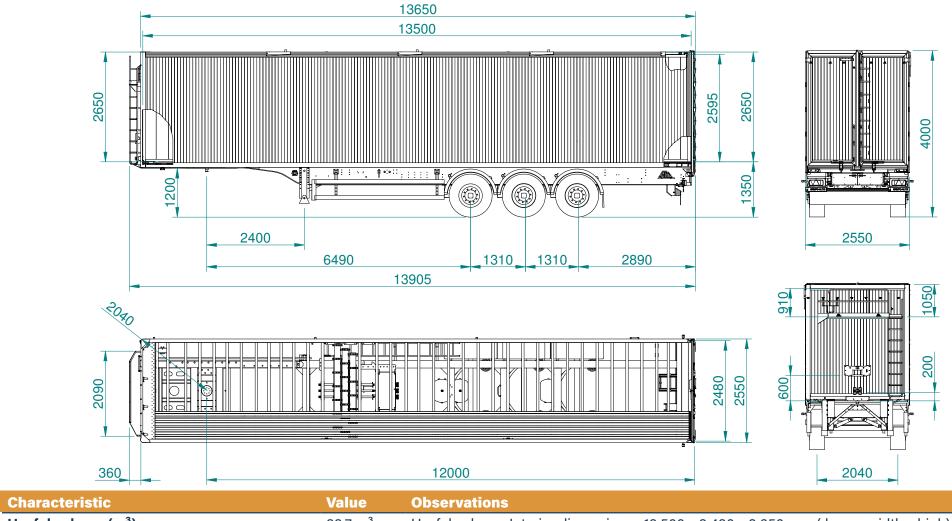
FULL DATA SHEET HD2 - HEAVY DUTY DRYLOAD KP HIGH





Useful volume (m ³)	88,7 m ³	Useful volume. Interior dimensions : 13.500 x 2.480 x 2.650 mm (long x width x high).
Empty weight (kg)	7.780	Vehicle weight. See equipment on next page.
TPMM (kg)	41.000	Vehicle total. (Technically Permissible Maximum Mass).
TPMM pivot (kg)	16.000	Standard pivot 2", class H50-X.
TPMM axles 1-2-3 (kg)	9.000	Tires 385/65 R22,5, rim offset.
European Homologation TIPO	S3NB	e9*2007/46*0557*01.

	HD2-1	CHASSIS SEMITRAILER ALITE (TPMM 41.000 kg)			
	HD2-1.1	Aluminium chassis with 450 mm frames in double T in AL6005 T6 extrusion in one piece.			
	HD2-1.2	Fifth wheel locking design for a 1.200 mm height from the floor. Range of run: 1.200 a 1.250 mm. Technically Permissible Maximum Mass: TPMM = 16.000 kg. Bolt-on fifth wheel plate in 10 mm thick S355 JR steel. Internal reinforcement plate welded to both chassis beams in the neck area of 150x15 mm in AL6082 T6. 10 mm thick coupling pivot bridge crosspieces in AL5754 H111 folded sheet metal.			
	HD2-1.3	Three 3 axles BPW ECOPLUS III with disc brake. Technically Permissible Maximum Mass:TPMM 1º-2º-3º = 9.000 kg per axle. - Distance King Pin - 1st axis: 6.490 mm - Distance 1st - 2n daxle: 1.310 mm - Distance 2nd - 3rd axle: 1.310 mm - Rear overhang: 2.890 mm			
		OP HD2-1.3_01 Change 3rd axle fixed for self-directional BPW ECOPLUS III. 1st and 2nd AIRCOMPACT ACBO L6 (FH 340-380 mm) + 3rd AIRLIGHT II ALMLL L6 (FH 350-390 mm). (+189,5 kg) OP HD2-1.3_01.01 Add BPW ARC (Active Reverse Control) in self-directional axle.(+45,0 kg) OP HD2-1.3_01.01 Add radio control for BPW ARC (Active Reverse Control). OP HD2-1.3_02 Add BPW AIRSAVE self-pumping system mounted in three (3) ECOPLUS axles 9-12 tn. (+3,45 kg)			
	HD2-1.4	BPW ECO AIRCOMPACT integral pneumatic suspension (EAAU L2 FH 245-305 mm).			
	HD2-1.5	Third axe elevator with automatic control. Up and down control by the EBS ECU. OPTIONS: OP HD2-1.5_01 Add automatic liftable axes 1st. (+23,3 kg)			
UHN	HD2-1.6	Six (6) CHT3 CONTINENTAL tyres, dimensions 385/65R 22,5". OPTIONS: OP HD2-1.6_01 Change tire CONTINENTAL CHT3 385/65 R22,5 to 6 MICHELIN X MULTI T 385/65 R22,5			
	HD2-1.7	Six (6) painted steel rims offset by pumping B=120 mm. OPTIONS: OP HD2-1.7_01 Change to 6 ALCOA DURABRIGHT rims B=120 mm. (-68,0 kg) OP HD2-1.7_02 Change to 6 SPEED LINE DIAMANTE rims B=120 mm. (-65,0 kg)			
ALL	HD2-1.8	One (1) screw-type spare wheel support without wheel. OPTIONS OP HD2-1.8_01 Add one (1) wheel support.			

