



Product Catalog

Freight Wagons | Bogies

2022



Railtur Vagon Endüstrisi ve Taşımacılık A.Ş., has been founded in year 2006 at Free (Trade) Zone in City-Kayseri to produce railway vehicles and spare parts and to make their maintenance. In its founding year, it became the first and only company in Turkey which produced tank wagons and bogies according to standards of European Union. The company makes production on 15.000 m² of closed and 60.000 m² of open areas. Our factory is the biggest Y25 type bogie manufacturer in Turkey.

MAIN TITLES OF OUR PRODUCTS

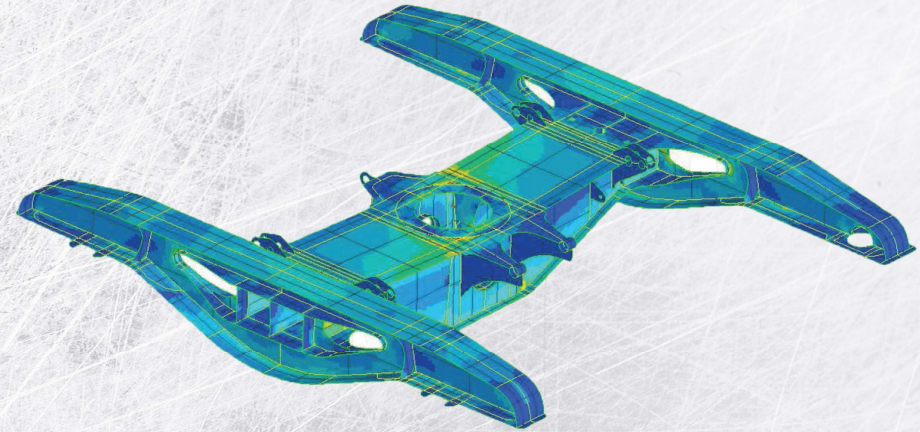
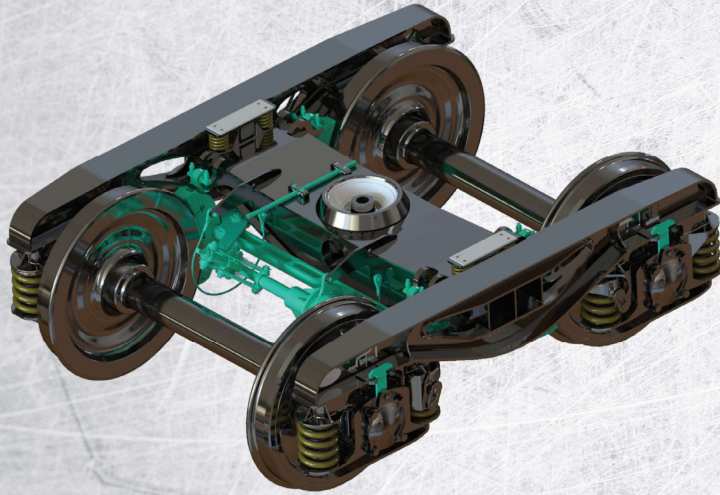
- Bogie Production For The Freight Wagons
- Tank Wagon production
- Flat Wagon Production
- LRT – Tram, Metro Vehicle Bogies
- Heavy Maintenance of Railway vehicles
- Work Shops Equipments
- Spare Parts Production For Railway Vehicles

Our company has all the quality certificates and qualifications required for the design, development, production, welded manufacturing, servicing, reconstruction, maintenance and sales of railway vehicles and products, bogies, wagon sub-assemblies, pressure vessels, parts and products for the general machinery industry.

By this time, more than 10 thousand of Y25 type bogies in different configurations, 500 pieces of flat waggons and 300 pieces of tank waggons of various types and 200 pieces of tram bogie frames of various specifications were produced.

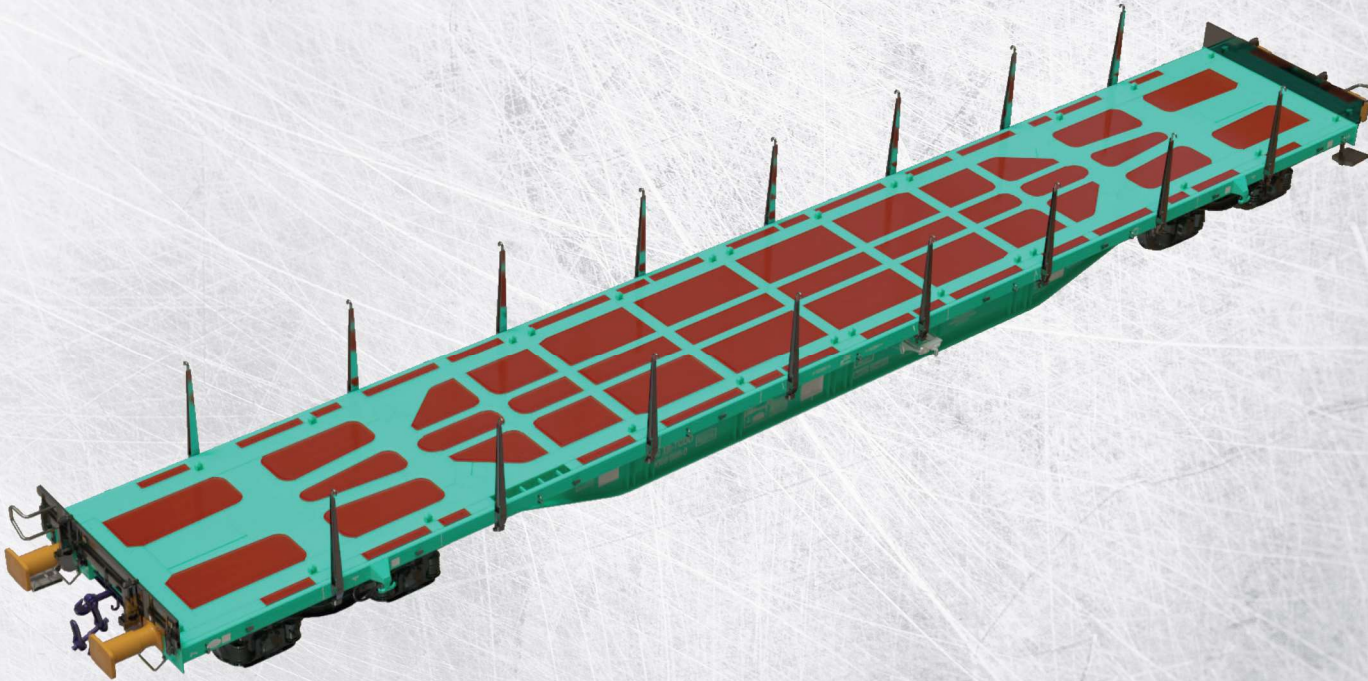
Moreover, it has received certificate of qualified supplier from European Railway undertaking companies.

Y-Type Bogies:



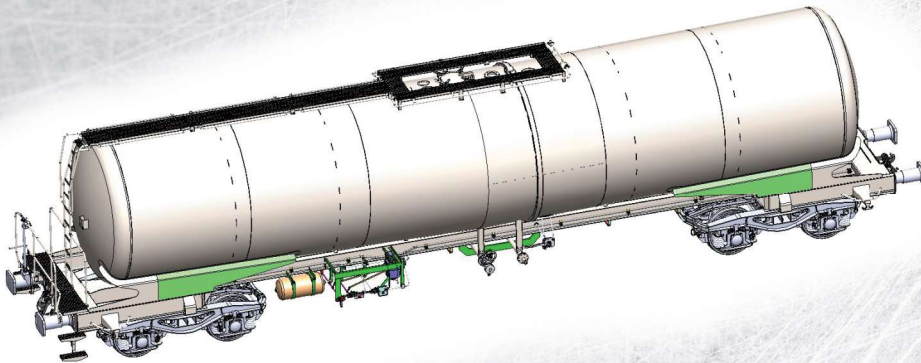
R&D Department of our company: Capable of developing and designing new products as well as designing production fixtures and manufacturing lines. By anticipating of customer and market needs, designs products accordingly and ensures their qualification according to the relevant standards. By means of its 3D-Modeling and analysis capability, it opens the way for the products the successfully passing of the strength fatigue tests.

