



...we protect people!

SECURITY AND PROTECTION IN

# PRODUCTION AND WAREHOUSE LOGISTICS



# BASIC LINE **ZINC**





**GUARANTEED SECURITY AS STANDARD:**

- ⊙ DGUV TYPE-TESTED
- ⊙ COMPLIANT WITH MACHINERY DIRECTIVE 2006/42/EC
- ⊙ EC DECLARATION OF CONFORMITY
- ⊙ CE MARKING
- ⊙ OPERATING INSTRUCTIONS



# BASIC LINE ZINC



// PAGE 03	INTENDED USE
// PAGE 06–09	POSTS AND MESH, SYSTEM HEIGHTS 2000 MM   2400 MM
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// PAGE 27	PLANNING YOUR ZONE PROTECTION

# FOR PRODUCTION AND WAREHOUSE LOGISTICS

## ECONOMICAL, APPEALING AND RESILIENT.



**Intended use:**

The **BASIC LINE ZINC** protective fencing system is designed to establish a fixed, safe distance to protect people from coming into contact with hazardous machinery and facilities.

The modular, frameless system comprises standard mesh elements and posts. Flexible mesh customisations and releases can even be incorporated on-site.

**Enjoy the benefits of BASIC LINE ZINC:**

- Enhanced corrosion protection
- Protective fencing compliant with Machinery Directive 2006/42/EC and DGUV test certification (type tested).
- Quick and easy DIY installation of the components, even in case of angled fences.
- Frameless modular design with possible grid reduction to a width of 23 mm.
- Captive attachments
- Supplied with EC Declaration of Conformity and CE-mark.

## THE BASIC LINE ZINC PRODUCT RANGE:

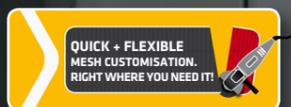
**System heights:**  
2000 mm | 2400 mm | 3000 mm | 4000 mm

**Standard grid elements (WxH):**  
2000 x 1000 mm  
2000 x 2000 mm  
2000 x 2400 mm

**Door widths:**  
1-leaf swing door: 800 | 1000 mm  
2-leaf swing door: 2000 mm  
1-leaf sliding door: 800 | 1000 mm

**Special floor clearance:**  
38 mm

**Surface finish:**  
Zinc finish



## → ECONOMICAL, APPEALING AND FUNCTIONAL

The ECONFENCE® **BASIC LINE ZINC** protective fencing system has been designed for use as a functional partition between people and hazardous areas.

**For use in production and warehouse logistics.**

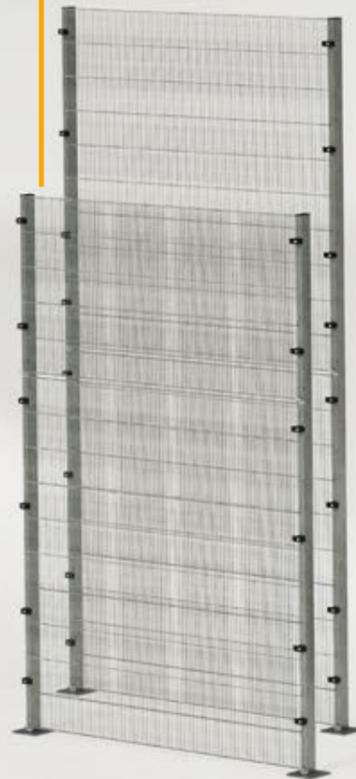
## → ENJOY THE BENEFITS OF BASIC LINE ZINC:

- DGUV type-tested. · Protective fencing compliant with Machinery Directive 2006/42/EC.
- Frameless modular design. On-site mesh customisation available.
- Quick and easy installation.
- Supplied with EC Declaration of Conformity and CE marking.

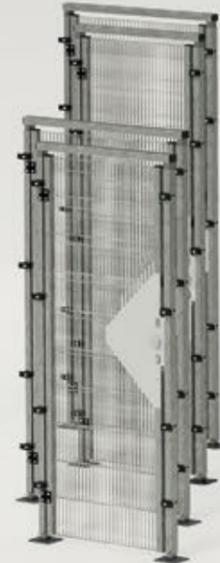
→ **MESH<sup>\*1</sup> AND POST<sup>\*2</sup>**  
ORDER NUMBERS AND MODELS  
// 06-09  
Height 2000 | 2400 mm



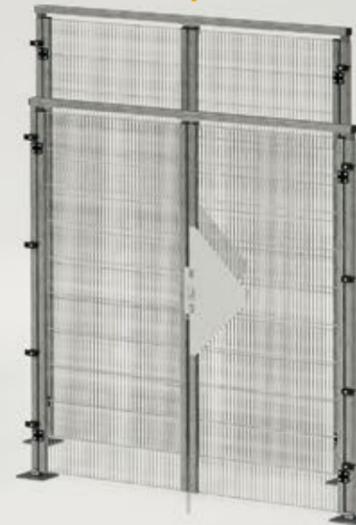
→ **MESH<sup>\*1</sup> AND POST<sup>\*1</sup>**  
ORDER NUMBERS AND MODELS  
// 10-13  
Height 3000 | 4000 mm



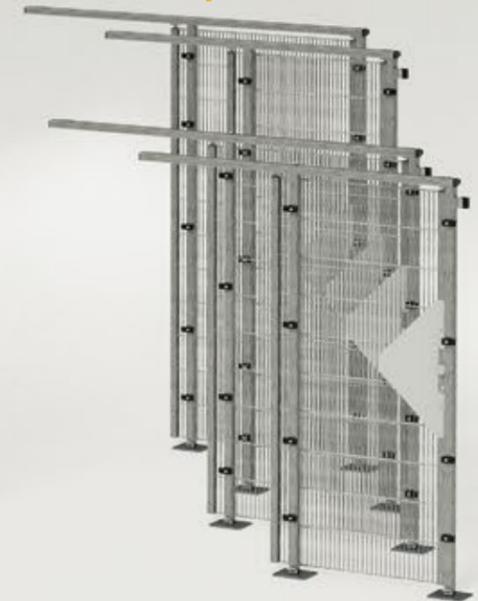
→ **1-LEAF SWING DOORS<sup>\*1\*2</sup>**  
ORDER NUMBERS AND MODELS  
// 28-29  
Height 2120 | 2520 mm



→ **2-LEAF SWING DOORS<sup>\*1\*2</sup>**  
ORDER NUMBERS AND MODELS  
// 28-29  
Height 2120 | 2520 mm

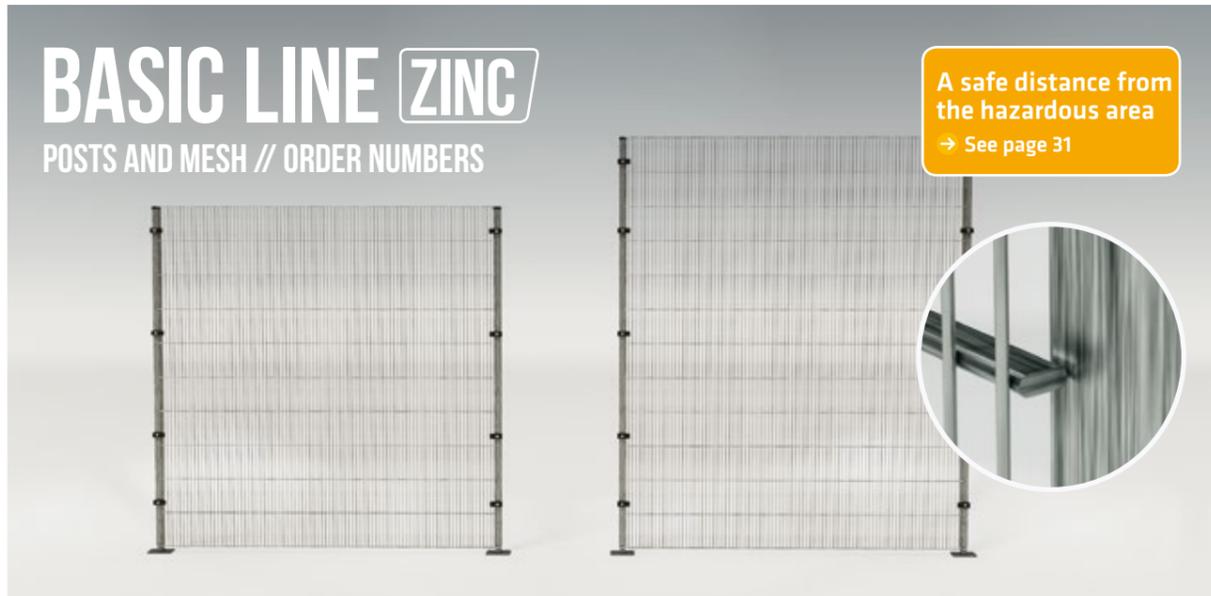


→ **1-LEAF SLIDING DOORS<sup>\*1\*2</sup>**  
ORDER NUMBERS AND MODELS  
// 28-29  
Height 2120 | 2520 mm



