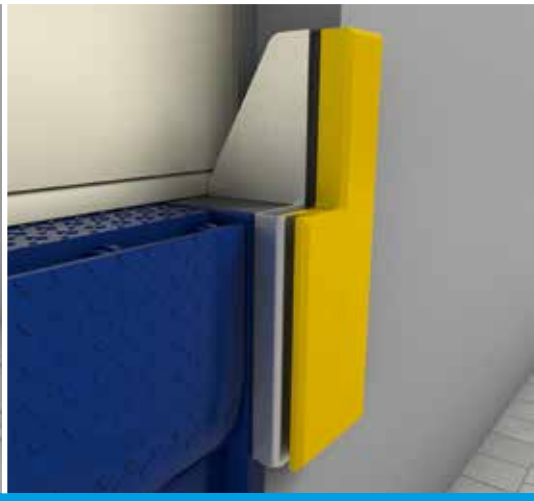
mydocking

NYTREX BUFFER SYSTEMS

SAFE, CONTROLLED AND INDESTRUCTIBLE



NYTREX – THE MAXIMUM LEVEL OF ERGONOMICS

As a material especially developed for application purposes, Nytrex is known for being almost indestructible.

Particularly for buffers, the material presents unique advantages. Besides the very good visibility for lorry drivers, the high stability with simultaneous glide results in very long durability. Under the same conditions, Nytrex lasts 7 to 10 times longer than rubber! Thus, a frequent replacement as well as repair costs for buildings and lorries become superfluous.

It goes without saying that the material is 100 % recyclable.

The comprehensive model programme includes various models for every application purpose.

MAKING THE RIGHT DECISION.

Planning costs in the long term

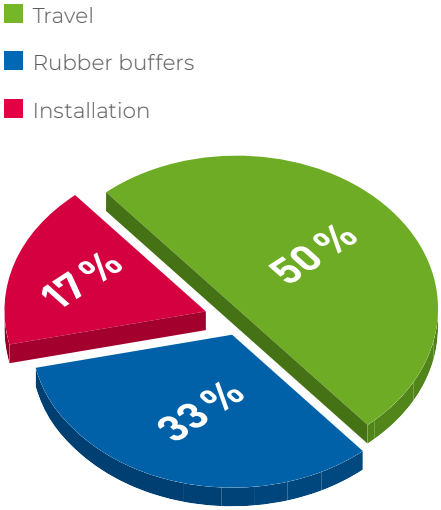
Costs play a major role when purchasing buffers. More often than not, mere product costs are used as a decision-making basis. The costs for the assembly and travel of an assembly unit are not taken into account.

Our example shows that this can lead to fatally wrong decisions. When exchanging a rubber buffer, only approx. 1/3 of the total costs are attributable to mere production costs.

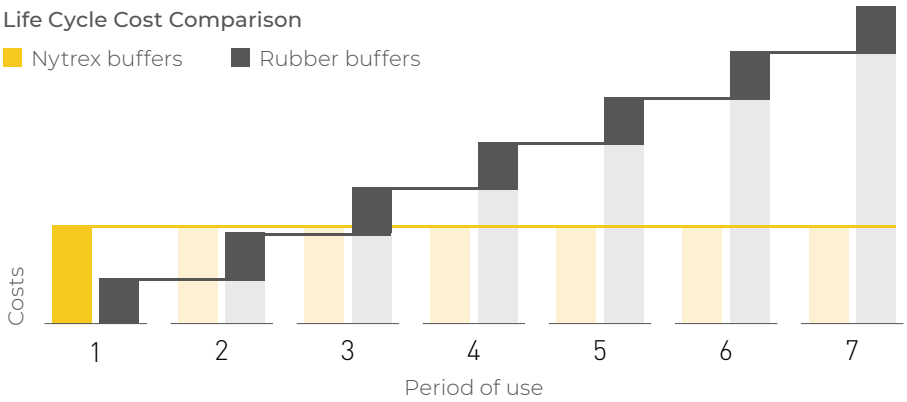
For a lower loading frequency, rubber buffer can be the right choice, however, for a higher frequency, other systems are much more cost-effective in the long term.

