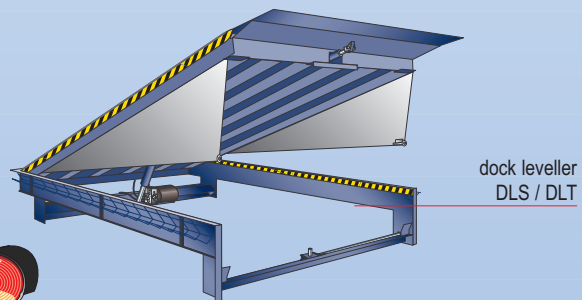
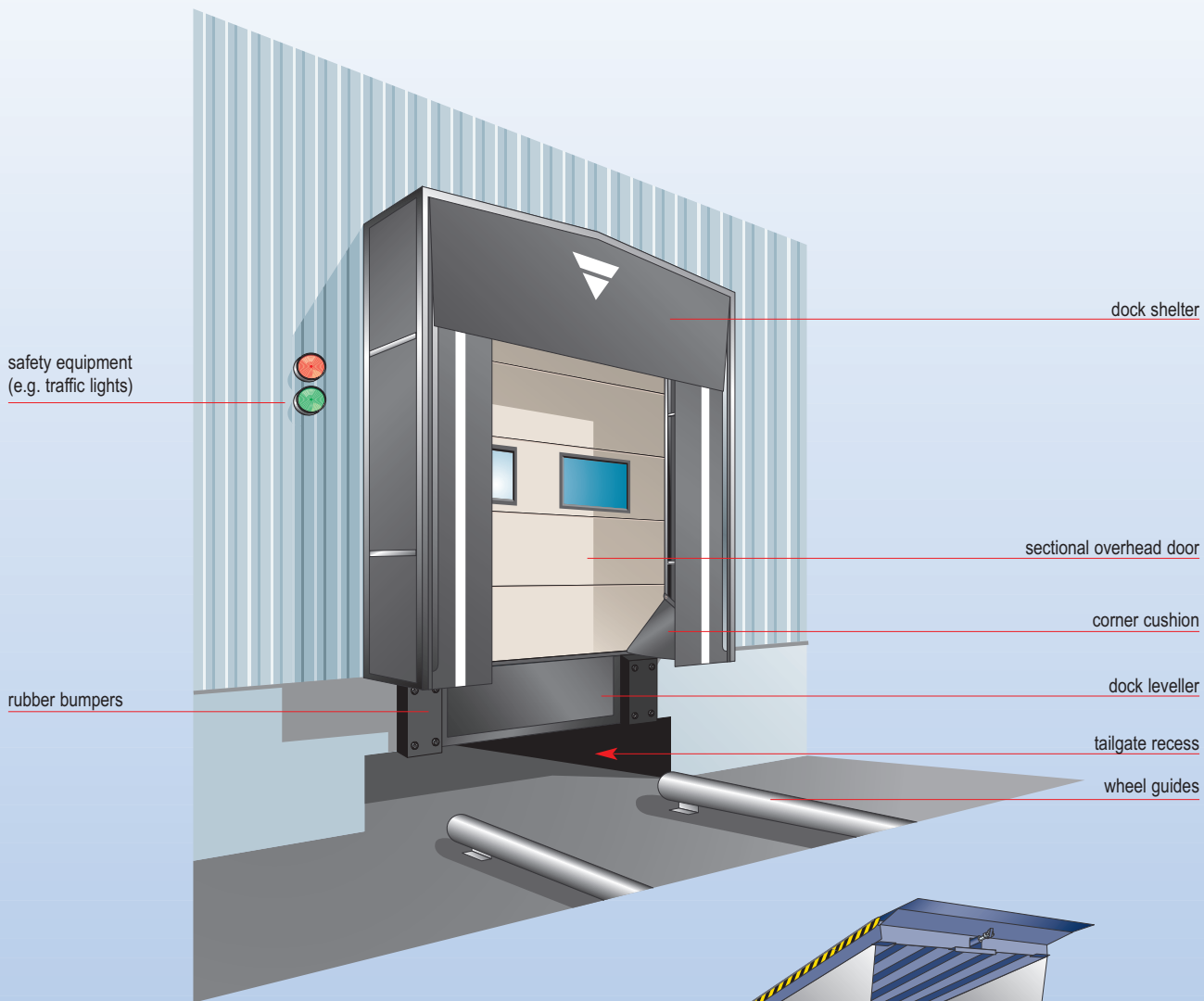