\*1) Galvanised in accordance with ISO 1461

\*2) FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242



Usable unit lengths:  
2000 | 2400 mm → 2000 mm

**Standard posts**

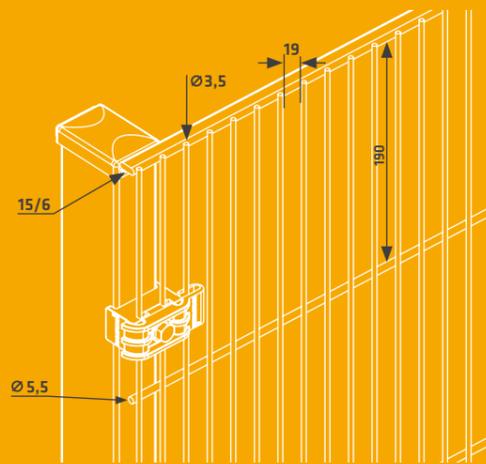
Rectangular steel profiles with an assembly set (post caps, drive-in mesh support, mesh clamping element with steel screw, and a removable base)  
Profile: Width x depth **40 x 60 mm** (up to a height of 2400 mm), FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242

**Mesh elements**

Horizontal, round wires on one side, 5.5 mm, or flat steel 15/6 mm; vertical wires 3.5 mm, spot-welded

**Mesh size**

Distance between the horizontal wires of 190 mm, standard distance between the vertical wires of 19 mm. This amounts to mesh dimensions of 19 x 190 mm



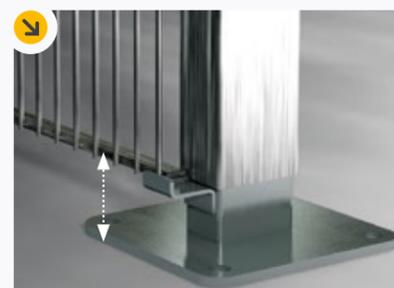
Use of undetachable fastening elements



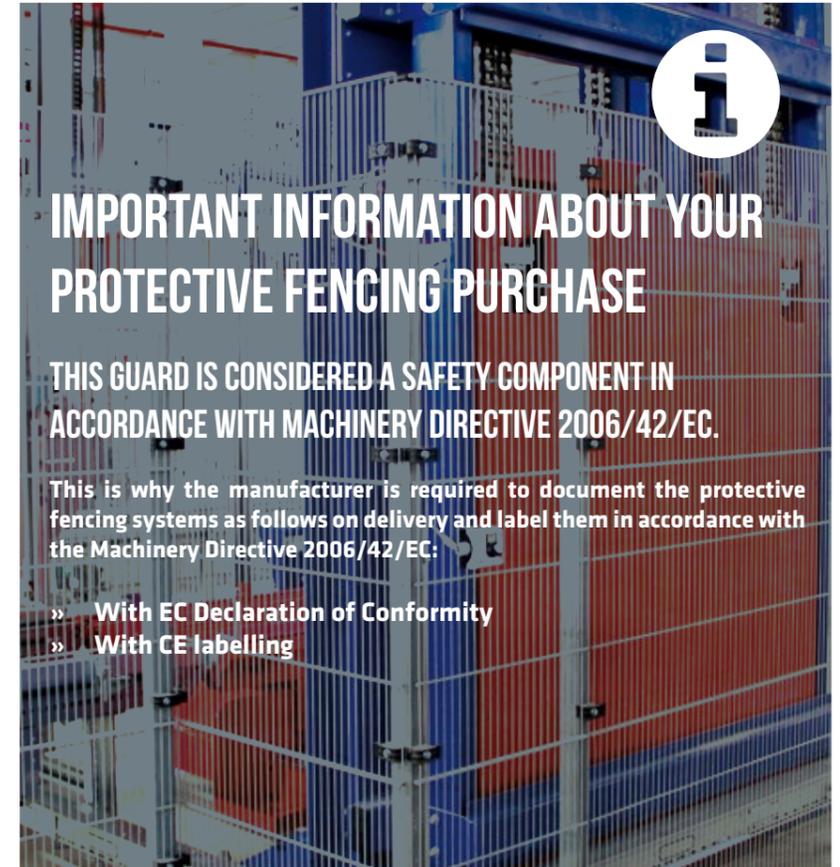
DGUV-tested protective fencing with CE marking by the manufacturer



Mesh connector for straightforward installation



Low floor clearance of 38 mm



Corner post left, outer corner



Corner post left, T-configuration



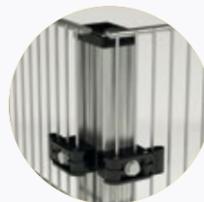
Row post in an inner-corner configuration



Row, middle and end posts



Corner post right, outer corner



**100% FLEXIBLE WITH FRAMELESS MODULAR DESIGN**

The frameless modular design is the most economical alternative to conventional mesh frames. Flexible mesh customisations and recesses can even be incorporated on-site **without compromising on stability.**

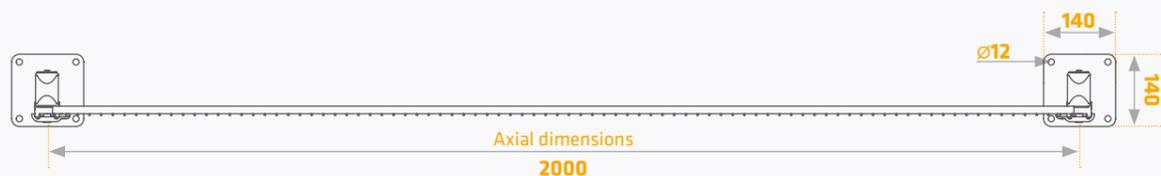
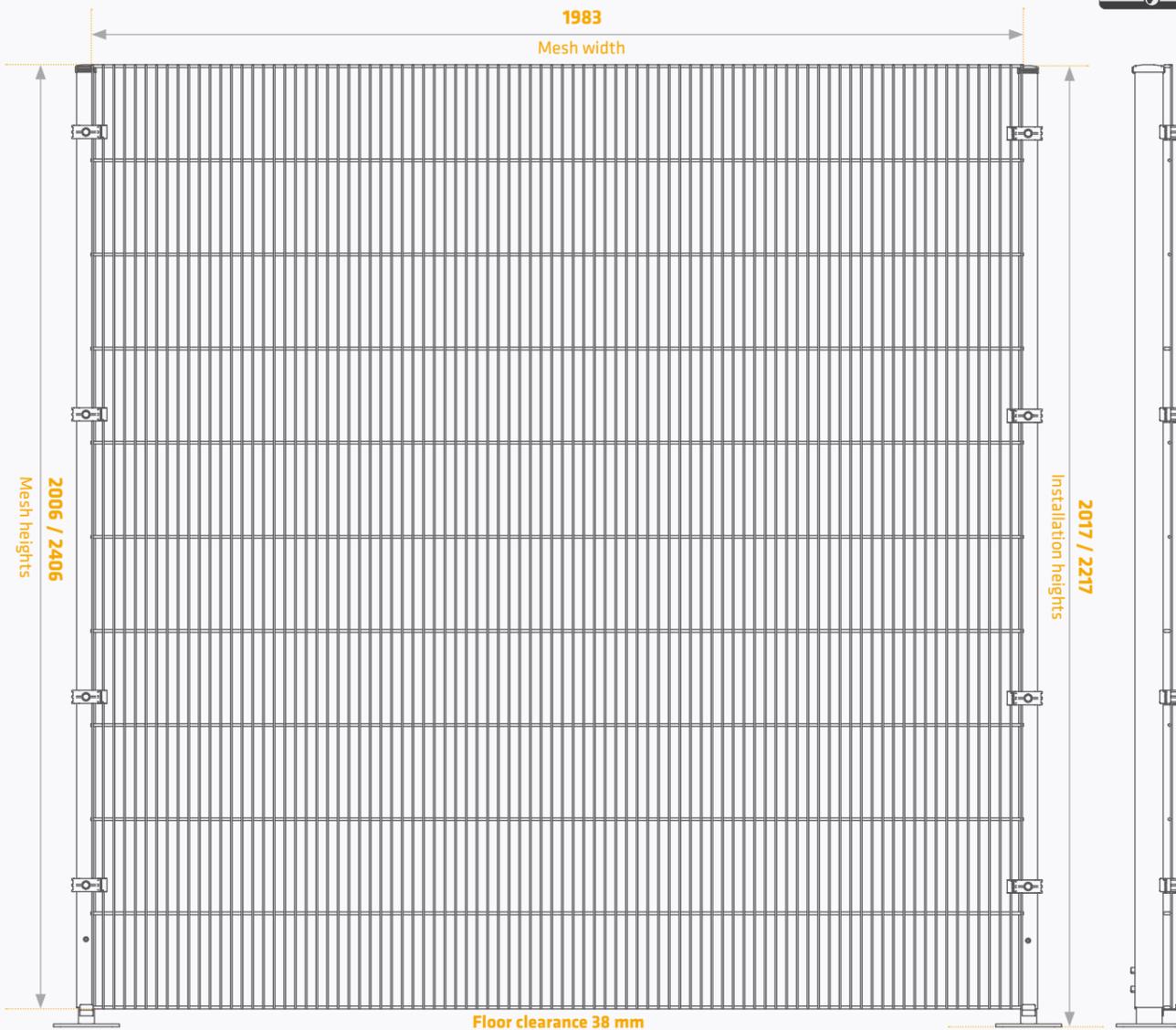
**NO RE-WELDING REQUIRED!**