Thus, in many cases, e.g. a Nytrex buffer is already more cost-effective than a rubber buffer in the second period of use. This does not take into account any costs for damage to buildings which may occur as a result of a damaged rubber buffer. In any case, it makes sense to consider the Life Cycle Cost.

Total costs per period of use



Life Cycle Cost Comparison



Nytrex part is rotatable and thus doubly usable.

Nytrex part is rotatable and reversible and thus quadruple usable.

We select materials and resources carefully and supplement them with our own recyclable developments.

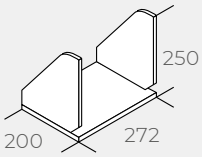
NOVOSLIDER

The unique design combines all important properties

Combining the excellent properties of the Nytrex material with a long suspension travel, the NovoSlider is very close to being the ideal buffer. The steel body is galvanised and is thus permanently protected against corrosion. Due to the lightweight rubber mat, the floating Nytrex material can safely absorb a maximum of 25 mm and follow the height movements of the lorry.

Product benefits

- Nytrex high-performance plastic in signal yellow
- Height-adjustable front part
- Spring deflection up to 25 mm
- Lasts 7-10x longer than rubber
- Suitable for high loading frequency



Back rest (mm)

Designs (mm)	2D	4D
NovoSlider 510 500 x 280 x 100	■	
NovoSlider 514 500 x 280 x 140		■
NovoSlider 710 750 x 280 x 100	■	
NovoSlider 714 750 x 280 x 140		■
TwinSet 7510 750 x 280 x 100 + 500 x 280 x 100	■	
TwinSet 7514 750 x 280 x 140 + 500 x 280 x 140		■

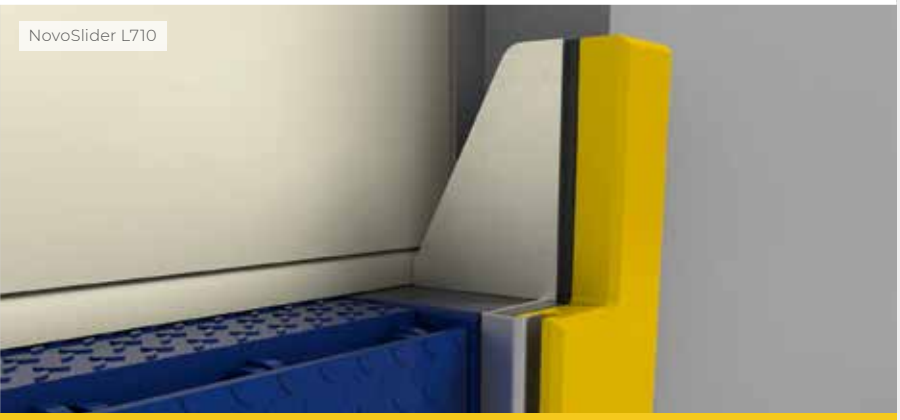
Evaluation

Building protection	★★★★★
Durability	★★★★★
Spring deflection	★★★★☆
Life Cycle Cost	★★★★★
Visibility	★★★★★

Overall rating: **24**

For further information on NovoSlider please refer to page 10.

NOVOSLIDER L



The perfect solution when using lorry swap bodies

During the docking process, lorry swap bodies have the disadvantage that they stand above ramp level due to the high support legs, quickly causing damage to buffers, dock levellers, and especially to the gates. For this reason, buffers that protrude above ramp level (e.g. Nytrex F708 or F713) are often mounted on these loading bays. Depending on the transported goods, this may cause difficulties during loading and unloading because the full width of the lorry and/or the swap body cannot be used. This is where NovoSlider L comes into play. Its lateral notches make it possible to use the full width of the lorry. The drive-over protection is maintained. All further advantages of the NovoSlider also apply to this model.