Dock Unit

complete loading and unloading solutions



Features

The dock unit consists of products that are required for loading and unloading in goods inwards and despatch areas, such as:

- dock leveller
- dock shelter
- industrial door
- protective consoles and bumpers
- wheel guides
- safety devices.

A Novoferm dock unit consists of a number of products that are required for loading and unloading in goods inwards and despatch areas. Products, which enhance speed, safety, efficiency and employee comfort when loading and unloading goods.

The dock unit is made up of the following main components

- a product that bridges height differences between the workfloor and the vehicle floor
- a product that creates a seal between the vehicle body and the door opening in the side of the building during loading and unloading
- a sectional overhead door
- protective products
- safety devices.

Products that bridge height differences

This product allows materials handling equipment to drive in and out of the vehicle safely and without delays. Novoferm's range includes:

- removable dock boards
- hinged, fixed dock boards
- hinged dock boards with balance springs
- hydraulic pivoting lip dock levellers
- hydraulic telescopic lip dock levellers
- scissor lifts.

Products that create a seal between the vehicle body and the door opening

These products protect goods and employees against rain, draughts and cold, while keeping energy loss to a minimum. Novoferm's range includes:

- fixed front dock shelters
- aluminium-framed, telescopic dock shelters
- steel-framed telescopic dock shelters
- dock seals with a fixed or adjustable horizontal cushion.

Industrial doors

These close the opening off when no loading or unloading takes place. Novoferm's range includes:

- Thermo 45 insulated sectional overhead doors.
- Prisma 45 fully glazed sectional overhead doors.
- Highspeed 45 rapid-action sectional overhead doors.
- roller shutter
- fast folding doors with rigid leaves.

Protective products

Products, which protect the installed dock equipment from the effects of collisions. Novoferm's range includes:

- heavy-duty rubber bumpers (various models)
- steel protective consoles (thermally galvanised)
- steel protective posts (thermally galvanised)
- steel wheel guides (thermally galvanised).

Safety features

Products which make loading and unloading safer. Novoferm's range includes:

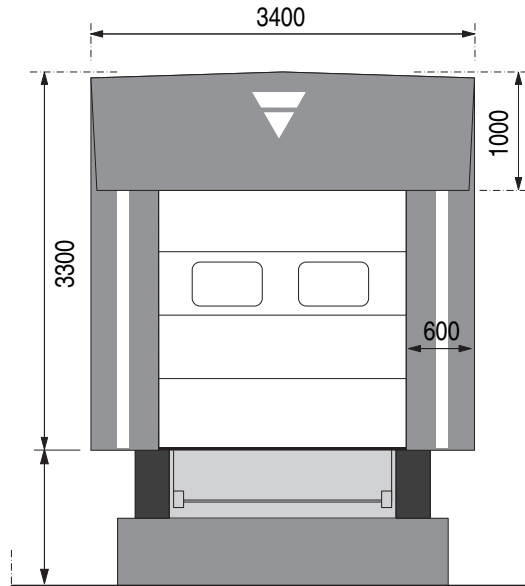
- traffic light systems
- wheel chocks (for positioning in front of the vehicle's tyres).