# BASIC LINE ZINC

POSTS AND MESH // DETAILS AND ORDER NUMBERS

**ECONFENCE®**  
protection · german made



All dimensions in millimetres

## MESH // ORDER NUMBERS

### System height 2000 mm

Designation	Order no.	Execution	Dimensions in mm (W x H)	Installation height in mm
Mesh element	B20020019-VZ	Zinc finish*1	1983 x 2006	2045

### System height 2400 mm

Designation	Order no.	Execution	Dimensions in mm (W x H)	Installation height in mm
Mesh element	B24020019-VZ	Zinc finish*1	1983 x 2406	2445

## POSTS // ORDER NUMBERS

### System height 2000 mm

Designation	Order no.	Execution	Dimensions in mm (D x W x H)	Installation height in mm
Row post	BRP2000-VZ-S01	Zinc finish*2	60 x 40 x 2045	2045
<b>Universal</b> corner post	BEPLR2000-VZ-S01	Zinc finish*2	60 x 40 x 2045	2045

### System height 2400 mm

Designation	Order no.	Execution	Dimensions in mm (D x W x H)	Installation height in mm
Row post	BRP2400-VZ-S01	Zinc finish*2	60 x 40 x 2445	2445
<b>Universal</b> corner post	BEPLR2400-VZ-S01	Zinc finish*2	60 x 40 x 2445	2445

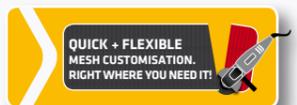


\*1) Galvanised in accordance with ISO 1461

\*2) FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242

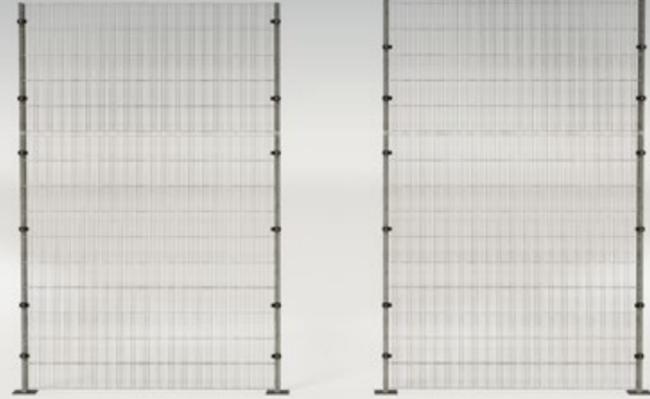


This item is in stock and available at short notice



# BASIC LINE ZINC

POSTS AND MESH // ORDER NUMBERS



A safe distance from the hazardous area  
→ See page 31



Usable unit lengths:  
3000 | 4000 mm → 2000 mm

### Standard posts

Rectangular steel profiles with an assembly set (post caps, drive-in mesh support, mesh clamping element with steel screw), and a welded base

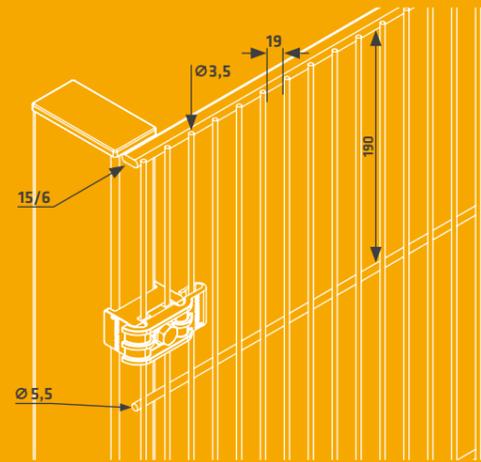
Profile: Width x depth **40 x 80 mm** (from 2400 mm up to a height of 4000 mm), hot-dip coated strip according to EN 10346

### Mesh elements

Horizontal, round wires on one side, 5.5 mm, or flat steel 15/6 mm; vertical wires 3.5 mm, spot-welded, galvanised in accordance with EN 10346

### Mesh size

Distance between the horizontal wires of 190 mm, standard distance between the vertical wires of 19 mm. This amounts to mesh dimensions of 19 mm x 190 mm



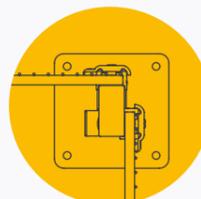
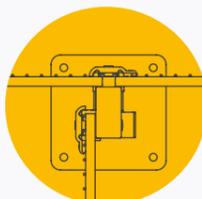
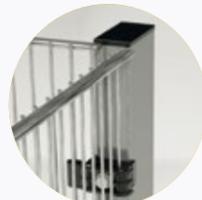
Left corner post  
Outer corner

