

TECHNICAL SPECIFICATION

3-AXLE HEAVY-DUTY LOW-BED SEMITRAILER

Custom-made in Germany

Type: 8096-BPW

Payload: approx. 80 ton



Heavy duty off-road low bed semi-trailer for the safe transportation of construction machines

Main Features

Dimensions

Overall length approx:	17 000 mm
Low-bed width approx.:	3 000 mm
Low-bed length approx.:	13 500 mm (11 850 mm + 1 650 mm rear inclination)
Gooseneck length, approx.:	3 500 mm
Lowbed height from ground, approx.:	1 450 mm
King-pin height, approx.:	1 4000 mm (according to your requirements)

Weights

	60km/h	30km/h
Axle load	55 620 kg	62 640 kg
King pin load	28 840 kg	32 480 kg
Gross vehicle weight	84 460 kg	95 120 kg
Tare weight approx.:	16 000 kg	16 000 kg
Payload, approx.:	68 460 kg	79 120 kg

All data mentioned above, are approximations. Depending on additional options and accessories as well as the selected tractor unit, deviations are possible.



Our production site for lowbed semi-trailer is in Germany and we are using only **German** and **European** high **quality steel** and **components**.

General information:

Our lowbed semi-trailers are tough built for heavy duty transport jobs and well known for highest reliability in roughest conditions.

We are using high-quality European steel for the chassis and superstructure and German and European truck components

Our lowbed semi-trailers are robust, reliable, durable and easy to maintain.

Our lowbed semi-trailers are **custom-built from the ground up without compromises**. We tailor individually trailers and vehicles to every transport requirement and particular tasks.

Trailer and semi-trailer **custom-made in Germany**

Please do not hesitate to contact us for further information.

Chassis

Heavy duty reinforced 54/80 chassis with reinforced **BPW** axles.

The trailers framework consists of two fabricated steel beams of European high quality steel.

The beams are strongly connected with the cross members supporting the suspension and the kingpin upper coupler.



Special reinforced steel frame construction for very rough jobs.



We only use European high quality steel.



Very well protected connection ports (air and electricity) against all kind of damages.



On top of the gooseneck the metal tools and equipment box (lockable).

Small **gooseneck** without platform, approx. 3 500mm long, with integrated and lockable tool-box, spare wheel holder and small lift for spare wheel handling.

Upper coupler plate with JOST, Germany **3 1/2"** king pin.



30 ltr. water tank (right hand side) for hand cleaning.

Loading platform

Heavy Duty **hard wooden** floor of 60 mm thickness. Fabricated of special dried hard wood (**Iron Wood**), we call it: "*dessert floor*".

That "steel frame / wood construction" is much more durable than any available "steel chequered plate" construction. Additionally the wooden platform is less slippery than steel chequered plates. Please ask us for more information.

Width of loading platform: 3 000 mm

Rear inclination with hydraulic ramps attached and welded square-bars.





Load security: 5 pairs heavy-duty lashing eyes, 20 ton each, welded along each trailer side.



