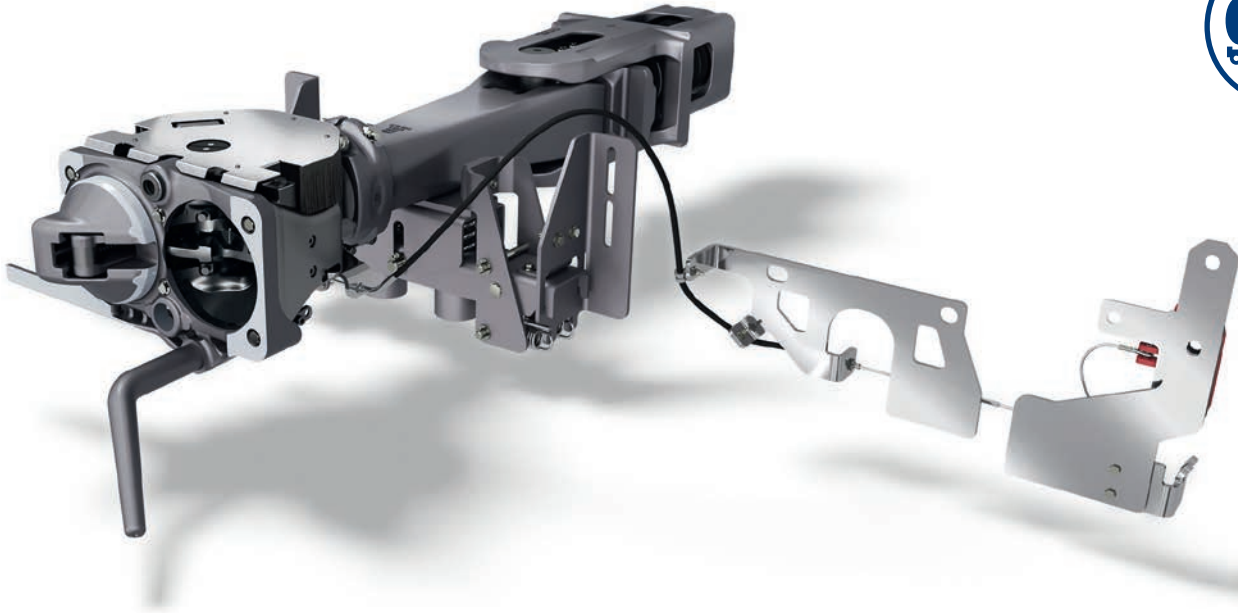




A flexible solution for rail freight transport Voith CargoFlex

Voith CargoFlex is a modular system for European rail freight transport. Based on the type 10 Scharfenberg coupler the system facilitates fast and easy coupling of freight trains. The coupler is suited for UIC 530 installation space and for vehicles according to TSI standard. Due to energy absorption components and a stabilizing linkage safety can be increased and wear can be reduced. Additional components allow for further automation of operation.

Voith CargoFlex Type Scharfenberg for freight wagons



For freight wagons

This automatic center buffer coupler has been specifically designed for freight applications. The basic version of the coupler offers automatic coupling including the brake pipe. The operation without side buffers allows for lower lifecycle costs and reduced weight. A simplified car body design can be realized through central load transmission.

The low-backlash coupler with energy absorption makes for higher safety and reduces wear of trains and tracks. Furthermore the integrated stabilizing linkage reduces the risk of derailment.

The coupler allows for current and future upgrades; due to its modular design it can be equipped with additional modules.

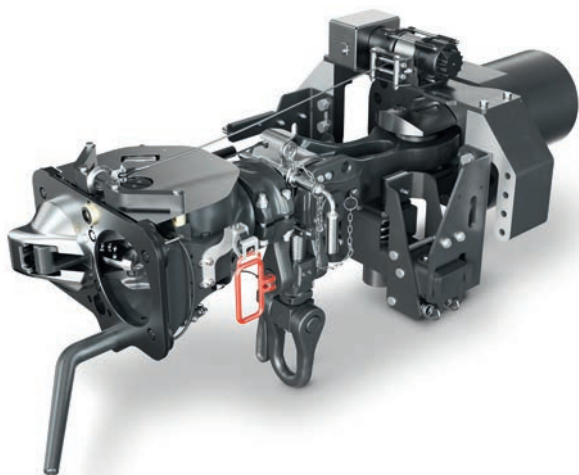
Additional equipment

- Manual uncoupling device (from vehicle side)
- Air pipe connection for main reservoir pipe
- Operating gear for automatic uncoupling

Perfectly prepared for future modules

- Data transmission
- Power supply
- Heating elements for cylinder and front plate
- Sensors for condition monitoring

Voith CargoFlex Hybrid for locomotives



Coupler head in standard position: ready for automatic coupling



Coupler head swiveled upwards: ready for connection with drawhook

For locomotives

With a mixed coupler device and a swivel mechanism behind the coupler head the hybrid coupler is ideally suited to locomotives. For coupling with the UIC-drawhook the coupler head is swiveled upwards. The screw coupler can then be coupled manually and used with side buffers.