Left corner post  
T-configuration

Row post in an  
inner-corner  
configuration

Row, middle and  
end posts

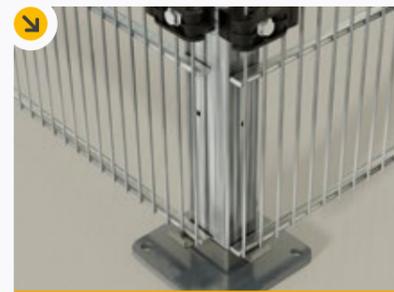
Right corner post  
Outer corner



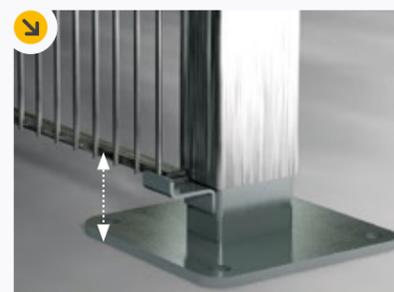
Use of undetachable fastening elements



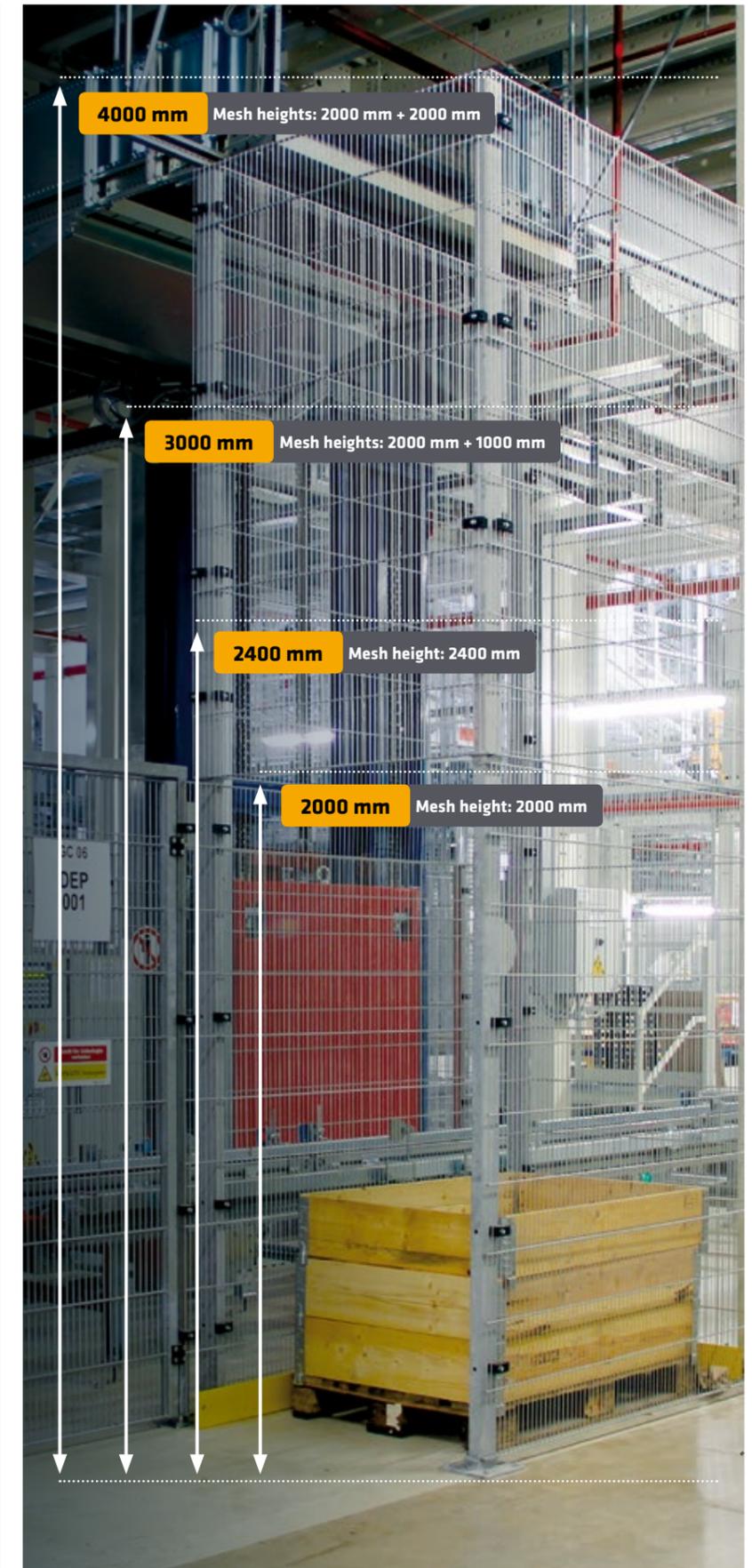
DGUV-tested protective fencing with CE marking by the manufacturer



Mesh connector for straightforward installation

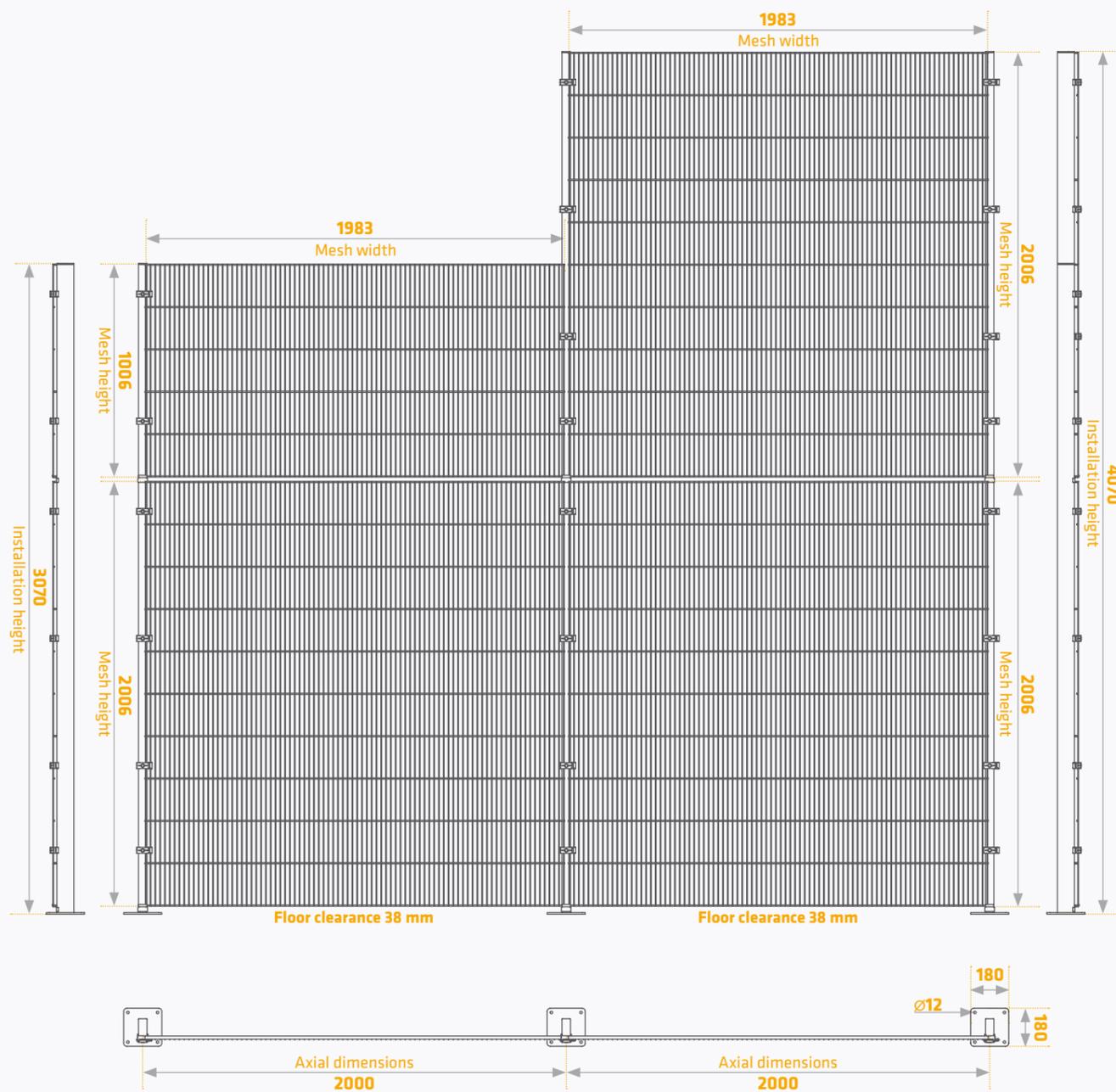


Floor clearance 38 mm



# BASIC LINE ZINC

POSTS AND MESH // DETAILS AND ORDER NUMBERS



All dimensions in millimetres

## MESH // ORDER NUMBERS

### System height 3000 mm

Designation	Order no.	Execution	Dimensions in mm (W x H)	Installation height in mm
Mesh element	B10020019-VZ	Zinc finish*1	1983 x 1006	} 3070
Mesh element	B20020019-VZ	Zinc finish*1	1983 x 2006	

### System height 4000 mm

Designation	Order no.	Execution	Dimensions in mm (W x H)	Installation height in mm
Mesh element	B20020019-VZ	Zinc finish*1	1983 x 2006	} 4070
Mesh element	B20020019-VZ	Zinc finish*1	1983 x 2006	

## POSTS // ORDER NUMBERS

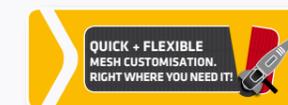
### System height 3000 mm

Designation	Order no.	Execution	Dimensions in mm (D x W x H)	Installation height in mm
Row post	BRP3000-VZ-S01	Zinc finish*1	80 x 40 x 3070	3070
<b>Universal</b> corner post	BEPLR3000-VZ-S01	Zinc finish*1	80 x 40 x 3070	3070

