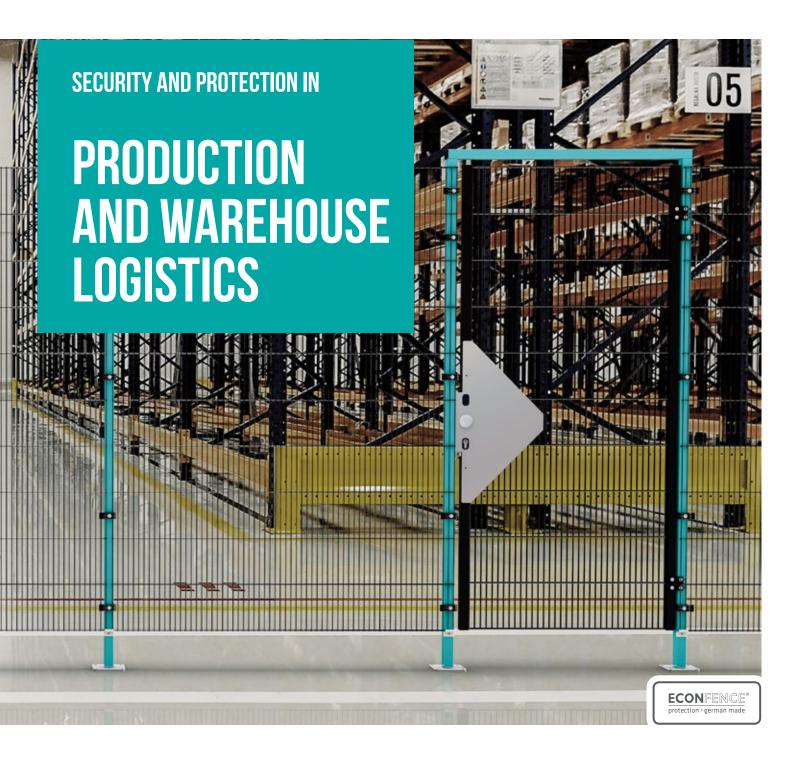


...we protect people!



# **BASIC LINE**



#### **GUARANTEED SECURITY AS STANDARD:**

- **O DGUV TYPE-TESTED**
- COMPLIANT WITH MACHINERY DIRECTIVE 2006/42/EC
- EC DECLARATION OF CONFORMITY
- CE MARKING

CONFER

OPERATING INSTRUCTIONS

# **BASIC LINE**

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GE 03	INTENDED USE
GE 04-05	PRODUCT RANGE OVERVIEW
GE 06-09	POSTS AND MESH
GE 12—19	1-LEAF SWING DOORS
GE 20-27	1-LEAF SLIDING DOORS
GE 28-29	ACCESSORIES AND EXTRAS
GE 30	SERVICE
GE 31	PLANNING YOUR ZONE PROTECTION
GE 32—35	OTHER SYSTEMS

# **ECONOMICAL AND FUNCTIONAL**

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

For use in production and warehouse logistics. In the event of mechanical strain, the stable mesh elements ensure employee protection is guaranteed.

Enjoy the benefits of BASIC LINE:

- 2006/42/EC.

## THE BASIC LINE PRODUCT RANGE:

System heights: 2000 | 2200 mm

Usable module lengths: 500 | 1000 | 1500 | 2000 mm

Door widths: 1-leaf swing doors: 1000 mm 1-leaf sliding doors: 1200 mm

Surface finish: Powder coated

# FOR PRODUCTION AND WAREHOUSE LOGISTICS

· DGUV type-tested. · Protective fencing compliant with Machinery Directive

· Frameless modular design. On-site mesh customisation available. · Quick and easy DIY installation of the components. · Supplied with EC Declaration of Conformity and CE marking.



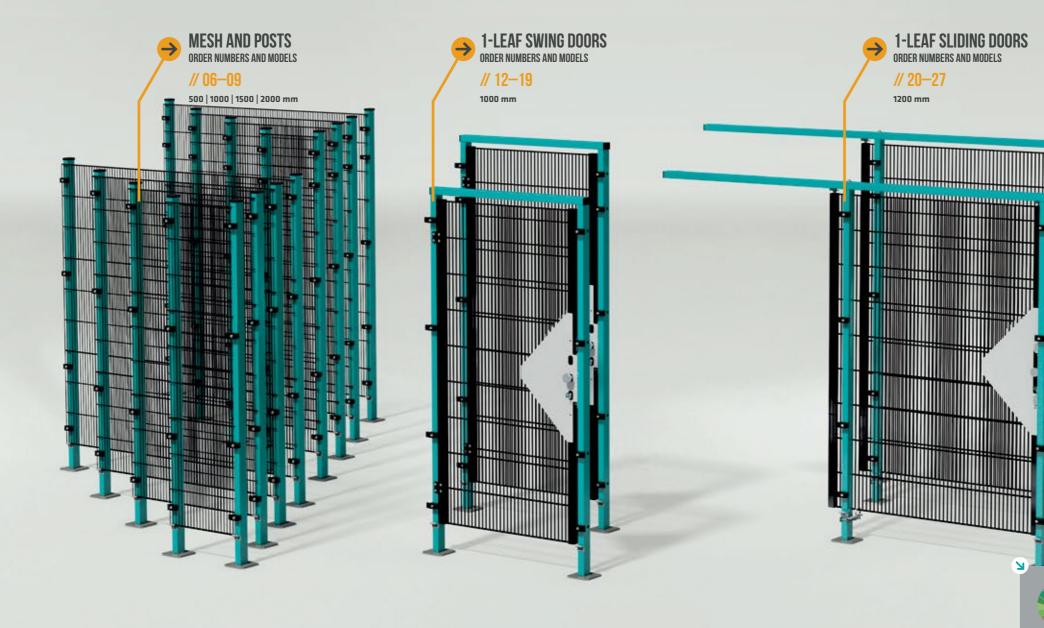
## ➡ ECONOMICAL, APPEALING AND FUNCTIONAL

The ECONFENCE® **BASIC LINE** 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:

• DGUV type-tested. Protective fencing compliant with Machinery Directive 2006/42/EC.

