

**Universal loading base**

# HighPerformanceBase

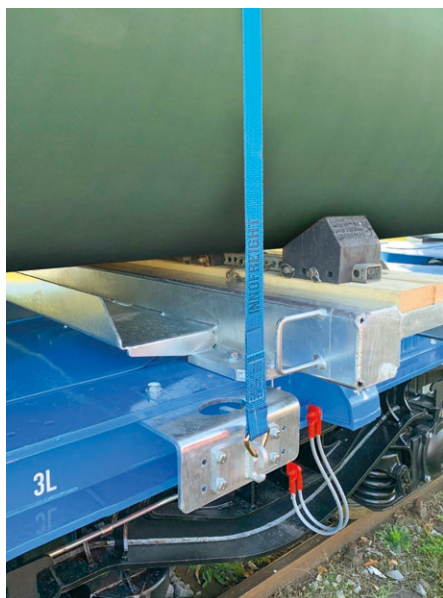
Optimized transport of  
heavy and long goods

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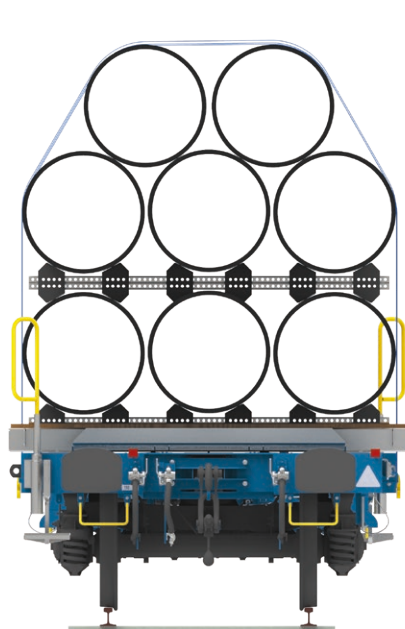




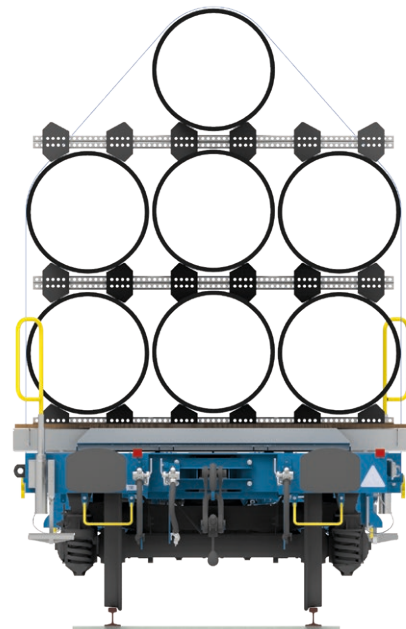
HighPerformanceBase on a 2x45 ft InnoWaggon with 8 pipes Ø 920 mm



