

# DOCK GATE



## FALL PROTECTION SYSTEM AND IMPACT-RESISTANT BARRIER ARM FOR LOADING AREAS

The FLEX IMPACT® **DOCK GATE** is a safety gate with double bars that acts as fall protection at loading docks or as an impact-resistant barrier arm to close off access to a specific area.

The safety gate features an assist mechanism and ergonomic handles to the side and underneath for smooth and easy operation.

## PROTECTION AGAINST IMPACTS UP TO **16 kJ**

**THE FIRST AND ONLY ONE IN THE WORLD TO BE TESTED  
FOR BOTH THE BARS AND POSTS ACCORDING  
TO THE UNI TS 11886 STANDARD.**

Thanks to the tube-in-tube structure and strong base plates, the gate provides protection against impacts up to 16 kJ, both to the bars and to the posts.

The design is very compact, ensuring no valuable space is lost. For easy assembly, the DOCK GATE features removable bars. Installation is also quick, as a DOCK GATE consists of three pre-assembled elements.



**DG250F**  
**16 kJ**  
\* TÜV NORD Certified

**DG250R AE**  
**10.2 kJ**

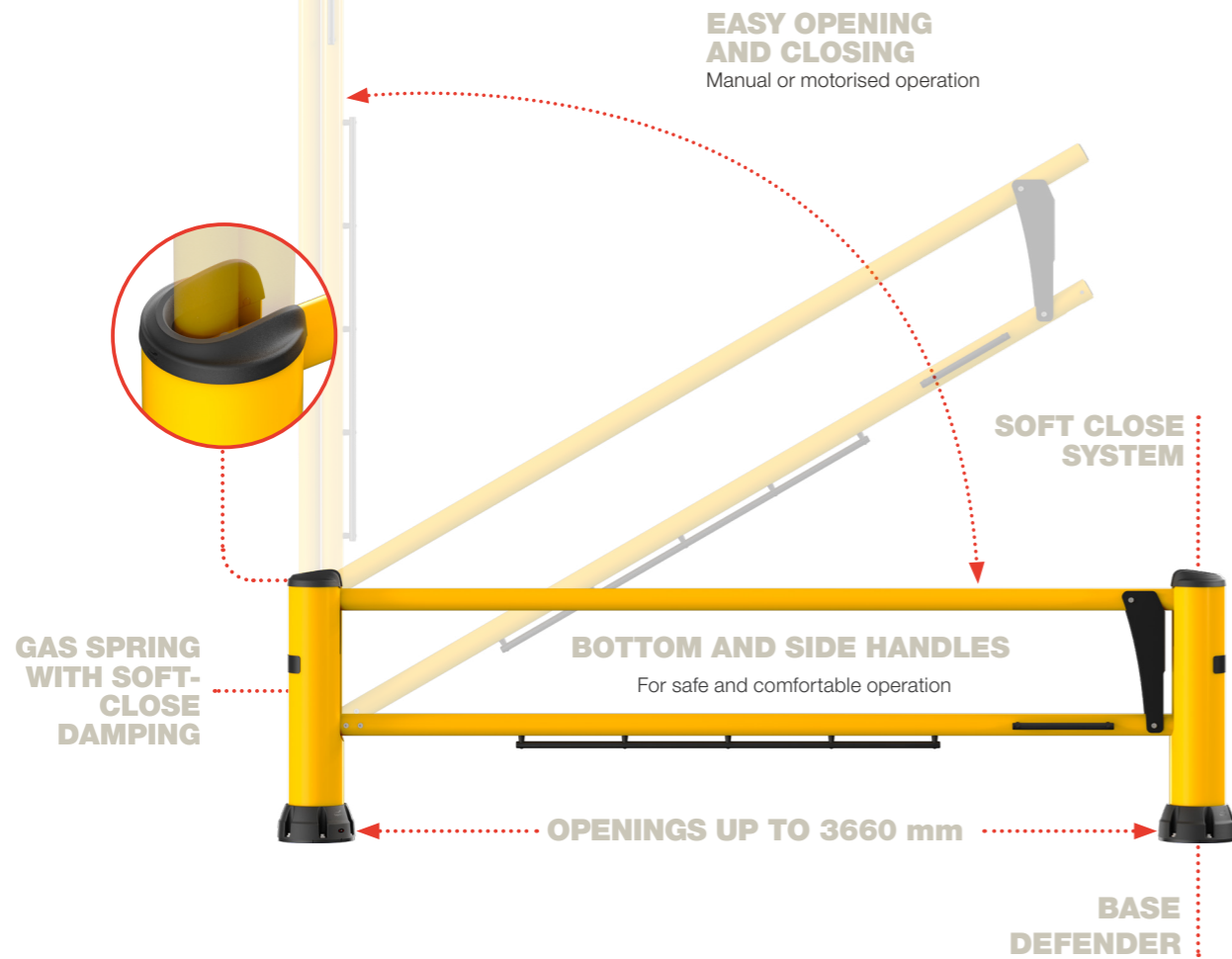
**DG250R**  
**10.2 kJ**



Our DOCK GATES are made of EXTRILENE®, a high-quality polymer material. This material is ideal for absorbing heavy impacts.

## EXTRILENE®

Crash tests have demonstrated that our DOCK GATES can withstand impacts of 16 kJ. Both to the bars and to the posts. The deformation that occurs after each collision disappears once the vehicle has gone.



## KEY FEATURES AND BENEFITS



### EASY INSTALLATION DUE TO MODULAR DESIGN

Our DOCK GATE is constructed using a minimum of components. Moreover, all parts are neatly concealed within the posts. Thanks to its highly compact design, the gate takes up very little space. For easy assembly and transport, the DOCK GATE features removable bars.



### RESISTANT TO CHEMICALS AND UV RADIATION

Our DOCK GATES are resistant to chemicals and UV radiation. They are perfect for environments where chemicals are frequently used or where strict hygiene standards apply. Bacteria do not adhere to the polymer and it is easy to clean.



### OPTIMAL VISIBILITY

The standard colour for these safety gates is yellow. Yellow draws attention and increases safety awareness.



