KRONE is the leading supplier of highly efficient and robust interchangeable systems. The reason: The Box carrier chassis have an extremely resistant, flexible and functional equipment. This means: Even with a high alternating frequency, a smooth process is guaranteed. For decades, we have been manufacturing swap bodies and swap bodies in exemplary coating quality. These set standards in the fast logistics business.

Those: https://www.krone-trailer.com/produkte/wechselsysteme/

Today, swap chassis and swap bodies are primarily found in Germany. The most common is the BDF system. The applicable standards have been developed by the

FederalAssociation of German FreightTransport (BDF), today Bundesverband Güterkraftverkehr Logistik und Entsorgung (BGL) e.V. recommended and established.

Use of swap bodies - interchangeable systems

Exchange systems bring advantages above all in combined transport (road-rail) and in shuttle or encounter traffic. Due to the simple and quick replacement of the load carriers, the load can already be preloaded or unloaded at a later time, while the truck can carry out other work or drive further tours. The loading and unloading times for the truck are considerably shortened. The swap body can also be quickly replaced anywhere without aids.

Compared to fixed superstructures, the type of body (e.g. tarpaulin or case) can also be changed flexibly depending on the client.

Those: http://mls-online.de/de/service/wissenswertes/wissenswertes-ueber-bdf-wechselsysteme.html

The set includes 60 swap bodies and 2 box carriers as rolling stock

Profi Box Carrier AZW 18

(Box_Carrier_TM1 + Box_Carrier_Dolly_TM1)

Profi Box Carrier ZZW 18 (Tandem)

(Box_Carrier_Tandem_TM1)

Dolly

(Box_Carrier_Dolly_TM1)

Swap bodies

(20 WB_Fz, 20 WB_An, 20 WB_AnTa)

ABX, Axis, Cargoline, Dachser, DB_Schenker, DHL, DPD, Emons, GLS, Hermes, IDS,

Krone, Kühne_Nagel, Logwin, M&M, MLS, Raben, Seaco, UPS, neutral weiss

!!! ATTENTION !!!

The models are optimised for the 1-road system.

They can be moved via the slider "Offset_1Str_2Str".

With the 2-street system, when driving through curves and at bends, the

bends, the vehicles pull apart or are pushed into each other.

are pushed into each other.

This is not a design fault, but caused by the 2-road system.

Hitching up the swap bodies should NEVER be done faster

than a maximum speed of 10 km/h.

A higher speed can lead to problems during coupling.

A maximum speed of 5 km/h is realistic.

For technical reasons, it is NOT possible to drive
under two swap bodies in a row!

The trailers are equipped with

- Lighting
- Rotating wheels
- Height-adjustable chassis
- movable supports (ZZW 18)
- Editable indicator (from EEP 15)
- Sound for supports (ZZW 18)
- Sound for the chassis
- The trailers are for the 1 road system optimized, can be used via sliders for the 2-road system by 2m laterally be moved (Versatz_1Str_2St)

The swap bodies are equipped with

- Height adjustable
- movable supports
- movable roller door
- Editable box numbers (from EEP 15)
- Sound for supports and roller shutter
- two different loads (retractable)
- The swap bodies are suitable for the 1 road system optimized, can be used via sliders for the 2-road system by 2m laterally be moved (Versatz_1Str_2St)

The swap bodies are built as rolling stock. They are therefore coupled to the corresponding vehicle at the rear. It is important to ensure that the correct swap body (WB) is attached to the correct vehicle.

There are 3 WB's, **WB_Fz**, **WB_An** and **WB_AnTa** from each forwarding company
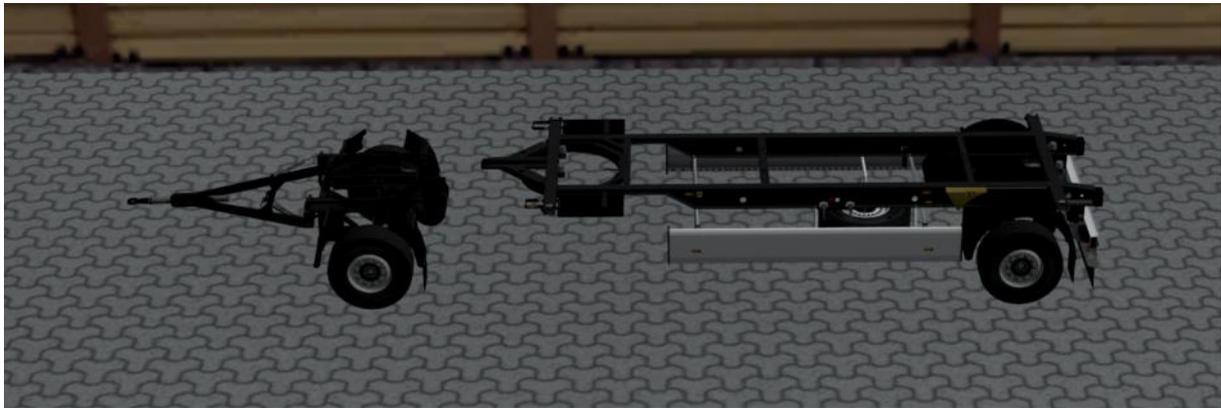
BDF_LKW = WB_Fz

Box Carrier AZW 18 = WB_An

Box Carrier ZZW 18 = WB_AnTa

The Profi Box Carrier AZW 18 is composed of the models Box_Carrier_TM1 and the Box_Carrier_Dolly_TM1.