HD2-1.9	HALDEX GEN3 + EBS 4S	5/2M pneumatic brake system with mechanical suspension:				
		I 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. 					
		ith filter and pressure tap according to ISO 1728.				
		or. Power supply by additional stoplight.				
	OPTIONS					
	OP HD2-1.9_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 HD2-1.9_02	Change HALDEX 4S/2M GEN3+ to the WABCO 4S/3M with electronic suspension + OPTITURN / OPTILOAD				
		(3rd mo <mark>dulator)</mark>				
		- 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.				
		- 2-3rd 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.				

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	HD2-1.10	Three (3) 60 L aluminium tanks, diameter d396 x 592 mm with supports. Two (2) brake tanks + one (1) suspension tank.					
	HD2-1.11	Two (2) BPW 2 speed mechanical type painted steel support feet.					
		OPTIONS					
		OP HD2-1.11_01 Change steel legs to manual aluminium support legs 650-800 BALTECH / ALU-LEG / PLASTECNIC.					
	HD2-1.12	Fixed anti-underrun device (bumper) in anodized aluminium ALA-ALU according to Regulation 58.					
		OPTIONS					
		OP HD2-1.12_01 Change anti-embedment WING-ALU for WING-E (extendable manual).					
		OP HD2-1.12_02 Change anti-embedment WING-ALU for WING-R (automatic folding).					
	HD2-1.13	Six (6) integral mudguards in polypropylene with anti-splash system valances according to Regulation 109.					
I	HD2-1.14	Drop side lateral under-run protections with anodised aluminium bars.					
G	HD2-1.15	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					
- T		configuration A1, B1, A2 or B2.					
0		OPTIONS					
		OP HD2-1.15_01 Add plastic toolbox 1.000 mm with brackets (C=450).					
		OP HD2-1.15_02 Add one (1) drawer in chassis with folding aluminium doors. Dimensions: 2.300 x 1.130 x 310 mm (long x width x high).					
POSSIBLE MOUNTING CONFIGURATIONS: A1 AND B1 FOR DRIVING ON THE RIGHT / A2 AND B2 FOR DRIVING ON THE LEFT:							
		A1 Right driving vehicle WITHOUT hydraulic accessories					
AD DH 3.		LEFT SIDE IN RUNNING ORDER: Name 0 Water tank. 0 Suspension lever. 0 Brake control. 0 Moving floor control panel. 0 One (1) extinguisher drawer in horizontal position mounted in the central part and integrated in the cyclist. 0 One (1) rear mounted horizontal extinguisher drawer. 0 Ladder with 12-14 aluminium rungs with support for cyclists. 0 Pole for tarpaulin at the back.					
ALIT		NOTES: 1. When a 2nd tool drawer is mounted, it will be mounted at the rear on the left side on the overhang. 2. When a 2nd spare wheel carrier is mounted, it will be mounted on the rear right side of the overhang.					