Designs (mm)	2D	4D
NovoSlider L710 750 x 280 x 100		
NovoSlider L714 750 x 280 x 140	■	

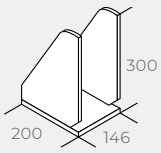
Product benefits

- Nytrex high-performance plastic in signal yellow
- Height-adjustable front part
- Spring deflection up to 25 mm
- Lasts 7-10x longer than rubber
- Suitable for high loading frequency
- No limitations when loading swap bodies

Evaluation

Building protection	★★★★★
Durability	★★★★★
Spring deflection	★★★★☆
Life Cycle Cost	★★★★★
Visibility	★★★★★

Overall rating: **24**



Back rest (mm)

For further information on NovoSlider L please refer to page 10.

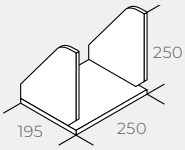
NYTREX F

The new standard compatible with rubber buffer mounting plates

Nytrex F is made of a solid Nytrex block and a matching rubber mat mounted on a galvanised steel plate for fastening to the ramp edge. Front part and rubber mat are compatible with available buffers of size 500 x 250 mm. Due to the much higher stability, the Nytrex F versions get by with a 20 mm lesser depth than rubber buffers, which increases clearance when docking. The version for dock levellers with hinged lip is rotatable (2D). The version for dock levellers with telescopic lip is reversible and rotatable (4D).

Product benefits

- Lasts 7-10x longer than rubber
- Suitable for high loading frequency
- Multiple use 2D und 4D
- compatible with existing mounting plates for rubber buffers 500 x 250 mm



Back rest (mm)

Designs (mm)	2D	4D
Nytrex F508 – 500 x 250 x 80	■	
Nytrex F513 – 500 x 250 x 130		■
Nytrex F508R – 500 x 250 x 80	■	
Nytrex F513R – 500 x 250 x 130		■
Nytrex F708 750 x 250 x 80	■	
Nytrex F713 750 x 250 x 130		■
Nytrex TwinSet F7508 750 x 250 x 80 + 500 x 250 x 80	■	
Nytrex TwinSet F7513 750 x 250 x 130 + 500 x 250 x 130		■

Evaluation

Building protection	★★★★☆
Durability	★★★★★
Spring deflection	★☆☆☆☆
Life Cycle Cost	★★★★★
Visibility	★★★★★

Overall rating: **20**

For further information on Nytrex F please refer to page 10.

NOVOLIFT

Designs (mm)	2D	4D
NovoLift 614 600 x 250 x 140	■	

Evaluation

Building protection	★★★★★
Durability	★★★★★
Spring deflection	★☆☆☆☆
Life Cycle Cost	★★★★☆
Visibility	★★★★★

Overall rating: **20**

Height-adjustable buffers with the advantages of the Nytrex material

NovoLift offers another possibility to prevent driving over the buffer above ramp level. A height-adjustable steel carriage is guided above ramp level with a pneumatic spring. After docking the lorry, the operator can easily press the buffer downwards with his feet. In the lowest position, the entire carriage automatically locks into place. There is nothing more standing in the way of the loading process. After loading, the carriage can easily be unlocked and automatically gets into the highest position.

Product benefits

- Height-adjustable buffer system
- No limitations when loading swap bodies
- Lasts 7-10x longer than rubber
- Suitable for high loading frequency
- Multiple use 2D
- length of stroke 250 mm

For further information on NovoLift please refer to page 10.

NovoEASY

Electronic Drive System with Sensor and Traffic Lights

The ideal drive protection ensures that the lorry already stops before the bumper. Thus damage to the building, the lorry, and even the drive bumper are prevented. The NovoEASY supports the lorry driver in the easiest possible way. The sensors, which are protected in a yellow drive bumper made of high-performance plastic, measure the interval between the lorry and the loading ramp and inform the driver via a display element (e. g. traffic lights).