4 x Side position lamps on each side

2 x Outline marker, front

Rear loading ramps

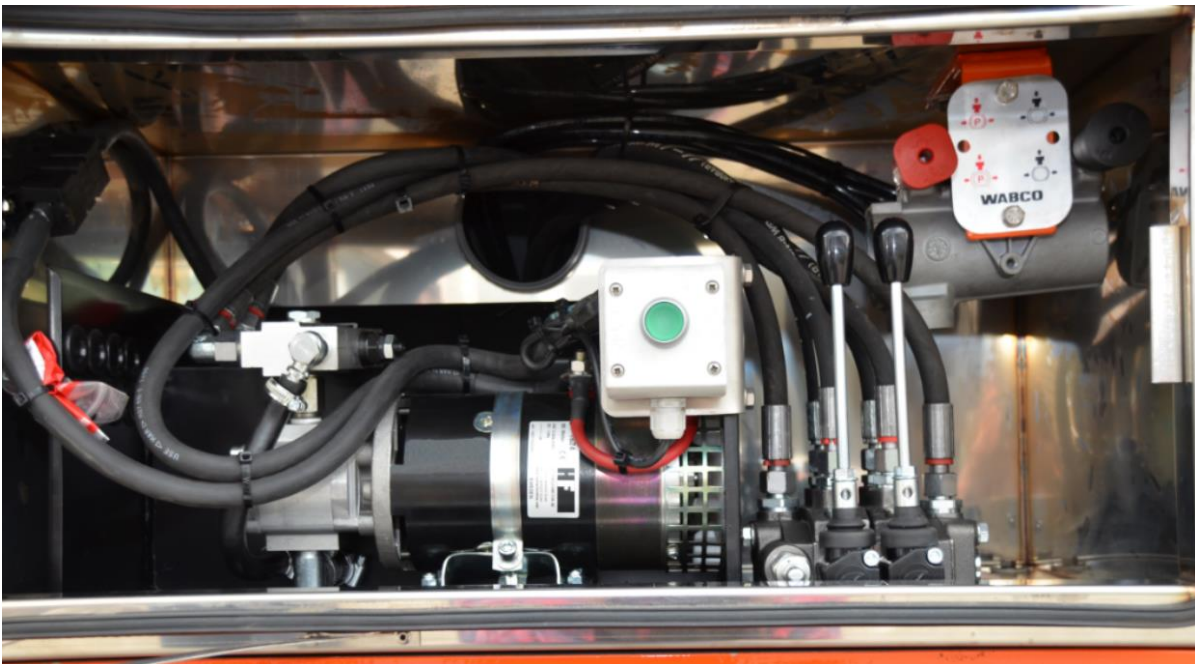
Two (2) hydraulic operated heavy duty rear loading ramps, powered by 24Volt electro power-pack. Operation done by two hand-lever. Hydraulic operation for up / down.

Length of ramp: approx. 3 000 mm
Width of ramp: approx. 1 200 mm





The mounting suspension of the hydraulic ramps are extremely strong and very resistant, executed with 4 hinges. The rear light protection can be done with **your company logo** (Option).



Above: Inside view of 24 Volt electro power-pack for hydraulic operation of rear loading ramps. The unit is mounted on the left hand side of the trailer.

Picture right: 24 Volt electro power-pack. Well protected in heavy duty, lockable box under the loading platform of the trailer (water proof).





Heavy duty rear support of hydraulic ramps (Landing Gears). They are manually operated, one-side operation. Please notice the strong protection of the landing gear on the trailer chassis.

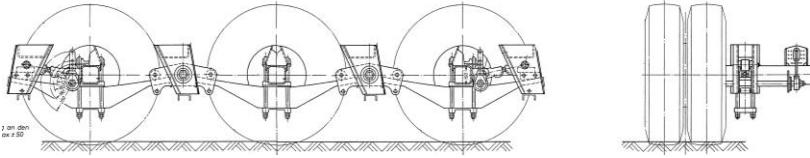


Please notice the strong rear protection of the landing gear



Running gear

3 axles, European type **BPW VBT 3/18010**, capacity 18 to. each.
420 mm brake drums, with S-cam.
Spring suspension, **BPW VBT range**, with beams equaliser.



Axles: BPW – Mode: VBT 3/18010 - Capacity 18 to. each. **Off-Road** Tires: 14.00 R 20

Wheel and tyres

- Units : Twin mounted tyres 12 + 1 complete spare wheel included
- Wheel type : Disc-wheel, type 9,00x22,5 or 10" rims for 14.00R20 tires
- Tire size : 315/80 R 22,5 (On request: **14.00 R 20** tires)
- Brand: : First class European brand, approved for on/off road operation.



