



SR2
SUPER
DUPLEX

Double your
performance

SOLUTRANS
EXPO - 2011 - 2012

**PRIX DE L'INNOVATION
TECHNIQUE DE LA
CARROSSERIE INDUSTRIELLE**



Lauréat 2011
Remorques
et semi-remorques



SEMI-TRAILER

SR2

SUPER DUPLEX

UNEQUALLED STABILITY FOR YOUR SAFETY.

The SR2 SUPERDUPLEX is a new generation refrigerated semi-trailer that can carry 66 pallets on 2 levels, minimising the risk of tipping over with its SUPERSTABLE chassis (Innovation Award, Solutrans 2011*). It pushes back the tipping speed limit by 10.5% when taking a bend.

The SuperDuplex body is available in a Green Liner version intended for long distance or heavy duty work, specially reinforced for intensive distribution. This development is designed for compatibility with installing a side door, the use of partitions and a multi-temperature unit.



Rising opening: The insulating curtain frame, with manual or electric silent opening (PIEK certificate 54 dB), facilitates distribution. Ultra-resistant, in stainless steel, fully bolted, with complete protection (sill, vertical upper and lower posts).



Heavy Duty stainless steel rear frame: Specially designed to withstand intensive distribution use, this is integrally reinforced with square braces and gussets in THLE 12mm steel, absorbing effort without it being concentrated in the corners.



Green Liner aluminium frame with 4 locks: Light and durable, its recessed double tension rods are specially positioned in order to control racking and facilitate opening. The bottom cross-piece in extra-thick aluminium incorporates a double slope and 4 integrated protection buffers.



100% recessed vertical duplex rails: The duplex system consists of 12 high performance anti-abrasion aluminium rails, aligned with a centre distance of 1208mm, without any rebound onto the side walls. The quality of insulation has been 'reinforced' without compromising the net width or handling during loading operations.



22 vertically adjustable duplex beams every 25 mm which are also removable: Each with a capacity of 1 tonne, enabling a load of 33 800x1200 mm pallets to be modulated. Intermediate rails can be installed for 800x600mm pallets.



SuperStable chassis: A completely new feature, combining the control of the centre of gravity, with H-spars in THLE steel with a reduced height of 180 mm, and an enlarged running gear which reduces sagging during cornering, to minimise the critical speed factor when cornering.



Side stabilisers: The loading weight in duplex mode is transmitted through the side faces. These are transferred towards the centre of the chassis through lateral supports incorporated in the Super Stable chassis. The balancing of the vertical forces improves the load-bearing capacity, to the benefit of stability.



Reinforced 360 mm pneumatic suspension cushions: With an additional 44% of supporting surface, the load is better compensated, the suspension sags less and offers greater resistance, reducing the shifting of the centre of gravity. A double pneumatic circuit independently feeds each side of the suspension in order to dampen rolling when taking bends.



A track width increased to 2140mm: The enlarged running gear is a completely new feature. The centre distance between the spars in the central module is increased by 100mm to 1400mm, bringing the track width to 2140mm, which is the most demanding stability standard for tankers. The Super Stable chassis increases the tipping threshold by 15%: a gain calculated in accordance with EEC regulation No. 111, appendix 4.

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* SuperStable chassis- Innovation award, 2012 SOLUTRANS (Lyon, France) on a SR2 SuperBeef base

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HD = Heavy Duty
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