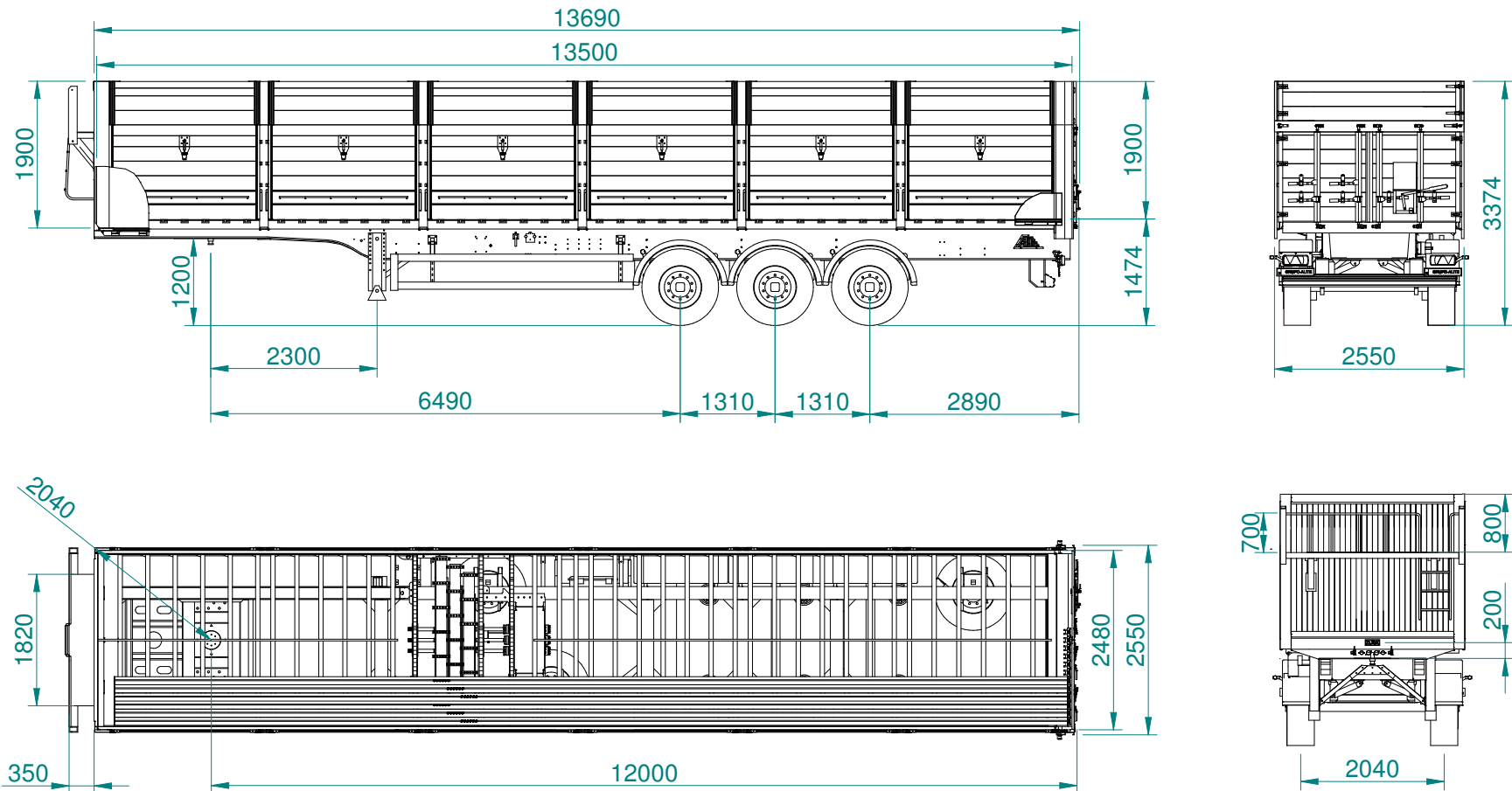


# FULL DATA SHEET

## OPEN2 - OPEN CLEAR



Characteristic	Value	Observations
Useful volume with 1,300 + 600 mm side	63,6 m <sup>3</sup>	Useful volume. Interior dimensions: 13.500 x 2.480 mm (long x width), 1.300 mm drop side and 600 mm flaps.
Empty weight (kg)	7.100	Vehicle weight. See equipment on next page.
TPMM (kg)	39.000	Vehicle total. (Technically Permissible Maximum Mass).
TPMM pivot (kg)	12.000	Standard pivot 2", class H50-X.
TPMM axles 1-2-3 (kg)	9.000	Tires 385/65 R22,5, rim offset. Optional 385/55 R22,5.
European Homologation TIPO	S3NB	e9*2007/46*0557*01.