### LOW MAINTENANCE

A FLEX IMPACT® DOCK GATE requires little maintenance. With proper use, our systems last a very long time.



### A REVOLUTIONARY BASE PLATE

An optimised base plate increases impact resistance. The Base Defender protects the screws that anchor the round base plate to the floor. This protective cover, made of durable elastomer, makes it physically impossible to drive over the base plate and damage the screws. The Base Defender is wider than the bollard. This creates a free space and prevents crushed fingers.



### STRONGER THAN EVER

The DOCK GATE features Extrilene® tubes of various lengths, bolted to the base plate. The different tubes provide optimal impact absorption through deformation and friction.



## TYPICAL ENVIRONMENTS

Fall protection system and impact-resistant barrier arm for loading and unloading areas in:

- Distribution centres
- Transport & logistics centres
- Warehouses and storage facilities
- Logistics, supply chain and material handling



**DOCK GATE** at entrance to Aliaxis warehouse (the Netherlands). Forklifts drop off pallets in front of the barrier arm. Hand pallet trucks pick up the goods from there.



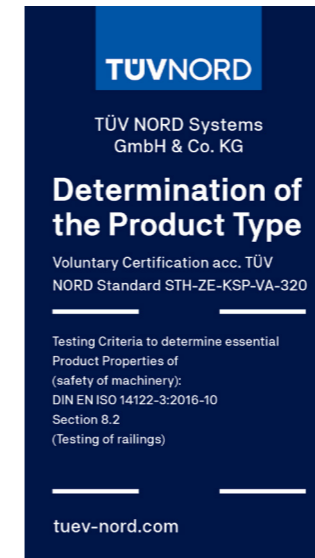


## MANUALLY OPERATED DOCK GATE



**DG250R**  
10.2 kJ TO THE BARS AND POSTS

## MANUAL DOCK GATE THE STRONGEST POLYMER GATE IN THE WORLD



**DG250F**  
16 kJ TO THE BARS AND POSTS

## MOTORISED DOCK GATE

### SAFE CLOSING MECHANISM

If the bars hit an obstacle during closing, the gate reopens.

### WARNING LIGHT

Red: in operation  
Green: idle

### CONTROL WITH DEAD MAN'S SWITCH

### ELECTRIC PUMP HIDDEN IN POST



**DG250R AE**  
10.2 kJ TO THE BARS AND POSTS

## TEST CENTRE

At our indoor test centre, we can run tests at any time, regardless of the weather or external factors. This controlled environment allows us to create repeatable conditions, ensuring accurate and precise results.

We meticulously simulate scenarios, from different floor conditions to impact angles, replicating the real-world challenges our DOCK GATES face.

The DOCK GATES are tested according to the PAS13 test method and the latest UNI TS 11886 impact standard.

