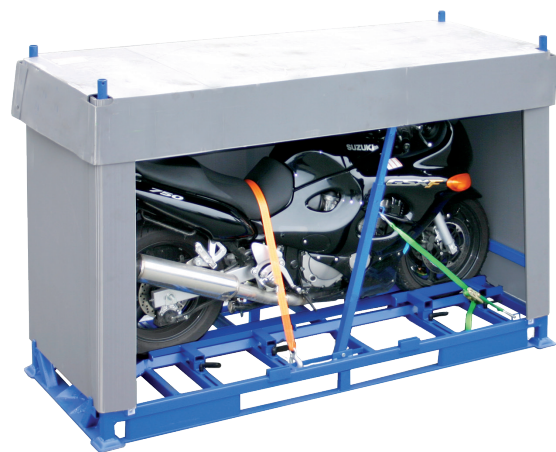
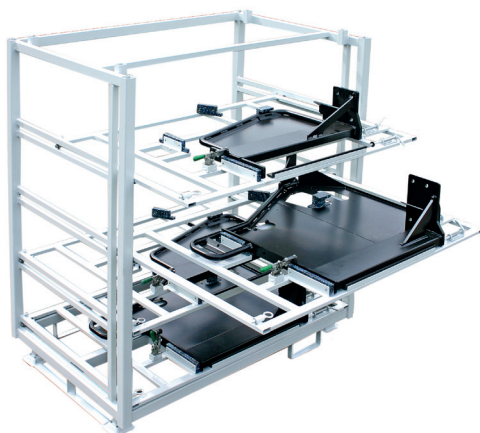


*FEIL load carriers are designed and implemented in close collaboration with our customers making them ideally suited for goods in transit. The load carriers are manufactured in the required quantity at our production facility only after successful test runs with prototypes.*





## Load carriers. The bodyguards of parts logistics.

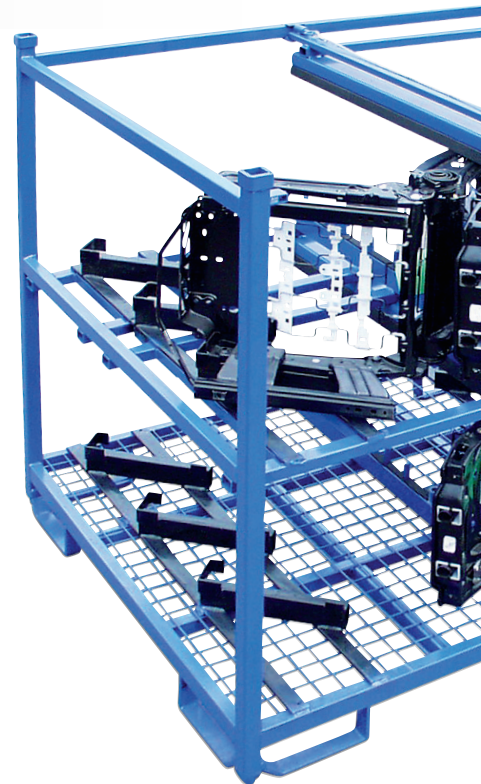
Whether for storage, delivery or internal logistics, FEIL load carriers are the ideal solution for the individual phases of the production and supply chains in a multitude of industries. Thanks to their stable and intelligent construction, they ensure optimal handling both during transport and at individual workplaces. Furthermore, they provide the best protection for goods in transit and improve the safety of your employees.

The load carriers from FEIL meet the highest quality requirements. Made with hand-picked materials and components, they are designed for a long service life, heavy loads and smooth operation throughout. In contrast to many other systems such as cardboard or wood

packaging, FEIL load carriers combine a multitude of different advantages.

### The advantages at a glance:

- Optimized packing density
- Ideally adjusted racks
- Considerable freight cost savings
- Long service life
- Easy and safe handling
- Easy loading and unloading
- Space saving at the assembly station
- No packaging waste, no disposal costs





FEIL post pallets are multi-stackable load carriers used for cost-saving modular block storage tailored to requirements. Torsion-resistant base units and plug-in pipes of different lengths ensure the optimal usage of space and height. FEIL post pallets can be effortlessly adapted to changed requirements at any time.

The post pallets are assembled on the basis of a simple connector system without dowelled joints, ensuring optimal stability at all times. All components are zinc-plated for weather-resistance and high durability. FEIL post pallets are particularly suitable for Euro and industrial pallets and can be stacked up to a total height of 6 metres in warehouses and up to 4 metres in open-air storage areas.

#### The advantages at a glance:

- Multi-stackable load carriers
- Optimal use of space and height
- Mobile storage system
- High level of stability
- Adaptable for changing requirements
- Connector system for trouble-free construction
- No dowelling required



Post pallet

## FEIL post pallet.

## The cost-effective block storage with a system.



Post pallet



Sewer pipe rack

## FEIL sewer pipe racks. Easy storage and picking.

Using this FEIL special pallet system, a wide range of pipes (KG, SML, HT, PE, etc.) can be stored with minimum space requirements in multiple pallets stacked on top of each other. Once the complete packages have been simply lifted into the empty pallet using a forklift truck and the transport packaging straps have been opened, the individual pipes can be easily removed lengthwise at any time.

### Technical details

Dimensions of 3 - 5 m  of 6 m  of 2 m	1300 mm internal measurement x 2400 mm for pipe lengths
	1300 mm internal measurement x 3500 mm for a pipe length
	1300 mm internal measurement x 1000 mm for a pipe length
Usable height	with a grid floor
	1300 mm, variable upon request

### Many advantages at a glance:

- No ground anchoring required
- Mobile installation possible, no assembly costs
- Low space requirement thanks to the stackability of opened packing units
- Loading using a forklift possible, no manual reloading)
- All pipe lengths can be stored in only than two or three different pallet sizes
- Vertical support tubes for space-saving stacking when empty
- Low transport costs for empty pallets
- Easy stacking thanks to self-centring circular bases
- All-purpose (can also be used for wooden palisades etc.)



FEIL mobibloc® is a universal storage system which can be used as a mobile pallet rack, as a pallet box for block storage or even directly as a load carrier, e.g. for large volume goods. It does not need to be secured to the floor and can therefore be installed on any level and stable surface with little effort.