## OPEN2-1 CHASSIS SEMITRAILER ALITE (TPMM 39.000 kg)

**OPEN2-1.1** Aluminium chassis with 450 mm frames in double T in AL6005 T6 extrusion in one piece. Neck of 150 mm.

**OPEN2-1.2** Fifth wheel locking design for a 1150 mm height from the floor. Range of run: 1.150 a 1.200 mm. Technically Permissible Maximum Mass: TPMM = 12.000 kg. Bolt-on fifth wheel plate in 8 mm thick S355 JR steel. Internal reinforcement plate welded to both chassis beams in the neck area of 150x15 mm in AL6082 T6. 8 mm thick coupling pivot bridge crosspieces in AL5754 H111 folded sheet metal.

**OPEN2-1.3** Three (3) axles BPW ECOPLUS III with disc brake. Technically Permissible Maximum Mass: TPMM 1°-2°-3° = 9.000 kg per axle.

- Distance King Pin - 1st axis: 6.490 mm
- Distance 1st - 2nd axle: 1.310 mm
- Distance 2nd - 3rd axle: 1.310 mm
- Rear overhang: 2.890 mm

### OPTIONS

OP OPEN2-1.3\_01 Change 3rd axle fixed for self-directional BPW ECOPLUS III. 1st and 2nd AIRCOMPACT EABO L6 (FH 340-380 mm) + 3rd AIRLIGHT II ALMLL L6 (FH 350-390 mm). (+189,5 kg)

OP OPEN2-1.3\_01.01 Add BPW ARC (Active Reverse Control) in self-directional axle. (+45,0 kg)

OP OPEN2-1.3\_01.01.1 Add radio control for BPW ARC (Active Reverse Control).

OP OPEN2-1.3\_02 Add BPW AIRSAVE self-pumping system mounted in three (3) ECOPLUS axles 9-12 tn. (+3,45 kg)

**OPEN2-1.4** BPW ECO AIRCOMPACT integral pneumatic suspension (EABO L6 FH 340-380 mm).

**OPEN2-1.5** Third axle elevator with automatic control. Up and down control by the EBS ECU.

### OPTIONS

OP OPEN2-1.5\_01 Add automatic liftable axes 1st. (+23,3 kg)

**OPEN2-1.6** Six (6) CHT3 CONTINENTAL tyres, dimensions 385/65 R22,5"

### OPTIONS

OP OPEN2-1.6\_01 Change tire CONTINENTAL CHT3 385/65 R22,5 to 6 MICHELIN X MULTI T 385/65 R22,5

OP OPEN2-1.6\_02 Change tire CONTINENTAL CHT3 385/65 R22,5 to 6 CONTINENTAL CHT3 385/55 R22,5

OP OPEN2-1.6\_03 Change tire CONTINENTAL CHT3 385/65 R22,5 to 6 MICHELIN X MULTI T 385/55 R22,5

**OPEN2-1.7** Six (6) painted steel rims offset by pumping B=120 mm.

### OPTIONS

OP OPEN2-1.7\_01 Change to 6 ALCOA DURABRIGHT rims B=120 mm. (-68,0 kg)

OP OPEN2-1.7\_02 Change to 6 SPEED LINE DIAMANTE rims B=120 mm. (-65,0 kg)

**OPEN2-1.8** One (1) screw-type spare wheel support without wheel.

**OPTIONS**

OP OPEN2-1.8\_01 Add one (1) wheel support.

**OPEN2-1.9** HALDEX GEN3 + EBS 4S/2M pneumatic brake system with mechanical suspension:

- InfoCentre 2 panel to control suspension and brake parameters. Scale function among others.
- COLAS leveling valve:
  - o Dead man function, RoRo function (Roll-on, Roll-off).
  - o RTR function for automatic repositioning of ride height when starting the vehicle movement.
- TrCM (Trailer Control Module) parking valve.
- Six (6) brake pad wear sensors.
- Overflow valve for suspension circuit.
- Coupling heads with filter and pressure tap according to ISO 1728.
- ISO 7638 connector. Power supply by additional stoplight.