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15	B1 Right driving vehicle WITH hydraulic accessories					
LEF 0 0 0 0 0 0	T SIDE IN RUNNING ORDER: Water tank. Suspension lever. Brake control. Moving floor control panel. One (1) extinguisher drawer in horizontal position mounted in the central part and integrated in the cyclist. One (1) hydraulic accessories control cabinet.	 RIGHT SIDE IN RUNNING ORDER: Lever for operating the legs. Spare wheel holder. One (1) tool drawer in the central rear part integrated in the cyclifie-saving. One (1) rear mounted horizontal extinguisher drawer. Ladder with 12-14 aluminium rungs with support for cyclists. Pole for tarpaulin at the back. 				
	NOT 1. When a 2nd tool drawer is mounted, it will be mo 2. When a 2nd spare wheel carrier is mounted, it will	ounted at the rear on the left side on the overhang.				
	A2 Left driving vehicle WITH	IOUT hydraulic accessories				
LEF 0 0 0 0 0 0	T SIDE IN RUNNING ORDER: Lever for operating the legs. Spare wheel holder. One (1) tool drawer in the central rear part integrated in the cyclist life-saving. One (1) rear mounted horizontal extinguisher drawer. Ladder with 12-14 aluminium rungs with support for cyclists. Pole for tarpaulin at the back.	 RIGHT SIDE IN RUNNING ORDER: Water tank. Suspension lever. Brake control. Moving floor control panel. One (1) extinguisher drawer in horizontal position mounted in to central part and integrated in the cyclist. 				
	NOT 1. When a 2nd tool drawer is mounted, it will be mou 2. When a 2nd spare wheel carrier is mounted, it wil	unted at the rear on the right side on the overhang.				
	B2 Left drivingvehicle WI	TH hydraulic accessories				
LEF 0 0 0 0	T SIDE IN RUNNING ORDER: Lever for operating the legs. Spare wheel holder. One (1) tool drawer at the rear on the overhang. One (1) rear mounted horizontal extinguisher drawer. One (1) hydraulic accessories control cabinet.	 RIGHT SIDE IN RUNNING ORDER: Water tank. Suspension lever. Brake control. Moving floor control panel. One (1) extinguisher drawer in horizontal position mounted in t central part and integrated in the cyclist. Ladder with 12-14 aluminium rungs with support for cyclists. Pole for tarpaulin at the back. 				
0	One (1) rear mounted horizontal extinguisher drawer.	 Moving floor control panel. One (1) extinguisher drawer in horizontal position mounted central part and integrated in the cyclist. Ladder with 12-14 aluminium rungs with support for cyclist Pole for tarpaulin at the back. 				

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HD2-1	.16 Lightening mechanism ar	Lightening mechanism and light signals according to the Regulation 48 with Aspöck Ecoled II rear lights Led markers. Folding protection			
	the lights in aluminium int	tegrated in the rear of the vehicle.			
	OPTIONS:				
	OP HD2-1.16_01	Add two (2) working rear light led reverse gear + selector.			
		OP HD2-1.16_02 / Add two (2) led work headlights in central part on each side under the front safety support + reverse select			
	OP HD2-1.16_02	Add two (2) led work headlights in central part on each side under the front safety support + reverse selector.			
	OP HD2-1.16_02	Add two (2) led work headlights in central part on each side under the front safety support + reverse selector.			
HD2-1	-				
HD2-1	-				
HD2-1	17 Chassis finished in non-ar				
HD2-1	17 Chassis finished in non-ar OPTIONS:	nodised raw aluminium.			

