

Four steering modes – for choosing the best way to steer

# Control Block – 6/4 Steering Mode Valve

## Important features

- For two-axle vehicles, for steering the front or the rear axle, both axles (circular mode), or “crab steering”
- Extremely small steering-angle deviation, thanks to very low leakage
- Low energy consumption (17 W), because only two actuators are controlled
- High corrosion resistance ensured by the zinc-nickel plating

## Function

This control block, with its unique 6/4 valve function for optimum control of different steering modes, was developed for 2-axle vehicles. Vehicle users thus have four steering modes at their disposal, enabling them to choose the best steering method for the particular area of use.

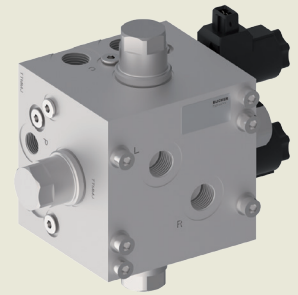
For example, this means that the front axle can be controlled when driving on the road. Rear-axle steering, on the other hand, offers high handling performance for many transportation tasks.

## Your advantages

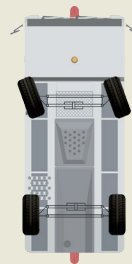
- Optimum selection of steering mode for each area of use
- Low wear and careful treatment of components incl. wheels and tyres
- Highly reliable operation and very rugged and durable
- Maximum functionality in a minimum of space
- Pipework and installation costs are minimised

When the smallest-possible turning radius is required, all-wheel steering (front and rear axle, circular) is used. “Crab steering” is a type of steering used mainly in steep or soft terrain. This minimises ground churning and reduces the risk of toppling over. All these steering options offer the driver maximum steering comfort and safety.

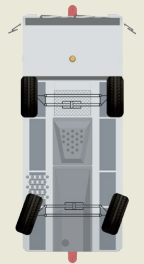
The very low leakage results in an extremely small steering-angle deviation and thus low wear and tear on the components.



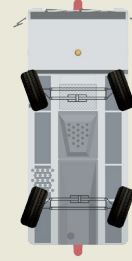
Front-axle steering  
“VL”



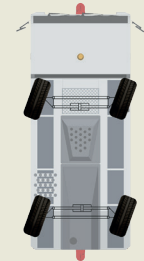
Rear-axle steering  
“HL”



All-wheel (circular)  
“AL”



Crab steering  
“HG”

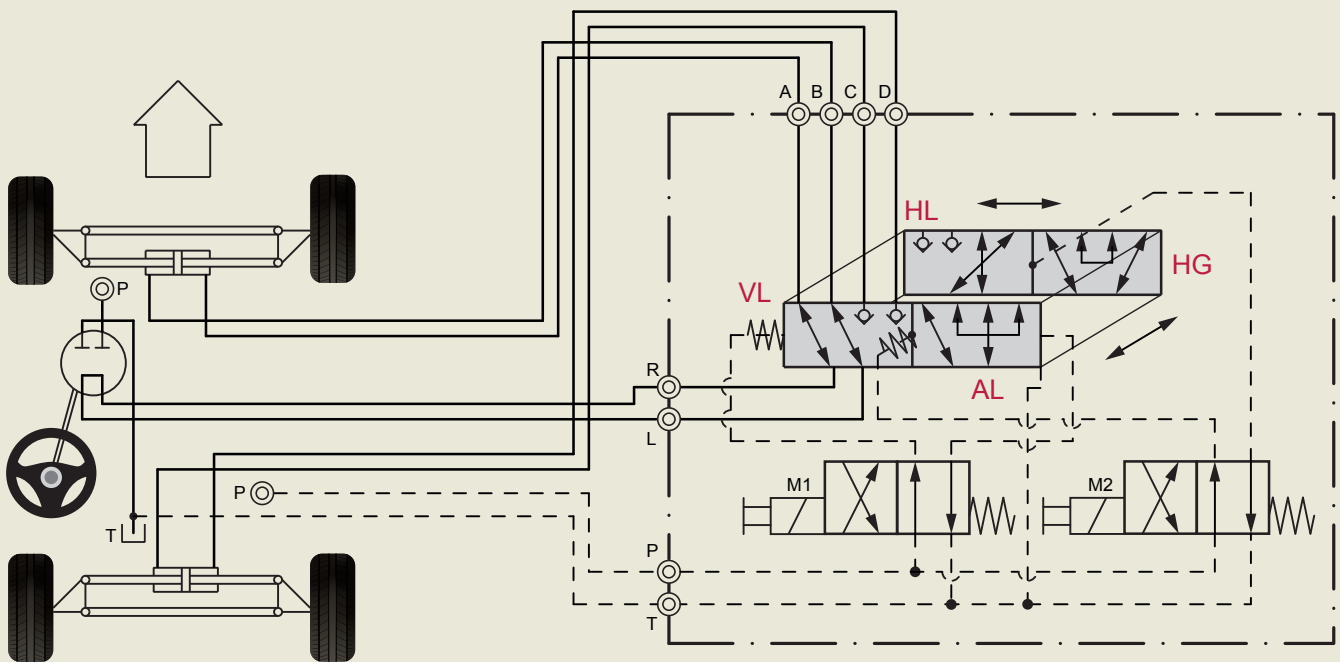


## Technical Data / Circuit Diagrams

### Control block – steering mode valve

$Q_{max}$  40 l/min,  $p_{max}$  300 bar

Reference: STB LENKARTENVENTIL



### Dimensions