**OPTIONS**

OP OPEN2-1.9\_01 Change HALDEX 4S/2M GEN3+ to the WABCO 4S/2M with electronic suspension:

- ECU EBS WABCO Premium.
- Lever for manual regulation of electronic suspension eTASC with solenoid valve for automatic regulation of the height of the suspension in running condition.
- Three (3) programmable suspension heights. OPTILEVEL.
- SmartBoard control panel for suspension parameters.
- Two (2) LACV lift axle controls.
- Brake pad wear sensor on all wheels.
- Coupling heads with filter and pressure tap according to ISO 1728.
- ISO 7638 connector. Power supply by additional stoplight.

OP OPEN2-1.9\_02 Change HALDEX 4S/3M GEN3+ to the WABCO 4S/2M with electronic suspension + OPTITURN / OPTILOAD (3rd modulator)

- ECU EBS WABCO Premium.
- Lever for manual regulation of electronic suspension eTASC with solenoid valve for automatic regulation of the height of the suspension in running condition.
- Three (3) programmable suspension heights. OPTILEVEL.
- SmartBoard control panel for suspension parameters.
- Two (2) LACV + LAVic lift axle controls.
- 3rd modulator with pneumatic bellows pressure sensor for activate the OPTILOAD or OPTITURN function.
- Brake pad wear sensor on all wheels.
- Coupling heads with filter and pressure tap according to ISO 1728.
- ISO 7638 connector. Power supply by additional stoplight.

<b>OPEN2-1.10</b>	Three (3) 60 L aluminium tanks, diameter d396 x 592 mm with supports. Two (2) brake tanks + one (1) suspension tank.
<b>OPEN2-1.11</b>	Two (2) BPW 2 speed mechanical type painted steel support feet.
	OPTIONS
	OP OPEN2-1.11_01 Change steel legs to manual aluminium support legs 650-700 BALTECH / ALU-LEG / PLASTECNIC.
<b>OPEN2-1.12</b>	Fixed anti-underrun device (bumper) in anodized aluminium ALA-ALU according to Regulation 58.
	OPTIONS
	OP OPEN2-1.12_01 Change anti-embedment WING-ALU for WING-E (extendable manual).
	OP OPEN2-1.12_02 Change anti-embedment WING-ALU for WING-R (automatic folding).
<b>OPEN2-1.13</b>	Six (6) integral mudguards in polypropylene with anti-splash system valances according to Regulation 109.
<b>OPEN2-1.14</b>	Drop side lateral under-run protections with anodised aluminium bars.
<b>OPEN2-1.15</b>	One (1) 1.000 mm tools drawer in PVC. One (1) water tank with soap dispenser in PVC. Two (2) empty drawers of fire extinguishers in PVC, on configuration A1, A2.
	OPTIONS
	OP OPEN2-1.15_01 Add plastic toolbox 1.000 mm with brackets (C=450).
	OP OPEN2-1.15_02 Add one (1) drawer in chassis with folding aluminium doors. Dimensions: 2,300 x 1,130 x 380 mm
<b>POSSIBLE MOUNTING CONFIGURATIONS:</b>	
<b>A1 FOR DRIVING ON THE RIGHT / A2 FOR DRIVING ON THE LEFT:</b>	
<b>A1 Right driving vehicle WITHOUT hydraulic accessories</b>	
<b>LEFT SIDE IN RUNNING ORDER:</b> <ul style="list-style-type: none"> <li>o Water tank.</li> <li>o Suspension lever.</li> <li>o Brake control.</li> <li>o Moving floor control panel.</li> <li>o One (1) extinguisher drawer in horizontal position mounted in the central part and integrated in the cyclist.</li> </ul>	<b>RIGHT SIDE IN RUNNING ORDER:</b> <ul style="list-style-type: none"> <li>o Lever for operating the legs.</li> <li>o Spare wheel holder.</li> <li>o One (1) tool drawer in the central rear part integrated in the cyclist life-saving.</li> <li>o One (1) rear mounted horizontal extinguisher drawer.</li> <li>o Ladder with 12-14 aluminium rungs with support for cyclists.</li> <li>o Pole for tarpaulin at the back.</li> </ul>
<b>NOTES:</b> <ol style="list-style-type: none"> <li>1.When a 2nd tool drawer is mounted, it will be mounted at the rear on the left side on the overhang.</li> <li>2.When a 2nd spare wheel carrier is mounted, it will be mounted on the rear right side of the overhang.</li> </ol>	

**OPEN2-1.15****A2 Left driving vehicle WITHOUT hydraulic accessories****LEFT SIDE IN RUNNING ORDER:**

- o Lever for operating the legs.
- o Spare wheel holder.
- o One (1) tool drawer in the central rear part integrated in the cyclist life-saving.
- o One (1) rear mounted horizontal extinguisher drawer.
- o Ladder with 12-14 aluminium rungs with support for cyclists.
- o Pole for tarpaulin at the back.