	HD2-2	OPEN BODYWORK WITH INTEGRAL FIXED SIDES IN ALUMINIUM (88,7 m ³)
GH	HD2-2.1	Integral aluminium fixed sides open bodywork construction. Outer dimensions: 13.650 mm (length) x 2.550 mm (width) and 2.650 mm of usable inner height. Fully usable volume of 88,7 m ³ . Maximum ground height 4.000 mm for fifth wheel locking at 1.200 mm.
=		OPTIONS
-		OP HD2-2.1_01 Body length reduction by linear meter. (-233,0 kg/m).Range 10.000 - 13.650 mm.
0		OP HD2-2.1_02 Body height variation by linear meter. (±442 kg/m).Range: 1.400 - 3.200 mm
X		OP HD2-2.1_03 Change useful interior length 13,500 to 13,620 mm with internal chamfer 90 x 120 mm.
DAD	HD2-2.2	AL6005 T6 Alloy aluminium panels with tongue-and-groove joint system boards. 300 x 30 x 2,25 / 1,85 (width x thickness x inner / outer thickness).
X		OPTIONS
X		OP HD2-2.2_01 Change panels 300 x 30 x 2,25 / 1,85 mm for 350 x 30 x 3,0 / 2,5 mm. (+136,0 kg).
C		OP HD2-2.2_02 Add inner complete reinforcement on both sides 13.500 x 1.500 x 3 mm AL5754 H111 (40,5 m ²). (+328,0 kg).
		OP HD2-2.2_03 Add inner complete reinforcement on both sides 9.000 x 1.500 x 4 mm AL5754 H111 (27,0 m ²). (+218,7 kg).
		OP HD2-2.2_04 Add inner complete reinforcement on both sides 6.000 x 1.500 x 4 mm AL5754 H111 (20,0 m ²). (+162,0 kg).
두		OP HD2-2.2_05 Add two doors 3.700 x 700 mm folding upper on left side. (+45,0 kg).
i i i		OP HD2-2.2_06 Add two doors 3.700 x 700 mm folding upper on right side. (+45,0 kg).
E	HD2-2.3	Twenty-one (21) aluminium planks (112 mm) ALITE HEAVY DUTY hydraulic moving floor system in aluminium AL6082 T6 (standard 6 mm + 1,5
A		mm planks). Mounting of 735 sliders per unit on aluminium tube 25,4 x 25,4 x 2 mm.

HD2-2.3	OPTIONS	
	OP HD2-2.3_01	Change 21 planks e=6 mm for 21 planks e=8 mm. (+148,1 kg).
	OP HD2-2.3_02	Change 21 planks e=6 mm for 21 planks e=10 mm. (+250,0 kg).
	OP HD2-2.3_03	Change 21 planks e= 6 mm for 24 planks e=6 mm. (-85,0 kg).
	OP HD2-2.3_04	Change nylon plate at the back underneath the floor for 4 mm stainless steel plate.(+23,5 kg).
HD2-2.4	Lower band of curved type	reinfo <mark>rced</mark> in a <mark>l</mark> uminium AL6082 T6.
	OPTIONS	
	OP HD2-2.4_01	Add twelve (12) equidistant rings inserted in every lateral. Total 24 units. Rings according to EN12640, 3000 daN.
	OP HD2-2 <mark>.4</mark> _02	Add ten (10) equidistant rings inserted in every lateral. Total 20 units. Rings according to EN12640, 3000 daN.
	OP HD2 <mark>-</mark> 2.4_03	Add six (6) equidistant rings inserted in every lateral. Total12 units. Rings according to EN12640, 3000 daN.
HD2-2.5	Upper profile for closing ha	indrail with integrated rail reinforced in AL6082 T6.
	OPTIONS	
	OP HD2-2.5_01	Change to range paletizable strait without rail.
5	OP HD2-2.5_02	Additional profile of reinforcement U 100x50x4 mm 13,6 m in steel galvanized in the right handrail.(+65,0 kg).
	OP HD2-2.5_03	Additional profile of reinforcement U 100x50x4 mm 13,6 m in steel galvanized in the left handrail.(+65,0 kg).
HD2-2.6	Inside standard tarpaulin w	rall on a bar with two stainless steel pulleys with dismountable bearing.
	OPTIONS	
	OP HD2-2.6_01	Change to loose sweeper canvas with manual tape on the front. Without pulley.
	 OP HD2-2.6_02	Change to loose canvas with telescopic bar. Without pulley.
	OP HD2-2.6_03	Aluminium front sweep panel with inf. canvas + lat. rubber joint. Inside wall hung on stainless steel carts.(+112,8 kg)
	OP HD2-2.6_04	Add ALITE pneumatic front inside wall.
HD2-2.7	Full height fixed front in alu	minium with catwalk at 1.050 mm from the handrail and with maximum dimensions according to Regulations. Acces
		nning order. 910 mm high railing.
	OPTIONS	
	OP HD2-2.7_01	Add front access door AL. 1.000x800 mm right lat. in running order.
	OP HD2-2.7_02	Add front access door AL. 1.000x800 mm left lat. in running order.
	OP HD2-2.7_03	Change position ladder right side order run.
	OP HD2-2.7_04	Runway at 650 mm from the front of the maximum dimensions according to regulations.
	0	