- · Frameless modular design. On-site mesh customisation available.
- Quick and easy installation. All components supplied pre-assembled.
- · Supplied with EC Declaration of Conformity and CE marking.



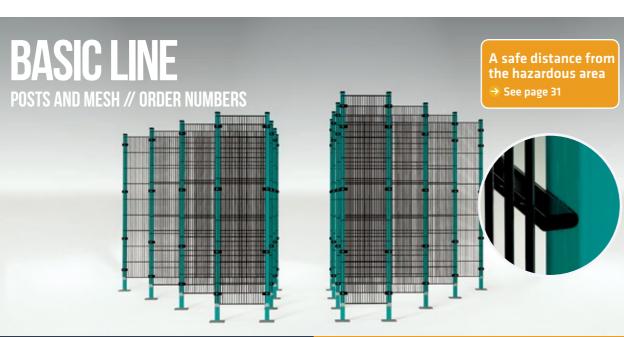
inery Directive 2006/42/EC. ailable. ssembled. .





RAL colours are available to download from our website:





#### Usable unit lengths:

<sup>1</sup>/<sub>2</sub>2000 mm→ 500|1000|1500|2000 mm ₹2200 mm → 500|1000|1500|2000 mm

#### Standard posts

Comprising rectangular steel profiles and an assembly set (post cap, drive-in mesh support, plastic clamping element with steel screw, base plate)

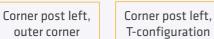
#### Mesh elements

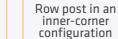
Horizontal, round wires on one side, 5.5 mm, or flat steel 15/6 mm; vertical wires 3.5 mm, spot-welded

#### 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.



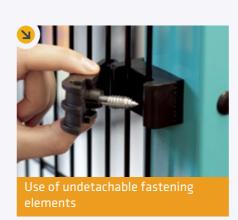




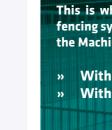
Ø5,

Corner post right, Row, middle and end posts outer corner



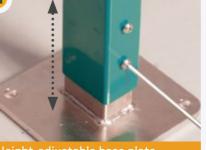






# DESIGN

mising on stability.



for straightforward installation

Height-adjustable base plate



## THIS GUARD IS CONSIDERED A SAFETY COMPONENT IN ACCORDANCE WITH MACHINERY DIRECTIVE 2006/42/EC.

This is why the manufacturer is required to document the protective fencing systems as follows on delivery and label them in accordance with the Machinery Directive 2006/42/EC:

» With EC Declaration of Conformity With CE labelling

## **100% FLEXIBLE** WITH FRAMELESS MODULAR

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 compro-

### **NO RE-WELDING REQUIRED!**

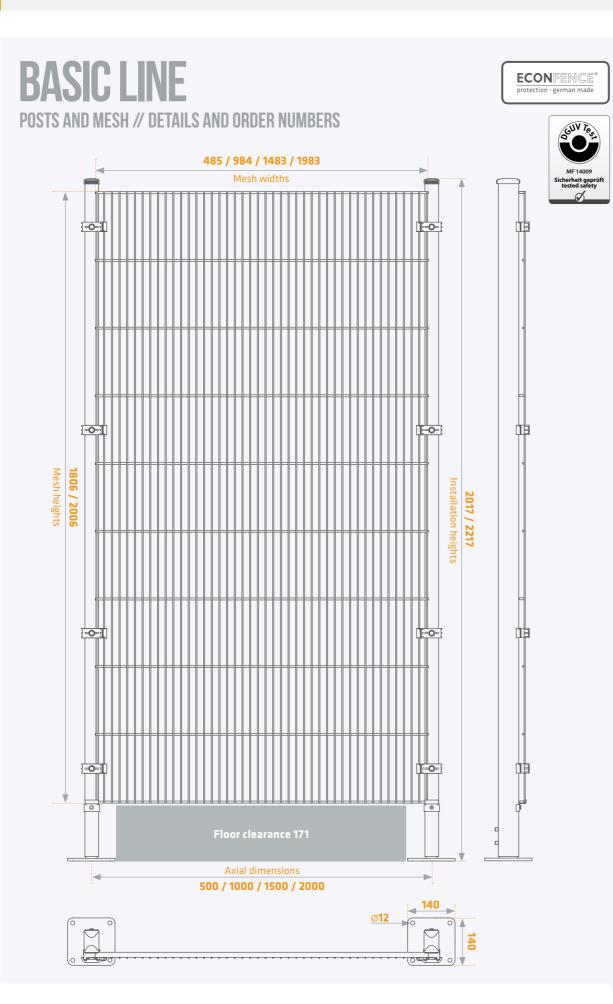




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7



### MESH // ORDER NUMBERS

#### System height 2000 mm

Order no.	Colour group 2	Colour group 3	Colour group 4	Mesh elements
	RAL	RAL	RAL	in mm (W x H)
B18005019	2-7035	3-xxxx	4-xxxx	485 x 1806
B18010019	2-7035	3-xxxx	4-xxxx	984 x 1806
B18015019	2-7035	3-xxxx	4-xxxx	1483 x 1806
B18020019	2-7035	3-xxxx	4-xxxx	1983 x 1806