Structural requirements

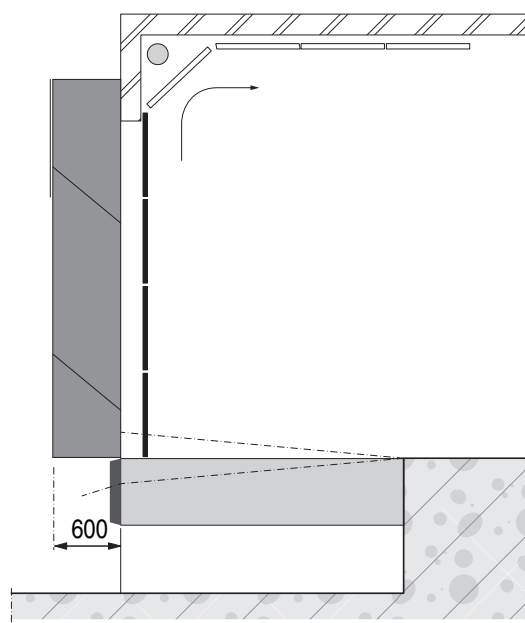
These are limited to:

- a sufficiently strong and even mounting surface on the outer face of the building where the dock shelter or dock seal is to be installed
- mains electricity supply for the leveller (3N~400V/50Hz/10A).

Refer also to our separate data sheets relating to the products in question.