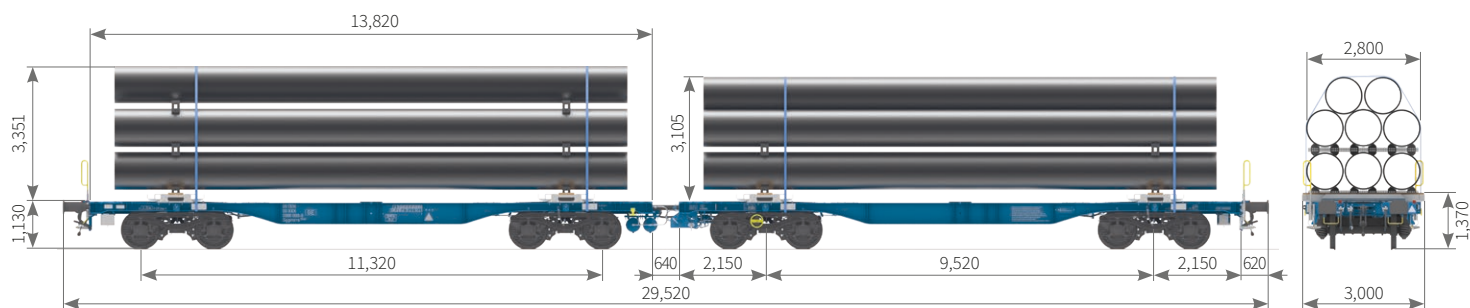
HighPerformanceBase



Loading option 8 pipes Ø 920 mm

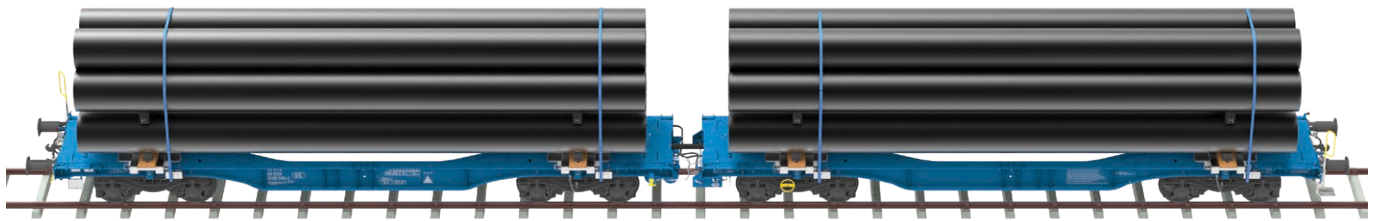


Loading option 7 pipes Ø 920 mm



# HighPerformanceBase

Universal loading base for transporting heavy and long goods on InnoWaggons – e.g. for pipeline pipes in combination with the DHATEC loading system or long steel products



## System benefits:

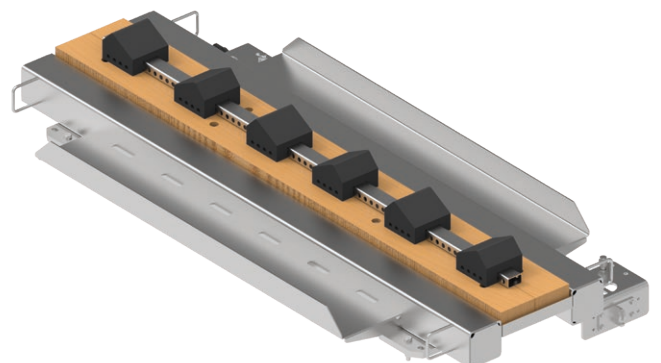
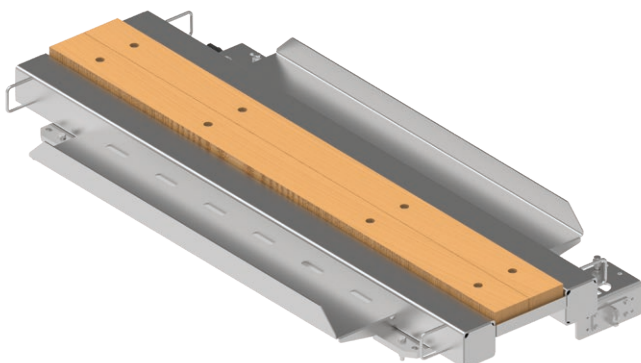
- > Universally applicable for the transport of long steel products, precast concrete parts etc.
- > Low dead load and structure height
- > Individually adaptable for special transport goods

## System benefits for pipeline pipes transport:

- > 147,5 t payload (track class D)
- > Up to 8 pipes per half wagon (Ø 920 mm)
- > Variable pipe diameters through the use of the adaptable DHATEC loading system
- > The complete wagon width can be used for loading pipes
- > Wagon runs in profile G1 without additional licenses (8 pipes Ø 920 mm)
- > Simple transport securing with tension straps
- > DHATEC loading system can be stored on the side of the HighPerformanceBase when empty
- > Loading and unloading with crane or forklift

## Technical data pipeline pipes transport (Ø 920 mm) with 2x45 ft InnoWaggon

<b>Tara</b>	32,500 kg (2 x 16,250 kg)			
<b>Max gross</b>	180,000 kg			
<b>Payload</b>	147,500 kg (2 x 73,750 kg)			
<b>Track class</b>	A	B1, B2	C2, C3, C4	D2, D3, D4
<b>Load limit (t)</b>	95.5	111.5	131.5	147.5
<b>Capacity</b>	7 or 8 pipes			
<b>Length (LoB)</b>	29,520 mm			
<b>Total height</b>	8 pipes: 4,235 mm 7 pipes: 4,481 mm			
<b>Width</b>	3,000 mm			
<b>Loading length</b>	2 x 13.82 m			
<b>Loading gauge</b>	8 pipes: G1 7 pipes: G2			