#### System height 2200 mm

Order no.	Colour group 2	Colour group 3	Colour group 4	Mesh elements
	RAL	RAL	RAL	in mm (W x H)
B20005019	2-7035	3-xxxx	4-xxxx	485 x 2006
B20010019	2-7035	3-xxxx	4-xxxx	984 x 2006
B20015019	2-7035	3-xxxx	4-xxxx	1483 x 2006
B20020019	2-7035	3-xxxx	4-xxxx	1983 x 2006

Example of a correct order:  $\rightarrow$ 

Order no. B18015019 + colour group 2 + RAL colour no. 7035 = complete order number B18015019-2-7035

### POSTS // ORDER NUMBERS

Designation	Order no.	Colour group 2	Colour group 3	Colour group 4	Posts
		RAL	RAL	RAL	Dimensions in mm (D x W x H)
Row post	BRP2000	2-7035	3-xxxx	4-xxxx	60/40/2017
Universal corner post	BEPLR2000	2-7035	3-xxxx	4-xxxx	60/40/2017

Designation	Order no.	Colour group 2	Colour group 3	Colour group 4	Posts
		RAL	RAL	RAL	Dimensions in mm (D x W x H)
Row post	BRP2200	2-7035	3-xxxx	4-xxxx	60/40/2217
Universal corner post	BEPLR2200	2-7035	3-xxxx	4-xxxx	60/40/2217

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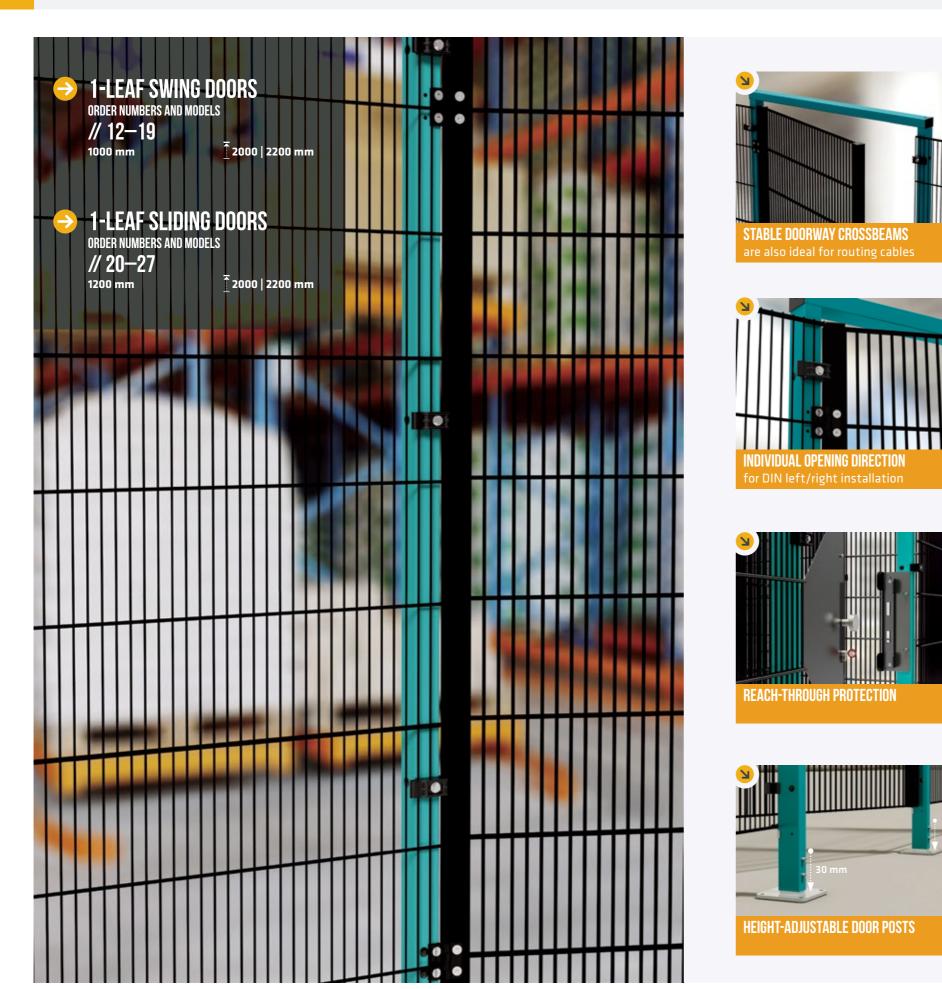
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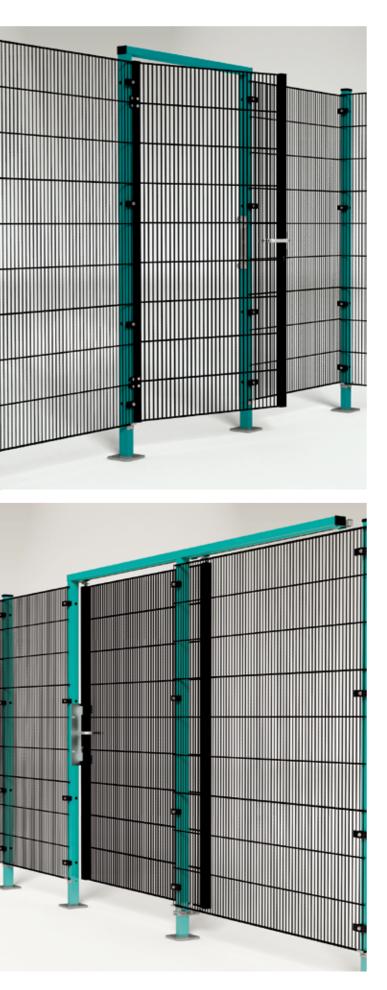
Example of a correct order: Order no. **BRP2000** + colour group **2** + RAL colour no. **7035** = complete order number **BRP2000-2-7035** 