FEIL mobibloc® is easy to handle, provides an increase in capacity at any time and is thus ideally suited for quickly bridging short and medium-term capacity shortages. Pallets with seasonal goods, pressure-sensitive block stacking goods consisting of identical items or containers

(casks, drinks, tyres, etc.) can thus be stored without a problem. Thanks to the star-shaped frame bracing, FEIL mobibloc® is not just limited to Euro pallets but can also be used for other pallet sizes.

## FEIL mobibloc®.

### Flexible block storage and load carrying in one.





FEIL mobibloc®  
Base frame with 4 vertical support tubes



Base frames can be stacked to save  
space for transportation

**mobibloc®**

#### Technical details

Dimensions size	1200 x 2150 mm external measurement = module size
Shelf width	1900 mm
Usable height	1200 mm = Standard (any other usable height up to a max. of 2100 mm can be freely chosen with no surcharge)
Load capacity	Max. 3 t per level, depending on the actual usable height
Stackability	4 for usable height of 1200 mm, otherwise more or less depending on the usable height selected,
Model	max. upper loading level in a hall 6000 mm, in an open-air storage area 4000 mm
the	multi-stackable twin load carrier, consisting of an inherently stable, torsion-resistant base carrier and 4 pluggable vertical support tubes per base carrier which are adjusted in length (height) according to
Surfaces	actual requirements, 2 guides for the forklift per long side phosphatised base carrier, blue powder-coated RAL 5010 or galvanized with surcharge, vertical support tubes usually galvanized





*Lattice box conforming to UIC 435-3*



*Half height lattice box*

# FEIL standard lattice boxes.



*Foldable lattice box*





*Foldable lattice box*



**High loading capacity and load  
dimensions according to  
customer requirements**



*Sheet metal container*



*Sheet metal container*





## FEIL standard lattice stacking frames.



*Galvanised lattice stacking frame,  
folded up*

*Galvanised lattice stacking frame,  
high loading capacity and load*



*Standard lattice stacking frame*



**FEIL long goods frames.**  
**Perfect for your block or**  
**picking storage.**

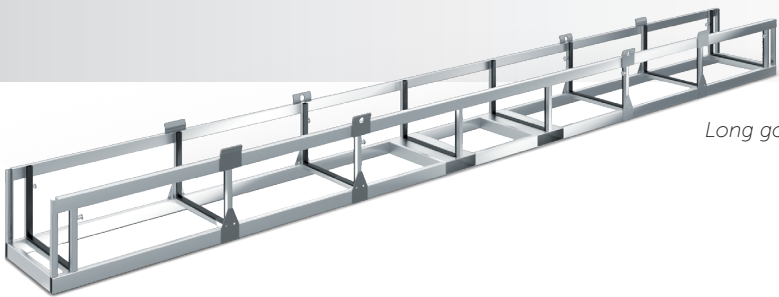
FEIL long goods frames are especially designed for the storage and transportation of unstable cargoes such as special section tubes, steel bars and sectional aluminium or plastic. The stable framework constructions and the galvanised surfaces ensure excellent stability, durability and weather resistance. In addition, maximum transport security is guaranteed thanks to the infeed channel.

The stackable, craneable and/or nestable models can be combined with optional equipment such as isolation pads for the storage of sensitive goods.

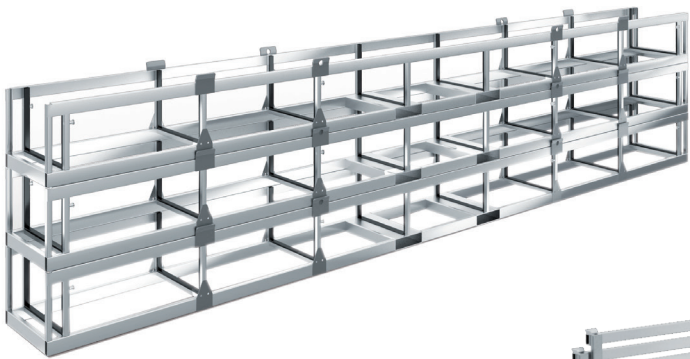
Sizes between 3000 mm and 12000 mm are deliverable as standard. We are happy to manufacture suitable frames, individual models and large quantities for you upon request.



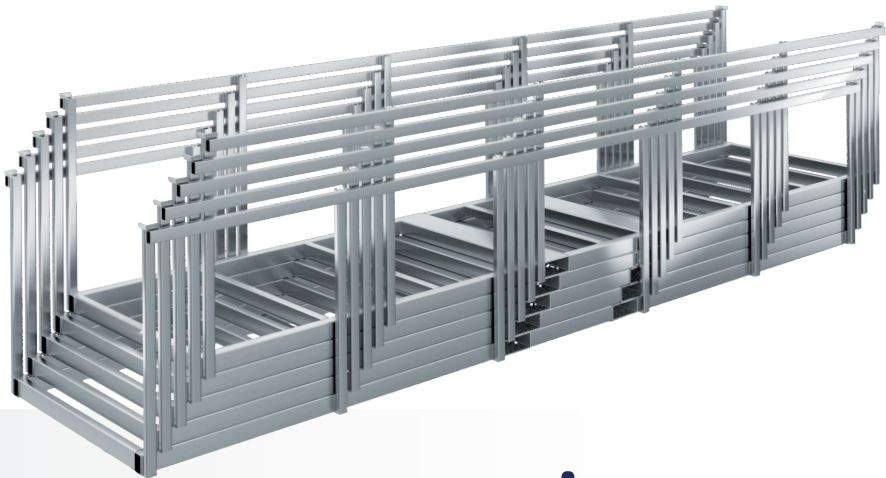
**FEIL long goods frame special load carriers.**



*Long goods frame*



*Long goods frame, nested*

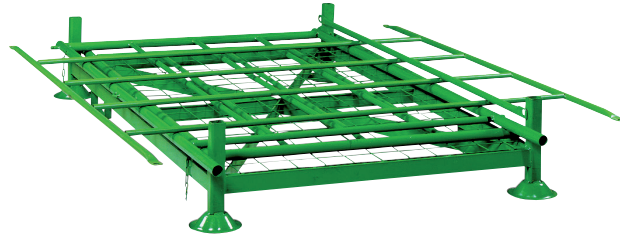


*Long goods frame, stacked*





*Insulation pallet, stackable*



#### Technical details

Loading capacity 500 kg per pallet.  
Load dependent on the desired usable height.  
Stackable to a maximum of 3 high (for a usable height of 2200 mm)  
or 4 high (for a usable height of 1600 mm).

