



COUPLING BAR FAMILY

A complete portfolio for all type of multi-platforms wagons

SYSTEM PERIMETER AND TARGET APPLICATIONS

Our latest generation of Wabtec Coupling Bars benefits from the excellent Return Of Experience of service proven products introduced on the Rail Freight Market back in 1998.

The products are designed to equip all type of multi-platforms Freight wagons (bogie or axle) and replace the traditional diagonal buffer system.

It is available for new builds wagon platforms and feature a unique interface for proven running safety with lowest installation costs.

The products are available in a semi permanent version with a split collar assembly allowing to easily separate the Freight cars platforms if and when needed

REFERENCES

More than 5 000 bars installed base

NORMS/VALIDATION

- TSI WAG certified (NoBo SB + SD modules)



KEY CUSTOMER BENEFITS

WAGON KEEPERS

Light Weight

The bars are lighter than the traditional diagonal buffer arrangement allowing to save up to 250 kg per freight wagon platform. Which means 500 kg increased payload for a double platform consist.

No Regular Maintenance

No regular greasing compared to a diagonal buffer traditional system, optimizing overall wagon LCC

Top Performance

optimize the distance between the platforms of the consist and limit impacts (wear) due to push/pull movements. The service proven performance of the previous generation is further enhanced by implementing UV resistant pads ('black pads')

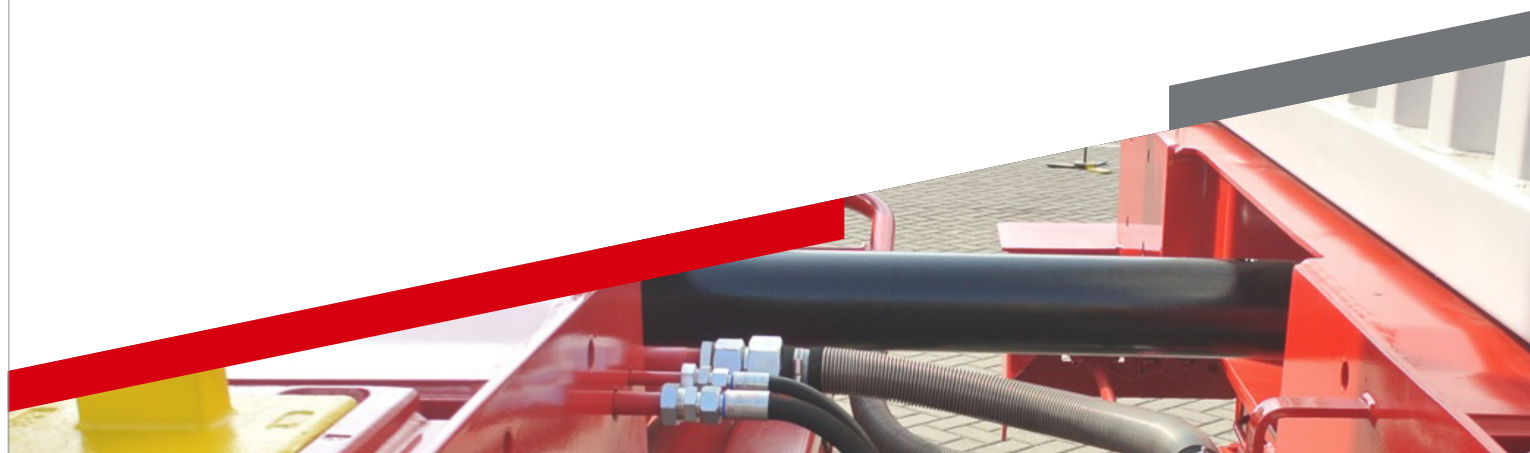
CAR BUILDERS

Easy and quick installation


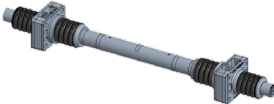
Eight screws simple interface. No special tools.

KEY FUNCTIONS

Mechanically permanently or semi-permanently connect multi-platforms freight wagon together



SPECIFICATIONS AND FEATURES

CHARACTERISTICS	CUSHION BAR	CONNECTING BAR	NORMATIVE REFERENCE / REMARKS
Standard			
			
Application	Bogie multi-platforms	Axle multi-platforms	
Draw Force	1500 kN	1500 kN	EN 12663 Cat F-I, UIC522
Buff Force	2000 kN	2000 kN	EN 12663 Cat F-I, UIC522
Weight	252 kg	309 kg	Depends on Length
Total Length	2406 mm	2424 mm	Adaptable to application
Length between pivots	1800 mm	1800 mm	Adaptable to application
Energy Absorption Buff	2x40 kJ	2 x 40 kJ	UIC 530, EN 15566
Energy Absorption Draw	2 x 27 kJ	2 x 27 kJ	Cat. A, UIC 530, EN 15551
Stroke	+/- 96 mm	± 96 mm	
Endurance validation			EN 15566:2009+A1:2010
Running safety validation	UIC 530-2	EN 15839	
Interface hole pattern	192/64 x 259.5 mm	192/64 x 259.5 mm	
Interface hole diameter	Ø26 mm	Ø26 mm	
Climatic conditions	-40°C / + 70°C	-40°C / + 70°C	
Color	RAL 9005 (standard)	RAL 9005 (standard)	Adaptable to customer requirements
Other modules/features/options			

Semi permanent version



CONTACT

Wabtec Corporation
3, rue du 19 Mars 1962
92230 Gennevilliers CEDEX - France
Email: freighteuropa@wabtec.com

WABTECCORP.COM