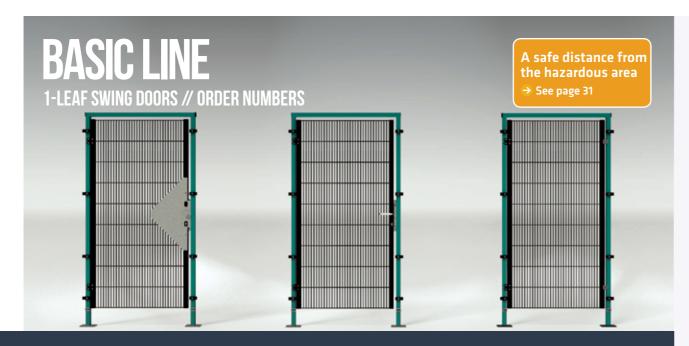


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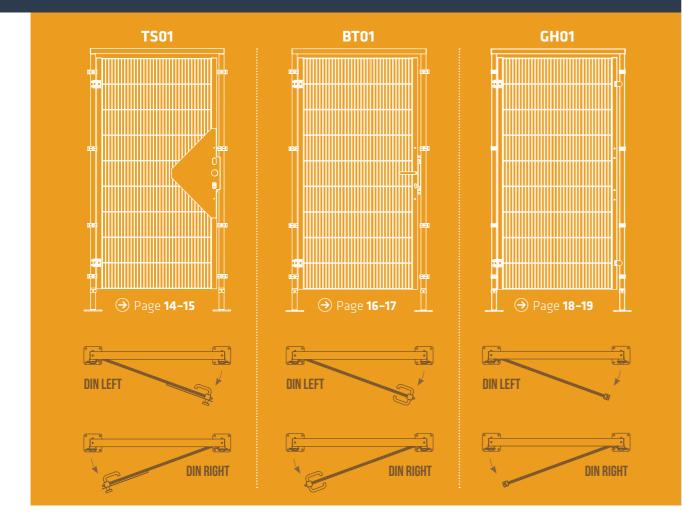
CE

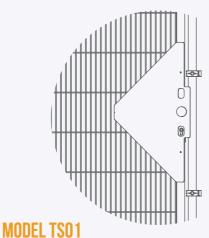




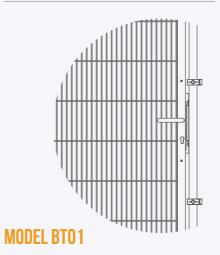
Swing door heights: 2000/2200 mm (Door leaf height 1800/2000 mm)

All door leaves with welded QR 40 lateral rail

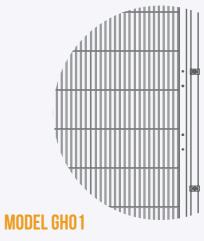




For use as a guard without an interlocking device; suitable for use as a point of maintenance access.



For use as a mobile guard in connection with an interlocking device\*

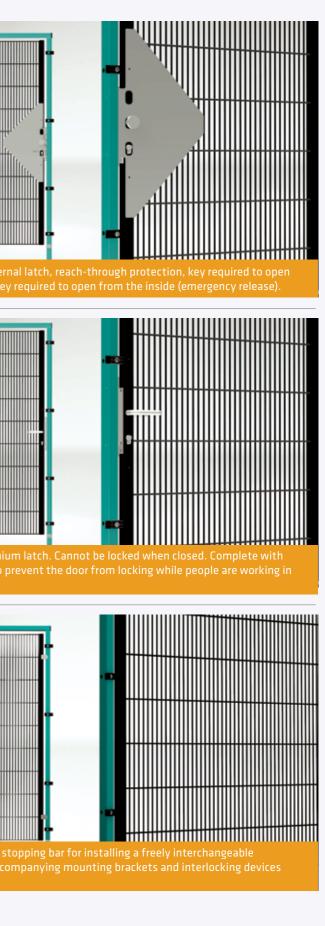


For use as a mobile guard in connectioninterlocking device\*with an interlocking device\*available on red

K

• The interlocking device is not included in the scope of delivery





## **BASIC LINE** 1-LEAF SWING DOOR TSO1 // DETAILS AND ORDER NUMBERS

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1008 Axial dimensions

**OPENING WIDTH** 

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Overall width

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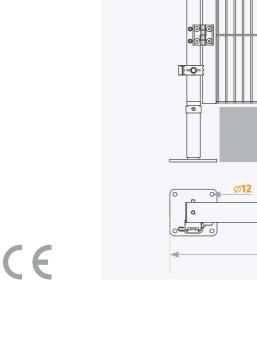
9

## 1-LEAF SWING DOOR TSO1 // ORDER NUMBERS

#### System height 2000 mm

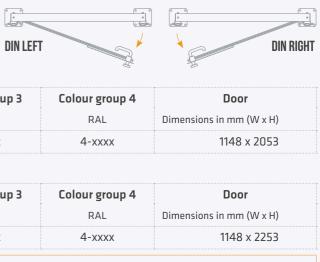
Order no.	Colour group 2	Colour group
	RAL	RAL
BTLR18010019-TS01	2-7035	3-xxxx
System height 2200 mm		
Order no.	Colour group 2	Colour group
	RAL	RAL
BTLR20010019-TS01	2-7035	3-xxxx