## FEIL standard insulation pallets.



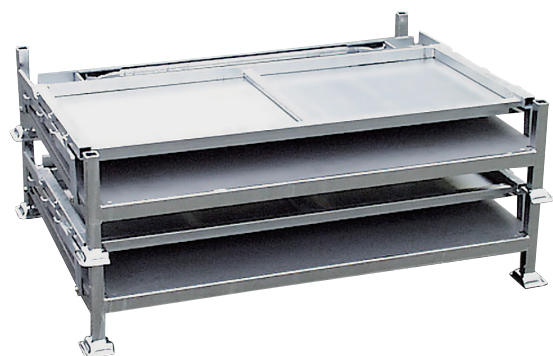




## FEIL standard textile rolling bases.



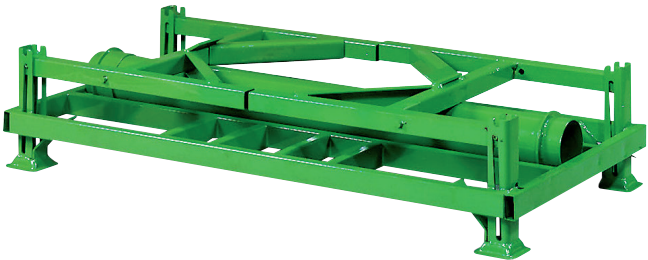
*Textile rolling base, collapsible*







*Film roll frame  
hanging roll storage*

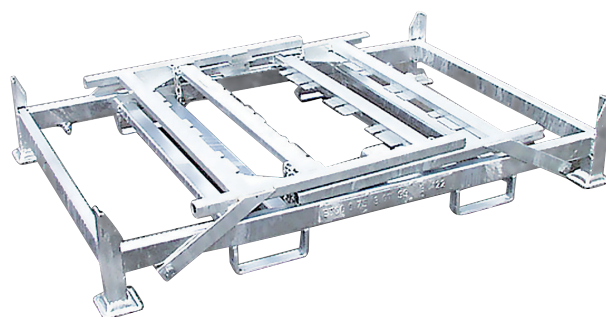


*Film roll frame, collapsible,  
stackable, rigid and nestable models also available*

# FEIL film roll frame special load carriers.







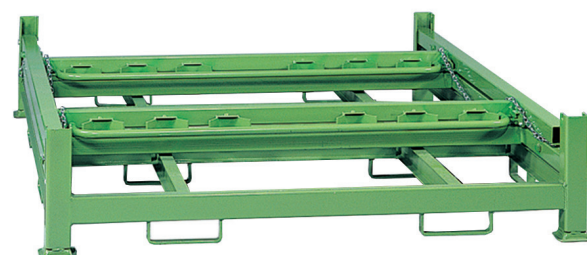
*Film roll frame, collapsible, for multiple rolls, individually adjustable*





*Horizontal in plane storage or sheet metal prism*

## FEIL film roll frame special load carriers.

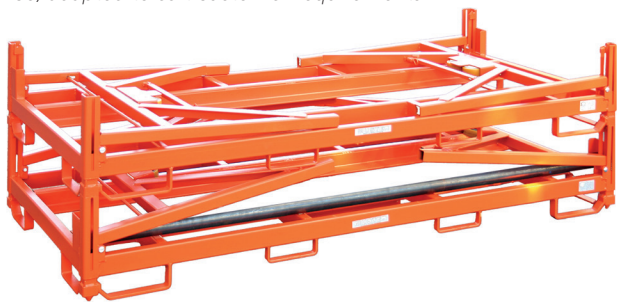


*Film roll frame, collapsible*





*Braked or unbraked unwinding device, adapted to suit customer requirements*



*Rolling frame, collapsible*







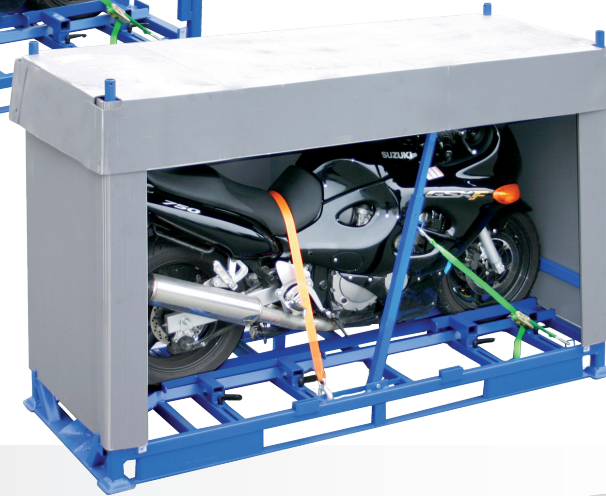
## FEIL motorcycle special load carriers.

*Motorcycle load carrier loaded, ready for loading and folded up for space-saving empty transportation.*





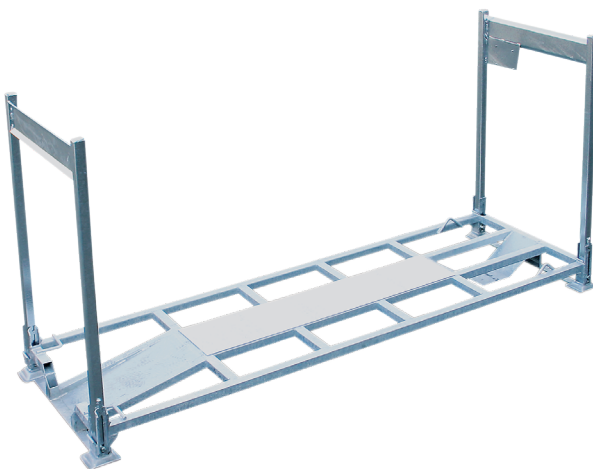
*Motorcycle load carrier*



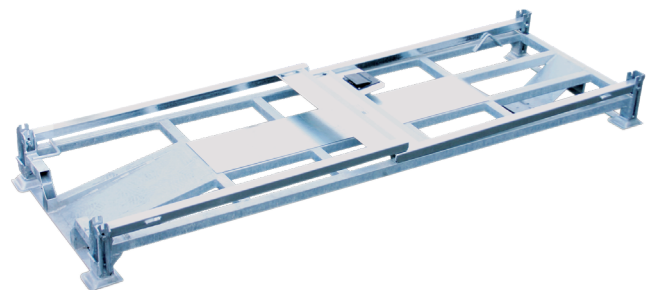
*Motorcycle load carrier, closed*



*Motorcycle load carrier, folded up*



*Galvanised load carrier, collapsible*







# From the first sketch to the finished product.



We focus on the individual requirements of our customers from the very beginning. More complex applications often require customized solutions rather than standard systems.