Flat railcars:



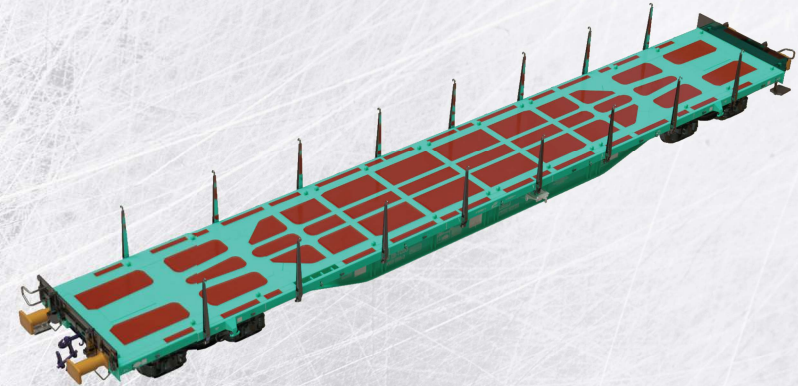
Wagons:

Tank railcars



95 m3 Zacns
70 m3 Za(e)s
62 m3 Zas

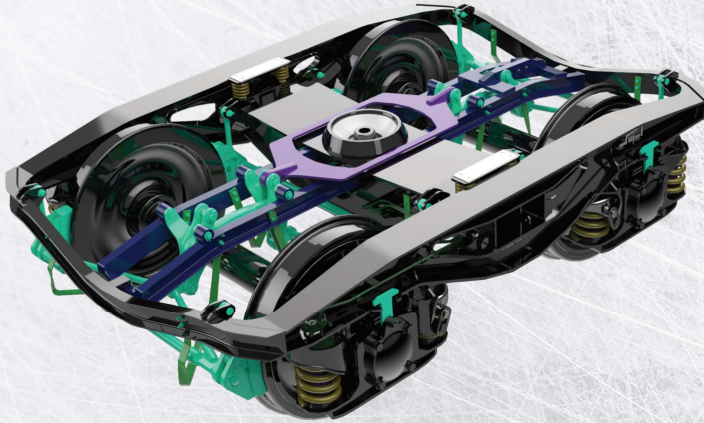
Flat railcars



Rgns 60

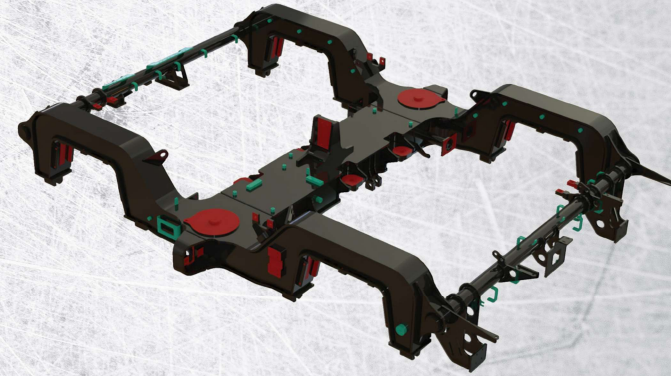
Bogies:

Y-type bogies



Y25Ls(s)d1-K
Y25Lsd-KP1
Y25Lsd(f)-KC1
Y25Lsd(f)-KC1-W
Y25Ls(s)(d)i1-K

Bogie frame of Passenger Vehicle



ISTANBUL LRV TRAM
BOZANKAYA -1 LRV TRAMWAY
TURASAŞ MİLLİ ELEKTİRLİ TREN SETİ - EMU



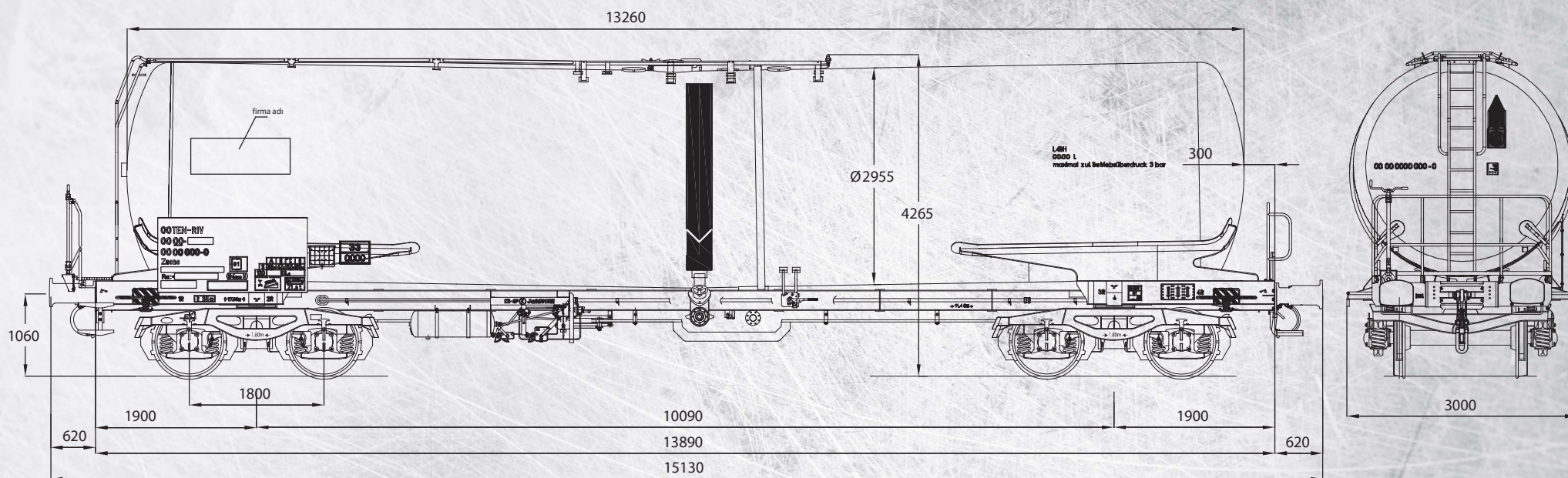
Technical specifications

Features

- This tank wagon is designed for transportation of liquid mineral oils commodities compliant to tank code L4BH.
- The tank wagon is variable and has the possibility to be equipped with different loading and loading equipment according to customer requirements.
- It is designed according to TSI, RID 2007, EN, UIC standards and has TEN RIV traffic operation.

Capabilities

- The tank is loaded/filled through the dome (fitted with flap cover secured with 4 screws)
- The tank is discharged through the lower side, through the discharge pipe DN100
- Bottom valve is operated through a mechanical bilateral operating device



General Parameters

Loading gauge	G1 (UIC)	Tank type	L4BH
Track gauge	1.435 mm	Tank working capacity	~ 95 m3
Axle load	22,5 t / axle	Tank central slope	1~
Brake type	GP-A	Calculation pressure	10 bar
Brake regime	S	Max. Operating pressure	3 bar
Max. speed at 90 t	100 km/h	Tare weight	~ 24,5 t
Max. speed empty	120 km/h	Payload	~ 65,5 t
Bogie type	18-100 (Russian)	Climate condition	T1 (TSI)



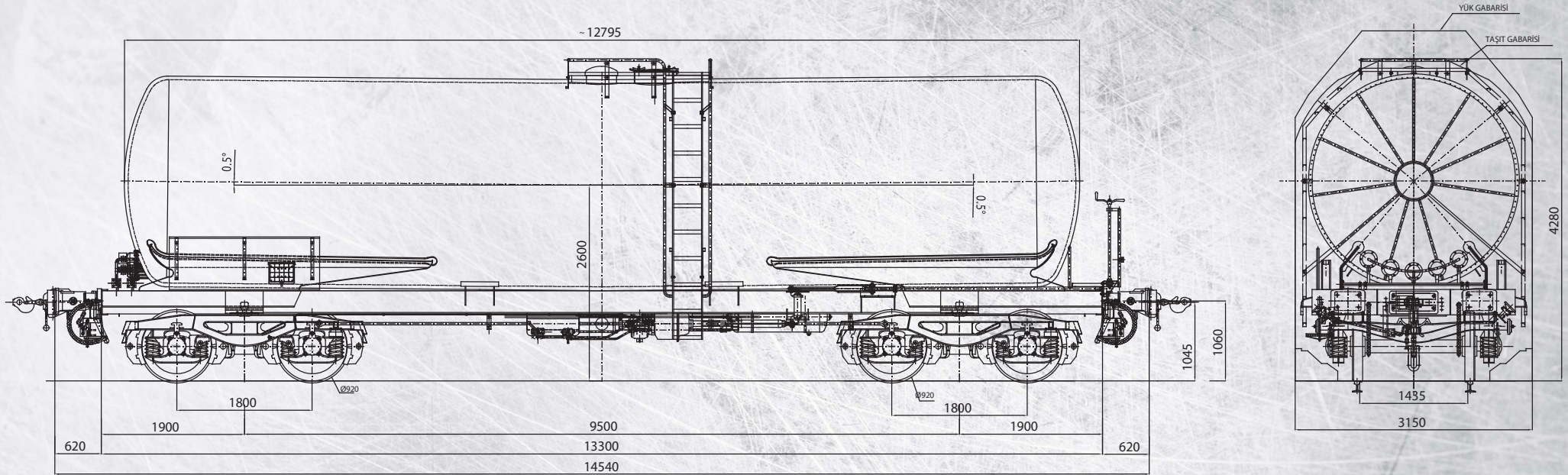
Technical specifications

Features

- This tank wagon is designed for transportation of liquid mineral oils commodities compliant to tank code L4BN.
- The tank wagon is variable and has the possibility to be equipped with different loading and unloading equipment according to customer requirements.
- It is designed according to RID 2005, EN, UIC standards and has RIV traffic operation.