Front view

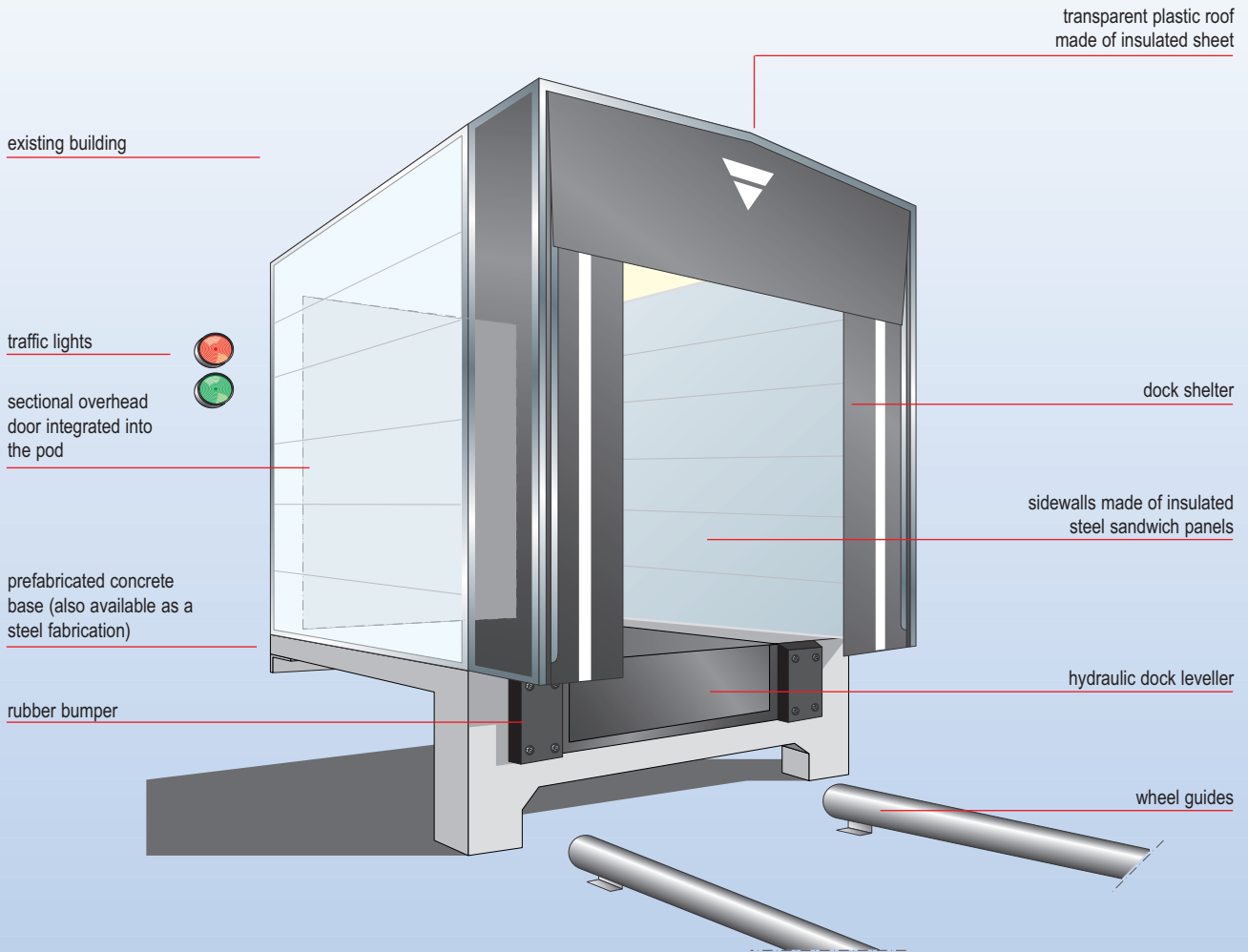


Section

(example of a possible combination)

Dock pod

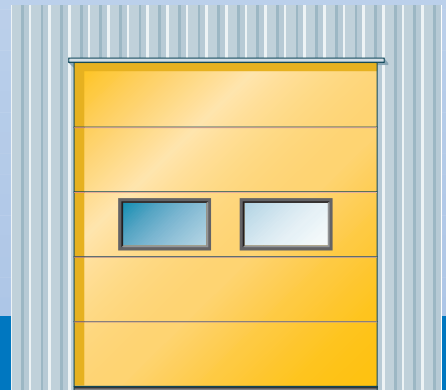
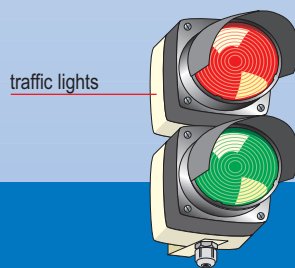
stand-alone loading/unloading unit



Features

The dock pod is composed of products that are required for loading and unloading in goods inwards and despatch areas, such as:

- dock leveller
- dock shelter
- industrial door
- protective consoles and bumpers
- wheel guides
- safety devices.



Insulated sectional overhead door with 2 windows, available in a wide choice of RAL colours



Novoferm's dock pod is a free-standing construction, which incorporates all the products needed for loading and unloading in goods inwards and despatch areas. The dock pod is designed to be installed in its entirety in front of a building (this applies to both new construction and existing buildings).

The dock pod is made up of the following main components

- the pod itself (base and top structure)
- a product that bridges height differences between the workfloor and the vehicle floor
- a product that creates a seal between the vehicle body and the door opening and forms a tunnel for loading and unloading
- an industrial door
- protective products
- safety devices.

The pod itself (base and top structure)

- base: this can be fabricated from steel profiles, however Novoferm has developed a purpose-designed base made of prefab concrete elements (maintenance-free, quick and easy to install, dimensionally stable and includes all mountings)
- top structure: as standard, the top structure is constructed from sandwich panel partitions, which can be fitted with windows or vision panels, and a roof made of insulated acrylic sheet. However, other materials such as Zincor sheet, corrugated sheet, etc. can be used.

Products that bridge height differences

This product allows materials handling equipment to drive in and out of the vehicle safely and without delays. Novoferm's range includes:

- removable dock boards
- hinged, fixed dock boards
- hinged dock boards with balance springs
- hydraulic pivoting lip dock levellers
- hydraulic telescopic lip dock levellers
- scissor lifts.

Product that create a seal between the vehicle body and the door opening

These products protect goods and employees against rain, draughts and cold, while keeping energy loss to a minimum. Novoferm's range includes:

- fixed front dock shelters
- aluminium-framed, telescopic dock shelters
- steel-framed telescopic dock shelters
- dock seals with a fixed or adjustable horizontal cushion.

Industrial doors

These close the opening off when no loading or unloading takes place. The industrial door can be installed at the front of the pod, or in the wall of the building (hot and cold pods, respectively). Novoferm's range includes:

- Thermo 45 insulated sectional overhead doors 45
- Prisma 45 fully glazed sectional overhead doors 45
- Highspeed 45 rapid-action sectional overhead doors
- roller shutters
- fast folding doors with rigid leaves.