Example: 10" rim (10 holes) with 14.00 R 20 tire

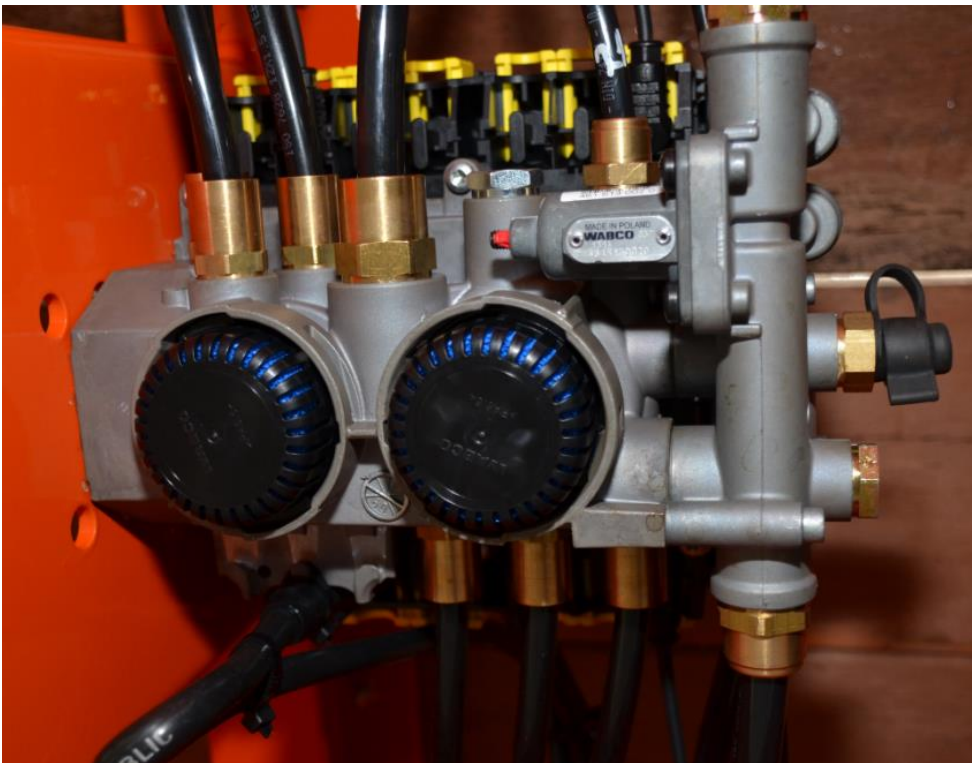
Landing legs (JOST)

Two (2) speed with large pad feet, one-side operation.
24 tons total lifting capacity and 50 tons static.



WABCO or KNORR Brake system

Double line air brakes with load sensing valve. Spring loaded parking brake. Connections mounted on the front bearer.



Electric system

System voltage	:	24 Volt, acc. to RL 76/756/EWG
Coupling	:	15 poles
Rear light system	:	Two (2) 6 chamber lights for 24 Volt
Side-marking lights	:	Two (2) mounted on the <u>rear</u> bumper plate, 24 Volt (outline marker, rear)
Position lights	:	Two (2) at the <u>front</u> , 24 Volt (outline marker, front)
Side position lamps:		Four (4) on <u>each</u> side
Reflectors	:	Two (2) triangles at rear

Standard accessories

Two (2) wheel chock with holder
One (1) spare wheel carrier with winch and handling arm, mounted along gooseneck
One (1) toolbox with standard wheel tools
One (1) 30ltr water tank mounted

Paintwork and finishing

Chassis: Sand blasted, base coated, synthetic enamel finish one (1) RAL-colour
Accessories: Partially galvanised

Documentation

One (1) spare part list (book and USB-stick)
One (1) operating manual (book and USB-stick)
All instruction plaques, lists, manuals and signs in English

We reserve the right to modify or change specification at any time!

Delivery time, ex factory: approx. 12 - 14 weeks after receipt of written order confirmation and clarification of all technical and commercial issues

Warranty: starting from date of vehicle taking over, 12 months unconditional warranty on body and welded construction. The warranty is limited to the repair or replacement of broken parts due to construction faults and does not cover damage caused by improper use

We hope that our offer meets your expectations and we assure to deliver a top quality product.