Capabilities

- The tank is loaded/filled through the dome (fitted with flap cover secured with 4 screws)
- The tank is discharged through the lower side, through the discharge pipe DN100
- Bottom valve is operated of tank



General Parameters

Loading gauge	G1 (UIC)	Tank type	L4BN
Track gauge	1.435 mm	Tank working capacity	~ 70 m3
Axle load	22,5 t / axle	Tank central slope	0,5~
Brake type	GP-A	Calculation pressure	10 bar
Brake regime	S	Max. Operating pressure	3 bar
Max. speed at 90 t	100 km/h	Tare weight	~ 25 t
Max. speed empty	120 km/h	Payload	~ 65 t
Bogie type	Y25Lsd1	Climate condition	RIV



Technical specifications

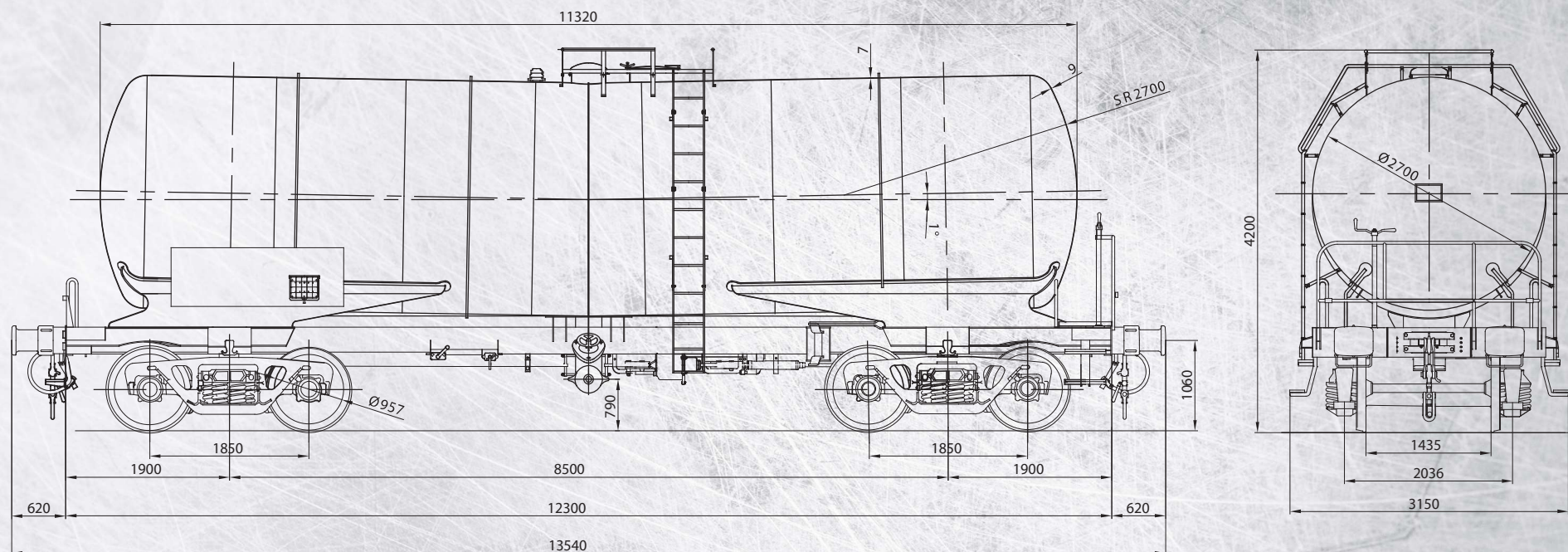
Features

- This tank wagon is designed for transportation of liquid mineral oils commodities compliant to tank code LGBF.
- The tank wagon is variable and has the possibility to be equipped with different loading and unloading equipment according to customer requirements.
- It is designed according to RID 2005, EN, UIC standards and has RIV traffic operation.

Capabilities

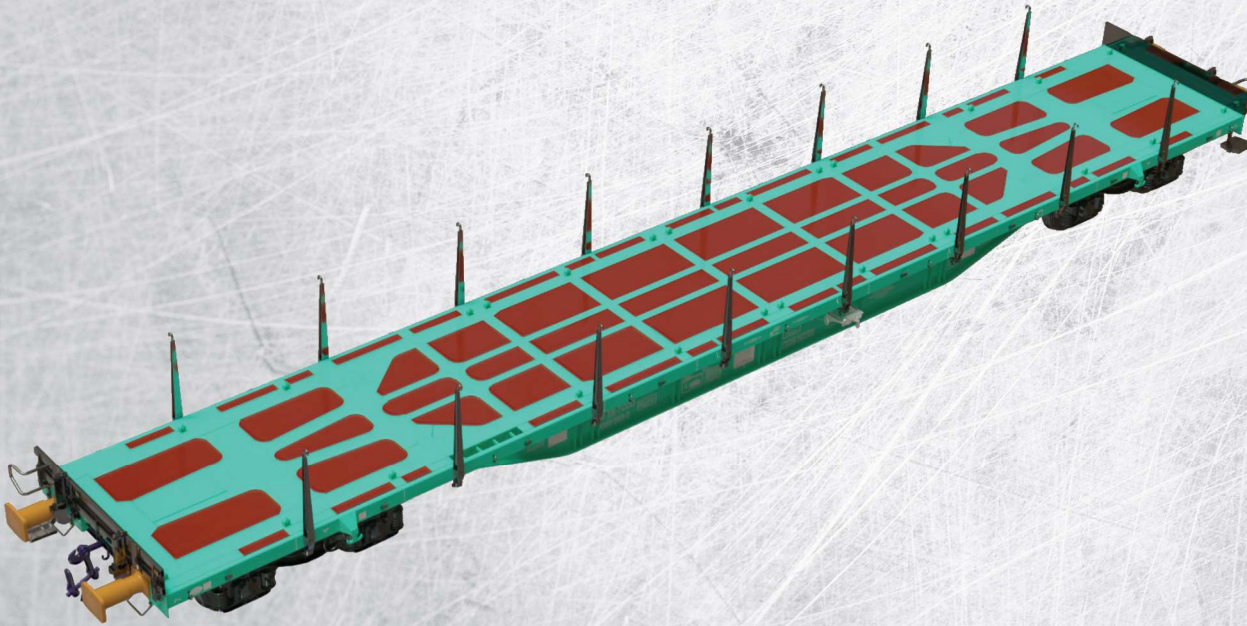
- The tank is loaded/filled through the dome (fitted with flap cover secured with 4 screws)
- The tank is discharged through the lower side, through the discharge pipe DN100
- Bottom valve is operated of tank

62 m3 - Zas | 4-axle Tank Wagon



General Parameters

Loading gauge	G1 (UIC)	Tank type	L4BN
Track gauge	1.435 mm	Tank working capacity	~ 62 m3
Axle load	22,5 t / axle	Tank central slope	1~
Brake type	GP-A	Calculation pressure	10 bar
Brake regime	S	Max. Operating pressure	3 bar
Max. speed at 90 t	100 km/h	Tare weight	~ 25 t
Max. speed empty	120 km/h	Payload	~ 65 t
Bogie type	18-100 (Russian)	Climate condition	RIV



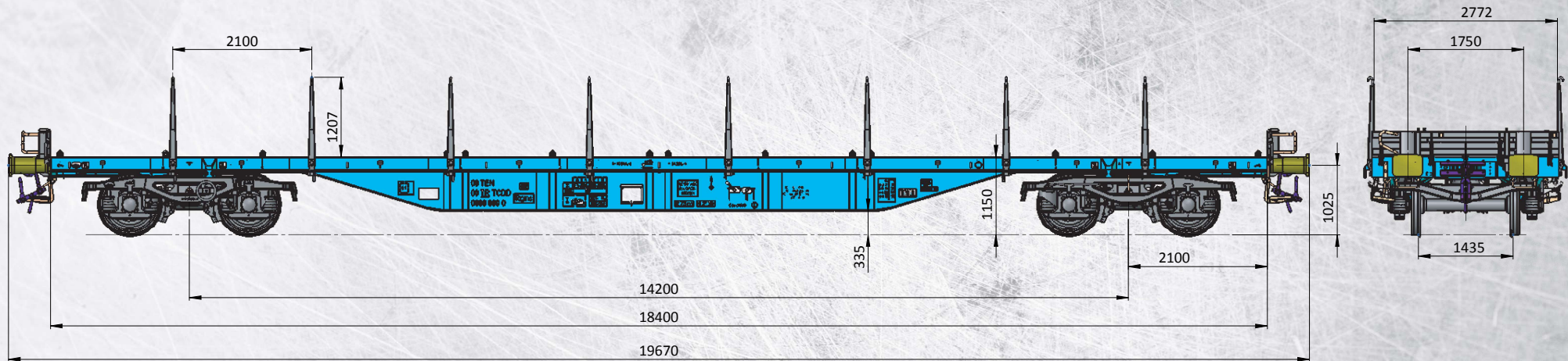
Technical specifications

Features

- This wagon is appropriate for the loading of steel construction materials, long and flat goods (such as profiles, tubes, rails), bloc goods (such as rolls, sheet plates, marbles), wheel vehicles and light tracked vehicles and contains.
- The wagon is equipped with 2 foldable small size front walls (flaps) with two supporting stanchions on each at the ends of the wagon, with 8+8 standard swivel stanchions with 14+14 pieces of container spigots and with 9+9 pieces of anchoring rings on side beams.
- The wagon floor is wooden
- The wagon design meets the requirements of TSI, EN, UIC standards and has TEN GE marking for traffic operation.