Product benefits

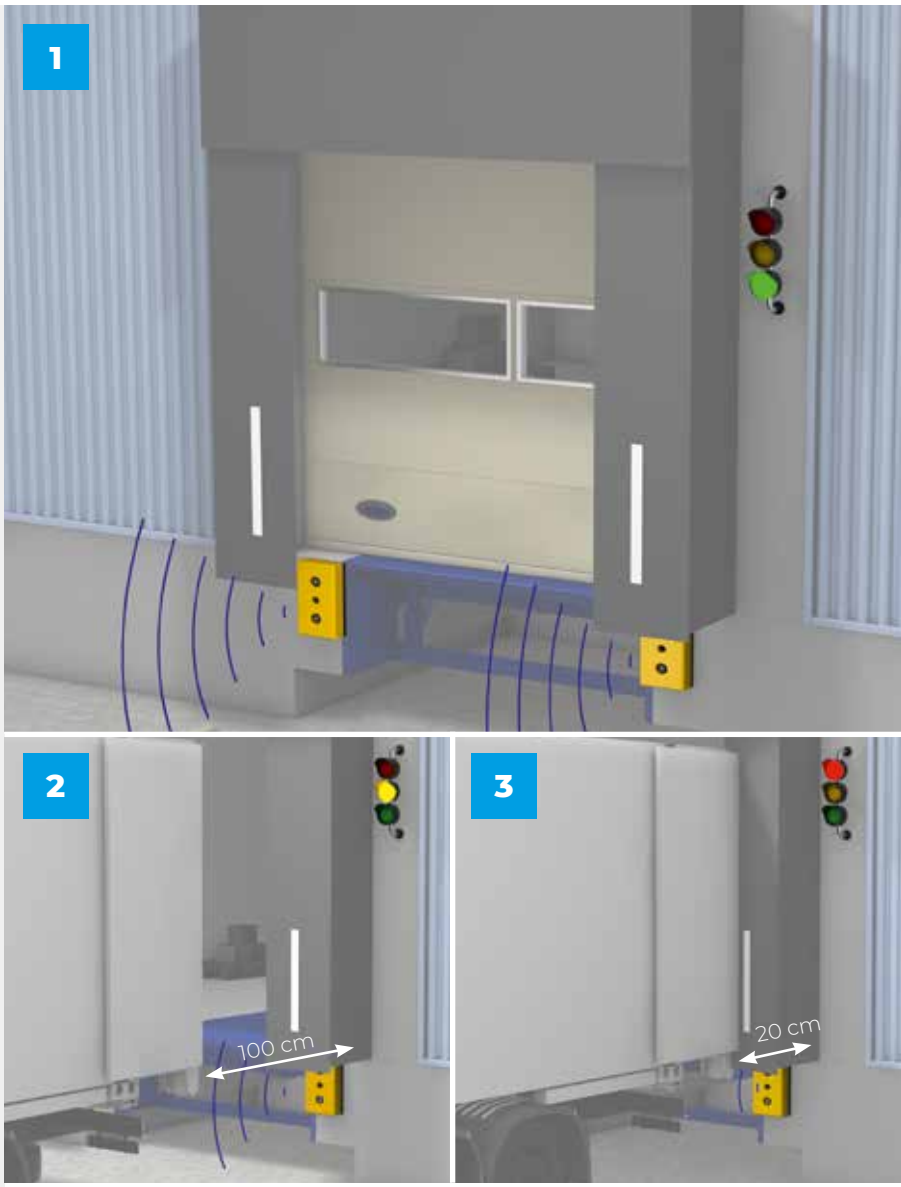
- High-performance plastic in signal yellow
- Distance measurement (Lorry – Building) with display via exterior traffic lights
- Trouble-free function for almost all truck versions. Adoptions may be necessary for swap bodies.