### System height 4000 mm

Designation	Order no.	Execution	Dimensions in mm (D x W x H)	Installation height in mm
Row post	BRP4000-VZ-S01	Zinc finish*1	80 x 40 x 4070	4070
<b>Universal</b> corner post	BEPLR4000-VZ-S01	Zinc finish*1	80 x 40 x 4070	4070

- ➔ \*1) Galvanised in accordance with ISO 1461
- \*2) FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242



# BASIC LINE ZINC

1-LEAF SWING DOORS // ORDER NUMBERS



A safe distance from the hazardous area  
→ See page 31

Swing door heights: 2120/2520 mm  
(Frame 2000/2400 mm)

Door with QR 40 lateral rail



**GUARANTEED SECURITY AS STANDARD:**

- ⊙ DGV TYPE-TESTED
- ⊙ COMPLIANT WITH MACHINERY DIRECTIVE 2006/42/EC
- ⊙ EC DECLARATION OF CONFORMITY
- ⊙ CE MARKING
- ⊙ OPERATING INSTRUCTIONS



**STABLE DOORWAY CROSSBEAMS**  
are also ideal for routing cables



**INDIVIDUAL OPENING DIRECTION**  
for DIN left/right installation



**REACH-THROUGH PROTECTION**



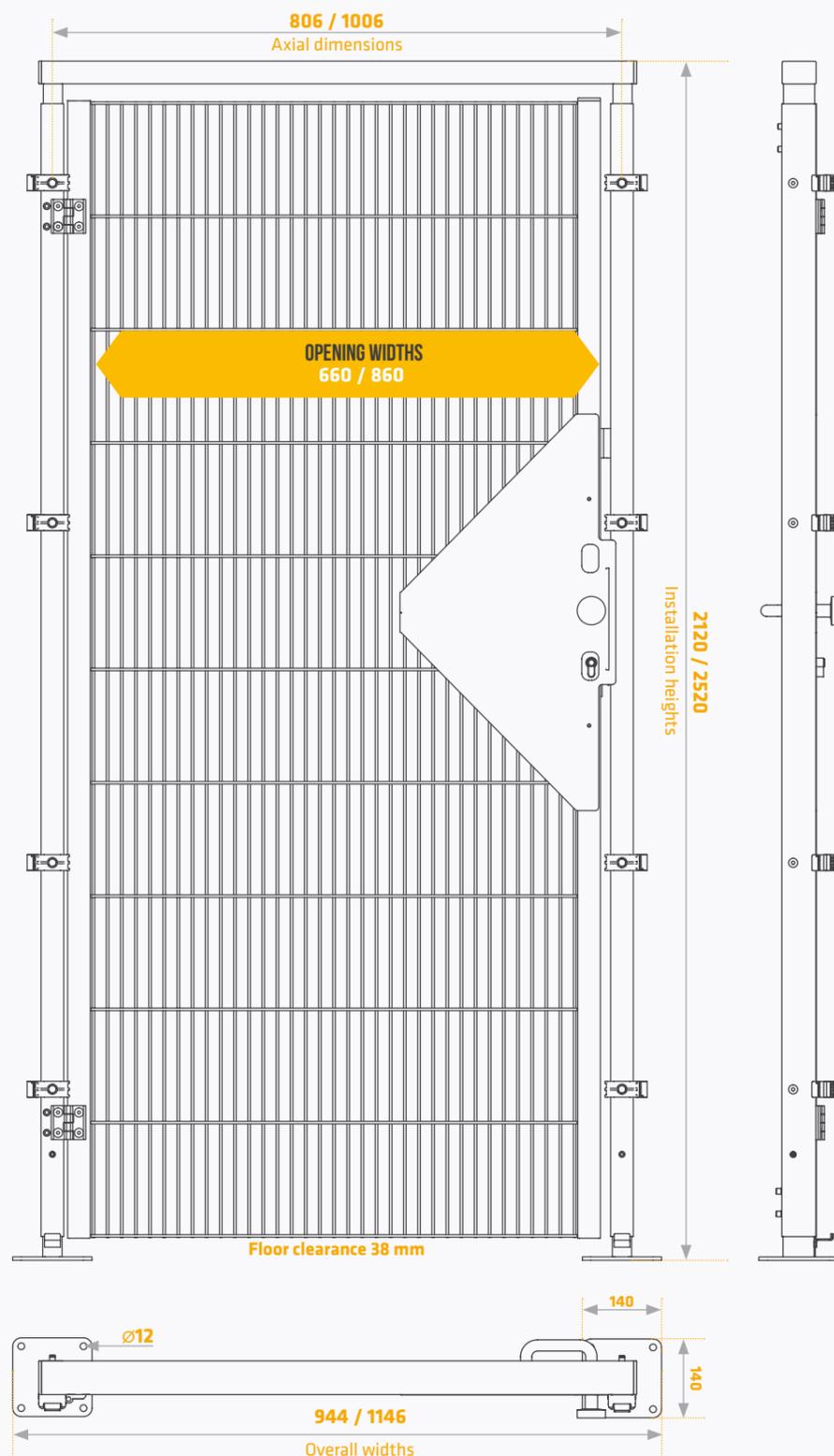
**LOW FLOOR CLEARANCE**



**Outer door handle, internal latch, reach-through protection, key required to open from the outside.**  
*i* **No key required to open from the inside (emergency release).**  
**Universal construction for DIN left/right installation**

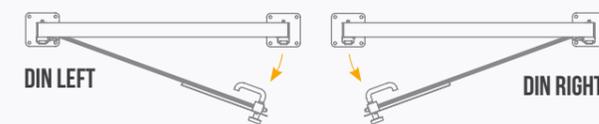
# BASIC LINE ZINC

## 1-LEAF SWING DOOR TS01 // DETAILS AND ORDER NUMBERS



↑ All dimensions in millimetres

### 1-LEAF SWING DOOR // ORDER NUMBERS



#### System height 2000 mm

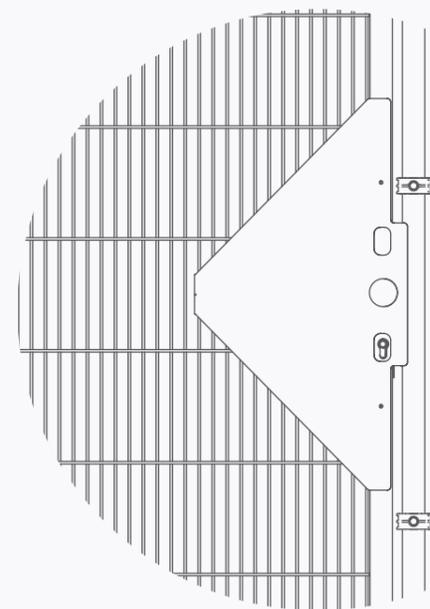
Designation	Order no.	Execution	Width (axial dimension) in mm	Installation height in mm
1-leaf swing door	BTLR20008019-VZ-TS01	Zinc finish*1*2	806	2120
1-leaf swing door	BTLR20010019-VZ-TS01	Zinc finish*1*2	1006	2120

#### System height 2400 mm

Designation	Order no.	Execution	Width (axial dimension) in mm	Installation height in mm
1-leaf swing door	BTLR24008019-VZ-TS01	Zinc finish*1*2	806	2520
1-leaf swing door	BTLR24010019-VZ-TS01	Zinc finish*1*2	1006	2520

→ \*1) Galvanised in accordance with ISO 1461  
 \*2) FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242

This item is in stock and available at short notice



### MODEL TS01

For use as a guard without an interlocking device; suitable for use as a point of maintenance access.