All load carriers need to be integrated into the operational processes of our customers and their internal logistics in the best possible way. Our objective is to optimise your material flow and find intelligent solutions to, ultimately, increase the efficiency of your processes. We visualize our proposed solution to you using a 3D model and, together, work out the full solution to achieve the maximum efficiency.

## FEIL solutions offer you more

- Customized solutions based on a comprehensive process analysis
- Visualization with 3D CAD models
- Extensive test and fine-tuning processes working with prototypes until we produce the perfect solution
- Solutions based on decades of experience in the industry and our wide-ranging competence in logistics
- Optimized packing density for your components, reducing transport costs significantly
- Special load carriers for fully automated processes
- The best protection for your transport goods
- High level of quality assurance to support every project



## CONSULTING

Storage, delivery and internal logistics – we are happy to make our decades of experience and expertise in these fields available to your company. Our consulting service is centred on providing efficient logistics and maximum profitability by identifying the most appropriate standard or customized solution.



## ANALYSIS

We take a close look at the situation together with you. You know exactly the internal and external logistics requirements you have, and we know how to make processes more efficient. Working in close coordination with you, we analyse the different stages of the production and supply chains and coordinate them in the best possible way with FEIL systems solutions.



## DEVELOPMENT

Based on this analysis, our designers get to work and visualize their proposals using 3D CAD models. Once we have chosen the right model, we make prototypes and test their functionality together with you at your production facilities. We fine-tune the prototypes to perfection to arrive at your customized solution.



## PRODUCTION

Quality is one of our top priorities. Production of your customized solution commences once we have mutually approved series production. We exclusively use high-quality, long-lasting materials. The rigorous ongoing monitoring of our production processes ensures the highest levels of precision and quality. And we will continue to support you as your reliable partner once your customized solution is in place.

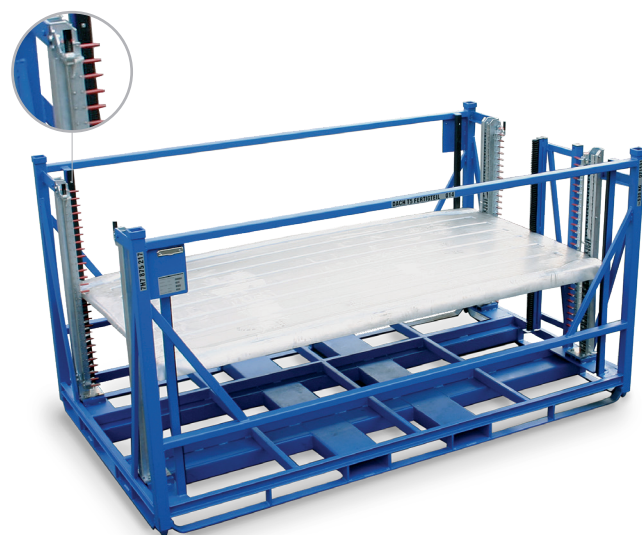
# Efficient logistics processes. We listen, then design, then build.

FEIL GmbH

Westring 20  
D-33142 Büren

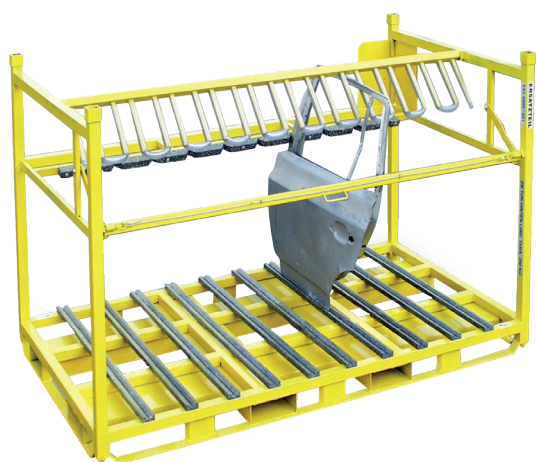
Phone +49 (0) 2951 / 93 99 0  
Fax +49 (0) 2951 / 93 99 111  
[www.feil.eu](http://www.feil.eu)  
[info@feil.eu](mailto:info@feil.eu)



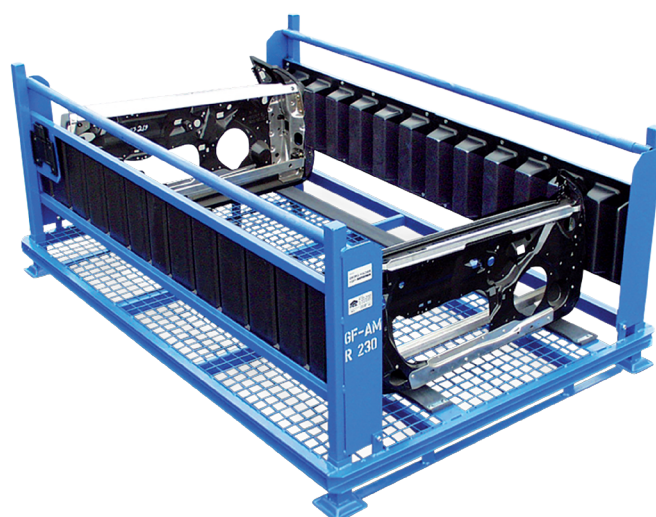


*Transport rack for vehicle roofs  
with handle columns for robot loading and unloading*