NovoEASY facilitates loading in three steps

Step 1
The lorry is still at a distance from the loading bay: The traffic light is green.

Step 2
The lorry is approx. 100 cm before the loading bay: The traffic light switches to yellow. The driver shows increased levels of attentiveness.

Step 3
The lorry is 20 cm away from the loading bay, just before the bumper: The traffic light switches to red. The driver stops the vehicle.



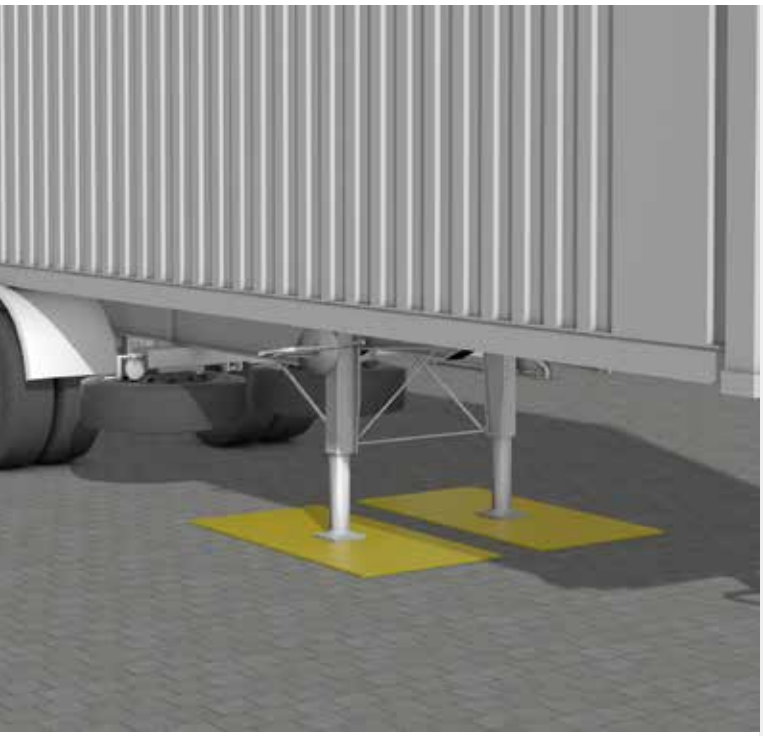
Designs (mm)
500 x 250 x 130
1 sensor, LED traffic lights red/yellow/green
2 sensors, LED traffic lights red/yellow/green

Evaluation

Building protection	★★★★★
Durability	★★★★★
Spring deflection	★★★★★
Life Cycle Cost	★★★★★
Visibility	★★★★★

Overall rating: **25**

NYTREX TRAILER PLATES



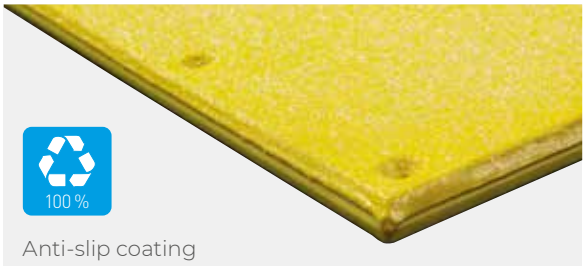
Nytrex Trailer Plates – Permanent surface protection in the loading zone

The Nytrex Trailer Plates guard against damage to concrete, bitumen or pavement surfaces, thus preventing expensive repairs in the loading bays.

Available with fastenings to or into the floor, suitable for concrete, bitumen or pavement surfaces.

Product benefits

- Nytrex high-performance plastic in signal yellow
- Suitable for high loading frequency
- Optional with anti-slip coating



Nytrex Trailer Plates Designs (mm)
Standard sizes::
2000 x 1000 x 16
1000 x 1000 x 16
1000 x 500 x 16
Non standard sizes readily available.