**RIGHT SIDE IN RUNNING ORDER:**

- o Water tank.
- o Suspension lever.
- o Brake control.
- o Moving floor control panel.
- o One (1) extinguisher drawer in horizontal position mounted in the central part and integrated in the cyclist.

**NOTES:**

1. When a 2nd tool drawer is mounted, it will be mounted at the rear on the right side on the overhang.
2. When a 2nd spare wheel carrier is mounted, it will be mounted on the rear left side of the overhang.

**OPEN2-1.16** Lightening mechanism and light signals according to the Regulation 48 with Aspöck Ecoled II rear lights Led markers. Folding protections for the lights in aluminium integrated in the rear of the vehicle.

**OPTIONS**

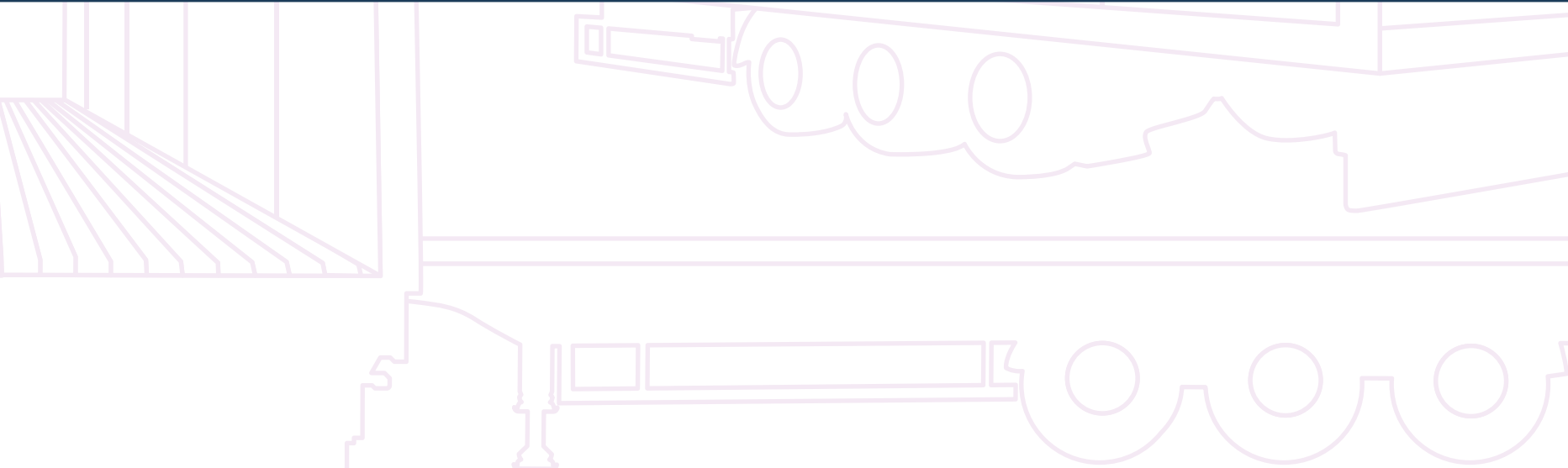
OP OPEN2-1.16\_01 Add two (2) working rear light led reverse gear + selector.

OP OPEN2-1.16\_02 Add two (2) led work headlights in central part on each side under the front safety support + reverse selector.

**OPEN2-1.17** Chassis finished in non-anodised raw aluminium.

**OPTIONS**

OP OPEN2-1.17\_01 Imp. epoxy finish + acrylic water pain RAL.