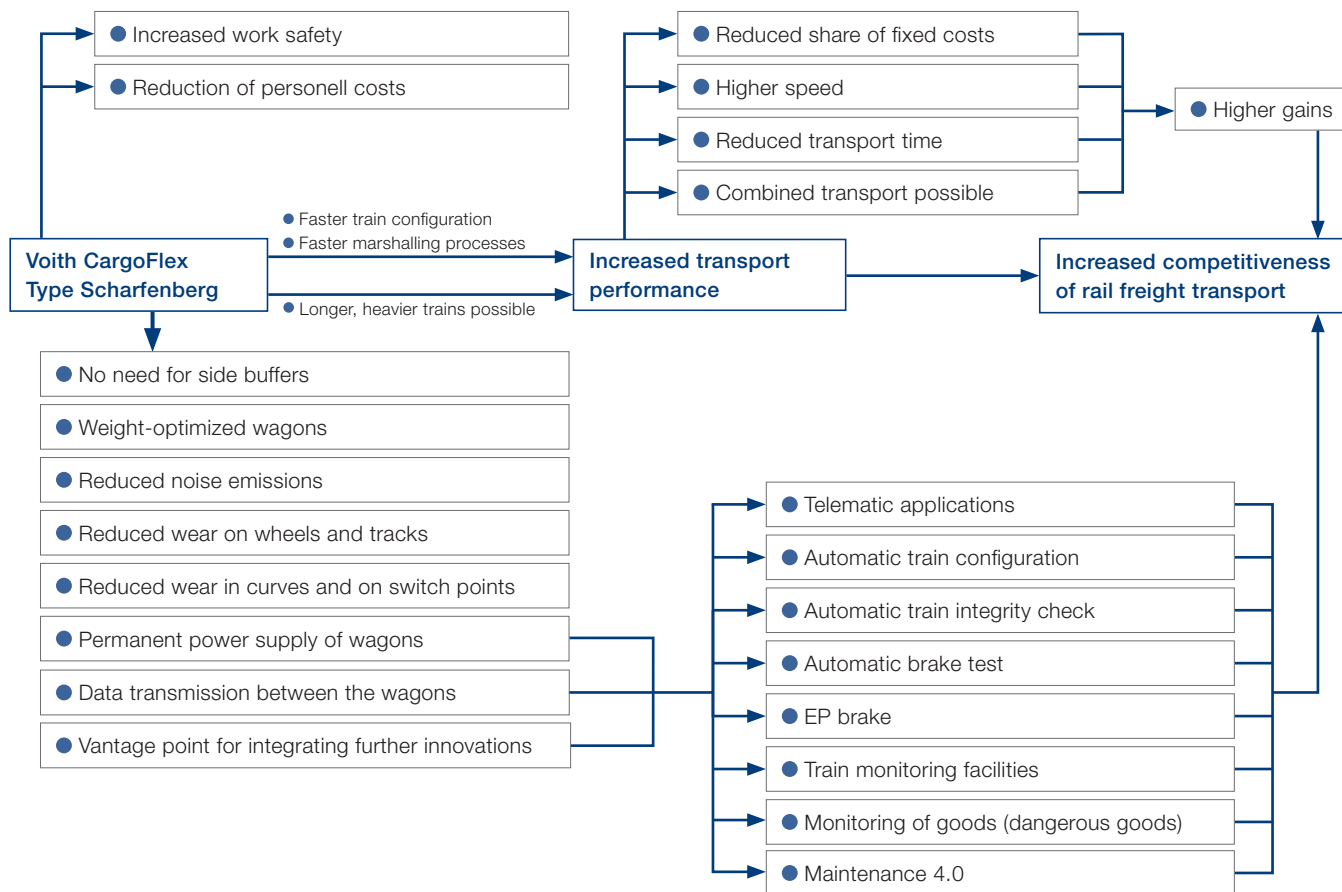
Additional equipment

- Heating elements for cylinders and front plates
- Sensors for condition monitoring
- Air pipe connection to the main reservoir pipe
- Operating gear for automatic uncoupling

Perfectly prepared for future modules

- Data transmission
- Power supply

Benefits of the automatic freight coupler



Voith GmbH & Co. KGaA
 St. Poeltener Str. 43
 89522 Heidenheim, Germany

Contact:
 Phone +49 05341 215916
 cargoflex@voith.com
 www.voith.com/cargoflex