PRODUCT EVALUATION

Different loading situations require different bumpers. A determining factor is the right solution for the customer. For this purpose, we provide a broad range of different systems. Five different criteria are used as a decision aid. As a matter of principle, the more stars a model achieves in one of the criteria, the higher the quality of the product is going to be.

Building protection: Indicates to what extent the respective solution protects the building from impact damage.

Durability: Information on relative durability in the case of correct use.

Spring deflection: The longer the spring deflection of the bumper is, the more likely damage to the vehicle and building is going to be prevented.

Life Cycle Cost: In addition to material expenses, the cost for the replacement of worn bumpers and their durability is also included in the cost evaluation.

Visibility: The latest evaluation criterion is the visibility of the buffer for the lorry driver. Because the current products were almost always black, both rubbers and steel buffers, there was no differentiation criteria. This has changed with the development of the Nytrex buffer. The yellow signal colour presents considerable advantages over the other systems; hence this criterion has now been included in the evaluation.

Individual solutions

Besides the standard solutions presented already, special solutions may be necessary in individual cases. Speak to our adviser. We are happy to provide you with the right solution tailored to your needs.

Product	Designs (mm)	2D	4D	Building protection	Durability	Spring deflection	Life Cycle Cost	Visibility	OR
NovoSlider	500 x 280 x 100 or 750 x 280 x 100	■		★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	24
	500 x 280 x 140 or 750 x 280 x 140		■	★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	24
	TwinSet 7510 750 x 280 x 100 and 500 x 280 x 100	■		★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	24
	TwinSet 7514 750 x 280 x 140 and 500 x 280 x 140		■	★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	24
NovoSlider L	750 x 280 x 100			★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	24
	750 x 280 x 140	■		★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	24
Nytrex F	500 x 250 x 80 or 750 x 250 x 80	■		★★★★☆	★★★★★	★★★★★	★★★★★	★★★★★	20
	500 x 250 x 130 or 750 x 250 x 130		■	★★★★☆	★★★★★	★★★★★	★★★★★	★★★★★	20
	TwinSet F7508 750 x 250 x 80 and 500 x 250 x 80	■		★★★★☆	★★★★★	★★★★★	★★★★★	★★★★★	20
	TwinSet F7513 750 x 250 x 130 and 500 x 250 x 130		■	★★★★☆	★★★★★	★★★★★	★★★★★	★★★★★	20
NovoLift	600 x 250 x 140	■		★★★★★	★★★★★	★★★★★	★★★★☆	★★★★★	20

OR = Overall rating

OTHER BUMPER SYSTEMS


Rubber buffers


Steel buffers

Product		Designs (mm)	Recommended loading frequency	Building protection	Durability	Spring deflection	Life Cycle Cost	Visibility	GW
Rubber buffers		400 x 80 x 70	low	★☆☆☆☆	★☆☆☆☆	★★☆☆☆	★★☆☆☆	★☆☆☆☆	7
		250 x 250 x 90 or 250 x 250 x 140	low	★★☆☆☆	★☆☆☆☆	★★☆☆☆	★★☆☆☆	★☆☆☆☆	8
		500 x 250 x 90 or 500 x 250 x 140	low to medium	★★☆☆☆	★★☆☆☆	★★☆☆☆	★★★☆☆	★☆☆☆☆	10
Steel buffers	AZPK	500 x 250 x 140 or 800 x 250 x 140	high	★★★★★	★★★★★	★★★★☆	★★★★★	★☆☆☆☆	20
		TwinSet 800/500 500 x 250 x 140 and 800 x 250 x 140	high	★★★★★	★★★★★	★★★★☆	★★★★★	★☆☆☆☆	20
	AZJ	500 x 250 x 210 or 800 x 250 x 210	high	★★★★★	★★★★★	★★★★★	★★★★★	★☆☆☆☆	21
		TwinSet 800/500 500 x 250 x 210 and 800 x 250 x 210	high	★★★★★	★★★★★	★★★★★	★★★★★	★☆☆☆☆	21

OR = Overall rating

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