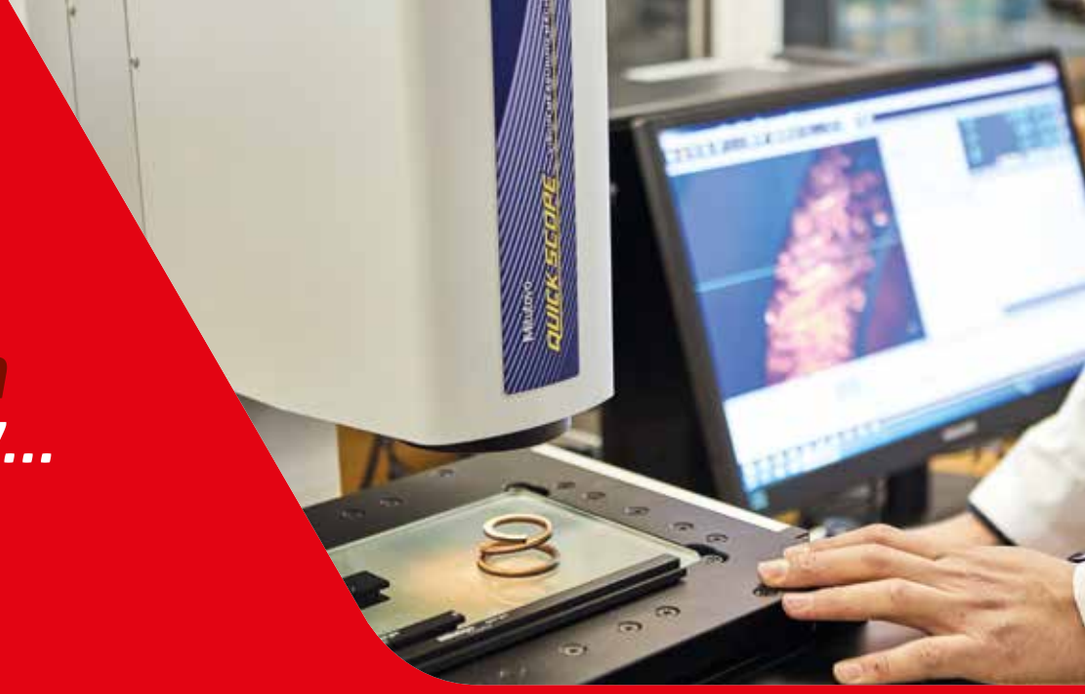
What?
Thermoplastic polyurethane has a strong molecular structure and performance. The polyether and polyester in its chemical structure create strength and resistance.



Why St52?
The main reason St52 pipes are used for the products is their resistance to pressure and corrosion resistance. Moreover, these pipes have high durability.

How?
6222 Quality sheet metal is used for rod covers. The thick rod covers' corrosion resistanceis increased by the method used for coverage.

When?
Our production lines and machines work 24/7 operated by the production team in 3 shifts.



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FIVE Ws AND ONE H?

Who?
Our highly experienced technical team use high precision measuring devices to control the production.







Where?
Components such as clamps, springs and rings are sourced from high-standard accredited manufacturers and assembled in our factory.



Why Electrostatic Powdered Paint?
Electrostatic application of powdered paint is used as our paint application. This method has such high resistance to corrosion, chemical effects or shock.

TIE ROD END

STEP BY STEP CONTROL



Tie rod end is assembled to the tie rod steering by screwing it and controls the movement from the steering box to the wheels.

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BMC, DAF / LEYLAND, DAF, FORD, IKARUS, ISUZU,
IVECO, KARSAN, MAN, MERCEDES BENZ, MITSUBISHI,
NEOPLAN, NISSAN, OTOKAR,
RENAULT, SCANIA, SOLARIS, TEMSA,
VOLKSWAGEN TRUCK, VOLVO, etc.*

*Original make and model names are only for comparison and reference purposes.

STABILIZER LINK

Stabilizer link gives stability and comfort while the vehicle is moving. The link controls the up-and-down and left-and-right movements and prevents the vehicle from tilting.





TIE ROD STEERING

QUALITY PARTS FOR SEVERE CONDITIONS



Tie Rod Steering is a long bar connecting two tie rod ends. In vehicles, it moves the vehicle's turns to sides that are controlled by the steering.



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Induction heating is contactless heat treatment. With this method, metals which are conductive electrically, carbonaceous materials, are heated by using ultrasonic electric. As the method is contactless, there is no distortion or corrosion.

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PITMAN ARM



The Pitman arm is used in the conventional suspension systems that connect the parallel turning wheels to the track control arms. The suspension and steering systems with Pitman arm link are used in all rear-wheel drive and light commercial vehicles. The Pitman arm consists of a bent arm. It connects the steering gear to the housing where it is placed with a threaded ball joint. The threaded ball joint and the bottom housing where it fits are covered with a protective rubber duster. The protective rubber duster prevents the access of the dust into the threaded ball joint. The upper part of the ball joint connects to the balance rod of the steering link. The shaft in the steering gear turns in the direction of the rotation movement transmitted from the steering gear. The Pitman arm connects to the steering gear, and it functions as a lever. The torque coming from the steering gear turns into a mechanical force to transmit the steering movement to the wheels.

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