Example of a correct order:  $\rightarrow$ Order no. BTLR18010019-TS01 + colour group 2 + RAL colour no. 7035 = complete order number BTLR18010019-TS01-2-7035





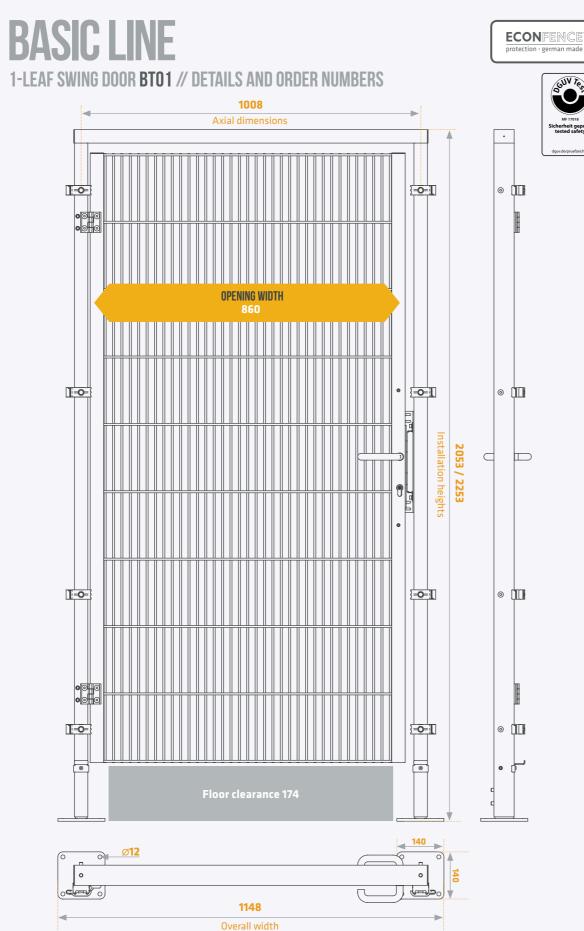






RAL colours are available to download from our website: www.econfence.com/ral.pdf







## 1-LEAF SWING DOOR BTO1 // ORDER NUMBERS

#### System height 2000 mm

Order no.	Colour group 2	Colour group
	RAL	RAL
BTLR18010019-BT01	2-7035	3-xxxx
System height 2200 mm		

Order no.	Colour group 2	Colour grou
	RAL	RAL
BTLR20010019-BT01	2-7035	3-xxxx

Example of a correct order: Order no. BTLR18010019-BT01 + colour group 2 + RAL colour no. 7035 = complete order number BTLR18010019-BT01-2-7035

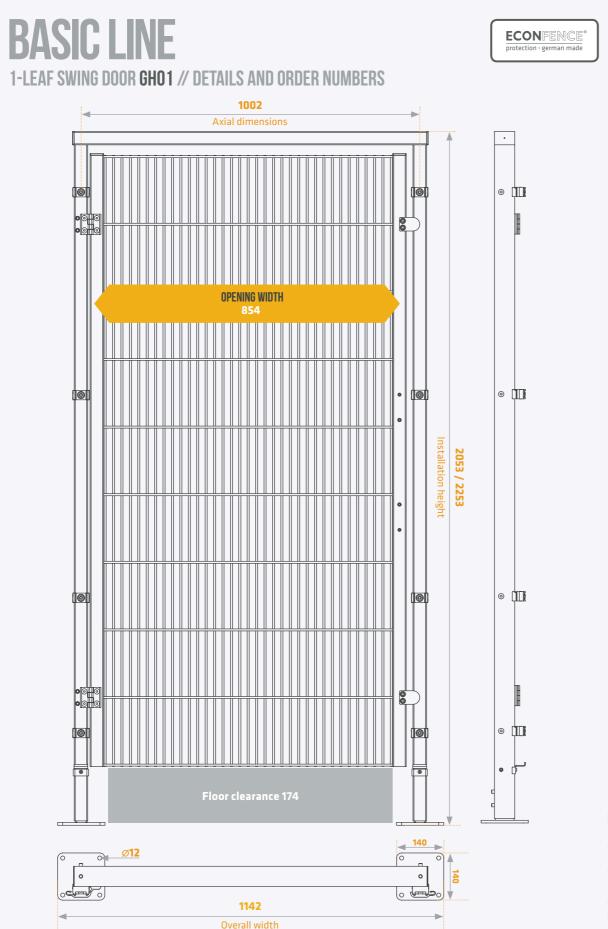






RAL colours are available to download from our website:





## 1-LEAF SWING DOOR GHO1 // ORDER NUMBERS

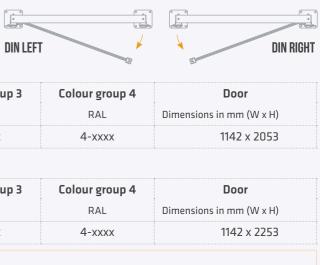
#### System height 2000 mm

Colour group 2	Colour group
RAL	RAL
2-7035	З-хххх
Colour group 2	Colour group
RAL	RAL
2-7035	3-xxxx
	RAL 2-7035 Colour group 2 RAL

Example of a correct order:
Order no. BTLR18010019-GH01 + colour group 2 + RAL colour no. 7035 = complete order number BTLR18010019-GH01-2-7035