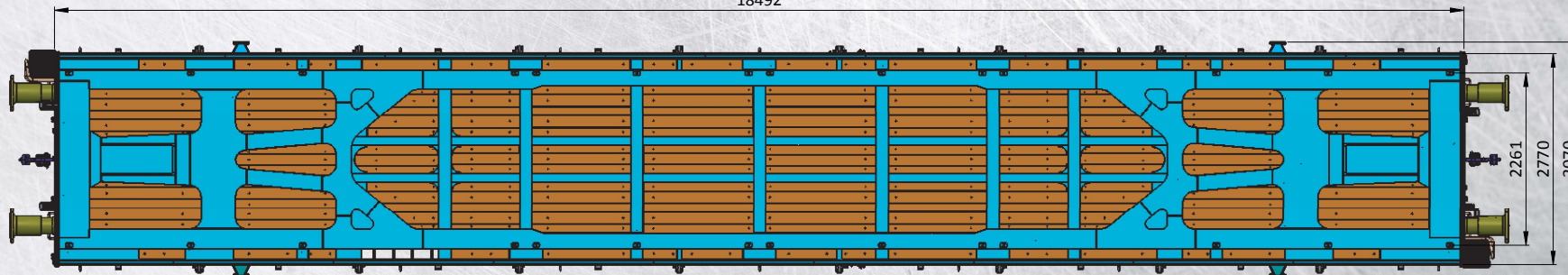
Capabilities

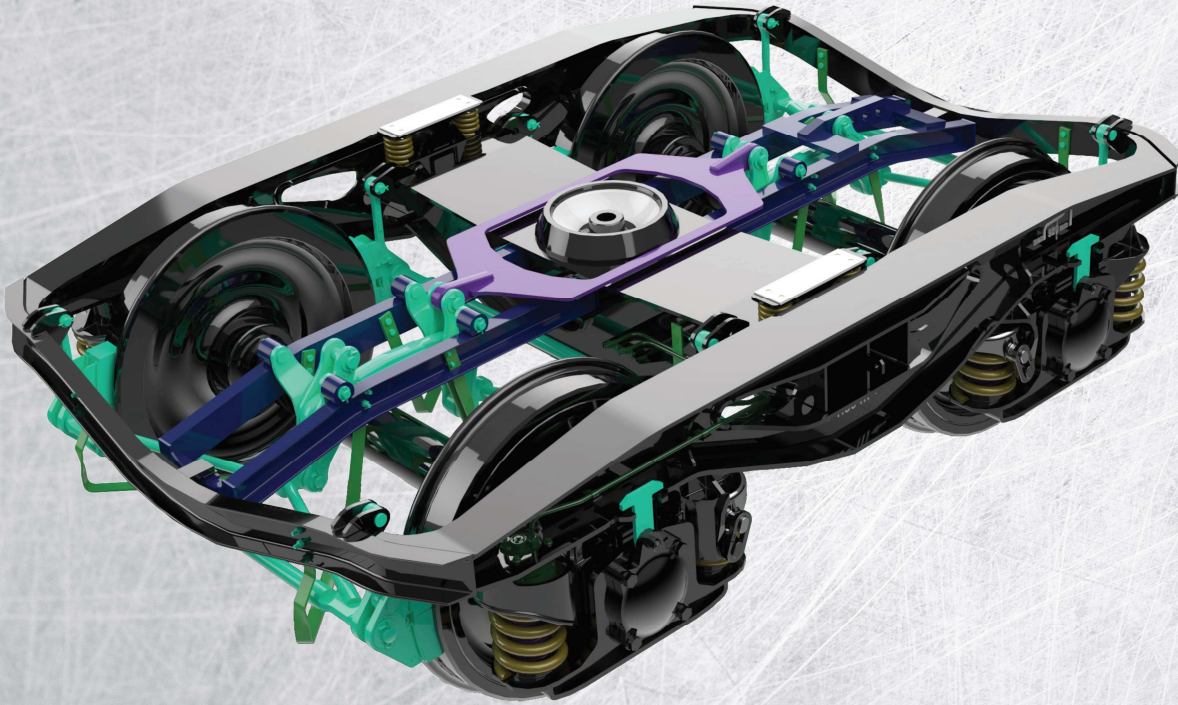
- This wagon can be loaded from the top by crane, from the sides after tilting the side stanchions by wheeled vehicles or from the front of wagon after tilting the front walls to create a transition platform
- Container loading variations:
2x30', 2x20', 3x20', 1x40', 1x20' + 1x40'



General Parameters

Loading gauge	G1 and /or G2(TSI)	Axle load	22,5 t / axle
Track gauge	1.435mm	Max. Speed at 22,5 t / axle	100 km/h
Brake regime	"S" or "SS"	Max. Speed at 18 t / axle	120 km/h
Bogie type	Y25Lsdi(f)-KC1	Climate condition	T1
Brake type	GP-A (compact)	Tare weight	~ 20,5 ton
			18492





Technical specifications

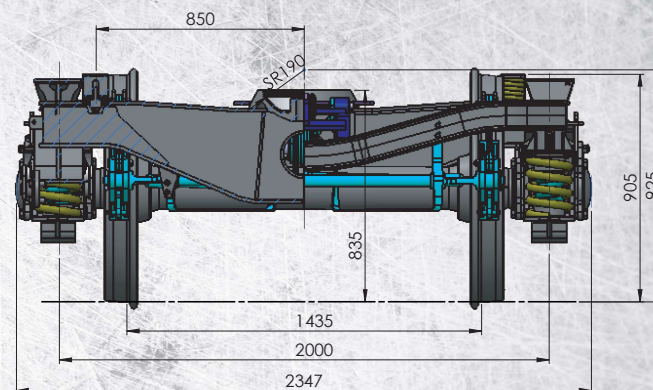
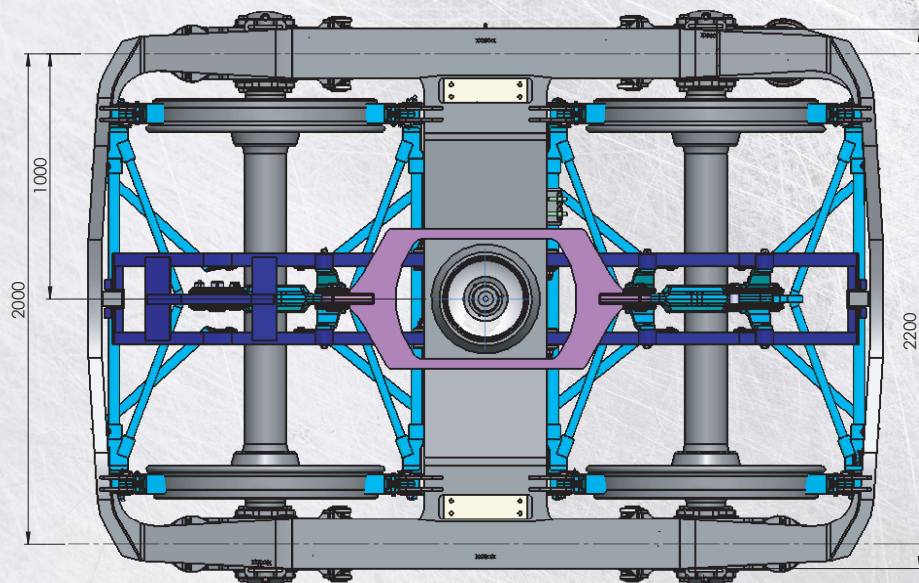
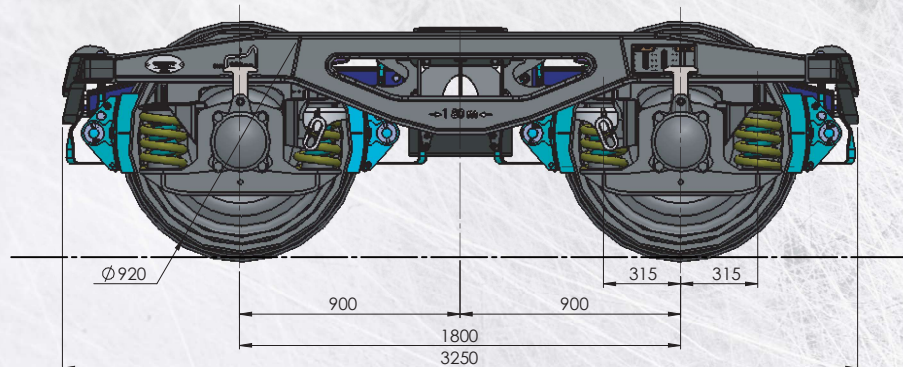
Features

- This standard type of bogie is suitable for various types of freight wagons.
- The bogie is TSI certified, in different variations: Y25Ls(s)d1 and Y25Ls(s)1-K.
- The bogie is designed and approved as Interoperability Constituents in accordance with TSI
- May be used for RIV and TEN RIV traffic operation