## FEIL automotive/agricultural and construction machinery

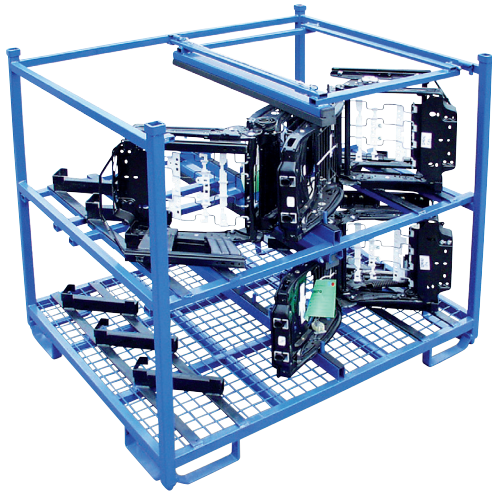


*Special load carrier for doors*

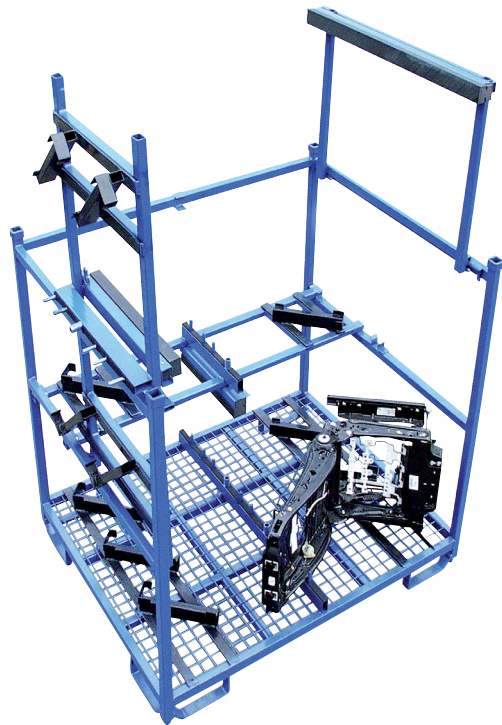


*High packing density, stackable, ergonomic*





*Transport rack for car seats*



*Special load carrier for vehicle seats*



*Seat „kit“ for back seats and front seats in one frame*





*Transport rack for instrument panels*



*Transport box for moulded skins*

## FEIL automotive, agricultural and construction machinery

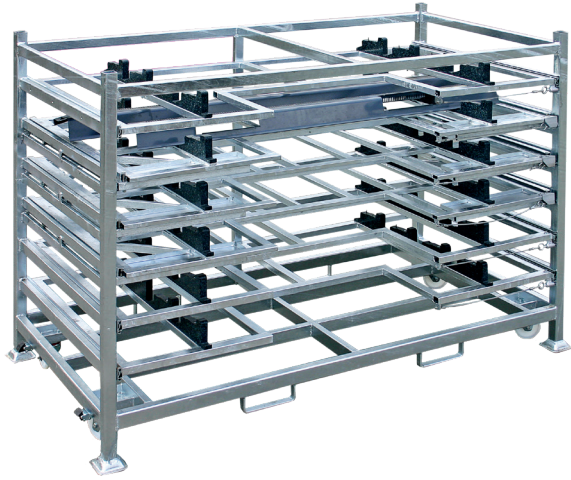


*Special load carrier for moulded skins*

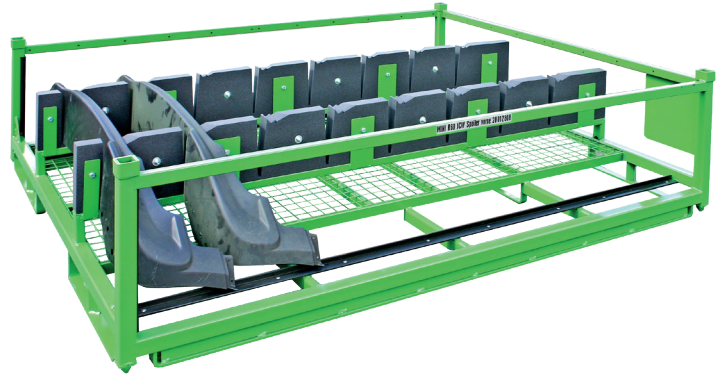


*Nested one inside another to save space and opening upwards*

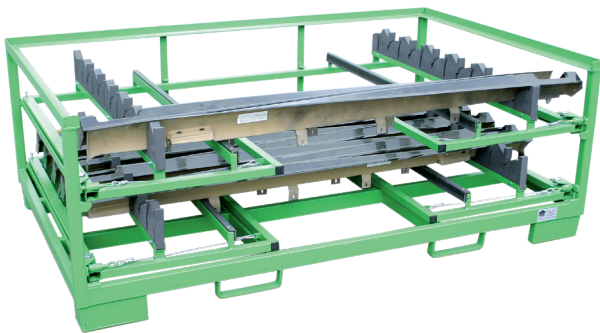




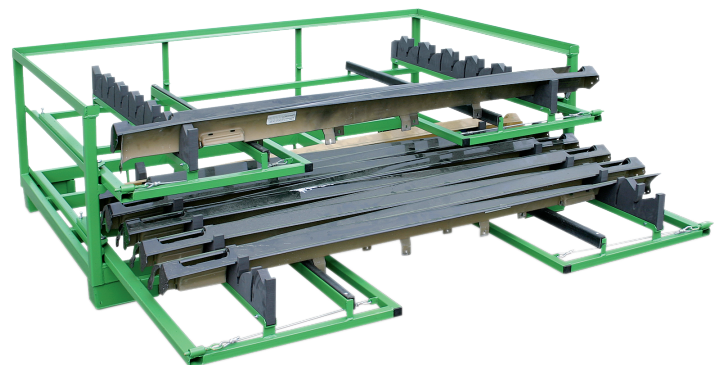
*Drawer rack for rocker panels  
in contour receptacles made from PE*