# 2x45 ft InnoWaggon

## The lightweight base

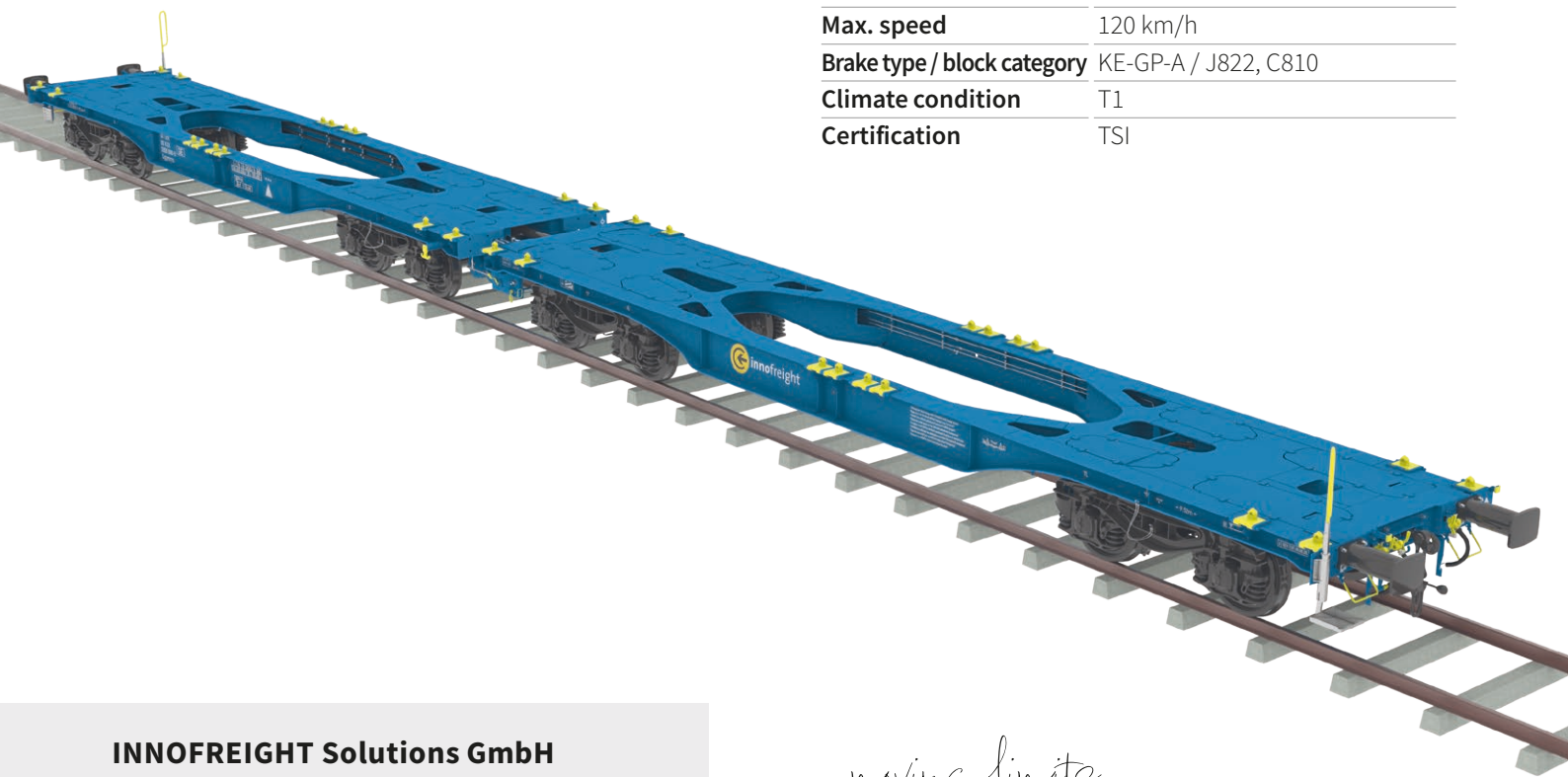
Every superstructure needs a suitable base – the weight-optimized 2x45 ft InnoWaggon provides the optimized one for the HighPerformanceBase. It consists of two close-coupled wagons in a special lightweight design, with four axles each. The wagon is approved for a maximum speed of 120 km/h.

All InnoWaggons are equipped with GPS sensors from Nexiot which track position, speed, temperature and shock events. This data, available in the Innofreight OS app and on the Innofreight OS platform, can also be imported into customer systems via interfaces.

The 2x45 ft InnoWaggon is the longest double wagon from Innofreight. They are also offered in shorter variants: 2x30 ft and 2x40 ft InnoWaggon, providing the appropriate base for all Innofreight superstructures, depending on the transported goods.

## Technical data 2x45 ft InnoWaggon

<b>Classification</b>	Sggmrrs
<b>Classification code</b>	4657
<b>Track class</b>	A, B1, B2, C2, C3, C4, D2, D3, D4
<b>Tare weight</b>	29.9 t (2 x 14.95 t)
<b>Max. axle load</b>	22.5 t
<b>Max. meter load</b>	6.09 t/m
<b>Max. container pins</b>	32
<b>Floor height</b>	
above rail level	1,155 mm
<b>Loading length</b>	2 x 13,820 mm
<b>Length over buffer</b>	29,520 mm
<b>Width</b>	2,890 mm
<b>Track gauge</b>	1,435 mm
<b>Distance between</b>	
bogie pins	9,520 mm
<b>Bogie wheel base</b>	1,800 mm
<b>Wheelset diameter</b>	920 mm
<b>Number of axles</b>	8 (2 x 4)
<b>Min. curve radius</b>	75 m
<b>Max. speed</b>	120 km/h
<b>Brake type / block category</b>	KE-GP-A / J822, C810
<b>Climate condition</b>	T1
<b>Certification</b>	TSI



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since 2002*