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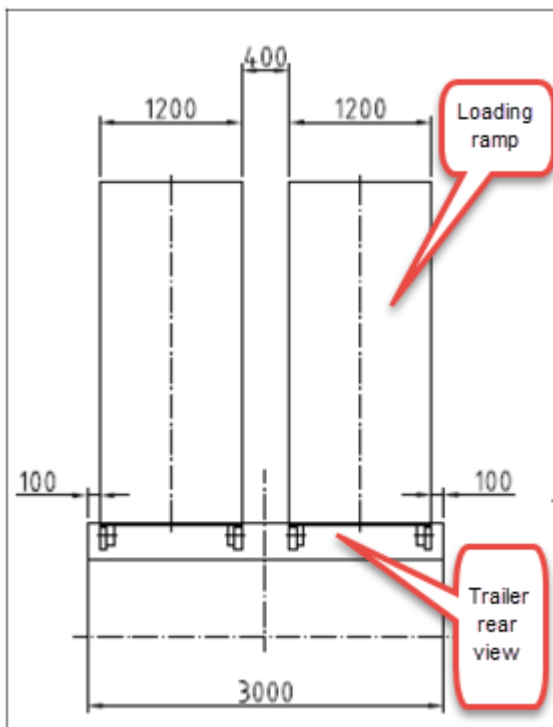
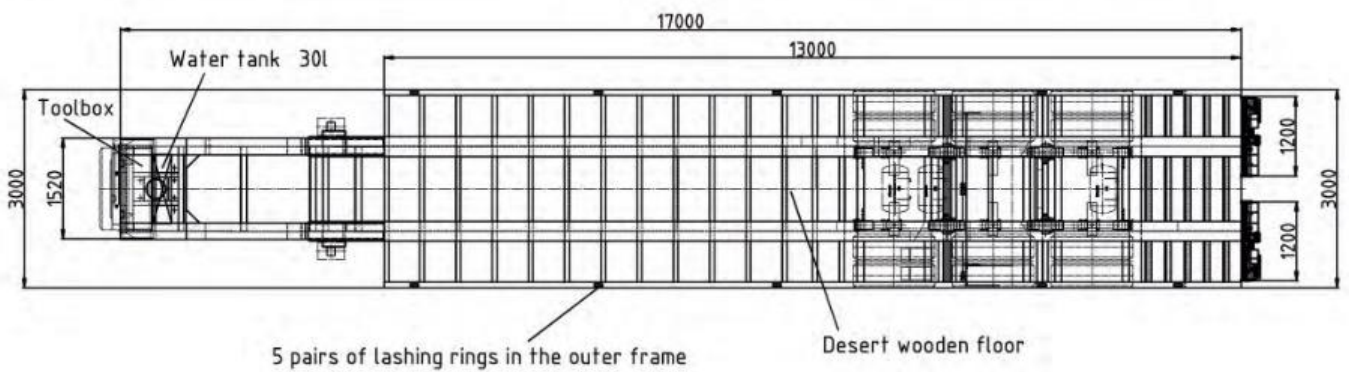
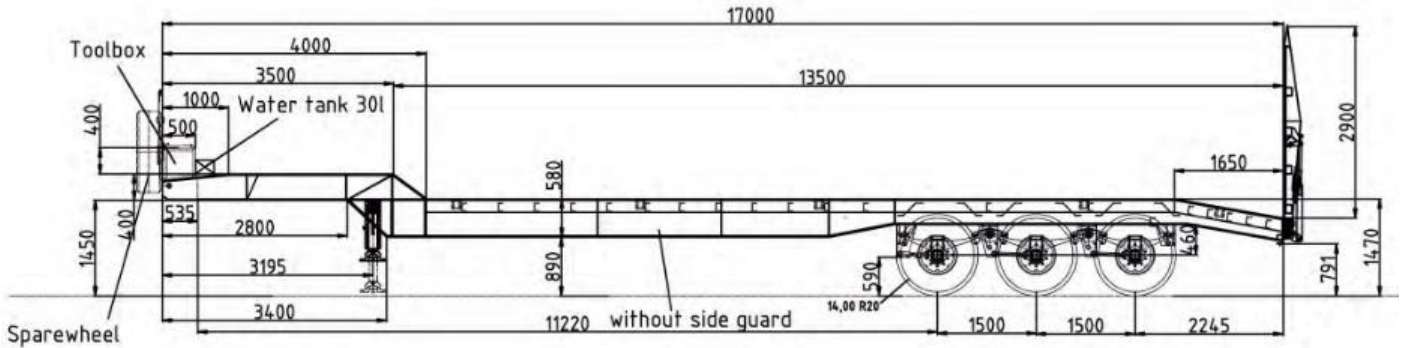
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Example drawing for that off-road low-bed trailer.