Protective products

Products, which protect the installed dock equipment from the effects of collisions. Novoferm's range includes:

- heavy-duty rubber bumpers (various models)
- steel protective consoles (thermally galvanised)
- steel protective posts (thermally galvanised)
- steel wheel guides (thermally galvanised).

Safety features

Products which make loading and unloading safer. Novoferm's range includes:

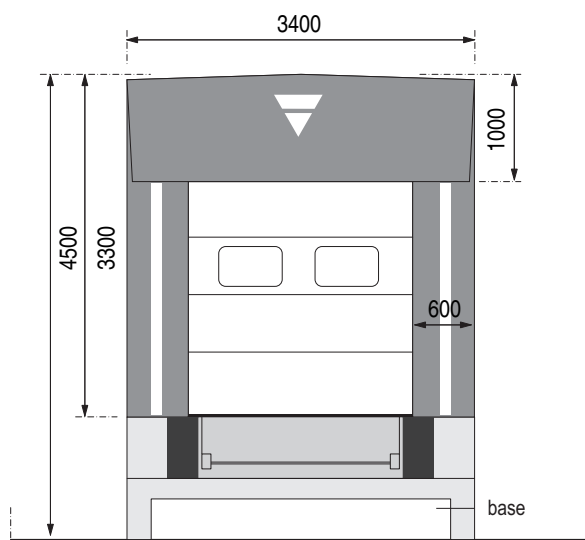
- traffic light systems
- wheel chocks (for positioning in front of the vehicle's tyres).

Structural requirements

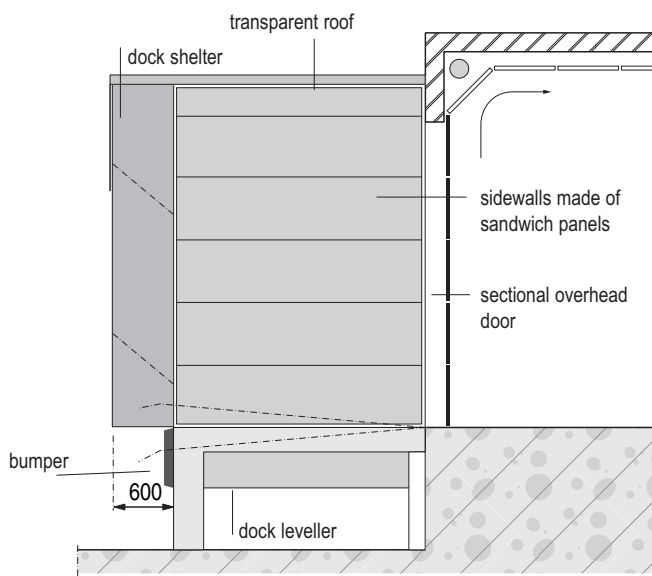
These are limited to:

- foundations for the front base element
- a support surface for the rear of the base
- angle profile at the edge of the loading platform floor for mounting .. the leveller
- a sufficiently strong and even mounting surface on the outer face of the building where the top structure is to be attached
- mains electricity supply for the leveller (3N~400V/50Hz/10A).

Refer also to our separate data sheets for the products in question.