# BASIC LINE **ZINC**

2-LEAF SWING DOORS // ORDER NUMBERS



A safe distance from the hazardous area  
→ See page 31

Swing door heights: 2120/2520 mm  
(Frame 2000/2400 mm)

Door with QR 40 lateral rail



**GUARANTEED SECURITY AS STANDARD:**

- ⊙ DGV TYPE-TESTED
- ⊙ COMPLIANT WITH MACHINERY DIRECTIVE 2006/42/EC
- ⊙ EC DECLARATION OF CONFORMITY
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- ⊙ OPERATING INSTRUCTIONS




**STABLE DOORWAY CROSSBEAMS**  
are also ideal for routing cables



**INDIVIDUAL OPENING DIRECTION**  
for DIN left/right installation



**REACH-THROUGH PROTECTION**



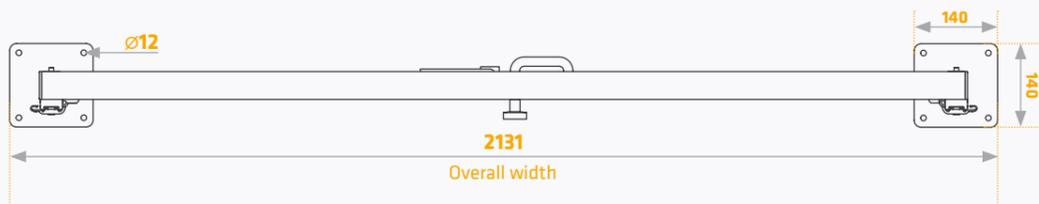
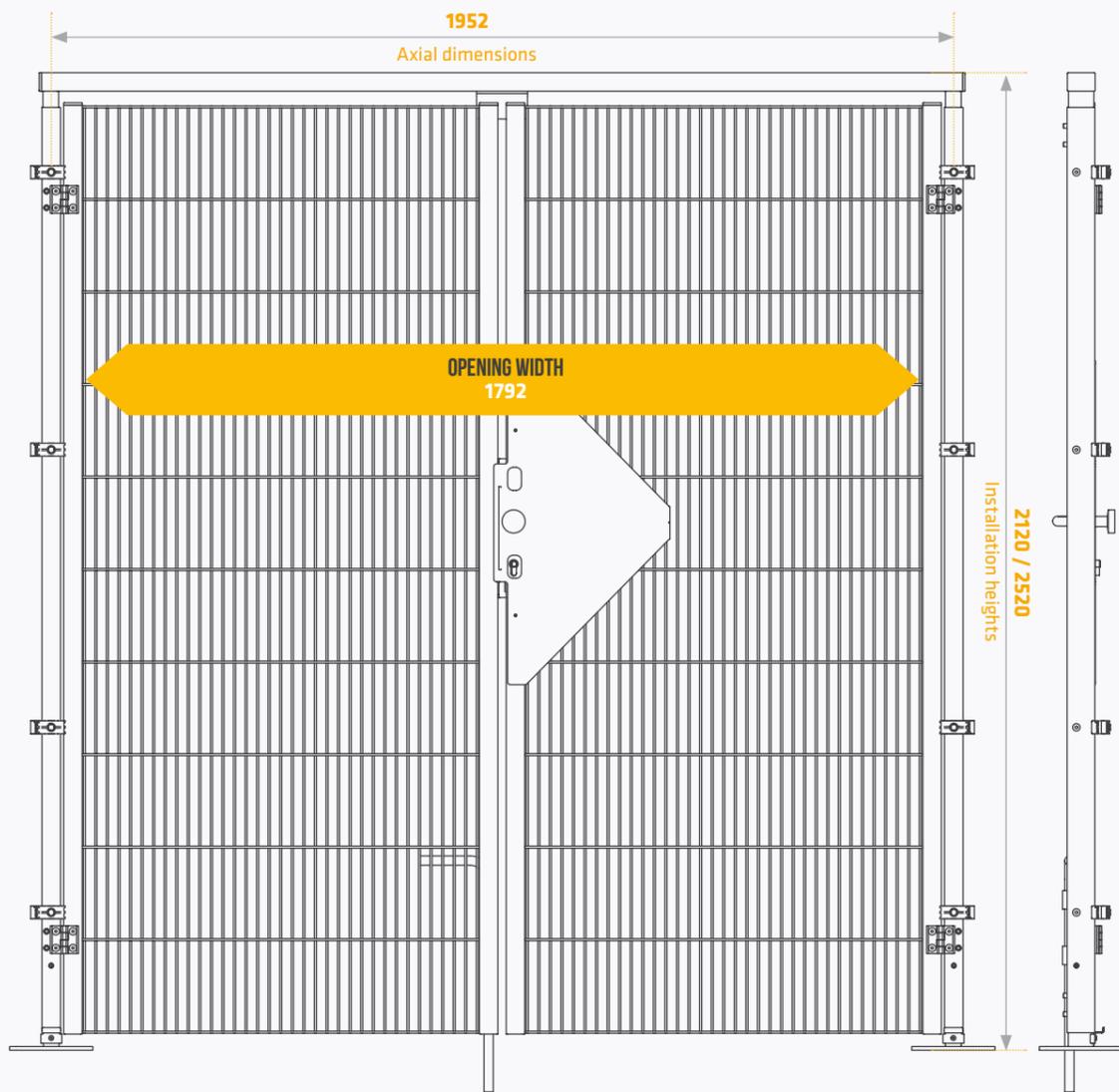
**DOOR DROP BOLT**



**Outer door handle, internal latch, reach-through protection, key required to open from the outside.**  
*i* **No key required to open from the inside (emergency release).**  
**Construction for a DIN right active leaf**

# BASIC LINE ZINC

## 2-LEAF SWING DOOR TS01 // DETAILS AND ORDER NUMBERS



↑ All dimensions in millimetres

### 2-LEAF SWING DOOR // ORDER NUMBERS



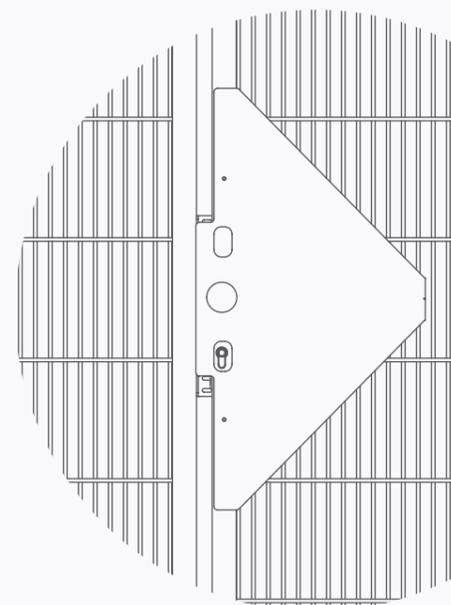
#### System height 2000 mm

Designation	Order no.	Execution	Width (axial dimension) in mm	Installation height in mm
2-leaf swing door	BDT20019019-VZ-TS01	Zinc finish*1*2	1952	2120

#### System height 2400 mm

Designation	Order no.	Execution	Width (axial dimension) in mm	Installation height in mm
2-leaf swing door	BDT24019019-VZ-TS01	Zinc finish*1*2	1952	2520

- ➔ \*1) Galvanised in accordance with ISO 1461
- \*2) FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242



### MODEL TS01

For use as a guard without an interlocking device; suitable for use as a point of maintenance access.



# BASIC LINE ZINC

1-LEAF SLIDING DOORS // ORDER NUMBERS

A safe distance from the hazardous area  
→ See page 31



**Sliding door heights: 2120/2520 mm**  
(Frame 2000/2400 mm)  
Door width = Axial dimension  
Axial dimension minus 275 mm = clearance dimension  
Door with QR 40 lateral rail