Capabilities

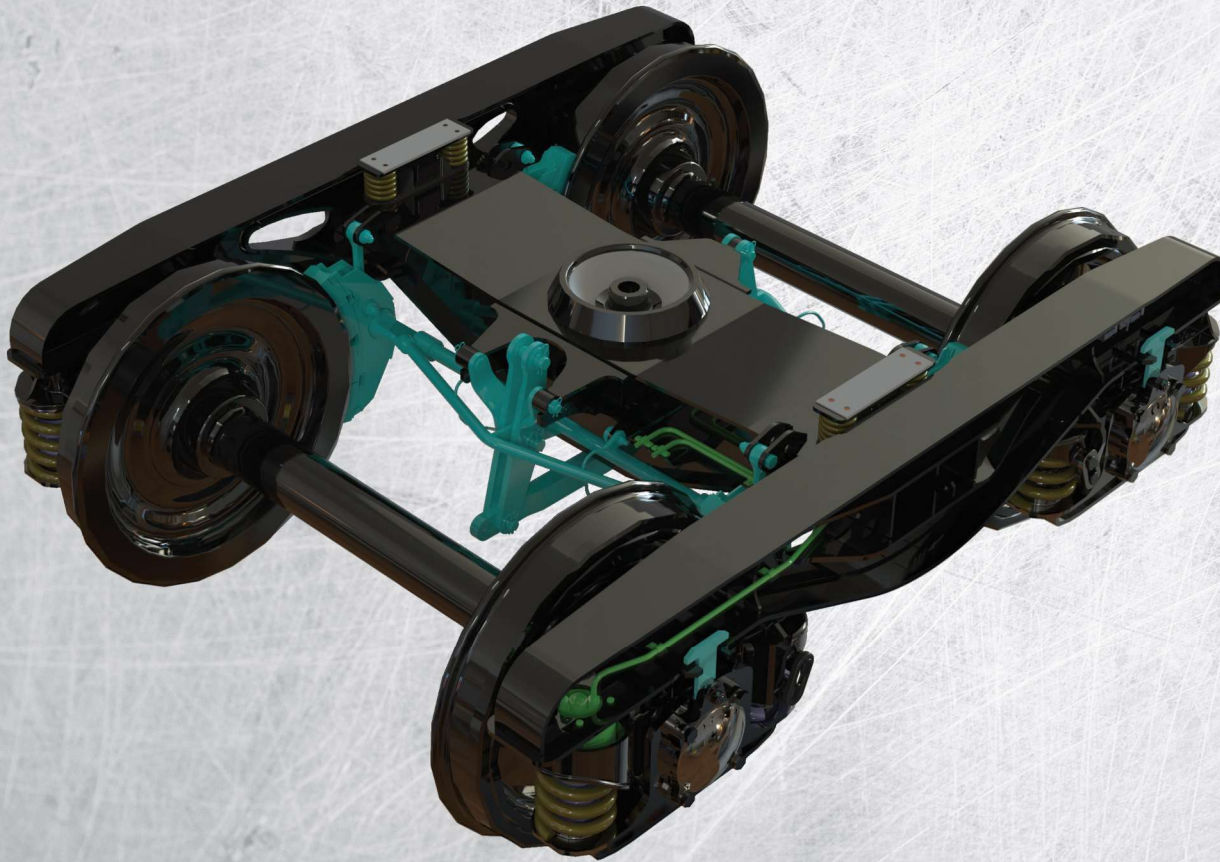
- The bogie could be equipped with weighting valve and upper central pivot.
- The bogie can be equipped with different equipment according to customer requirements.

Y25Ls(s)d1-K | 2-axle bogie, 22.5 t / axle



General Parameters

Loading gauge	G1-TSI	Axle load	22,5 t / axle
Track gauge	1.435mm	Max. Speed at 22,5 t / axle	100 km/h
Brake regime	"S" or "SS"	Max. Speed at 18 t / axle	120 km/h
Brake block shoe	K or P10	Climate condition	T1
Brake block holder	Bg or Bgu	Tare weight "S" / "SS"	~ 4,4 t / ~ 4,7 t (±2%)



Technical specifications

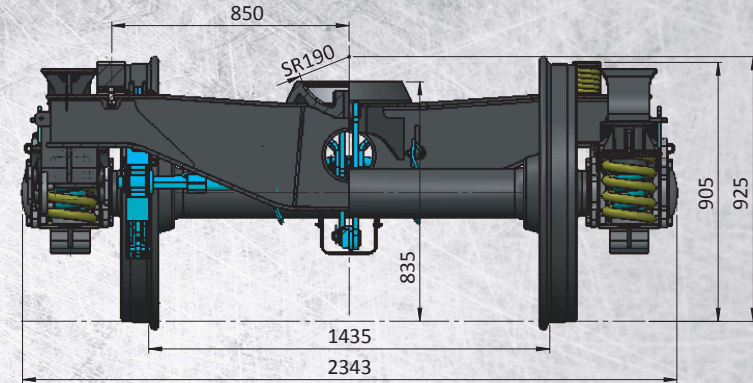
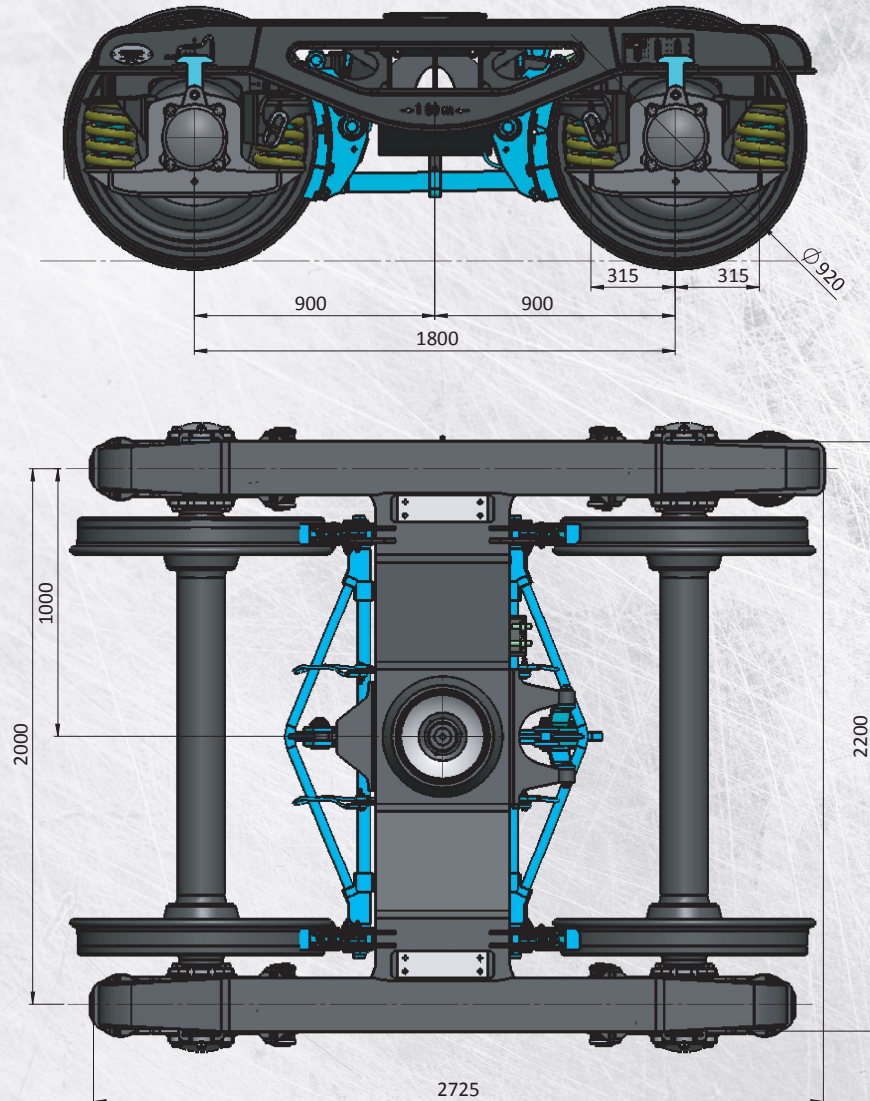
Features

- The bogie is a development from the standard Y25 series.
- The bogie frame is fabricated without front and back transverse beams.
- The bogie is TSI certified, in different variations: Y25Lsd-KP1 and Y25Lsd-KP1-V.
- The brake is simpler, asymmetric, suitable for as called “push” brake and can equip a wide range of freight wagons.
- Optimized bogie weight of 4.035 kg is designed and TSI certified.
- May be used for RIV and TEN RIV traffic operation