Front view

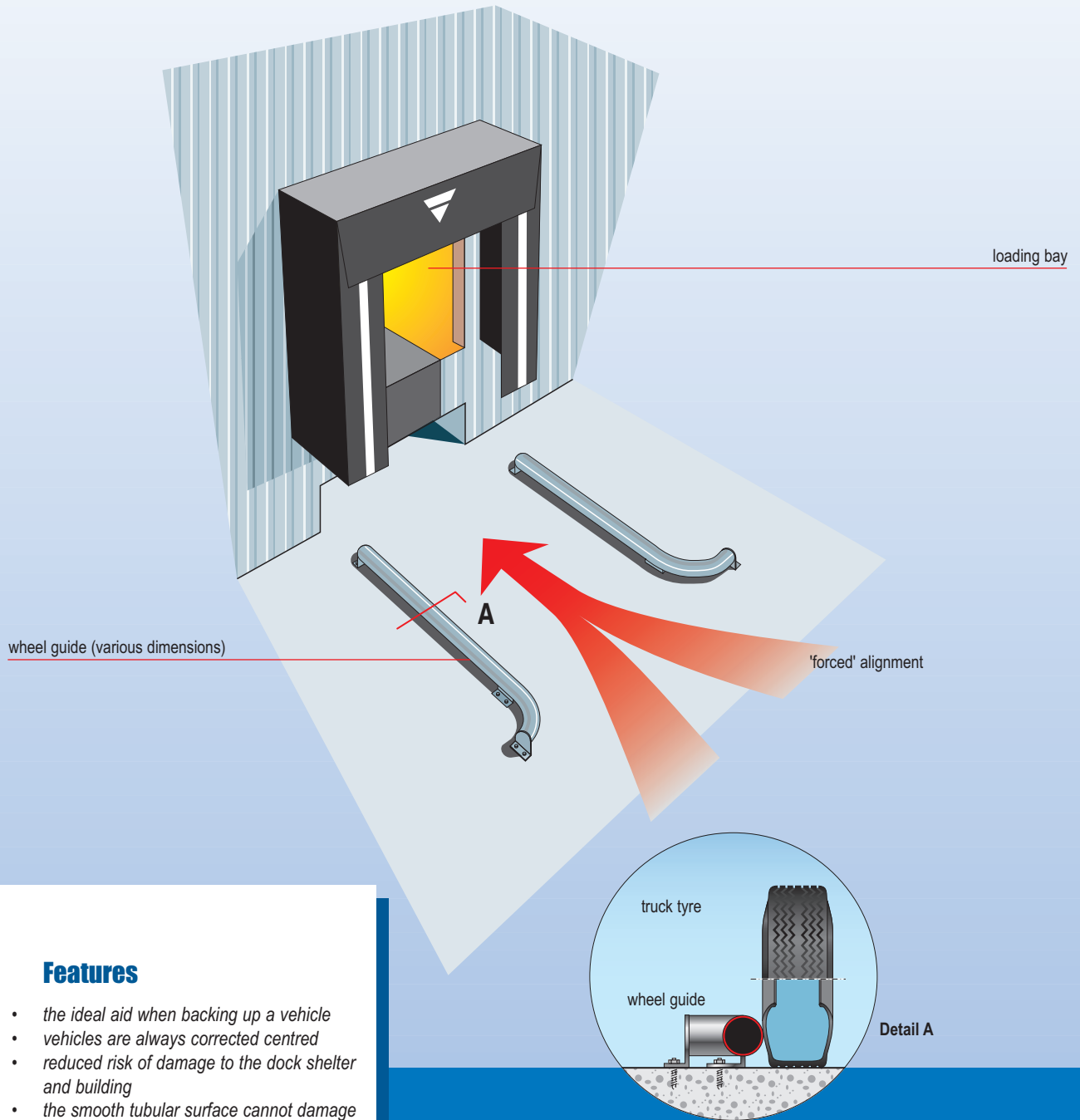


Side elevation

(example of a possible combination)

Wheel guides

A useful aid when docking



Features

- *the ideal aid when backing up a vehicle*
- *vehicles are always corrected centred*
- *reduced risk of damage to the dock shelter and building*
- *the smooth tubular surface cannot damage the vehicle's wheel rims and tyres*
- *can be bolted down or cast in place*
- *various models and finishes are available*
- *thermally galvanised as standard.*

The wheel guides centre and guide vehicles when backing up to the loading bay opening, thus reducing the risk of damage to products and the building.

Components and construction

Novoferm's wheel guides are of tubular construction and installed in the yard area in front of the loading bay opening. The dimension between the wheel guides is 2600 mm; this is the maximum permissible external wheel-to-wheel dimension for heavy goods vehicles.