All dimensions in millimetre

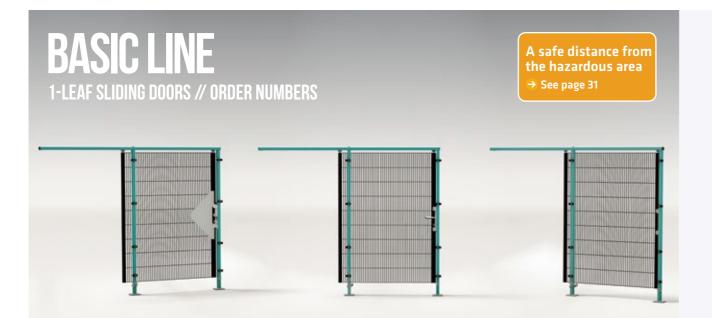






RAL colours are available to download from our website:



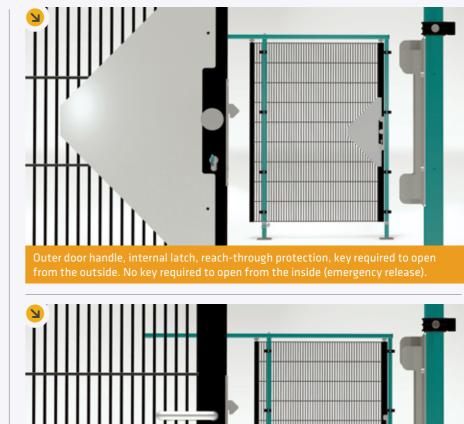


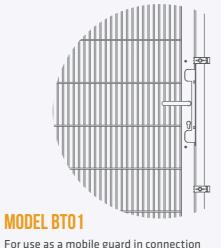
Sliding door heights: 2000/2200 mm (Door leaf height 1800/2000 mm)

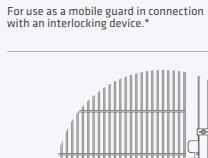
All door leaves with welded QR 40 lateral rail

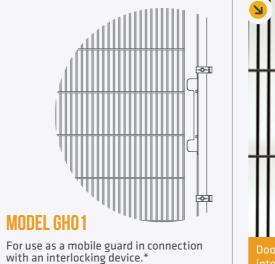


8 -0-1 MODEL TSO1 For use as a guard without an interlocking device; suitable for use as a point of maintenance access.



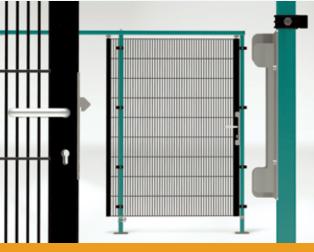








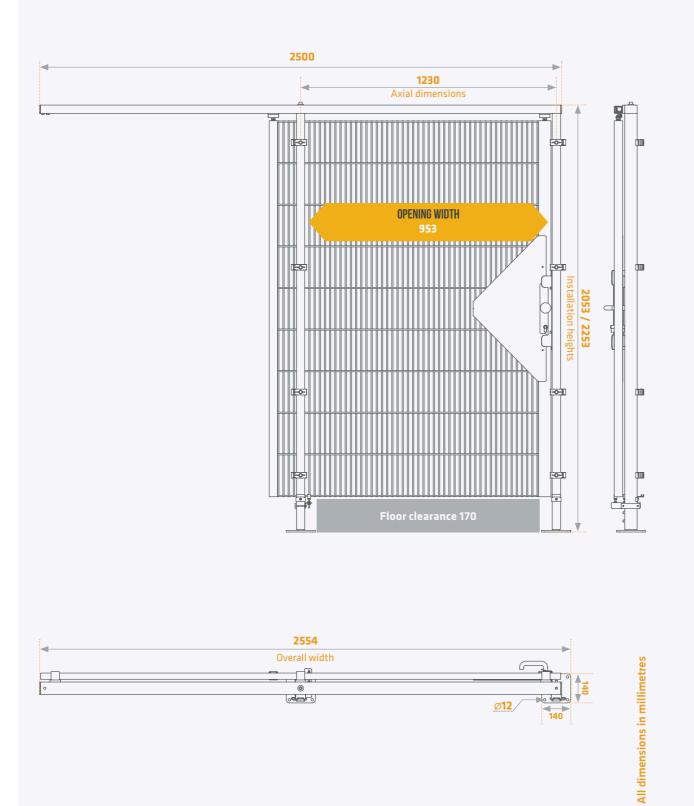
• The interlocking device is not included in the scope of delivery



## **ECON**FENCE tion • ger

### 1-LEAF SLIDING DOOR TSO1 // ORDER NUMBERS

**BASIC LINE 1-LEAF SLIDING DOOR TSO1** // DETAILS AND ORDER NUMBERS



## System height 2000 mm

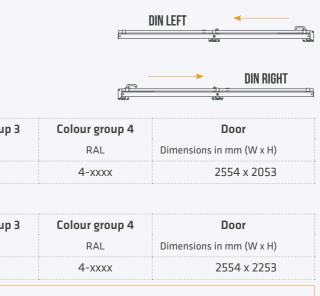
Order no.	Colour group 2	Colour grou
	RAL	RAL
BSTLR18012019-TS01	2-7035	З-хххх
BSTLR18012019-TS01	2-7035	3-x)