Capabilities

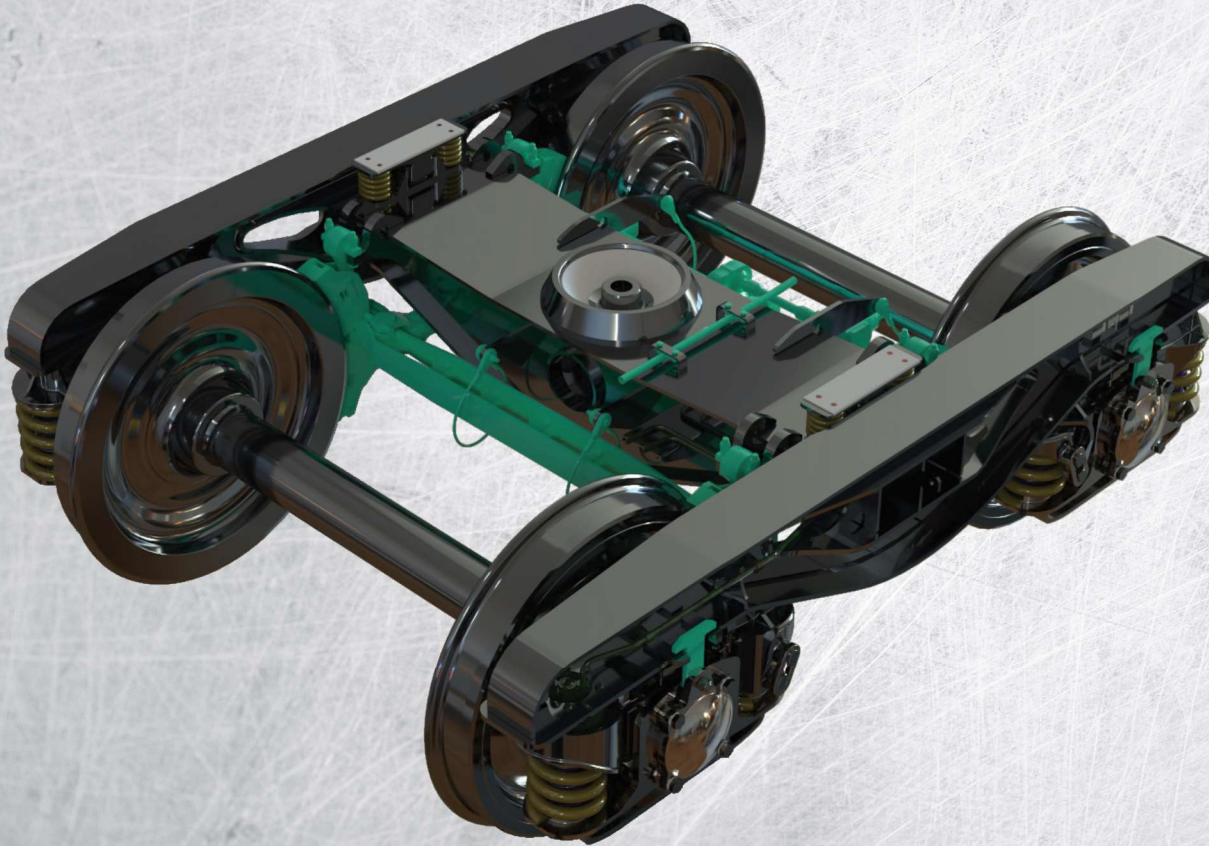
- The bogie could be equipped with weighting valve and upper central pivot.
- The bogie can be equipped with different equipment according to customer requirements.

Y25Lsd-KP1 | 2-axle bogie, 22.5 t / axle



General Parameters

Loading gauge	G1-TSI	Axle load	22,5 t / axle
Track gauge	1.435mm	Max. Speed at 22,5 t / axle	100 km/h
Brake regime	"S" or "SS"	Max. Speed at 18 t / axle	120 km/h
Brake block shoe	K	Climate condition	T1
Brake block holder	Bgu	Tare weight	~ 4.035 kg



Technical specifications

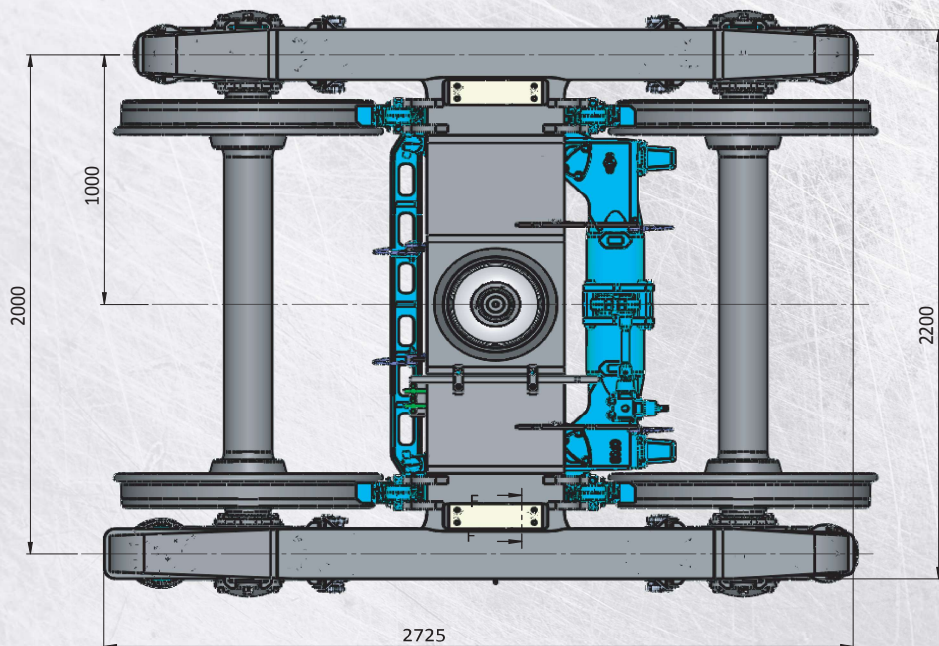
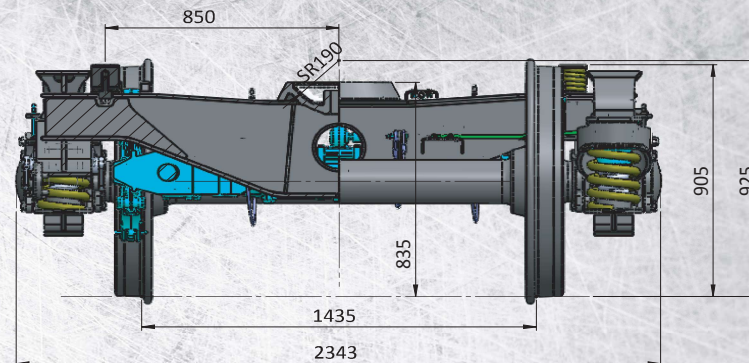
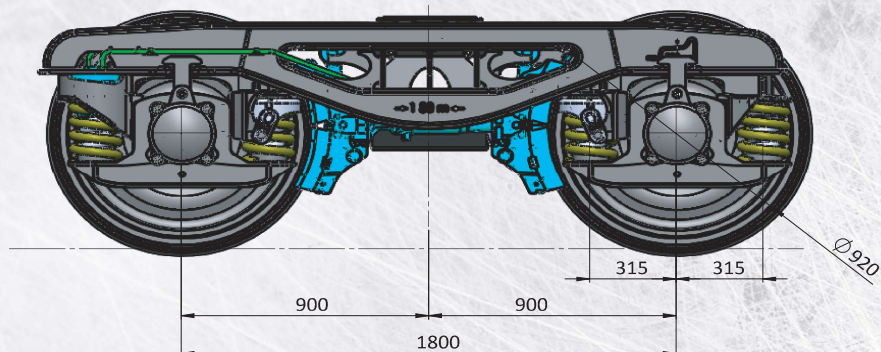
Features

- This special type of bogie with integrated brake is suitable for furnishing of various types of freight wagons where there is a problem with brake installation directly onto the wagon
- The bogie is TSI certified, in different variations: Y25Lsd-KC1 and Y25Lsd-KC1-V.
- The bogie is equipped with one Knorr CFCB or Wabtec IBB10 brake unit
- May be used for RIV and TEN RIV traffic operation

