

Cost-optimized version

InnoTainer Coils Lite

Efficient transport of
hot and cold rolled coils

www.innofreight.com





A large blue mobile office trailer is shown from a rear perspective with its ramp extended. The ramp features a black diamond-plate metal surface and is divided by a central white stripe. At the bottom of the ramp, there are two sets of silver-colored metal rollers. The trailer is parked on a snowy lot next to a brick building with large windows. In the background, there are snow-covered hills and a fence.

Technical drawing of the Innofreight VeroTainer Coils Lite railcar, showing side and front views with dimensions in millimeters.

Side View Dimensions:

- Overall length: 22,500
- Length of main body: 10,310
- Length of front section: 9,118
- Height of main body: 2,962
- Height of front section: 1,155
- Wheelbase (distance between axles): 8,300
- Distance from front axle to front end: 640
- Distance from front axle to first coil: 1,905
- Distance between coils: 6,500
- Distance from last coil to rear axle: 1,905
- Distance from rear axle to rear end: 620
- Maximum height of coils: max. 2,220
- Minimum height of coils: min. 1,400
- Maximum height of front section: max. 1,600
- Minimum height of front section: min. 1,400

Front View Dimensions:

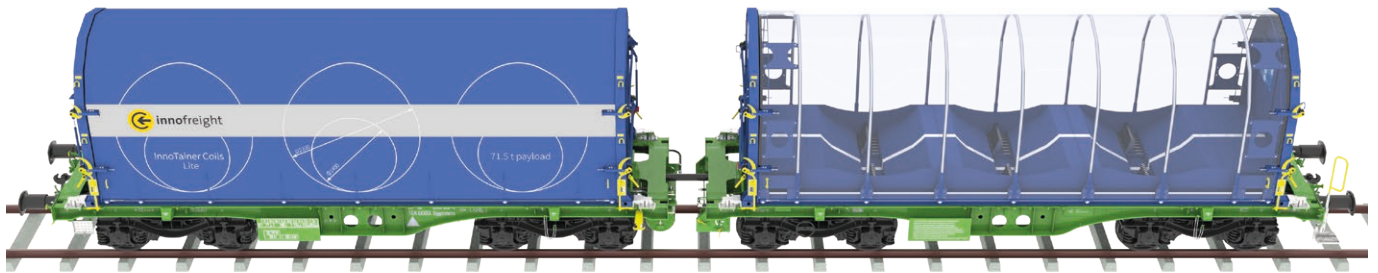
- Overall width: 2,711
- Width of main body: 2,550
- Height of main body: 4,117
- Width of front section: 2,874

Other Details:

- Logo: innofreight
- Text on side: VeroTainer Coils Lite
- Text on side: 71.5 t payload
- Text on front: 100 t

InnoTainer Coils Lite

InnoTainer Coils Lite enables the flexible transport of hot and cold rolled coils with various diameters and widths. High payload and automatic coil securing are just some of the advantages offered by the InnoTainer Coils Lite version.



System benefits

- > High payload, flexibility (various diameters, widths and numbers of coils)
- > Possibility to transport extra heavy coils
- > Loading of hot rolled coils with max. 80 °C
- > Automatic coil securing with piano keys
- > Optimized central locking
- > Loading area protected with a tarpaulin against environmental influences
- > Tarpaulin can be opened from each side to 2/3 or to the center of the superstructure
- > Operation of tarpaulin by one single person
- > Anti abrasive rubber cradle layer for coil protection
- > Cost-optimized design
- > Full utilization of wagon capacity for track class D
- > Wagon runs in profile G1 without additional permits

Loading and unloading

- > Crane top-loading
- > Forklift side-loading
- > No additional transport lock necessary

Loading scheme per half wagon

	Cradle 1	Cradle 2	Cradle 3
Coil Ø min. (mm)	1,400	1,400	1,400
Coil Ø max. (mm)	2,200	1,600	2,200
Max. payload (kg)	36,000	26,000	36,000

Coil width max. 2,200 mm, min. 780 mm

Max. payload (all cradles together): 71.5 t

Technical data with 2x30 ft InnoWaggon

Tara	37,000 kg (2 x 18,500 kg)				
Max gross	180,000 kg				
Payload	143,000 kg (2 x 71,500 kg)				
Track class	A, B1	B2, C2, D2	C3, D3	C4	D4
Load limit (t)	75.5	107.0	125.0	127.0	143.0
Capacity	6 coils (2 x 3 coils)				
Goods	hot and foil covered cold rolled coils				
Length (LoB)	22,500 mm				
Total height	4,117 mm				
Width	2,711 mm				
Cradle mat	Anti abrasive rubber				
Loading gauge	G1				



InnoTainer Coils Lite with opened tarpaulin

2x30 ft InnoWaggon

The lightweight base

Every superstructure needs a suitable base – the weight-optimized 2x30 ft InnoWaggon provides the optimized one for the InnoTainer Coils Lite. 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.