HD2-2.8	Rear door with 2 parts without upper crossbar and with closing system with central espagnolette with double fastening. Open bodywork closing ironworks integrated in the pillars profiles made of AISI 304b stainless steel. Aluminium ladder on the right door side.
	OPTIONS
	OP HD2-2.8_01 Add stainless manual hatch. right door.
	OP HD2-2.8_02 / Add stainless manual hatch. left door.
	OP HD2-2.8_03 Add upstand rear doors aluminium removable 80x40x4.
	OP HD2-2.8_04 Add assembly rear fixed doors welded AL 160x80x8 AL6082 T6.
	OP HD2-2.8_05 Remove staircase integrated aluminium right sheet.
	OP HD2-2.8_06 Change rear door with 2 parts for hydraulic leak proof door with hydraulic synchronized locks.
HD2-2.9	Additional pneumatic closing system for rear doors with manual activation with button in the chassis.
HD2-2.10	System 5 arches in black anodized ALITE extrusion aluminium tube of section 60x50 mm, quality AL6082 T6. Arches folding towards the top and rotating laterally. Standard version: First (1st): straight without detachable type point with pin. Second (2nd), third (3rd) and fourth (4th): 50 mm high centre point, rotating and folding upwards. Fifth (5th): straight without point, rotating and folding upwards. OPTIONS OP HD2-2:10_01 Change arch system for straight version: First (1st): straight without point of detachable type with pin. Second (2nd), third (3rd), fourth (4th) and fifth (5th): straight without point, swivelling and folding upwards. OP HD2-2:10_02 Arch system change mixed version: First (1st): straight without point, rotating and folding upwards. OP HD2-2:10_02 Arch system change mixed version: First (1st): straight without point, rotating and folding upwards. OP HD2-2:10_02 Arche schange spring lock closure system: First (1st): second (2nd), third (3rd), fourth (4th): 50 mm high centre point with interior stock closure and plate above the handrail. OP HD2-2:10_03 Arches change spring lock closure system: First (1st): second (2nd), third (3rd), fourth (4th) and fifth (5th): 50 mm high centre point with interior stock closure and plate above the handrail. OP HD2-2:10_04 Add bracket support closure livestock amarre chassis.
	o Reinforced bolted brackets and mounting bars with 30 mm diameter reinforced bolts.

HD2-2.11

Tin opener roll up 680 g/m² canvas top, with fall of 600 mm on the left side in running order and fixed on the right side. Colour according to RAL guide. Four (4) tensing ratchets on the left side and two (2) on the right side in running order for the tarpaulin belts. Four (4) ALITE aluminium swing-away spring-loaded bayonets mounted on the right side in running order. Two (2) inner reinforcing tubes in the centre at 550 mm between them, 3/4" galvanized iron pipe.