*Special load carrier for spoilers  
in foam receptacles*



*Drawer rack for rocker panels*



*Drawer rack for rocker panels,  
open*





*Special load carrier for sensitive parts, fully closed*



## FEIL automotive, agricultural and construction machinery



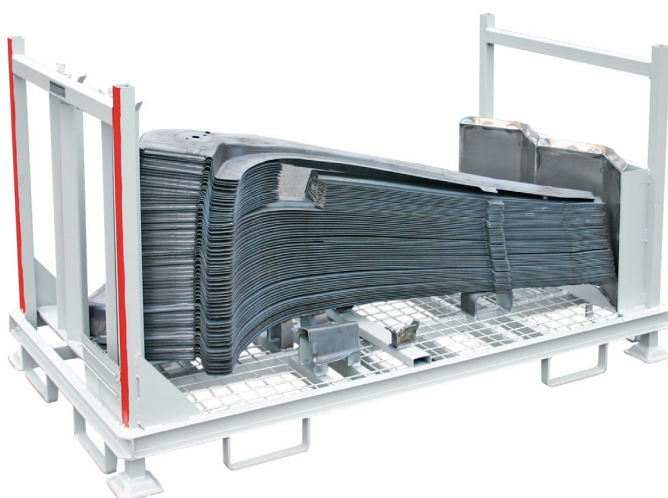
*Hollow chamber profile compartments for sensitive body parts*



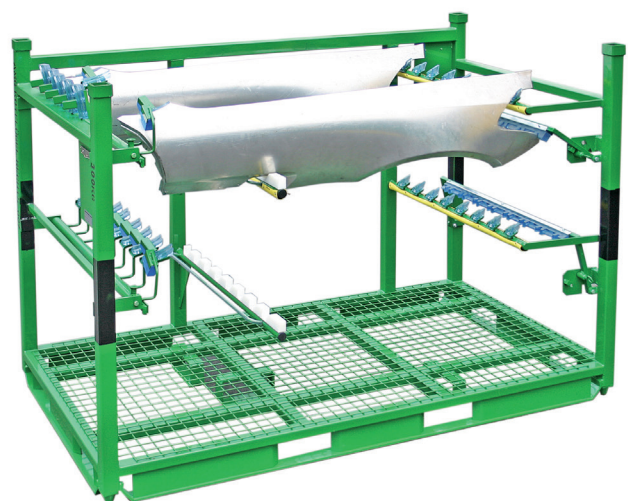
*JIS frame for interior parts*



*Special load carrier for centre consoles, open*



*Robot frame for A, B or C columns*

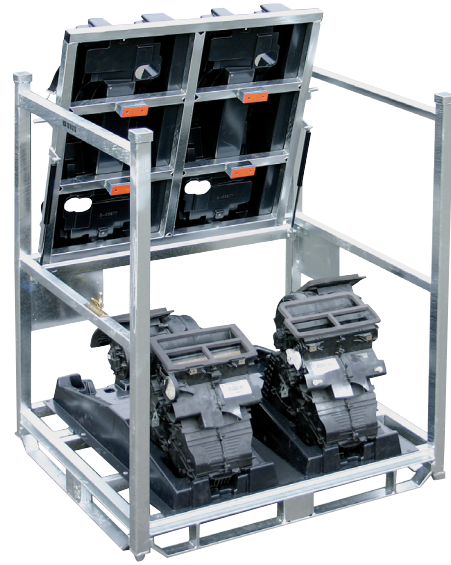


*Special load carrier for mudguards in their unfinished state*



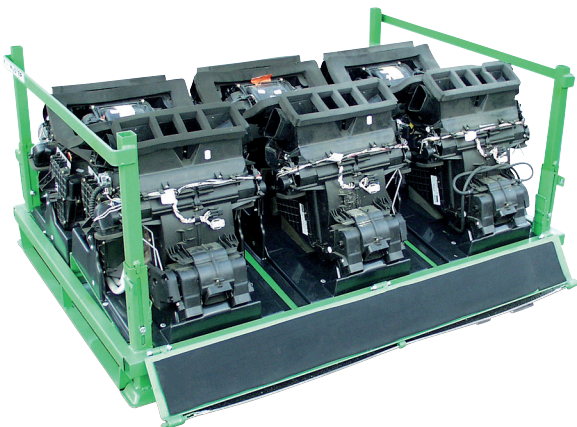


*Transport rack for air conditioning systems*

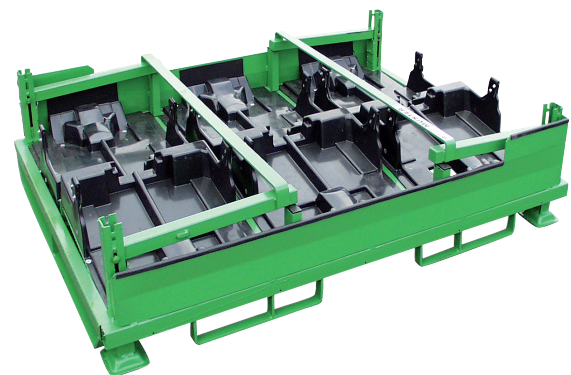


*Transport rack for air conditioning systems,  
open*

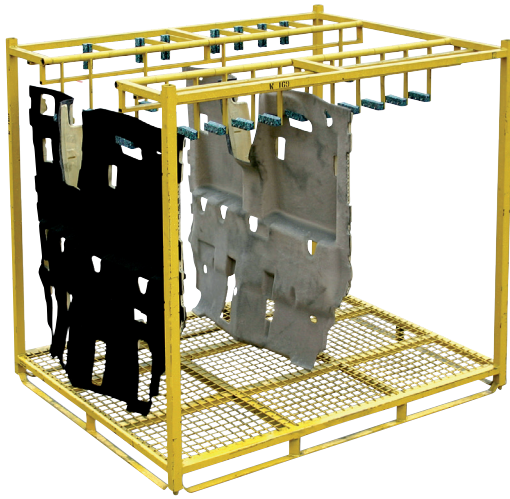
## FEIL automotive, agricultural and construction machinery



