



SBB CFF FFS Cargo

5L next –
next generation of
freight wagons.

Voith CargoFlex
Digital, automatic freight coupler

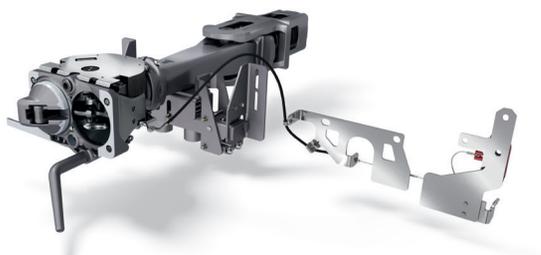
J.M. Voith SE & Co. KG



VOITH

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Market changes, such as the fast-paced innovation on the roads or rising customer demands, are posing major challenges for European rail freight companies. But opportunities opened up by new technology offer great potential for developing the efficiency of freight services.

Innovative freight wagons are key to being able to take full advantage of the Internet of Things (IoT) and automation. As part of the 5L initiative, SBB Cargo, Hupac, VTG and the Federal Office for the Environment (FOEN) as well as many suppliers are developing the next generation of freight wagons.

The next generation is being completely redesigned. The chassis, for example, is considerably lighter than that of a conventional standard flat wagon. The middle segment is not welded but riveted and bolted – just like the lightweight production methods from the lorry sector. SBB Cargo's extensive modernisation steps offer major benefits for customers, wagon keepers, railway undertakings and infrastructure. Find out more at www.sbbcargo.com/innovation

Contact.

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The Voith CargoFlex is a modular system for the European rail freight transport. Based on the Scharfenberg coupler type 10, freight trains can be coupled quickly and automatically. An electric head enables the transmission of energy and data.

To increase the competitiveness of European rail freight transport, digitalization and automation are essential. An important building block for this is the digital automatic coupler. Even in its basic version, the Voith CargoFlex enables automatic coupling including the brake pipes. Combined with an electric head, energy and data transmission are possible. Due to its modular design, the coupler can be upgraded easily and is perfectly suited for future functions such as automatic uncoupling. Throughout all stages of extension, it contributes significantly to the realization of an automated rail freight transport and the 5L train.

Together with energy absorption components and an integrated stabilizing linkage, the low-backlash coupler offers the highest safety, whilst at the same time minimizing wear of the rolling stock and tracks.

Voith CargoFlex is the ideal basis for the digital, automated rail freight transport of the future.

Company.

For over 150 years, Voith has been setting standards in the energy, oil & gas, paper, raw materials and transportation & automotive markets. With more than 19,000 employees, sales of EUR 4.2 billion and locations in more than 60 countries, Voith is one of the largest family-owned companies in Europe. Voith offers the rail industry solutions for passenger and freight transport. From couplers and RailPacks through to services - we are your competent, experienced and reliable partner for rail transport.

Contact.

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