

3-axle sliding tarpaulin platform semitrailer - coil - combined transport



Product benefits

- Low corrosion, high-quality aluminium body components, tested according to EN 12642 XL
- Reinforced frame construction for coil transports of 30 t at centre of gravity across minimum 1,500 mm load length
- Reinforced frame construction with 4 grip edges for crane-based rail loading
- Coil recess with useful length of approx. 7,400 mm, with 5 pairs of integrated racks, for coil diameters up to 2,100 mm
- Stacker-bearing recess cover made from 27 mm resin-coated plywood with trussing
- Perforated external frame (starting approx. 3,000 mm from front wall) with approx. 100 mm hole spacing, 40/25 mm slot according to DIN EN 12640 and 21 pairs of recessed 2.5 t
- lashing points/rings, and an additional 5 pairs of 4 t lashing points in the recess area on the external frame
- Special air suspension unit for combined transport loading
- Aramid cover over grip edges to protect tarpaulin

- Manually operated hydraulic lifting roof, 400 mm elevation for rapid loading and unloading
- Installation of axles from well-known manufacturers such as SAF or BPW
- OPTIONAL: Coil recess with useful length of approx. 8,400 mm

Product details

TYPE DESIGNATION

3-AXLE SLIDING TARPAULIN PLATFORM SEMITRAILER RH140 - COIL - COMBINED TRANSPORT

WEIGHTS

Gross train weight (perm.): 45 t

Gross weight (techn.): 39 t

Axle assembly load (techn.): 27 t

Fifth-wheel load (techn.): 12 t

Tare weight: approx. 7 t

DIMENSIONS

Internal platform length: approx. 13,620 mm

Internal platform width: approx. 2,480 mm

Total width: 2,550 mm

Load space internal height: approx. 2,675 mm

Lateral loading height below guide rail: approx. 2,585 mm

Internal width between guide rails: approx. 2,430 mm

Portal loading height: approx. 2,585 mm

Portal loading width: approx. 2,480 mm

Loading height: approx. 140 mm over fifth-wheel height

Suitable for rail profile P 400 = total height max. 4,000 mm with lowered air suspension and fifth-wheel height of 1,130 mm

FRAME

Welded steel frame construction, reinforced for point loading = coil transport (30 t at centre of gravity across min. 1,500 mm length), with 4 grip edges for crane-based rail loading

Frame for unladen fifth-wheel height of 1,130 - 1,220 mm with air-sprung STT

Replaceable 2" kingpin (EC installation dimension, width across corners: 2,040 mm)

Perforated external frame (starting approx. 3,000 mm from front wall) with approx. 100 mm hole spacing, 40/25 mm slot according to DIN EN 12640 and 21 pairs of recessed 2.5 t lashing points/rings, and an additional 5 pairs of 4 t lashing points in the recess area on the external frame

CHASSIS

Air suspension with lifting and lowering device (approx. +120/-80 mm), in splitter configuration
Automatic adjustment of driving level from 15 km/h

Air suspension unit with low-maintenance disc brake axles,
(ø 370 mm), splitter unit for use in combined transport
3 x 9 t rigid, wheelbase 1,410 + 1,310 mm (for 27 t rear axle load)

Tyres:

6 x 385/65 R 22.5 160J, manufacturer as per factory specifications
6 steel wheel rims 11.75 x 22.5, 10-hole, 120 mm rim offset, silver

SUPPORT FIXTURES

Mechan. 2 x 12 t support jacks, single-sided operation and thrust compensation, manufacturer as per factory specifications

BRAKE SYSTEM

Brake system according to EC Directive 71/320 or E CE R13

Two-line brake

EBS - electronic brake system

Wabco 2S2M = one axle sensed

RSS - stability program

Spring-loaded parking brake on 2 axles

Steel air tank

FLOOR

Resin-coated plywood floor, 27 mm, flush with external frame
(floor load capacity: 5,460 kg stacker axle load acc. to CSC)

ELECTRICAL EQUIPMENT

24 V lighting system according to EC Directive 76/756/ EWG

2 seven-chamber tail lights mounted in light carrier

LED side marker lights

2 clearance lamps

2 contour lights on underride protection

2 x 7-pin and 1 x 15-pin socket

PAINTWORK

Blasted with steel granulate, treated with zinc dust primer and spray painted with 2-component acrylic paints for commercial vehicles (standard RAL or truck colour)

Plastic and hot-dip galvanised parts unpainted,
powder-coated attachments/installation parts black

Reflective contour marking strips across entire length of sides and all-round contour marking at rear (white on sides and red at rear by default), according to ECE 48

ACCESSORIES

Rear markings as per ECE standards (horizontal on rear doors/rear wall)

Assembly of provided codification plates

ATTACHMENTS

Rear crash guard with portal post protection and lower post reinforcement

Wheel chock(s) as per regulations

1 x retractable step unit at rear right

Single wheel plastic mudguards with spray protection as per regulations

Aluminium tarpaulin mounting strips bolted on both sides of external frame

Tubular underride protection, backward-folding (for rail loading)

Side impact protection made from aluminium profiles as per regulations, coated black, foldable and height-adjustable (for rail loading)

1 spare wheel bracket for 1 spare wheel

1 plastic toolbox, lockable, unpainted

1 document box on front wall

SIDE WALLS/SLIDING TARPAULIN

Fixed aluminium hollow profile front wall, 2,400 mm, with 2 centre supports, 2 lashing rings inside for load securing