Capabilities

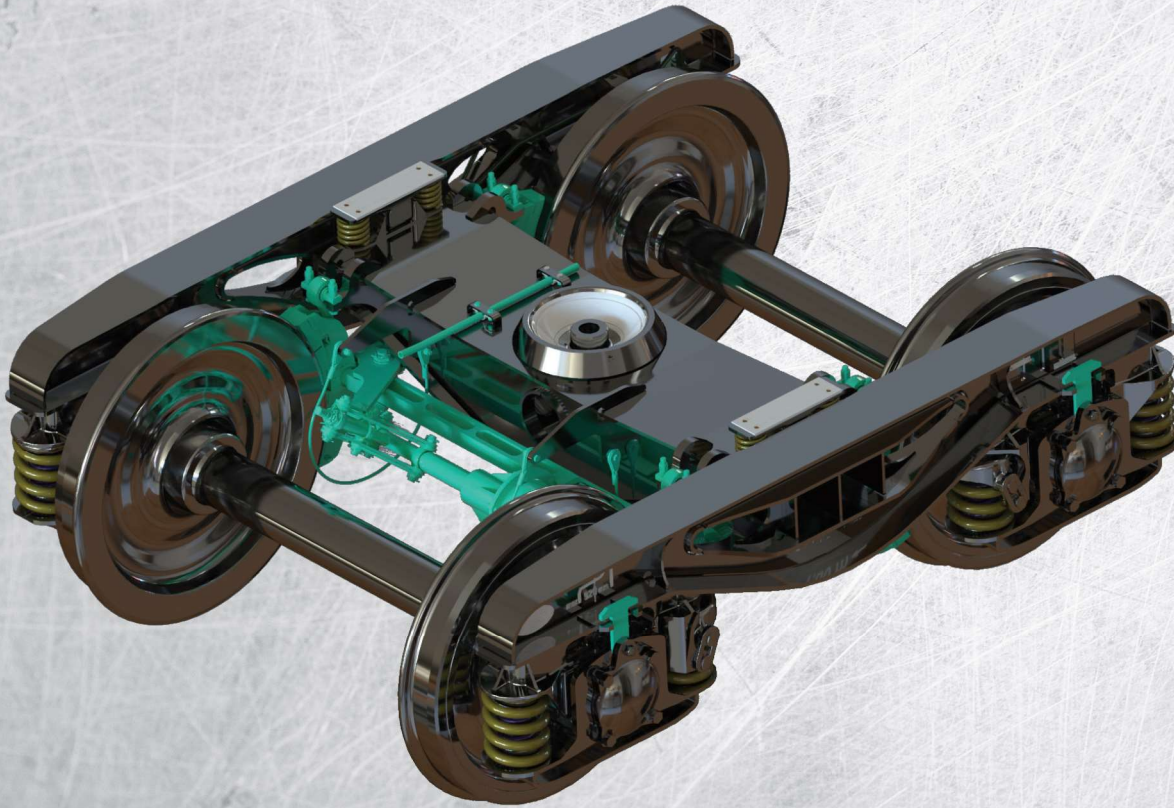
- The bogie could be equipped with weighting valve and upper central pivot.
- The bogie can be equipped with different equipment according to customer requirements.

Y25Lsd-KC1 | 2-axle bogie, 22.5 t / axle



General Parameters

Loading gauge	G1-TSI	Axle load	22,5 t / axle
Track gauge	1.435mm	Max. Speed at 22,5 t / axle	100 km/h
Brake regime	"S"	Climate condition	T1
Brake block shoe	K	Tare weight	~ 4.15 kg
Brake block holder	Bgu		



Technical specifications

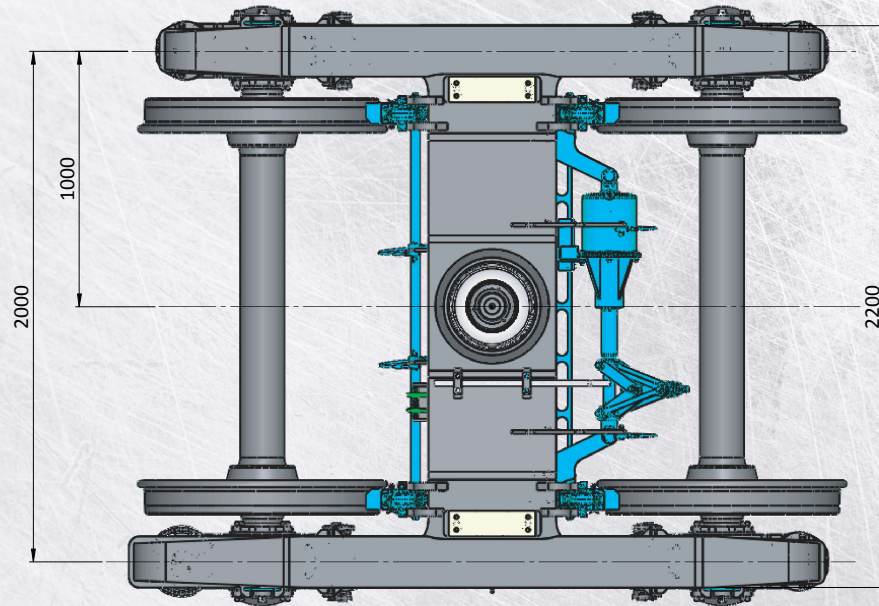
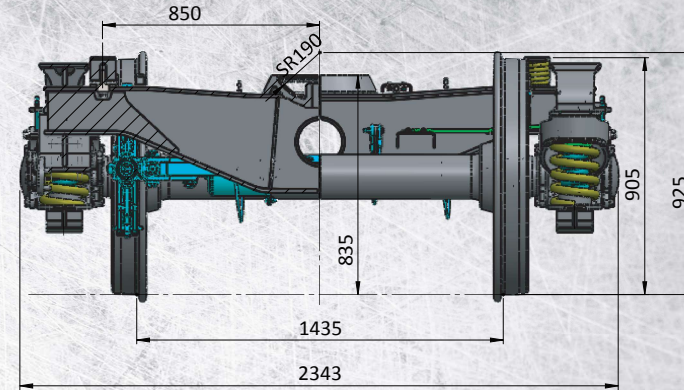
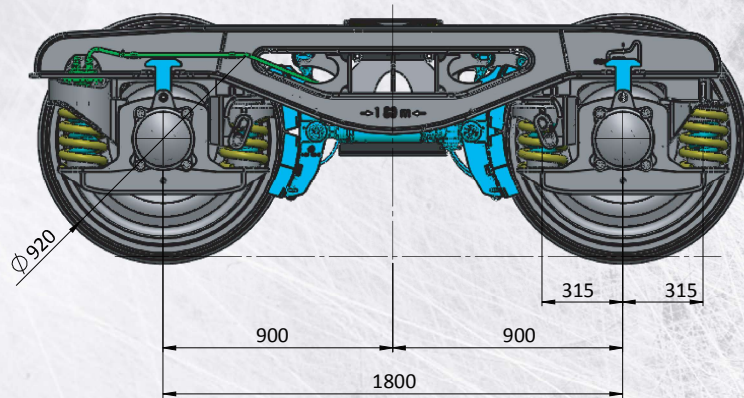
Features

- This special type of bogie with integrated brake is suitable for furnishing of various types of freight wagons where there is a problem with brake installation directly onto the wagon
- The bogie is TSI certified, in different variations: Y25Lsd-KC1-W and Y25Lsd-KC1-W-V.
- The bogie is equipped with one Wabtec IBB10 brake unit
- May be used for RIV and TEN RIV traffic operation

Capabilities

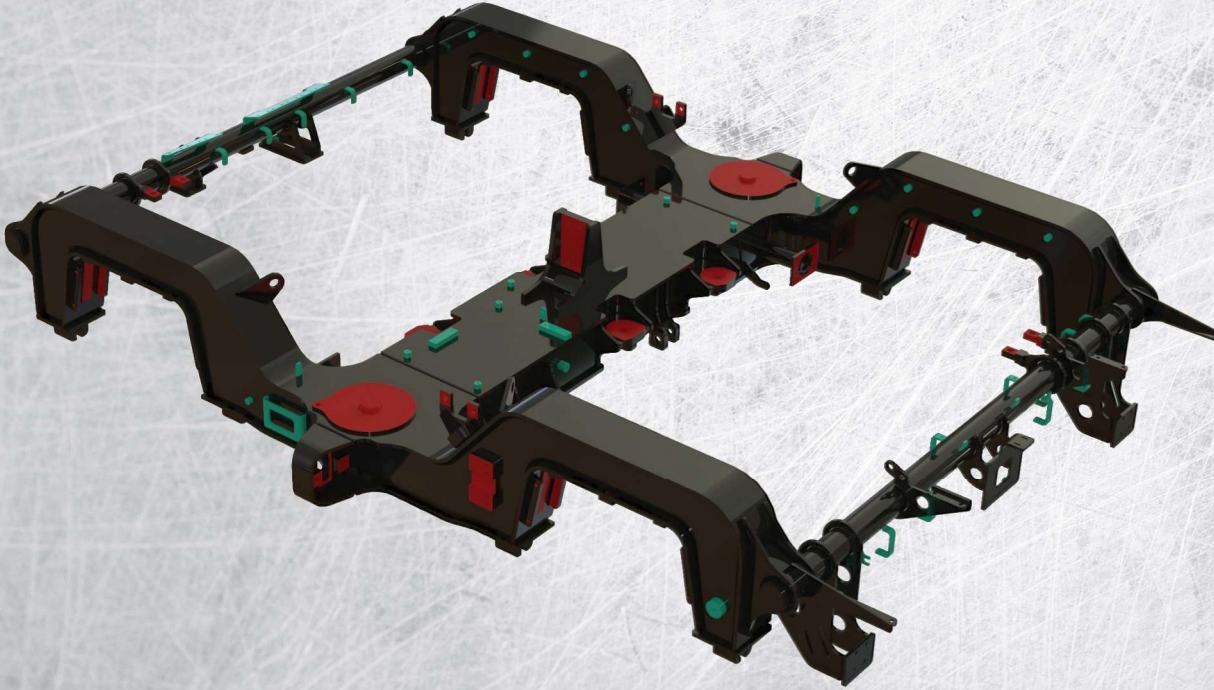
- The bogie could be equipped with weighting valve and upper central pivot.
- The bogie can be equipped with different equipment according to customer requirements.