All trailers are **custom-made** the measurements can be modified to your specific requirements.



View from behind to the rear loading ramps

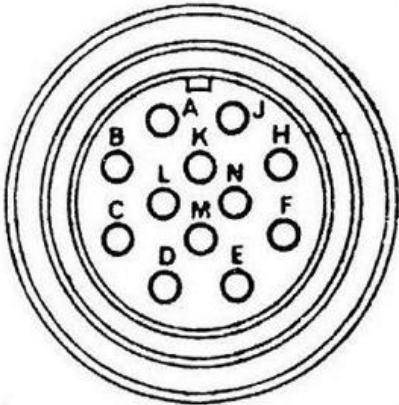
Additional technical information concerning electrical power supply of the trailer

Electrical power supply to the trailer by „NATO“ plug.

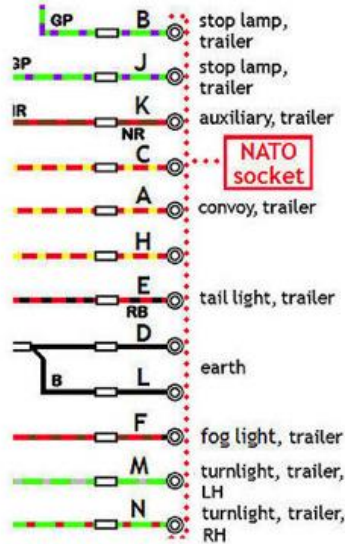


We will supply the correct electrical plug (NATO) and assembly kit for the truck tractor.

NATO SOCKET viewed from plug side

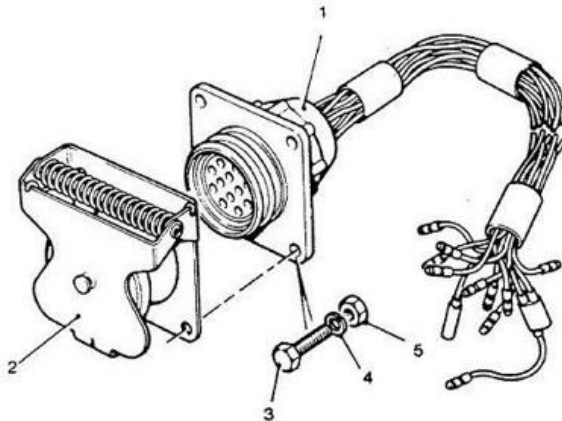


- A CONVOY LIGHT (to be interconnected with C & H)
- B LEFT-HAND STOP LIGHT
- C To be interconnected with A & H
- D EARTH
- E REAR LIGHTS
- F BLACKOUT STOP LIGHT
- H To be interconnected with A & C
- J RIGHT-HAND STOP LIGHT
- K 12V or 24V feed
- L RESERVED
- M LEFT-HAND TURN LIGHT
- N RIGHT-HAND TURN LIGHT



Adaptor to 7 pin 'domestic'

- Yellow 1 to M Left hand indicator
- Blue 2 to F fog lights
- White 3 to D Earth
- Green 4 to N right hand indicator
- Brown 5 to E tail and number plate light
- Red 6 to B and J Left hand stop right hand stoplight
- Black 7 to E tail and number plate light



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