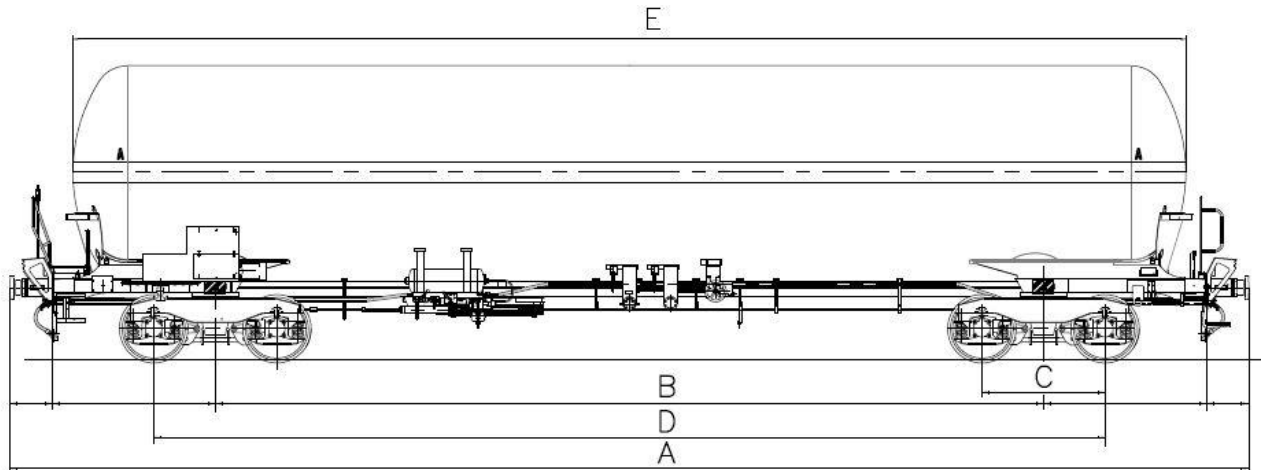


**117 m³ Pressure Gas Rail Tank Wagon, Zags, D-Load
The New Built Wagon Type – Jumbo for LPG**



A = Length over buffers:	18,000 mm	Tank capacity:	approx. 117 m ³
B = Distance between pivots:	12,000 mm	E = Length over tank bottom:	approx. 16,260 mm
C = Axle base in bogie:	1,800 mm	Tank diameter:	3,110 mm
D = Outer axle base:	13,800 mm	Thermal insulation:	without
Gross vehicle weight:	90 t	Tank material:	P460NL2
Tare weight:	ca. 32.9 t	Tank code:	P27BH
Min. track curve radius:	35 m	Calculated temperature:	- 40 / + 50°C

		A	B	C	D
Loading limits:	S	31.1	39.1	49.1	57.1
		0.00 t			

The loading limits are determined according to the measured tare weight and tank volume in litre per wagon.

The vehicle meets the RID special regulations TE 22 and TE 25.

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Technical Equipment:

Wheel sets: 25 t with a max. axle load of 22.5 t

Draw gear: draw gear with rubber coated springs

Modular safety and
crash buffer system:

Standard Equipment:

crash buffer 400 kJ, buffer plate 340 x 450

Optional Equipment if Requested:

- supra buffer type EST G2-200M,

440kJ per buffer = 880 kJ at each wagon end
(efficiency 10% over RID requirement)

- EST-override protection module type AC04

- head shield

Brake: pneumatic brake KE-GP 12", single brake blocks of
composite material (K-brake/noise reduced)

Filling and discharge device: Liquid phase:
1 bottom valve DN 80
2 side valves DN 80

Gas phase:
1 quick closing bottom valve DN 80
2 side valves DN 80 with reduction DN 50

Operation of bottom valve:
combined quick closing aggregate for liquid and gas phase
valve, hydraulic, tension cable principle

Couplings: standard equipment with blind flange

Equipment with other coupling systems like WECO or
TODO is possible upon customer request.

The rail tank car is corresponding to the current TSI regulations and registered for the
international railway traffic on the European standard gauge.

Aretz type: G117NS-D-UE-O-O-VB-AX-27