**STABLE DOORWAY CROSSBEAMS**  
are also ideal for routing cables



**EMERGENCY RELEASE**



**REACH-THROUGH PROTECTION**



**SECURE ROLLER GUIDE**



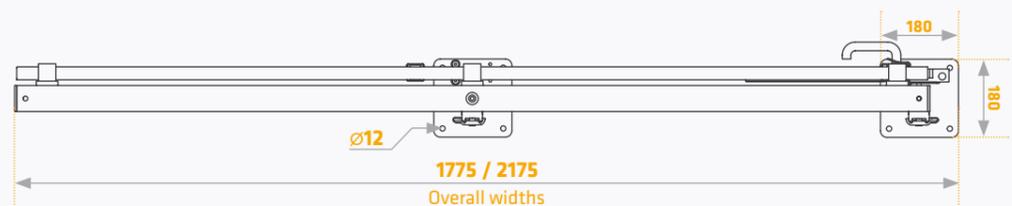
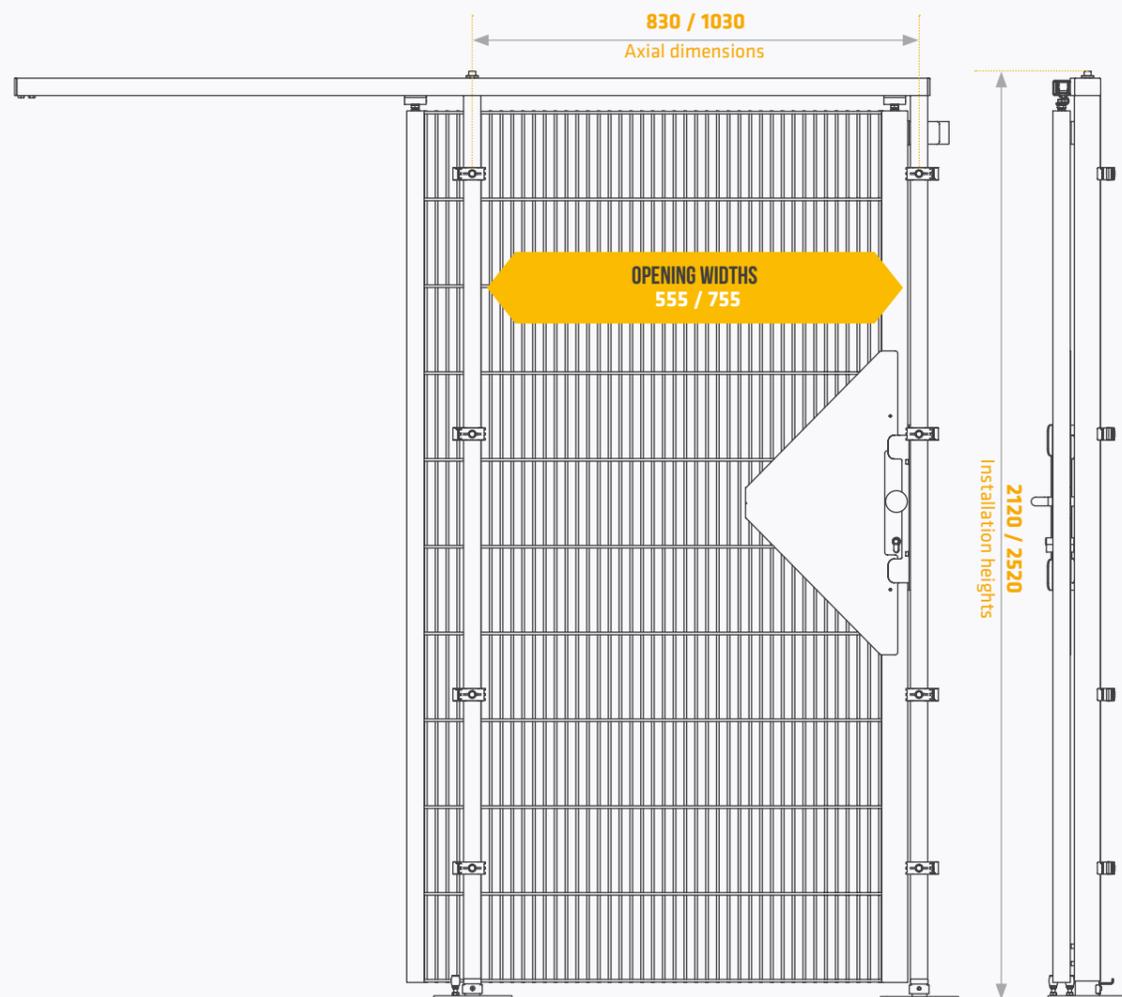
- GUARANTEED SECURITY AS STANDARD:**
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  - ⊙ OPERATING INSTRUCTIONS



**Outer door handle, internal latch, reach-through protection, key required to open from the outside.**  
**No key required to open from the inside (emergency release).**  
**Universal construction for DIN left/right installation**

# BASIC LINE ZINC

## 1-LEAF SLIDING DOOR TS01 // DETAILS AND ORDER NUMBERS



↑ All dimensions in millimetres

### 1-LEAF SLIDING DOOR // ORDER NUMBERS



#### System height 2000 mm

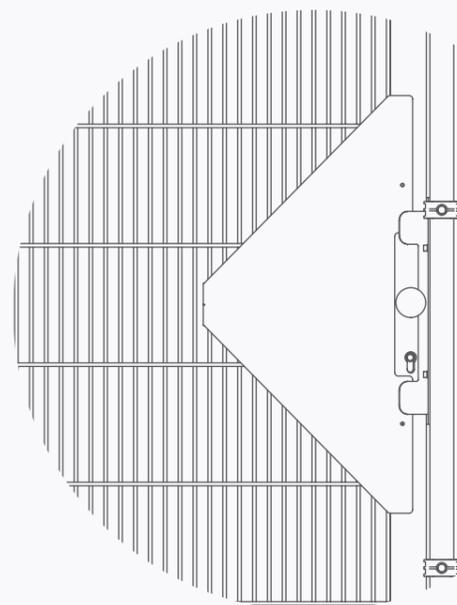
Designation	Order no.	Execution	Width (axial dimension) in mm	Installation height in mm
1-leaf sliding door	BSTLR20008019-VZ-TS01	Zinc finish*1*2	830	2120
1-leaf sliding door	BSTLR20010019-VZ-TS01	Zinc finish*1*2	1030	2120

#### System height 2400 mm

Designation	Order no.	Execution	Width (axial dimension) in mm	Installation height in mm
1-leaf sliding door	BSTLR24008019-VZ-TS01	Zinc finish*1*2	830	2520
1-leaf sliding door	BSTLR24010019-VZ-TS01	Zinc finish*1*2	1030	2520



- \*1) Galvanised in accordance with ISO 1461
- \*2) FVZS250GD+Z275MAC hot-dip coated strip according to EN 10346 and EN 10143, WN 1.0242



### MODEL TS01

For use as a guard without an interlocking device; suitable for use as a point of maintenance access.



# OUR COMPREHENSIVE SERVICES ARE THE CORNERSTONES OF YOUR SUCCESS.



## A PERSONAL APPROACH AND SPEEDY SERVICE FROM INITIAL CONTACT THROUGH TO ORDER ACCEPTANCE.

The concept of "service" appears to have become an overused expression that doesn't always live up to its promises. But for us, we take great pride in providing a premium service and we strive to achieve this at every stage of your project. This applies to everything from our personal and comprehensive consultations and needs assessments right through to planning, production and our aftersales service that you can take advantage of for years to come. This is the very cornerstone of the work we do and our customers have been placing their trust in us for over three decades.



### 2D/3D PLANNING DATA

We will make all necessary CAD files available to you for construction and planning purposes.



### CAD PLANNING

We will be happy to plan and sketch an entire protective fencing layout to discuss with you in detail and establish whether you would like to go ahead with your order.

## PLANNING YOUR ZONE PROTECTION

The BASIC LINE ZINC protective fencing system is designed to establish a fixed, safe distance to protect people from coming into contact with hazardous machinery and facilities.