OPTIONS

OP HD2-2.11_01	Re <mark>move</mark> roo <mark>f</mark> tarpaulin. (-135,0 kg).

OP HD2-2.11_02 Add canvas colour RAL + white centre stripe.

COLOUR	RAL	RAL	RAL	RAL	RAL	RAL	OTHER
BLUE	5012	5 <mark>015</mark>	5010	5002	5003	5013	EUROPA 941
YELLOW	1013	1 <mark>0</mark> 15	1014	1018	1021	1003	
GREEN	6005	6 <mark>028</mark>	6026	6018			
GRAY	7035	7038	7037				
ORANGE	2008	2004					
RED	3020	3002					
WHITE	9010	9016					
BROWN	8017						
ALUMINUM	9006						
BLACK	9005						

- OP HD2-2.11_03 Change canvas drop right side and fixed left side in running order.
 - OP HD2-2.11_04 Add roll-up can opener mesh.
 - OP HD2-2.11_05 Add mesh to cover load 15.000 x 5.000 mm + hooks to welded on band.
- OP HD2-2.11_06 Changing canvas roof for Cramaro cabriole type C manual + elec + radio. (+155,0 kg).
- Electric drive with manual control panel and radio control.
- 680 g/m² PVC tarpaulin in RAL colour. RAL 9010, RAL 3002, RAL 1030, RAL 7038, RAL 6026, RAL 5002 and RAL 2008.
- 130 mm long type C side straps. 100 mm side canvas drop.
- Arches with a central arch 200 mm high at the centre. Optional 300-400-500 mm.
- Automatic folding rear trolley.
- Change to a system of 5 black anodized aluminium straight rings with screw-on supports. Modification point 2.10.
- OP HD2-2.11_07 Changing canvas roof for ALITE butterfly hydraulic roof. (+315,0 kg).Configuration B1 ó B2.
- Operation by 4 double acting hydraulic cylinders with chains and blocking valve.
- Screw mounting.
- Integral wings in aluminium. Manual locking control of the wings.
- Hydraulic system with manual and electric distributor.
- Control block with limiter and emergency stop valve. With drive speed regulator.

HD2-2.12	Two (2) pulling rings at the rear
	OPTIONS
	OP HD2-2.12_01 Add four (4) rings to the chassis for the mooring of the vehicle on board.
HD2-2.13	Electrical and pneumatic connections 600 mm from the coupling pivot plate. Watertight box with electrical connectors ISO 3731 (24 N) + ISO 1185 (24 s) + ISO 12098 (15 P) and red and yellow ISO 1728 tires.
	OPTIONS
	OP HD2-2.13_01 Electrical connections height change to 1.000 mm.
HD2-2.14	Hydraulic connections 250 mm from the coupling pivot plate with 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). OPTIONS
	OP HD2-2.14_01 Electrical connections height change to 800 mm.
	OP HD2-2.14_02 Add auxiliary hydraulic set 1 drive (manual/electric).
	OP HD2-2.14_03 Add auxiliary hydraulic set 2 drives (manual/electric).
	OP HD2-2.14_04 Diesel autonomous hydraulic systemfor mobile floor. (+585,0 kg). - Autonomous hydraulic power system with 3-cylinder HATZ diesel engine and 41 cm3 / rev Parker axial piston pump. Equipmen for working flow of 100 I / min / 180 bar.
	 Engine control panel integrated in the main panel. Electric drives for the walking floor, rear door and hydraulic roof. Additional emergency manual override for all walking floor, tailgate and power roof functions. Side connection for operation in stationary plant with selector for panel or remote operation. Functions wired according to customer specifications.
	- DIESEL ENGINE HATZ 3M41 -
HD2-2.15	One (1) aluminium ladder with 12 steps with holder on the under-run protections.
HD2-2.16	Body of the semitrailer finished in non-anodised raw aluminium. OPTIONS
	OP HD2-2.16_01 Imp. epoxy finish + acrylic water p. RAL.