Function

The tube dimensions and height above the surface when installed have been specifically chosen to avoid damage to wheel rims, while at the same time allowing the vehicle's tyres to mount the guide. This is not the case when concrete curbs or cast-in wheel guides are used.

Materials

- $\varnothing 160$ mm steel tube with elbow-piece.

Finish

- the wheel guides are thermally galvanised as standard.

Structural requirements

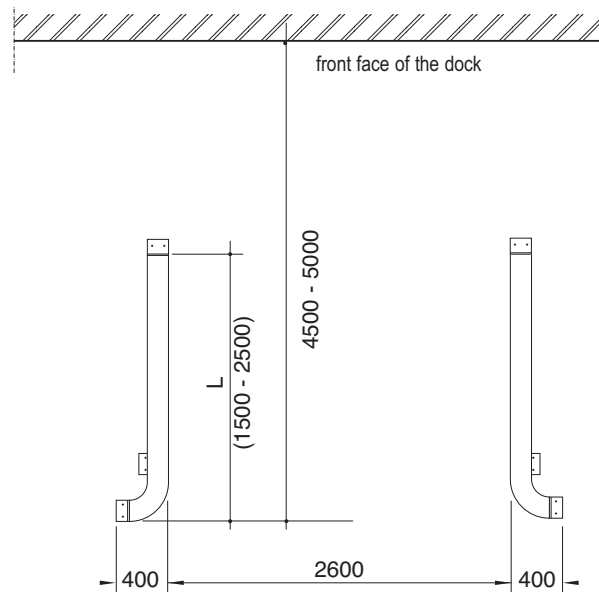
As the wheel guides are subjected to quite high loads, they must be located extremely securely.

The bolt-down models can only be used if the yard is surfaced with concrete. If the yard is tarmac-surfaced or paved, individual foundations (pedestal footings) are required (as a bare minimum).

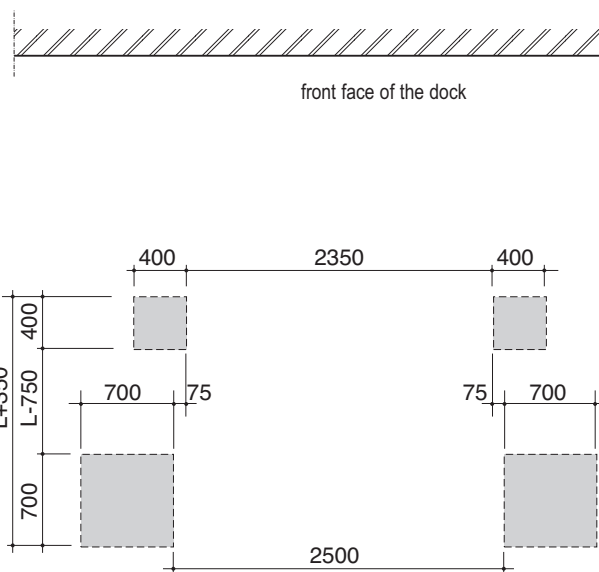
Design and dimensions

Various designs and dimensions are available. The method chosen depends on the situation on-site and the kind of vehicles that frequent the site.

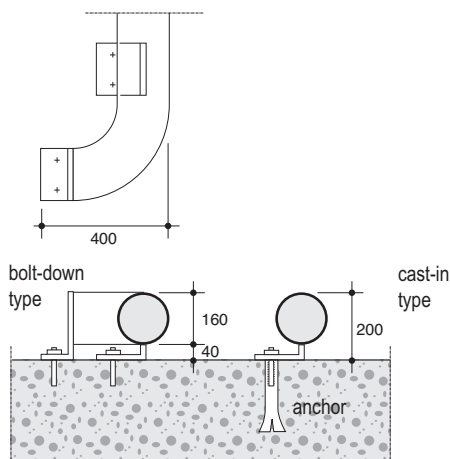
The standard design is illustrated here. Made to measure wheel guides are available for special circumstances or unusual vehicle sizes.



wheel guide position seen in plan view



footings position seen in plan view



Details