*Transport rack for automotive air conditioning  
systems*



*Transport rack for automotive air conditioning  
systems,  
folded*



*Transport rack for automotive interior cladding*



*Special load carrier for crankshafts on anti-slip coated plastic trays*



*Storage and transport systems for steering wheels*



*Storage and transport box for steering wheels, open*





*Flexibly usable frame for cut sheet metal*



*Transport racks for engine mounts*

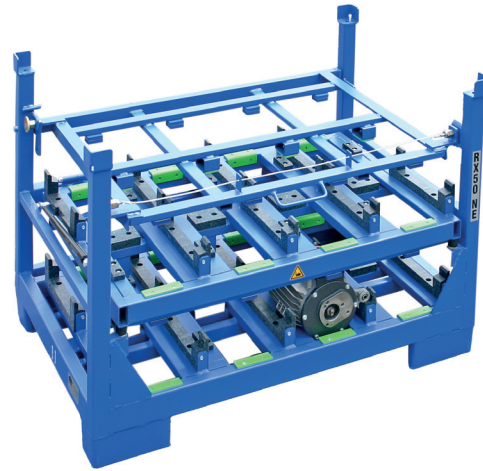
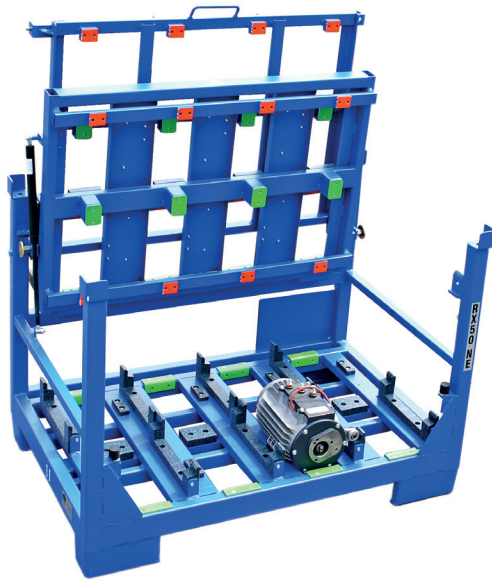
# FEIL automotive, agricultural and construction machinery



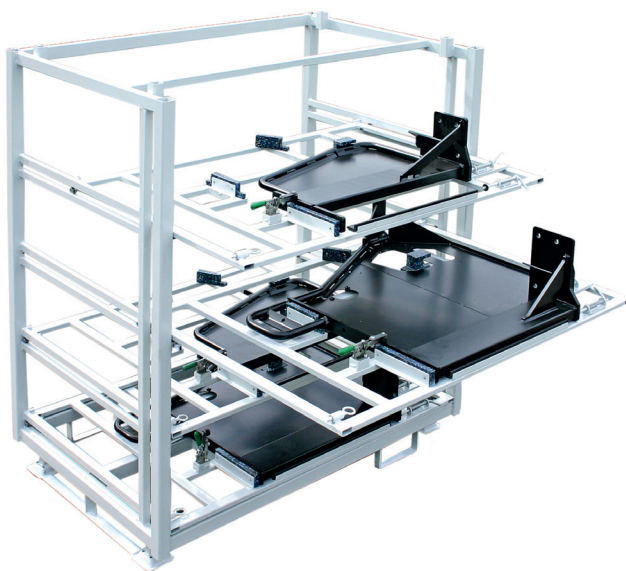
*Bag frame for various automotive parts, with cover*



*Transport racks for various glass panels*



*Special load carrier for hydraulic machinery for industrial trucks*



*Drawer rack for tank supports*





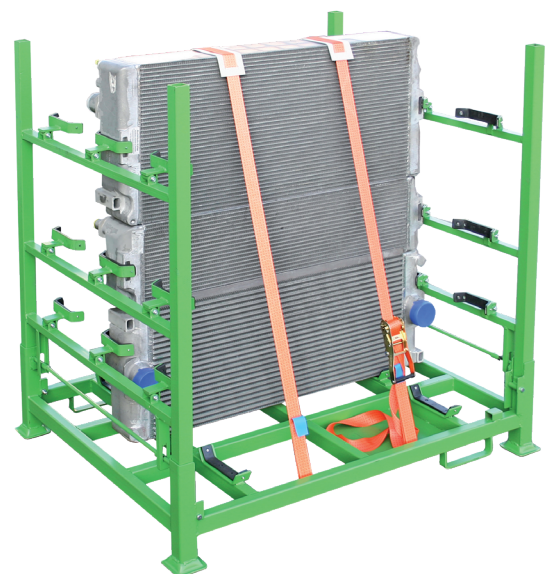


*Special load carrier for coverings for railway carriages*

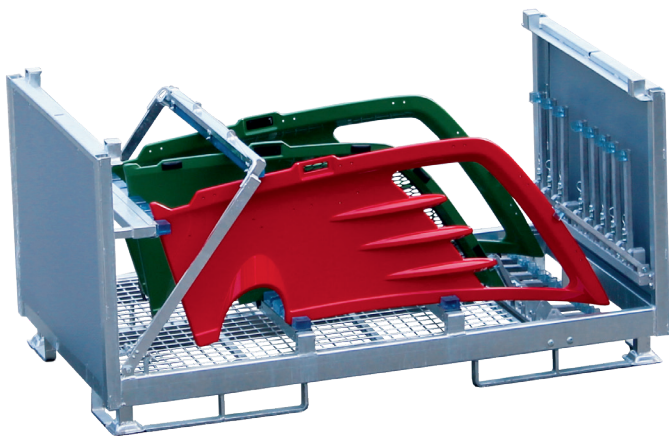
## FEIL automotiv, agricultural and construction machinery



*Transport rack for large enclosure panels for agricultural machinery*



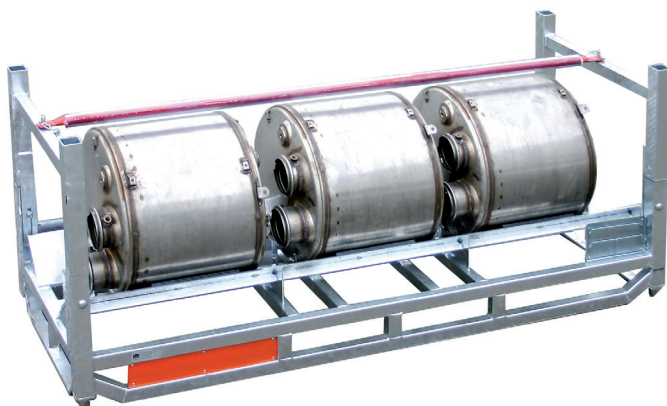
*Special load carrier for radiators for agricultural machinery*



