

3-axle large-scale sliding tarpaulin platform semitrailer - combined transport



Product benefits

- Low corrosion, high-quality aluminium body components, tested according to EN 12642 XL
- Low frame structure height of 80 mm for Lowliner tractors and up to 3,000 mm internal height
- Reinforced frame construction with 4 grip edges for crane-based rail loading
- Installation of axles from well-known manufacturers such as SAF or BPW
- Double floor consisting of subfloor with integrated steel omega profiles beneath resin-coated wear floor (stacker axle load: 7 t)
- Aluminium tarpaulin mounting strips on both sides of external frame
- Suitable for mega-wagons type T5, T3000 and AAE-Twin
- Aramid cover over grip edges to protect tarpaulin
- Special air suspension unit for combined transport loading
- Manually operated hydraulic lifting roof, 400 mm elevation for rapid loading and unloading
- Perforated external frame with approx. 100 mm hole spacing, 40/25 mm slot according to DIN EN 12640 and 23 pairs of recessed 2.5 t

Product details

TYPE DESIGNATION

3-AXLE LARGE-SCALE SLIDING TARPAULIN PLATFORM
SEMITRAILER RH80 - 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. 7.2 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. 2,925 mm
Lateral loading height below guide rail: approx. 2,770 mm
Internal width between guide rails: approx. 2,490 mm
Portal loading height: approx. 2,740 mm
Portal loading width: approx. 2,480 mm

Internal/total height adjustable by 60 mm = 2nd load space height
Load space internal height: approx. 2,985 mm
Lateral loading height below guide rail: approx. 2,830 mm
Portal loading height: approx. 2,820 mm
Loading height: approx. 80 mm over fifth-wheel height

Suitable for mega-wagons type T 5, T 3000 and AAE-Twin for rail profile
P 400 = total height max. 4,000 mm with lowered air suspension and
trestle height 880 mm = horizontal position of semitrailer

FRAME

Welded steel frame construction in special low design, reinforced with
4 grip edges for crane-based rail loading
Frame for unladen fifth-wheel height of 960 - 1,000 mm with air-sprung STT

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

Perforated external frame with approx. 100 mm hole spacing, 40/25 mm slot according to DIN EN 12640 and 23 pairs of recessed 2.5 t lashing points

CHASSIS

Air suspension with lifting and lowering device, approx. 200 mm (approx. +120/-60 mm)
Automatic adjustment of driving level from 15 km/h

air suspension unit with low-maintenance 370 mm disc brake axles, with split piston 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 435/50 R 19.5 160J, Goodyear Fuelmax T

6 steel wheel rims 14.00 x 19.5, 10-hole, with 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 ECE 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

Up to approx. 4,100 mm length at front made from 30 mm resin-coated plywood, followed by 30 mm spruce planks to frame end

Galvanised steel omega profiles in subfloor

Secondary floor made from resin-coated birch plywood, 9 mm, flush with external frame

SIDE WALLS/SLIDING TARPAULIN

Fixed aluminium hollow profile front wall, 2,550 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. lower fastening straps with flat hooks and
stainless steel
DB 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

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, for lifting roof incl.
Expander lifting aid
3 centre posts on right in direction of travel, movable across entire length, for lifting roof incl.
Expander lifting aid
3 additional post pockets on both sides
4 rows of slat pockets, 1st pocket row at bottom 460 mm, spacing
approx. 160/600/600 mm, with 4 rows of aluminium pointed slats 100/25 mm

Manually operated hydraulic lifting roof, 400 mm elevation, with lever operation on corner posts,
for loading and unloading (portal doors must be opened)

Versus sliding cover with plastic brackets, reinforced cross bows (as per national rail standards),
forward-sliding with automatic elevation = pushed together in loading area, with vertical and
horizontal guide rollers = smooth operation
Aluminium pallet guide rail profile on both sides for sliding tarpaulins and posts, design height 195
mm
Control rod for sliding tarpaulin (bracket on interior side protection)

ELECTRICAL EQUIPMENT

24 V lighting system according to EC Directive 76/756/EWG
2 seven-chamber tail lights in underride protection
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
Aluminium underride protection, coated white
Side impact protection made from aluminium profiles as per regulations, coated black
1 spare wheel bracket for 1 spare wheel, mounted with winch behind support jacks
1 plastic toolbox, lockable, unpainted
1 document box on front wall

Product impressions



Low corrosion, high-quality aluminium body components, tested according to EN 12642 XL



Low frame design height of 80 mm for up to 3,000 mm internal height



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



Loading example at the railway terminal



Reinforced aluminium hollow profile front wall with integrated equipment bracket



Portal bolted onto the rear with aluminium corner posts incl. fully opening double door in profile design



Double floor consisting of subfloor with integrated steel omega profiles beneath resin-coated wear floor (stacker axle load: 7 t)



Perforated external frame with approx. 100 mm hole spacing, 40/25 mm slot according to DIN EN 12640 and 23 pairs of recessed 2.5 t