**If you are planning to feature guards in your zone protection system, you must remember to complete a relevant risk assessment. This requires the following standards to be taken into account:**

### ISO 12100

Safety of machinery

### ISO 13857

Safety distances to prevent hazard zones being reached by upper and lower limbs

### ISO 14120

Guards

### ISO 14119

Interlocking devices associated with guards

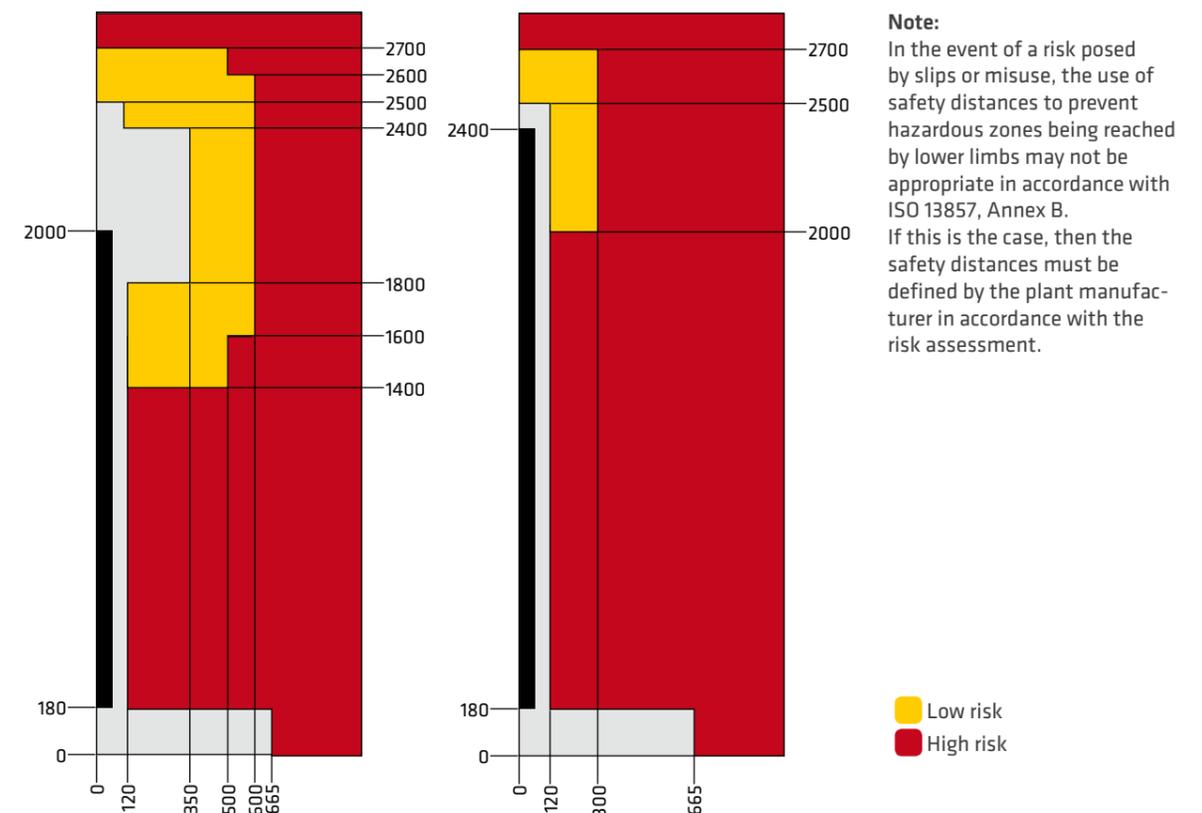
### Evaluation of the hazardous area

The safety distance of the protective fencing system is defined in accordance with the corresponding EN standard. This process involves drawing up a floor plan of the machine or system.

### Risk analysis and assessment

The risk assessment must be carried out and evaluated by the customer in accordance with the relevant harmonised standards in order to identify the required mesh size, height, floor clearance, distance from the hazardous area, and intended use.

## SAFETY DISTANCES ACCORDING TO ISO 13857



**Note:** In the event of a risk posed by slips or misuse, the use of safety distances to prevent hazardous zones being reached by lower limbs may not be appropriate in accordance with ISO 13857, Annex B. If this is the case, then the safety distances must be defined by the plant manufacturer in accordance with the risk assessment.

Warning: Only permitted in conjunction with ECONFENCE® mesh elements with a mesh size of 19|190 mm.

PROFESSIONAL AND ECONOMICAL EMPLOYEE PROTECTION

# MARKET-LEADING SOLUTIONS RELIABLE. ECONOMICAL. INNOVATIVE

### TAKE ADVANTAGE OF THE FULL RANGE OF POSSIBILITIES.

Do you or your customers have high requirements when it comes to stability, convenience and design?  
Or perhaps you are simply looking for an affordable, functional solution?

### ENJOY A WHOLE HOST OF OPTIONS WITH OUR THREE ECONFENCE® SYSTEM LINES.

When it comes to your individual circumstances and living up to your requirements, you can always count on receiving appropriate protection and incredible value for money to suit both your area of application and mechanical load.

#### HIGH LINE SYSTEM

#### MEDIUM LINE SYSTEM

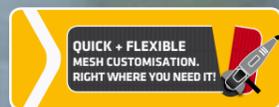
#### BASIC LINE SYSTEM



Sturdy protection in the robotics and automation industries

The stable protective fencing solution for automation and production facilities

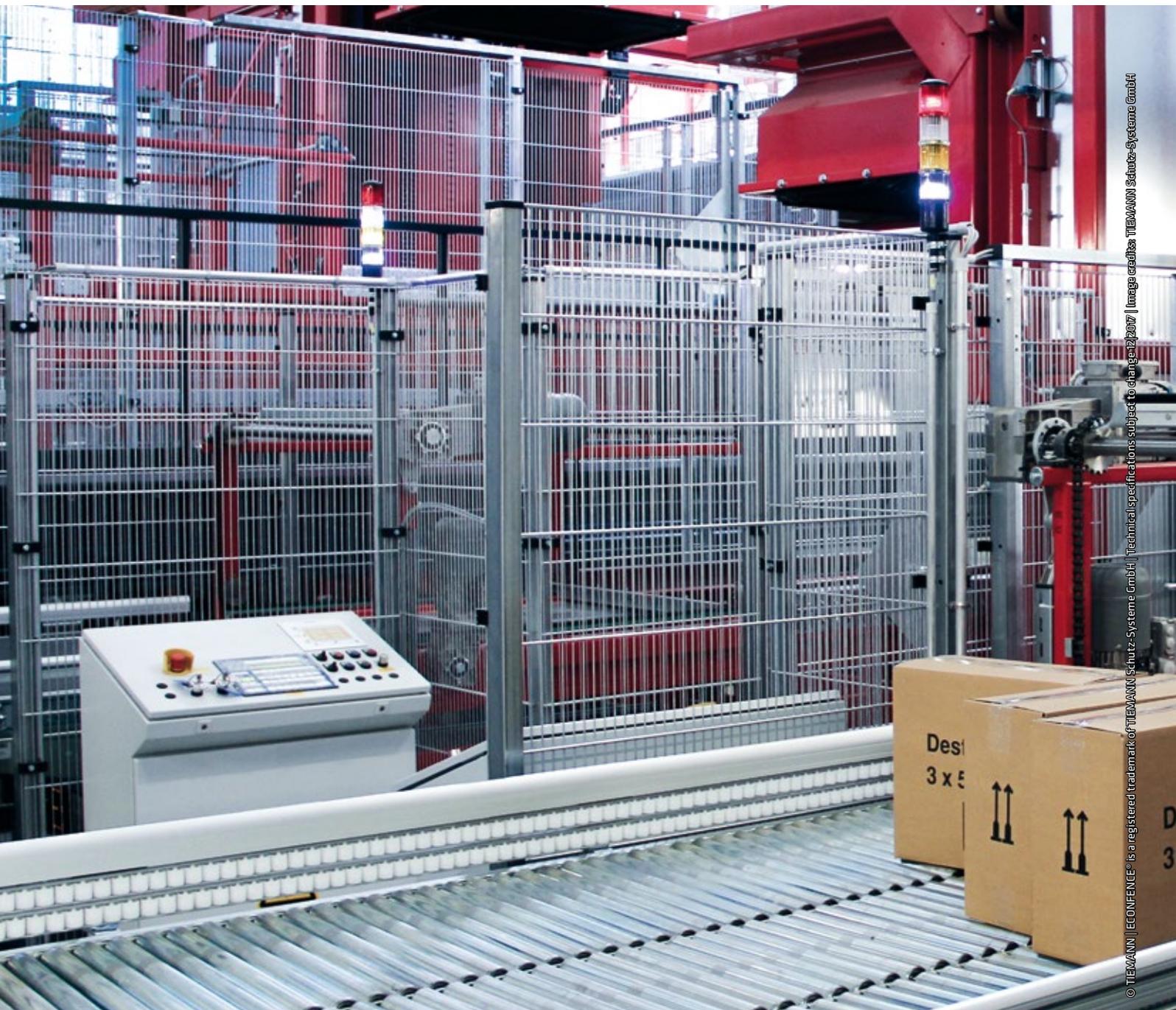
Appealing and economical solutions for production facilities and warehouse logistics





Accessories can be found in the instruction manual or as a download on our website. [www.econference.com](http://www.econference.com)





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