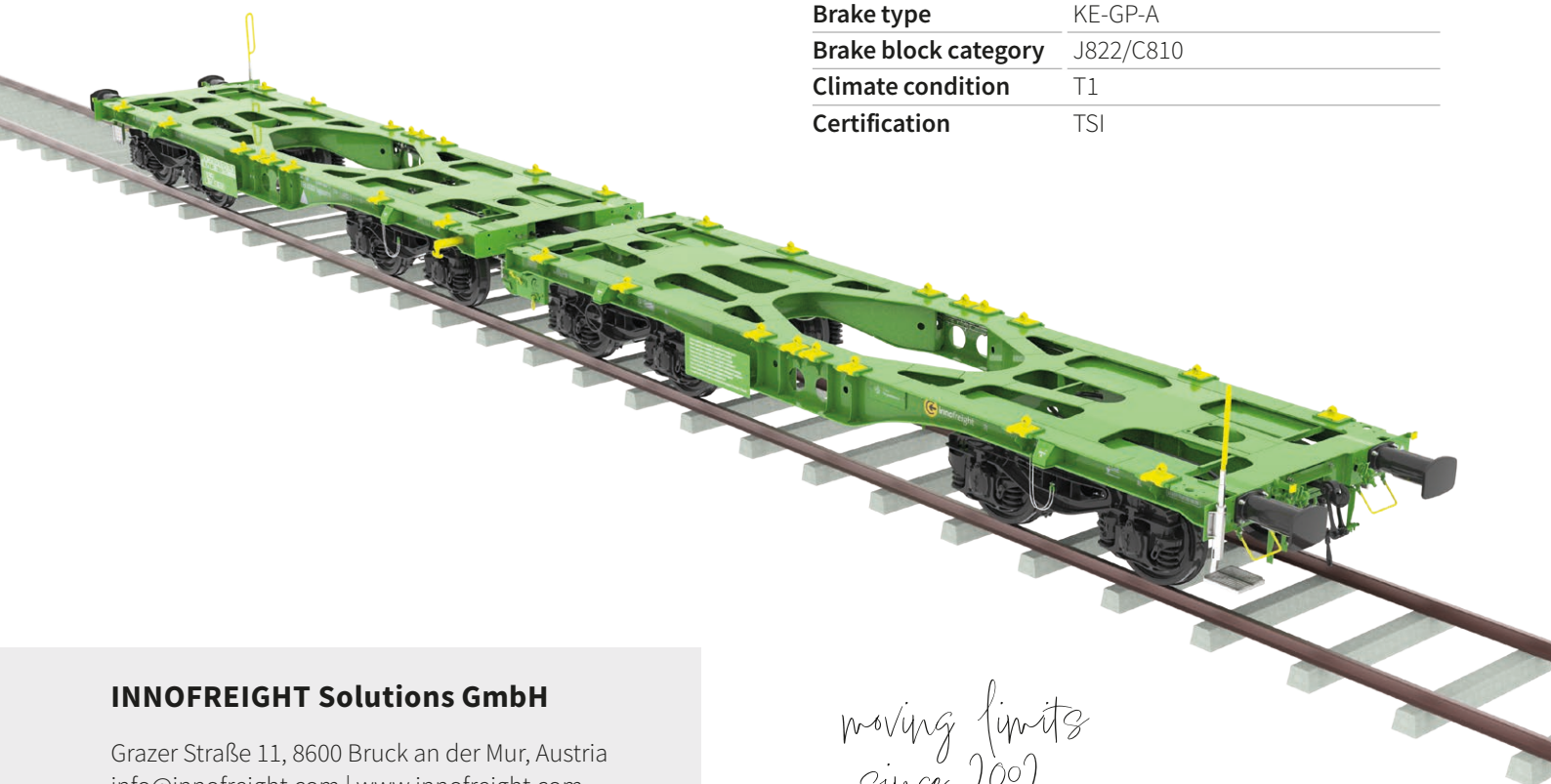
Compared with longer wagons, this short wagon has a higher load per meter, which allows shorter trains or higher payloads for the same train length, depending on requirements.

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

Technical data 2x30 ft InnoWaggon

Classification	Sggmmrrs
Classification code	4658
Track class	A, B1, B2, C2, C3, C4, D2, D3, D4
Tare weight	28.4 t (2 x 14.2 t)
Max. axle load	22.5 t
Max. meter load	8.00 t/m
Max. container pins	32
Floor height	
above rail level	1,155 mm
Loading length	2 x 10,310 mm
Length over buffer	22,500 mm
Width	2,874 mm
Track gauge	1,435 mm
Distance between	
bogie pins	6,500 mm
Bogie wheel base	1,800 mm
Wheelset diameter	920 mm
Number of axles	8 (2 x 4)
Min. curve radius	75 m
Max. speed	120 km/h
Brake type	KE-GP-A
Brake block category	J822/C810
Climate condition	T1
Certification	TSI



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since 2002*