

Retrofit-able protection against the costs of trailer-induced rollover

Once a vehicle's centre of gravity shifts and reaches a critical point, a rollover is unavoidable. With Haldex EB+ Stability, an accelerometer connected to a Haldex EB+ system detects the signs of a potential rollover and EB+ immediately acts to counter the threat. This means that vehicle operators avoid the risk of costs that range from loss of life, through loss of load and earnings to high insurance premiums, repair costs, interrupted deliveries and traffic disruption.



EB+ Stability

KEY BENEFITS

- Retrofit-able accelerometer making it simple to add Stability to a Haldex EB+ equipped trailer.
- Compatible with Haldex EB+ 2M systems.
- Simply and quickly plugs into Haldex EB+ using a patented and versatile Haldex auxiliary connection.
- Automatically detects and counters potential rollovers caused by driver misjudgement, attempts to avoid collisions or near misses, excessive turning speed or even a rapid change in direction.
- Automatically senses the vehicle's centre of gravity and adjust for loaded/unloaded trailers as well as liquid or loose loads.



product information



Haldex



Stability

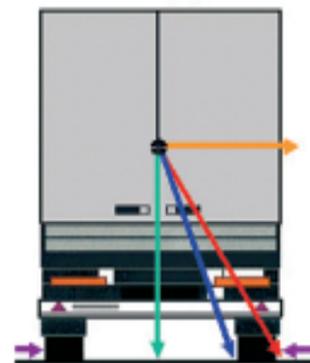
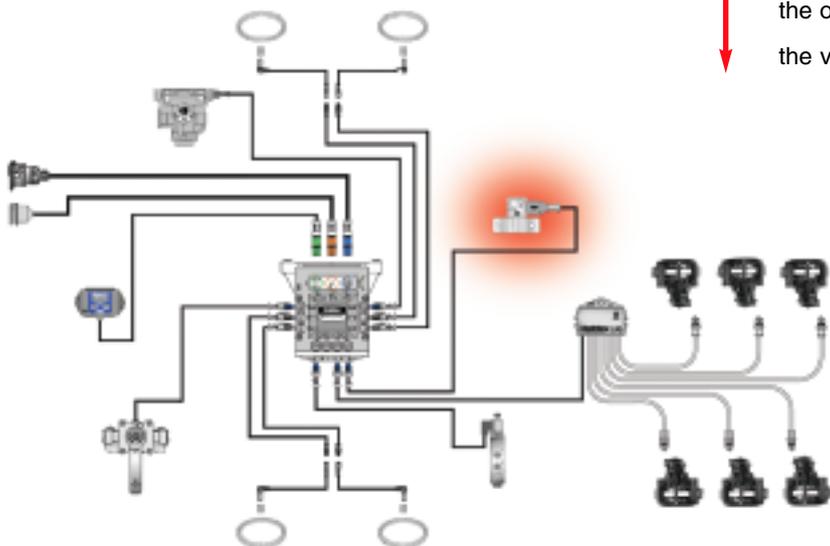


Valuable protection against the risks and costs of trailer-induced rollover

The accelerometer is linked directly to the Haldex EB+ system. Haldex EB+ Stability uses data from the accelerometer and the main Haldex EB+ system to constantly monitor key vehicle parameters. As soon as analysis of the data indicates a potential problem, Haldex EB+ Stability instantly activates brakes on those wheels that can be used to counter the potential rollover most effectively.

How Haldex EB+ Stability works

1. The load – combined with the weight of the vehicle – exerts a vertical force, focused on the vehicle's centre of gravity. The centre of gravity may change or shift according to the load. Haldex EB+ Stability automatically and constantly calculates the vehicle's current centre of gravity.
2. When the vehicle is steered around a corner or a bend, cornering force is generated that attempts to move the vehicle sideways.
3. Haldex EB+ measures tyre-to-road adhesion.
4. Where adhesion falls within 'safe' parameters, there is no need for Haldex EB+ to take action.
5. Where adhesion is outside safe parameters, brakes on the opposing wheel are automatically activated to slow the vehicle down and so counter a potential rollover.



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