



## Innovative fire protection Fast, precise, dependable

### Highest safety for passengers and crew

With our comprehensive range of Fire Safety Products for ships and offshore installations, we ensure that passengers and crew can feel safe on all the seven seas.

Technical solutions by KAEFER meet the fire safety specifications defined in international standards.

This brochure shows the main features of our products:

- > Fire Sliding Doors A-60
- > Fire Roller Shutters A-60 and A-O
- > Fire Roller Shutters A-60 and A-O SlimLine
- > Fire Stacking Barriers A-60

Our website [www.kaefer.com](http://www.kaefer.com) provides more figures, information and details of our products.



### Certified quality for all products

Our Fire Safety Products are subject to continuous improvements. All modifications are assessed in separate test series and finally certified by recognised authorities. This permanent internal and external monitoring guarantees the maximum safety of all components — from the materials to the finished product.

### Well thought-out fire safety systems save lives

The main purpose of effective fire protection for yachts, passenger ships, navy vessels and offshore facilities is to prevent the spread of fire. Enclosed spaces have to be protected against fire in adjacent areas while remaining accessible themselves. Our products enable the fire-safe partition of individual rooms and fire boundaries. This is one of the main conditions for improved protection of life at sea.

Experience and innovation, theory and practice — the relation between the two never stops creating new ideas. We use our experience in designing, building and installing fire safety products to continuously refine our range of products and technical solutions. This development work is focussed on maximum safety and reducing risks to a minimum.



## Fire Sliding Doors

### Experience and versatility

Fire Sliding Doors from KAEFER have been in permanent service for more than 25 years on cruise ships, yachts, ferries and many other ship types worldwide.

### High-quality materials

In addition to technical functionality, fire safety makes very special demands of all the materials used. They should offer maximum fire protection, be as light as possible and withstand mechanical stresses at the same time.

### Fire safety and cost-effectiveness

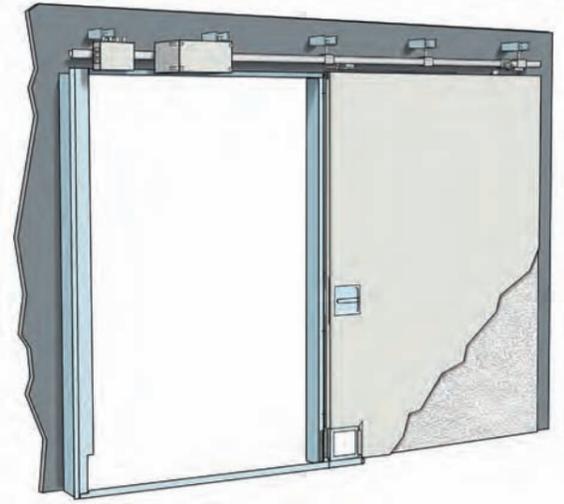
The core of our sliding doors is made of a composite material that offers compelling weight savings without compromising on fire safety.

### Dependability, know-how and individuality

Shipyards, owners, flag authorities and classification societies can rely on the advice and support of our experts. Irrespective of the location and the technical requirements, we will provide the right, tailor-made solution.

### Maintenance

- Long lasting with low maintenance
- Types** Single and double sliding doors
- Frame** Welded or screwed
- Materials** Galvanised steel or stainless steel, door leaves in light composite material



Fire Sliding Doors A-60

Max. W x H = 5,000 x 5,000 mm  
Max. clear opening = 25 m<sup>2</sup>



## Fire Roller Shutters

### Flexible design options and maximum safety

Nowadays, new passenger ships are designed with large open spaces like shopping malls and wellness areas. These areas require special attention with respect to fire protection.

### Innovation for modern ship architecture

The Fire Roller Shutters for all open, spacious areas on ferries, yachts, cruise ships, navy vessels and offshore facilities combine optimal fire protection with modern design and maximum reliability. At the same time, the bulkhead closures between these areas should be as indiscernible as possible. Due to the complex technical installations on board modern ships, the provided space is restricted to a minimum for all areas.