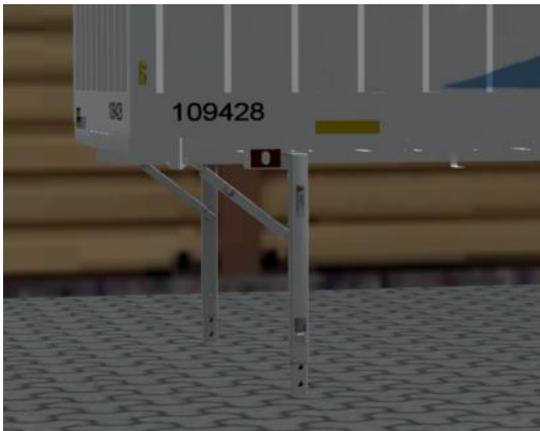Roller door closed   Roller door open

with cargo without charge
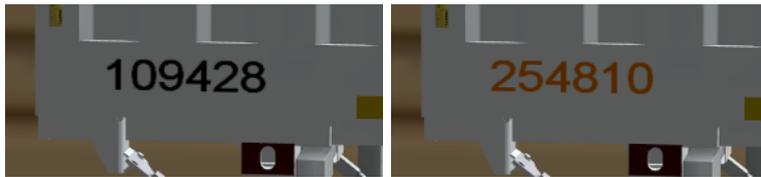

Supports unfolded   Supports folded

The numbers of the WBs can be changed via the labeling function.

The installation of the models:

Rollmaterialien:

- EEPxx/Resources/Rolling stock/Road/Trailers

  - Box_Carrier_Dolly_TM1
  - Box_Carrier_Tandem_TM1
  - Box_Carrier_TM1

- EEPxx/Resources/Rolling stock/Road/Trailers

  - WB_ABX_An_TM1
  - WB_ABX_AnTa_TM1
  - WB_ABX_Fz_TM1
  - WB_Axis_An_TM1
  - WB_Axis_AnTa_TM1
  - WB_Axis_Fz_TM1
  - WB_Cargoline_An_TM1
  - WB_Cargoline_AnTa_TM1
  - WB_Cargoline_Fz_TM1
  - WB_Dachser_An_TM1
  - WB_Dachser_AnTa_TM1
  - WB_Dachser_Fz_TM1
  - WB_DB_Schenker_An_TM1
  - WB_DB_Schenker_AnTa_TM1
  - WB_DB_Schenker_Fz_TM1
  - WB_DHL_An_TM1
  - WB_DHL_AnTa_TM1
  - WB_DHL_Fz_TM1
  - WB_DPD_An_TM1
  - WB_DPD_AnTa_TM1
  - WB_DPD_Fz_TM1

- WB_Emons_An_TM1
- WB_Emons_AnTa_TM1
- WB_Emons_Fz_TM1
- WB_GLS_An_TM1
- WB_GLS_AnTa_TM1
- WB_GLS_Fz_TM1
- WB_Hermes_An_TM1
- WB_Hermes_AnTa_TM1
- WB_Hermes_Fz_TM1
- WB_IDS_An_TM1
- WB_IDS_AnTa_TM1
- WB_IDS_Fz_TM1
- WB_Krone_An_TM1
- WB_Krone_AnTa_TM1
- WB_Krone_Fz_TM1
- WB_Kuehne_Nagel_An_TM1
- WB_Kuehne_Nagel_AnTa_TM1
- WB_Kuehne_Nagel_Fz_TM1
- WB_Logwin_An_TM1
- WB_Logwin_AnTa_TM1
- WB_Logwin_Fz_TM1
- WB_Meyer_Meyer_An_TM1
- WB_Meyer_Meyer_AnTa_TM1
- WB_Meyer_Meyer_Fz_TM1
- WB_MLS_An_TM1
- WB_MLS_AnTa_TM1
- WB_MLS_Fz_TM1
- WB_Raben_An_TM1
- WB_Raben_AnTa_TM1
- WB_Raben_Fz_TM1
- WB_Seaco_An_TM1
- WB_Seaco_AnTa_TM1
- WB_Seaco_Fz_TM1
- WB_UPS_An_TM1
- WB_UPS_AnTa_TM1
- WB_UPS_Fz_TM1
- WB_weiss_An_TM1
- WB_weiss_AnTa_TM1
- WB_weiss_Fz_TM1

Sound:

- EEPxx/Resources/Sounds/EEXP/TM1

  o TM1_Rolltor_WB.wav
  o TM1_Stuetzen_WB.wav
  o TM1_Auflieger_Stuetzen
  o TM1_LKW_Fahrgestell.wav

Documentation:

- EEPxx/Resources/Doc/TM1

  o Krone_swap bodies_eng.pdf

Demo Attachment:

- EEPxx/Resourcen/ Attachments/TM1

  o Demo_WB