*Special load carrier for various bonnet add-on components*



*Flexible frame for various tractor engine covers*



*Special load carrier for lorry tailpipes with plastic and stainless steel for storage after welding and for subsequent transportation*



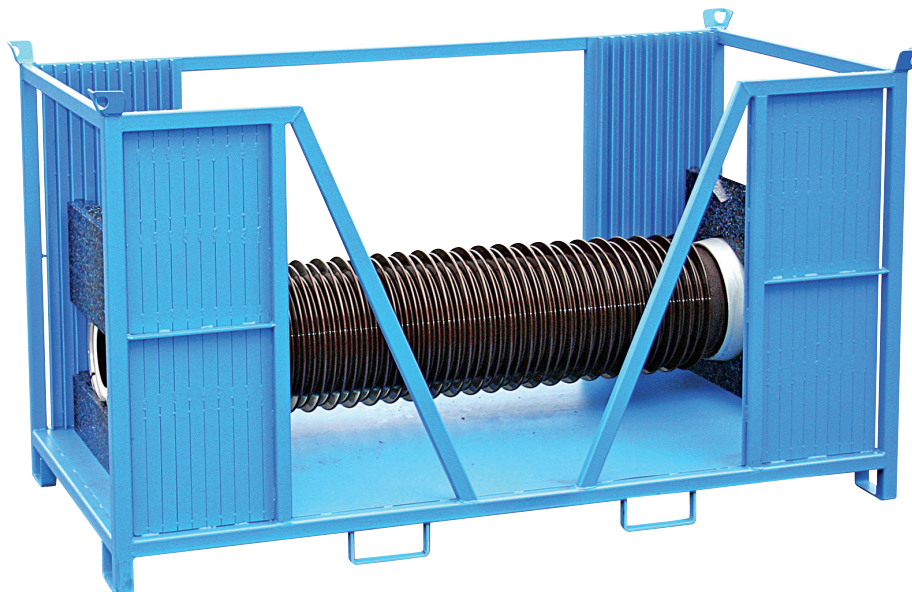
*Special load carrier for tanks*



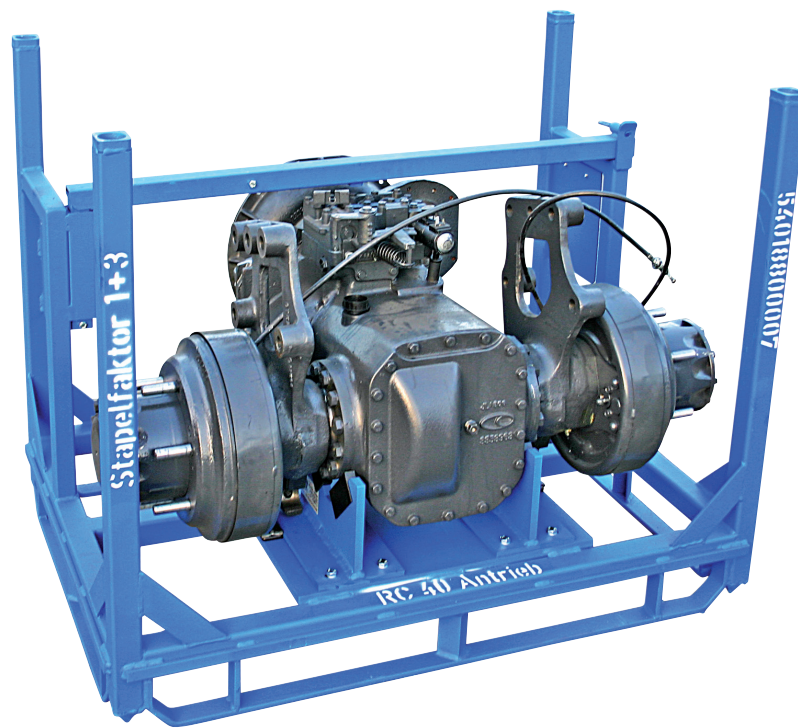


*Special load carrier for various isolators, porcelain switches or circuit breakers, in an upright position*

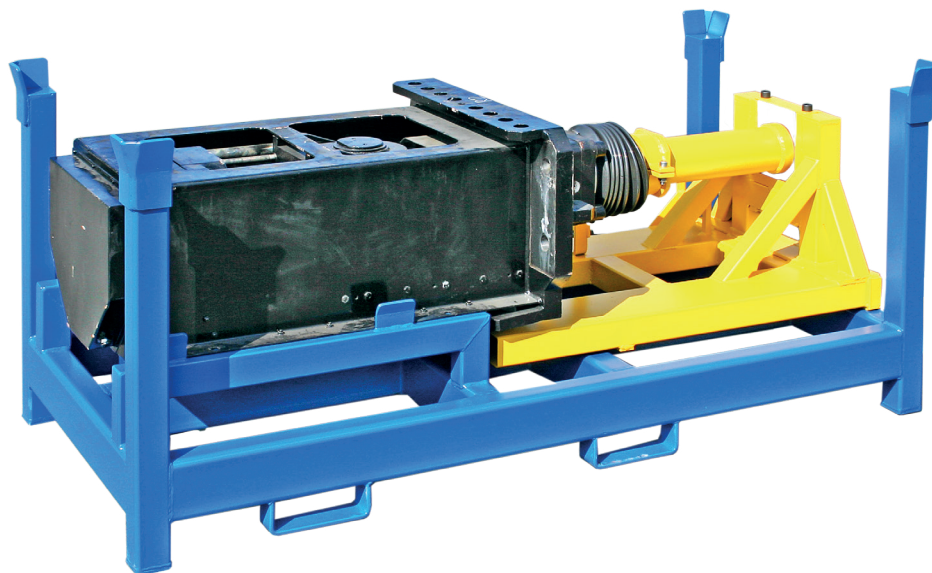
## FEIL automotive, agricultural and construction machinery



*Special load carrier for various isolators, porcelain switches or circuit breakers, lying down*



*Special load carrier for drive shafts  
for industrial trucks*



*Special load carrier for train couplings*