## OPEN2-2 FULL ALUMINIUM BODY TYPE OPEN SIDE BOX 1.300 mm + SUPPLEMENT 600 mm

<b>OPEN2-2.1</b>	Construction of an integral open aluminium box with folding sides of platform dimensions: 13.530 x 2.480 mm. Useful interior length: 13.500 mm.
	<p>OPTIONS</p> <p>OP OPEN2-2.1_01    Body length reduction by linear meter. (-135 kg/m). Range 10.000 - 13.650 mm.</p>
<b>OPEN2-2.2</b>	Twenty-one (21) aluminium planks (112 mm) ALITE HEAVY DUTY hydraulic moving floor system in aluminium AL6082 T6 (standard 6 mm + 1,5 mm planks). Mounting of 735 sliders per unit on aluminium tube 25,4 x 25,4 x 2 mm.
	<p>OPTIONS</p> <p>OP OPEN2-2.2_01    Change nylon plate at the back underneath the floor for 4 mm stainless steel plate. (+23,5 kg).</p>
<b>OPEN2-2.3</b>	Tubular-type lower belt profile 140 x 45 mm ALITE profile with lower flange for mooring belts. AL6082 T6 alloy.
	<p>OPTIONS</p> <p>OP OPEN2-2.3_01    Add twelve (12) equidistant rings inserted in every lateral. Total 24 units. Rings according to EN12640, 3000 daN.</p>
<b>OPEN2-2.4</b>	1.900 mm high aluminium front in 30 mm aluminium table and folded sheet metal corners. Corner chamfers 60 x 80 mm (length x width). The front panel is welded to the front profile and the strips. Walkway at 800 mm from the handrail and maximum dimensions according to regulations. Access staircase on the left side. Handrail of the footbridge 700 mm high.
<b>OPEN2-2.5</b>	Rear doors with 2 leaves of 1,200 mm in anodised aluminium of book type with external mounting, upper upright in steel tube S275 JR of 100x40x2 mm with swivel and folding mounting. Three (3) galvanised steel hinges per door, with double galvanised bolt of the container type and with aluminium protector. Right-hand door leaf in running order with complete espagnolette bolts. Left-hand door leaf with double split espagnolette for independent opening of the top post. 600 mm extension with two (2) hinges on the left rear post and two (2) bolts on the right rear post; fitting of an inverted spring bolt for opening the extension with the post.
	<p>OPTIONS</p> <p>OP OPEN2-2.5_01    Add stainless manual hatch. right door.</p>
	<p>OP OPEN2-2.5_02    Add stainless manual hatch. left door.</p>
	<p>OP OPEN2-2.5_03    Changeover to two (2) leaf rear doors with a total height of 1800 mm + top upright in steel tube S275 JR 100x40x2 mm with swivel and hinged mounting. Continuous rear pillars in one piece.</p>



<b>OPEN2-2.6</b>	Ten (10) anodised aluminium Kinnegrip central columns with three (3) closing claws and one piece of 1.300 mm in height, with 600 mm removable supplements.				
<b>OPEN2-2.7</b>	Two (2) rear columns, 1,300 mm high, in 3 mm stainless steel plate AISI 304b, double omega construction, 250 x 35 mm for 140 mm strip with 600 mm removable supplements. Aluminium boxes welded to the strip and additional fixing screws to reinforce the pins.				
<b>OPEN2-2.8</b>	<p>Twelve (12) sides in anodised aluminium board, 1.300 mm high. Construction with 7 boards: 1st hinge 200 mm, 2nd central 200 mm, 3rd TIR type 200 mm, 4th and 5th central 200 mm, 6th central 150 mm and 7th end 150 mm. Total 1.300 mm.</p> <ul style="list-style-type: none"> <li>- Two (2) aluminium locks per side with three (3) nails with stainless steel mechanism and plastic key.</li> <li>- Seven (7) TIR-7 hinges with screwed galvanised steel male and welded aluminium base.</li> <li>- TIR board with rod with six (6) welded stainless steel riveted pins.</li> <li>- Zinc-plated interior hinge system and exterior livestock lock on the left side in order of operation for steel cables between pairs of opposite sides. Mounted on 6th table.</li> <li>- Six (6) coated steel cables 6x8 mm with turnbuckle at one end and plate for livestock closing at the other.</li> <li>- Six (6) 150 mm rubber stops screwed onto the belt to protect the hinges and sides from shocks.</li> </ul> <p>OPTIONS</p> <table border="1" data-bbox="280 742 2172 869"> <tr> <td>OP OPEN2-2.8_01</td> <td>Añadir refuerzo interior en chapa galvanizada de 1,2 mm en la parte inferior de los laterales. Altura 400 mm.</td> </tr> <tr> <td>OP OPEN2-2.8_02</td> <td>Añadir refuerzo interior en chapa galvanizada de 1,2 mm en la parte inferior de los laterales. Altura 1.000 mm.</td> </tr> </table>	OP OPEN2-2.8_01	Añadir refuerzo interior en chapa galvanizada de 1,2 mm en la parte inferior de los laterales. Altura 400 mm.	OP OPEN2-2.8_02	Añadir refuerzo interior en chapa galvanizada de 1,2 mm en la parte inferior de los laterales. Altura 1.000 mm.
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OP OPEN2-2.8_02	Añadir refuerzo interior en chapa galvanizada de 1,2 mm en la parte inferior de los laterales. Altura 1.000 mm.				
<b>OPEN2-2.9</b>	Twelve (12) supplements in anodised aluminium table 600 mm high. Construction with 3 tables of 200 mm. Hanging type removable assembly with interior side overlap. Aluminium drawer in the central right hand side to transport the dismantled supplements and the arches.				
<b>OPEN2-2.10</b>	<p>Seven (7) removable arches in 1" galvanized steel round tube with solid iron round pin welded on. Mounted on aluminium bushes welded to the tricycle. Standard version.</p> <ul style="list-style-type: none"> <li>▪ First (1st): straight without point next to the front.</li> <li>▪ Second (2nd), third (3rd), fourth (4th), fifth (5th) and sixth (6th): with double point at the centre of 100 mm high with a flat part of 500 mm in each pillar.</li> <li>▪ Seventh (7th): straight without a point, next to the rear pillar.</li> </ul> <p>Four (4) inclined bars to be mounted between the front and the first pillar and between the rear pillar and the penultimate pillar when the hatches are not mounted. Support for the bars at the rear left.</p> <p>OPTIONS</p> <table border="1" data-bbox="280 1380 2172 1508"> <tr> <td>OP OPEN2-2.10_01</td> <td>Remove system of seven (7) removable arches. (-48,0 kg)</td> </tr> <tr> <td>OP OPEN2-2.10_02</td> <td>Mount support for arches on the chassis. (+32,0 kg)</td> </tr> </table>	OP OPEN2-2.10_01	Remove system of seven (7) removable arches. (-48,0 kg)	OP OPEN2-2.10_02	Mount support for arches on the chassis. (+32,0 kg)
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OP OPEN2-2.10_02	Mount support for arches on the chassis. (+32,0 kg)				