Closed with tarpaulin over front wall, in same colour as side tarpaulin

Front wall reinforced inside with galvanised steel plate, approx. 650 mm high

Plastic sliding tarpaulins on both sides with load certification according to Code XL; welded horizontal and vertical strap reinforcements incl. turnbuckles as well as front and rear bolt locks, openable on all 4 corners, with ratchet tensioner at rear

tarpaulin sealed against external frame,

tarpaulin manufacturer as per factory specifications, tarpaulin colour according to availability

Aramid tarpaulin protection (yellow) applied over grip edges

Aramid-reinforced plastic roof tarpaulin, flame retardant according to "DIN 4102 ÖNORM B1" as per national rail standards, translucent

Bolted portal at rear with aluminium corner posts, upper crossbeam with forward-sliding cover, incl. fully opening double door in profile design covering entire load space height, each leaf equipped

with 2 internal espagnolettes

COIL RECESS

Useful length: approx. 7,400 mm - standard version according to VDI 2700 for coil diameters of 900 to max. 2,100 mm,
with stacker-bearing cover made from 27 mm resin-coated plywood with trussing
5 pairs of racks = 1 x at front, 1 x approx. 1,840 mm (before centre of gravity), 1 x 2,520 mm, 1 x 3,680 mm, 1 x 5,330 mm,
incl. 2 pairs of tubular safety supports, 90 x 90 x 4 mm, useful height: approx. 1,700 mm
Inclinations on both sides made from 24 mm resin-coated plywood

POSTS/COVER

2 fixed aluminium corner posts at front, bolted, protruding from sides
3 centre posts on left in direction of travel, movable across entire length
3 centre posts on right in direction of travel, movable across entire length
4 rows of slat pockets, 1st pocket row at bottom 460 mm, spacing approx. 160/450/450 mm, with 4 rows of aluminium pointed slats 100/25 mm

Versus sliding cover frame with plastic brackets, reinforced cross bows (as per national rail standards), forward-sliding with automatic elevation, limited backward movement (opened from above) = pushed together in loading area, with vertical and horizontal guide rollers = smooth operation

Aluminium guide rail profile on both sides for sliding tarpaulins and posts, design height 140 mm
Control rod for sliding tarpaulin (bracket on interior side protection)

Product impressions



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Reinforced frame construction for coil transports of 30 t at centre of gravity across minimum of 1,500 mm load length



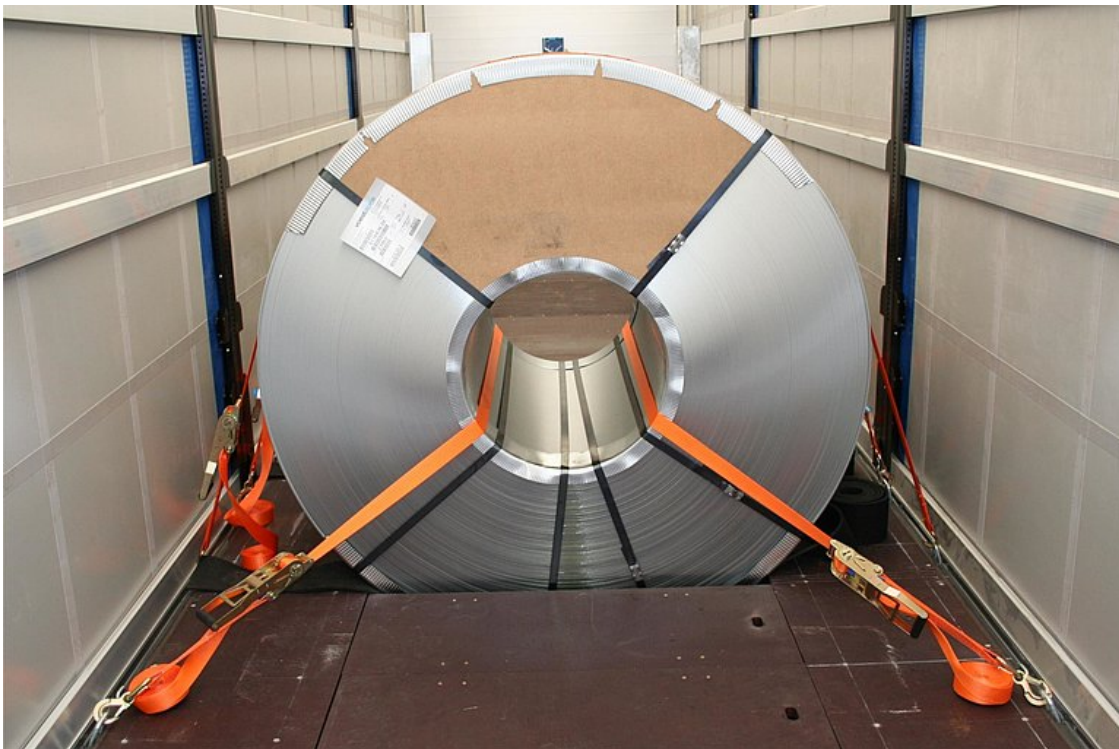
Reinforced frame construction with 4 grip edges for crane-based rail loading



Loading example at the railway terminal



Coil recess with useful length of approx. 7,400 mm, with 5 pairs of integrated racks, for coil diameters up to 2,100 mm



Loading example - coil transport



Stacker-bearing recess cover made from 27 mm resin-coated plywood with trussing



Perforated external frame (starting approx. 3,000 mm from front wall) with approx. 100 mm hole spacing, 40/25 mm slot according to DIN EN 12640 and 21 pairs of recessed 2.5 t lashing points/rings, and an additional 5 pairs of 4 t lashing points in the recess area on the external frame