### Our new product series: "SlimLine"

Based on these demands, KAEFER has designed Fire Roller Shutters SlimLine in the fire classes A-60 and A-O. This is an absolute novelty in the shipbuilding world. Compared with conventional types of shutters, the SlimLine series provides significant savings in installation dimensions and weight.

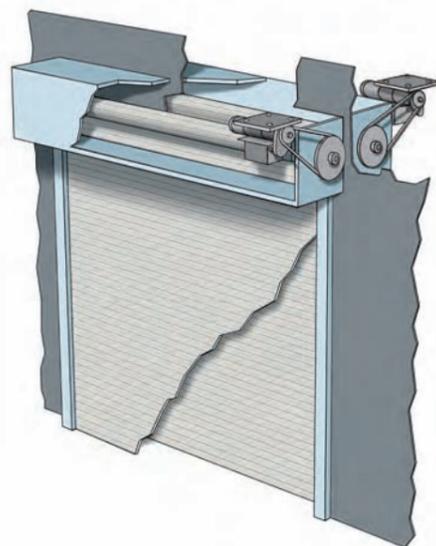
- Safety** Fail-safe operation by gravity closing in case of fire, safety strip to prevent injuries
- Maintenance** Long lasting with low maintenance
- Guide rails** Welded or screwed
- Materials** Galvanised steel, stainless steel



### Resistant to wind and weather at sea

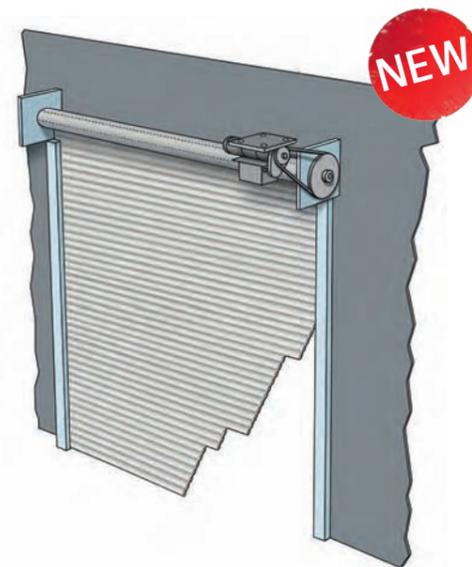
At sea, large openings must be resistant to strong winds and climatic conditions. This applies to the materials as well as to particularly robust constructions.

The Fire Roller Shutters SlimLine A-O for outdoor use comply with wind class 4. This corresponds to approx. 150 km/h or level 13 of the Beaufort scale.



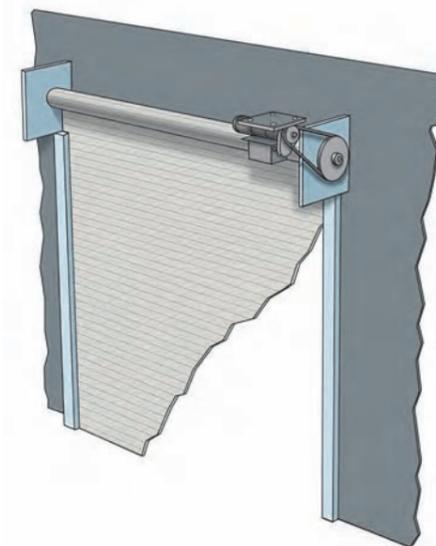
Fire Roller Shutters A-60

Max. W x H = 15,000 x 9,250 mm  
Max. clear opening = 138 m<sup>2</sup>



Fire Roller Shutters A-60 SlimLine

Max. W x H = 4,360 x 4,150 mm  
Max. clear opening = 18 m<sup>2</sup>



Fire Roller Shutters A-O

Max. W x H = 15,000 x 9,250 mm  
Max. clear opening = 138 m<sup>2</sup>



Fire Roller Shutters A-O SlimLine

Max. W x H = 3,036 x 2,295 mm or 2,525 x 2,760 mm  
Max. clear opening = 7 m<sup>2</sup>