**OPEN2-2.11** 680 g/m<sup>2</sup> canvas roof, hanging type with steel cables with tensioning ratchets. Balcony horn system with two (2) "L" brackets, one on each side, to place the cables for the hanging tarpaulin; two (2) removable plates on the rear pillars of 70x15 mm in S355 JR with double stainless steel box at 400 mm between them. Tarpaulin hung with cables stretched 800 mm above the 1.300 mm pillars + a 400 mm telescopic supplement for the supplements. Two (2) tensioning winches screwed on the front for the steel cables.

**OPCIONES**

OP OPEN2-2.11\_01 Hanging type tarpaulin, balcony system with telescopic horns and rear plates with boxes. Mount standard balcony. Vehicle without canvas roof.

OP OPEN2-2.11\_02 Add canvas colour RAL.

COLOUR	RAL	RAL	RAL	RAL	RAL	RAL	OTHER
BLUE	5012	5015	5010	5002	5003	5013	EUROPA 941
YELLOW	1013	1015	1014	1018	1021	1003	
GREEN	6005	6028	6026	6018			
GRAY	7035	7038	7037				
ORANGE	2008	2004					
RED	3020	3002					
WHITE	9010	9016					
BROWN	8017						
ALUMINUM	9006						
BLACK	9005						

**OPEN2-2.12** 900 g/m<sup>2</sup> loose sweeping canvas with telescopic bar.

**OPEN2-2.13** Two (2) pulling rings at the rear.

**OPTIONS**

OP OPEN2-2.13\_01 Add four (4) rings to the chassis for the mooring of the vehicle on board.

**OPEN2-2.14** Electrical and pneumatic connections integrated into the front crossbeam. Electrical connectors ISO 3731 (24 N) + ISO 1185 (24 s) + ISO 12098 (15 P) and red and yellow ISO 1728 tires.

**OPEN2-2.15** Hydraulic connections above the electrical connections, aluminium safety valve against wrong connections ALITE AL-BL101. Rigid pressure tube DIN 2391 with sections 22x2,5 mm in pressure (WP 250 bar) and 28x2,0 mm in return (WP 200 bar).

**OPEN2-2.16** One (1) 3-step retractable ladder on the right rear side in running order.

**OPEN2-2.17** Body of the semitrailer finished in anodised aluminium on pillars, front, sides and rear doors.

OPEN CLEAR