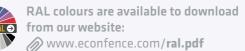
#### System height 2200 mm

Order no.	Colour group 2	Colour group
	RAL	RAL
BSTLR20012019-TS01	2-7035	3-xxxx

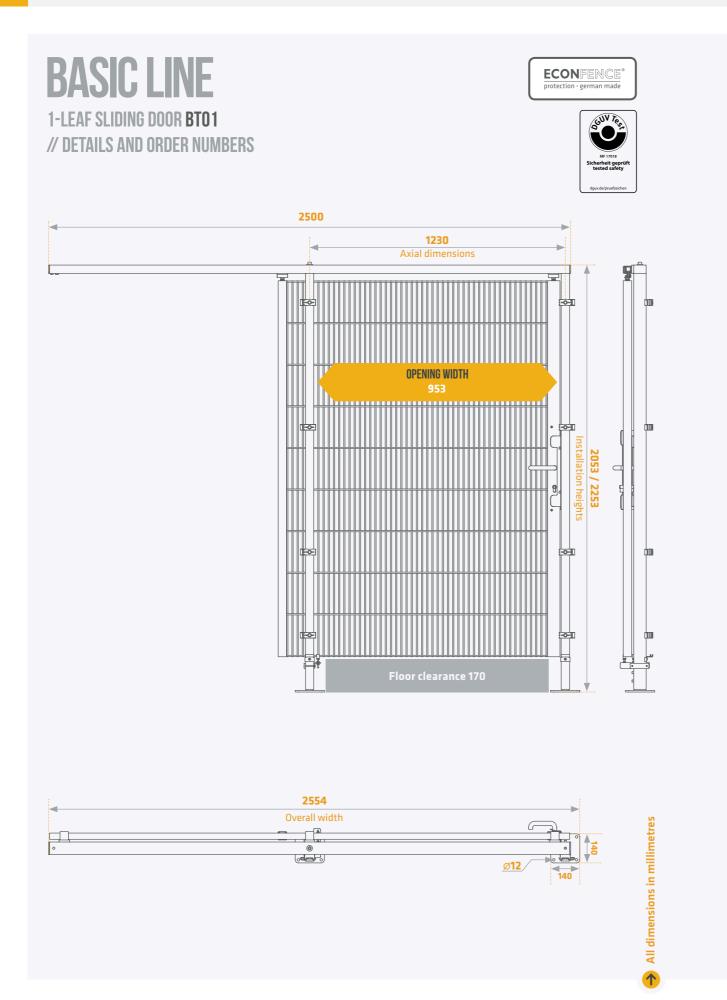
Example of a correct order:

Order no. BSTLR18012019-TS01 + colour group 2 + RAL colour no. 7035 = complete order number BSTLR18012019-TS01-2-7035









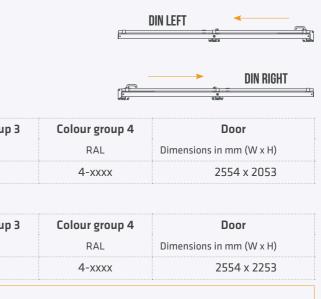
### 1-LEAF SLIDING DOOR BTO1 // ORDER NUMBERS

System height 2000 mm		
Order no.	Colour group 2	Colour group
	RAL	RAL
BSTLR18012019-BT01	2-7035	3-xxxx
System height 2200 mm		
Order no.	Colour group 2	Colour group

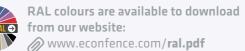
Order no.	Colour group 2	Colour group	
	RAL	RAL	
BSTLR20012019-BT01	2-7035	3-xxxx	

Example of a correct order:





Order no. BSTLR18012019-BT01 + colour group 2 + RAL colour no. 7035 = complete order number BSTLR18012019-BT01-2-7035





## **ECON**FENCE tion • ger

## 1-LEAF SLIDING DOOR GH01 // ORDER NUMBERS

System height 2000 mm

Order no.	Colour group 2	Colour grou	
	RAL	RAL	
BSTLR18012019-GH01	2-7035	З-хххх	

System height 2200 mm

Order no.	Colour group 2	Colour group	
	RAL	RAL	
BSTLR20012019-GH01	2-7035	3-xxxx	

Example of a correct order:

Order no. BSTLR18012019-GH01 + colour group 2 + RAL colour no. 7035 = complete order number BSTLR18012019-GH01-2-7035

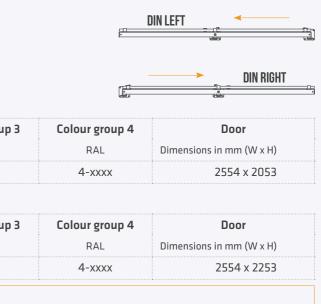
2500 1230 Axial dimensions g\_ E-O-**OPENING WIDTH** Ē / 2253 2554 Overall width - B ۲ <u>ø12</u>/

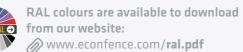
**BASIC LINE** 

**1-LEAF SLIDING DOOR GHO1** 

// DETAILS AND ORDER NUMBERS









**Technical specifications subject to change.** Other widths and heights available on request: Tel: +49 (0) 5223 791995-0 | Fax: +49 (0) 5223 791995-90

