

# EMPL LHS

## Overview of Load Handling Systems



LHS  
Load Handling System



Customized, individual superstructures!

[www.empl.at](http://www.empl.at)

With mechanical body lock according to ÖNORM or STANAG up to 20 tons for load handling operations. The LHS was specially designed for low inter-face height. Total height with 1CC ISO - 20 feet. Container 4.000 mm – according EEC road regulation – depending on truck chassis height.

### Height

- Chassis surface to disc-roll  
- 185 mm
- Chassis surface to rolling surface rollerpads  
- 285 mm
- Alternative: Chassis surface to rollingsurface with developed flexible rollerpads  
- 315 mm  
enables disalignment in pick up of +/- 10 degrees

### Available optional equipment

- various rear support versions
- CHU (Container Handling Unit) with
  - Roller Pads in 2 versions see above
  - H-Frame for 1C and 1CC ISO Container flexibly usable and storable behind cab.
- Proportional Radio Remote Control for all 4 LHS operations plus:
  - Roller Pads hydraulically operated
  - Hydraulical slewing of rollerpads - newly developed - hydraulical sliding of rollerpads
  - Engine Start/Stop
  - Vehicle brake on/released
  - Emergency cut-off
  - Adjustment of engine rotation (700 to 1.200 rpm)
  - storing of Container Handling Unit
  - Plug 24 Volts for Remote Control System
- Rear camera with multifunction screen for GPS, installed in cab for "in-cab-operation"
- Twistlocks on rollerpads hydraulically adjustable
- Underfloor pick-up-ability 300 mm
- Shifting availability from/to EMPL LHS trailer systems
- EX 3 version available (ADR)
- Available for ambient temperatures  
-46°C bis +49° (STANAG 2895, A1-C2)
- Emergency operation for the hydraulic system



### Body Versions

Taking STANAG clearance with 150 mm and body length up to 6.200 mm under consideration (special length can be discussed!) Height of standard flatrack floor structure 300 mm (special solutions available)

- Standard flats for ammunition and general cargo
- Flatracks with Twist-Locks in ISO arrangement for ISO Container loading and forklift crane handling, flatracks are stockable.
- LHS base frame with bodies/modules like:
  - Insulated / Refrigeration Body
  - Mobile Workshops
  - Mobile Command and other Shelters
  - Mobile Power Generators a.s.o.
- Recovery and Rescue Platform

In connection with Container Handling Unit to be taken directly from the ground and to be lifted onto the truck or shifted onto the trailer.

- ISO Container 20 Feet 1CC (Height 2.591 mm)
- ISO Container 20 Feet 1C (Height 2.438 mm)
- Mobile fuel station, water bowsers and other special bodies like mobile units in an integrated 20 feet frame structure (suitable for LHS operation) – also available in shielded and armoured version!



### Trailers

The EMPL LHS-trailer system was especially designed for military operations and is available as drawbar trailer version for "on-road" operation as well as tandem trailer version for "off-road" operation.

### Drawbar Trailer

- twin-tyre arrangement
- front-handling enables clearing of container at a ramp from rear
- special slide for flatrack- and ISO Container-handling
- pneumatically foldable drawbar for front handling
- also available with 3 axles

### Tandem Trailer

- special trailer coupling needed
- in single tyre version available
- front-handling enables clearing of container at a ramp from rear
- special slide for flatrack- and ISO Container-handling
- telescopic central tube for front handling
- support legs in mechanical or hydraulic version available

### Optional Equipment

- air suspension
- mechanically or pneumatically operated double locking system
- EX 3 illumination, System acc. ADR available
- disc-brakes a.s.o.
- axle weight scale
- rear view camera
- removable ISO Twistlocks for transport of 2 pieces ISO 10' containers
- interchangeable towing eye (NATO/VBG/DIN)

High-tech according to customer request!