Y25Lsd(f)-KC1-W | 2-axle bogie, 22.5 t / axle



General Parameters

Loading gauge	G1-TSI	Axle load	22,5 t / axle
Track gauge	1.435mm	Max. Speed at 22,5 t / axle	100 km/h
Brake regime	"S"	Climate condition	T1
Brake block shoe	K	Tare weight	~ 4.05 kg
Brake block holder	Bgu		

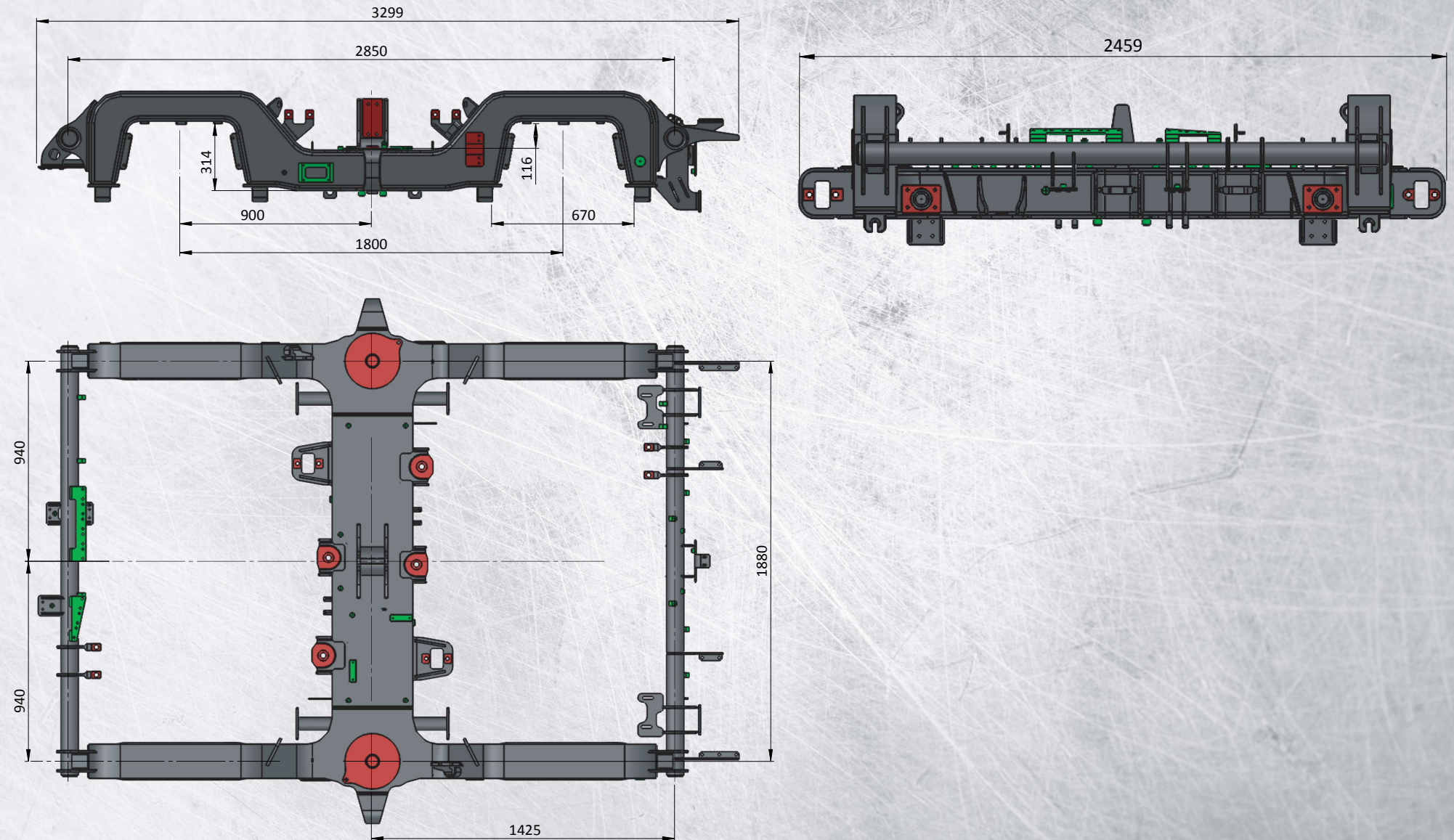


Technical specifications

Features

- The motor and trailer bogie frames and their bolster parts for the 18-unit first production of the Istanbul Tram light rail vehicle are manufactured in Raitur facilities in Kayseri. The Istanbul Tram vehicle is designed and produced by Istanbul Ulasim.

ISTANBUL LRV TRAM Bogie Frame-2



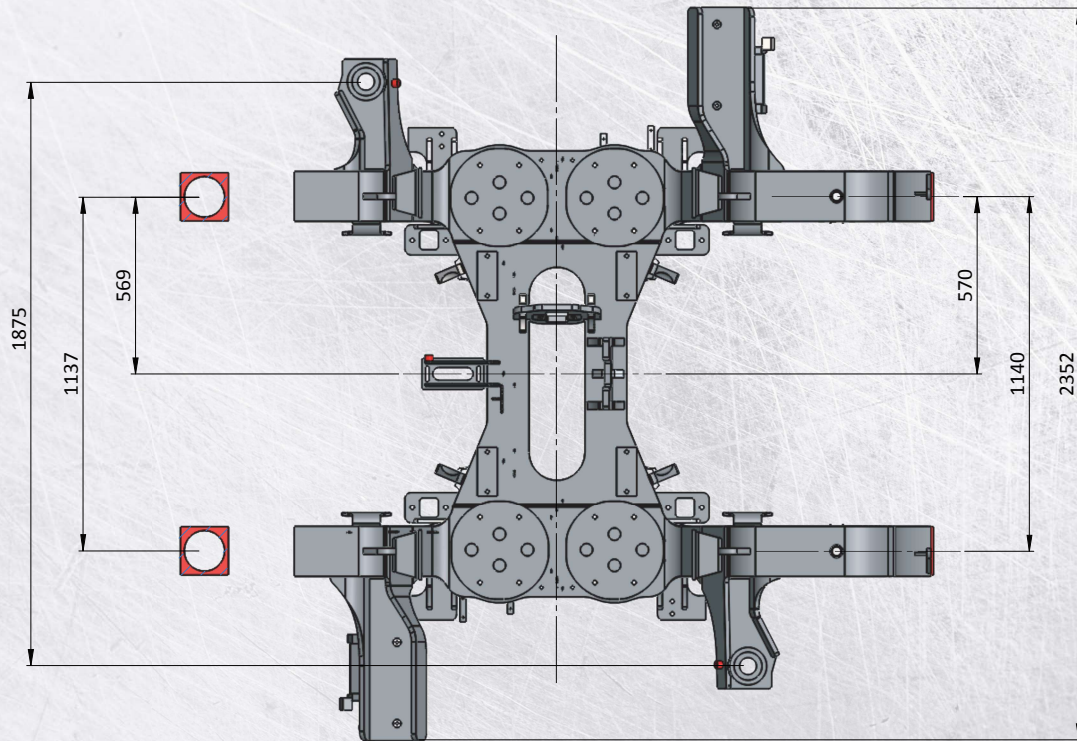
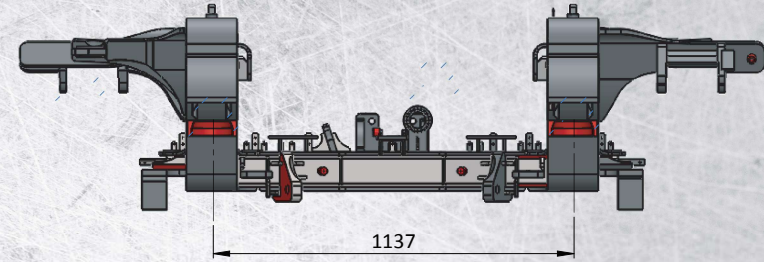
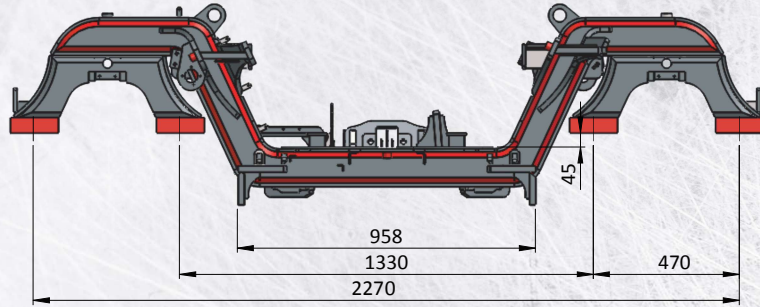


Technical specifications

Features

- The motor and trailer bogie frames for the 31-unit first production of the BOZANKAYA Tramway light rail vehicle are manufactured in Raitur facilities in Kayseri.
- The BOZANKAYA tramway vehicle for Kayseri Ulaşım A.Ş. is designed and produced by BOZANKAYA

BOZANKAYA-2 LRV TRAMWAY Bogie Frame





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