27





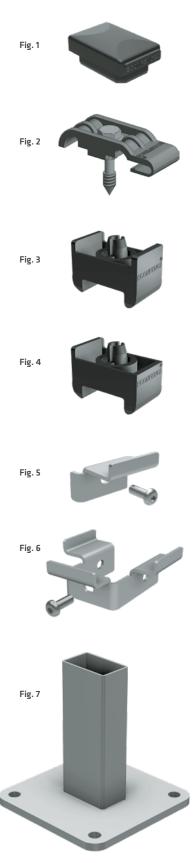




#### **BASIC LINE OVERVIEW / ACCESSORIES AND EXTRAS**

Order no	Designation	Fig
ZB20097	Post cap with collar, black plastic, for a post profile measuring 60x40 mm	1
ZB31004	Clamping element, black plastic, clamping range 4 mm, with pre-assembled steel screw, ST 8x40	2
	mm	
ZB21008	Mesh support, row post (drive-in version), black plastic, for a post profile measuring 60x40 mm	З
LDL1000	Hear support, for post (after in version), stack plastic, for a post prome measuring out to mini-	
ZB21012	Mesh support, corner post (drive-in version), black plastic, for a post profile measuring 60x40 mm	4
ZB10076	Pin chuck for mesh support (wooden)	
ZB31047	Bottom mesh connector for BL row post for a post profile measuring 60x40 mm, with screw	5
ZB31048	Bottom mesh connector for BL universal corner post for a post profile measuring 60x40 mm, with	6
	screw	
7034054		
ZB31051	Assembly set, mesh fixing (drive-in version) for BL row posts	
	5 x ZB31004, clamping element, black plastic, 4 mm, with pre-assembled tapping screw	
	5 x ZB21008, mesh support, row post (drive-in version), black plastic	
	1 x ZB31047, bottom mesh connector for BL row post, with screw	
ZB31052	Assembly set, mesh fixing (drive-in version) for BL corner or door-corner posts, left	
	5 x ZB31004, clamping element, black plastic, 4 mm, with pre-assembled tapping screw	
	5 x ZB21012, mesh support, corner post (drive-in version), black plastic	
	1 x ZB31049, bottom mesh connector for BL left corner post, with screw	
ZB31053	Assembly set, mesh fixing (drive-in version) for BL corner or door-corner posts, right	
	5 x ZB31004, clamping element, black plastic, 4 mm, with pre-assembled tapping screw	
	5 x ZB21012, mesh support, corner post (drive-in version), black plastic	
	1 x ZB31050, bottom mesh connector for BL right corner post, with screw	
S00001	Post insert base for profiles measuring 60x40 mm, 140x140 mm plate, galvanised	7
ISO 7380	Fixing screw for removable post base (2 screws required per base)	
M6x10		
ZB20025	Hilti std stud anchor, galvanised, HSA M10x113 50/40/10 for uncracked concrete	
ZB20025 ZB20027	Hilti capsule adhesive anchor HVU M10x90 with anchor rod HAS M10x90/21 for uncracked concrete	
ZB40001	1-leaf swing door system, fully pre-assembled on delivery, ready to install	
ZB40003	1-leaf sliding door system, fully pre-assembled on delivery, ready to install	
ZB20054	Spray paint, RAL 7035 – Light grey, 400 ml, gloss	
ZB20054	Spray paint, RAL 1021 – Colza yellow, 400 ml, gloss	
ZB20056	Spray paint, RAL 9005 – Jet black, 400 ml, gloss	
ZB20057	Spray paint, RAL 9005 – Jet black, 400 ml, matt	
7040005		
ZB40005	Mesh customisations and recesses according to customer layout	

6 Should you have any further questions, please contact us at any time on +49 (0) 5223 791995-0.



# **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

 $\rightarrow$ 

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 protective fencing system is designed to establish a 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

ISO 14120 Guards

ISO 14119

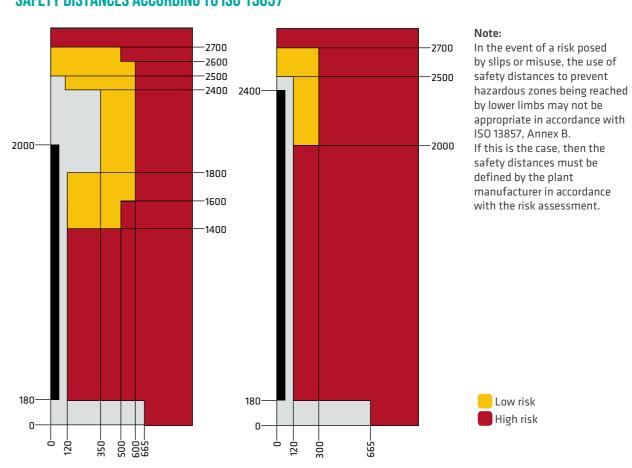
Interlocking devices associated with guards

#### 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



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

# PROFESSIONAL AND ECONOMICAL EMPLOYEE PROTECTION MARKET-LEADING SOLUTIONS RELIABLE. ECONOMICAL. NNOVATIVE 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** 00

Sturdy protection in the robotics and automation industries

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protective fencing solution for automation and production facilities



OUICK

INSTALLATION

GUARANTEED!

CK + FLEXIBLE

TLINE: +49 (0) 5223 791995-0

Appealing and economical solutions for production facilities and warehouse logistics

 $(\mathbf{\uparrow})$ 

# **EVEN MORE INDUSTRY SOLUTIONS FOR YOU**







#### TIEMANN

Schutz-Systeme GmbH Lübbecker Straße 16 32257 Bünde | Germany T+49 (0) 5223 791995-0 F+49 (0) 5223 791995-90 info@econfence.com www.econfence.com

## Y)

#### **GUARANTEED SECURITY AS STANDARD:**

⊘ DGUV TYPE-TESTED

○ COMPLIANT WITH MACHINERY DIRECTIVE 2006/42/EC

CE

- ◎ EC DECLARATION OF CONFORMITY
- CE MARKING
- ◎ OPERATING INSTRUCTIONS