

HIGHLIGHTS 2022



SALES
WORLDWIDE

92 %
FROM IN-HOUSE
PRODUCTION

IN-HOUSE
MOULD MAKING

**Ingenious Locking Technology
for the Railway Industry**

In-house production

2,100 employees

Own production at 11 international locations

Represented in 55 countries worldwide

More than 30,000 catalogue and special products

More than 36,000 customers worldwide



Company headquarters Velbert, Germany



Henriville, France



Birmingham, UK



Wuppertal, Germany



Arnedo, Spain



Tianjin, China



Goražde (Plant 1), Bosnia-Herzegovina



Mionica, Serbia



Bhilai, India



Goražde (Plant 2), Bosnia-Herzegovina



Bandung, Indonesia

- Company headquarters
- Production site
- Subsidiary
- Agency

Solutions for the railway industry

Particularly in trains, special requirements apply to safety - even in the smallest detail. For example, the regulations on fire protection according to DIN EN 45545 play a major role for the railway industry.

In this area, EMKA provides its railway customers with complete systems of locks, latches, hinges and accessories that meet this standard. In addition, there are seals for interior and exterior use, which are integrated into a well thought-out locking system program for the railway industry.

The wide product range of EMKA comprises outdoor as well as indoor applications for the railway industry. Well-known manufacturers such as Alstom, Bombardier, Siemens, Stadler, Voith or Vossloh have been our customers for many years.

As a long-time system partner of the railway and transport industry EMKA is constantly working on new and innovative products. In addition to newly developed and enhanced locking solutions, EMKA complements its product portfolio with innovative quarter turns, special hinges, handles, seals and special solutions, thus responds to the current requirements of the market.

EMKA already has the trends that will become the standard tomorrow!



Flat swinghandle in two sizes with locking set

- Due to the flat design of the swinghandle, there is no risk of injury when walking by
- The captive locking device cover is integrated in the spring-loaded handle
- The locking module can be easily replaced to the front when installed (locking sets)
- The long swinghandle can be supplied with single-point or multi-point locking
- The short swinghandle is also available with 6 mm compression function
- Protection class IP66 guarantees tightness against moisture and dirt
- Swinghandle and locking set are powder-coated and made of zinc die
- Suitable for standard cut out 50/50/50



Compression latch with optical opening indicator

- Clearly better recognisability of the locking status due to the red-green areas and Ø 40 mm head diameter
- Wipe-tested according to DIN EN 62208 chap. 9.3 and DIN EN 61439-1 chap. 10.2.7
- Retainer for cams of 4 mm and 6 mm material thickness
- Standard cut out, Program 1000
- Material: Stainless steel AISI 316
- Available with and without PUR foam seal, depending on IP requirement
- Shock and vibration tested according to DIN EN 61373 Cat. 1B
- Protected design

Compression latch with red-green marking

- Good recognizability of the locking positions due to color-coded lock symbols
- Low-profile aerodynamic head design for less wind resistance in outdoor use and less risk of injury in indoor use
- Right and left versions available
- Standard cut out, Program 1000
- Material: Stainless steel AISI 316 polished
- Protection class IP 69K
- Shock and vibration tested according to DIN EN 61373 Cat. 1B



Compression latch with cover and optical opening indicator

- Optical opening indicator clearly visible due to 90° upright flap when not closed
- Flap closes automatically when completely closed
- Integrated dust cap
- The flat seal cushions the flap and prevents damages to the door
- Right and left versions available
- Standard cut out, Program 1500
- Protection class IP 69K
- Patented
- Shock and vibration tested according to DIN EN 61373 Cat. 1B



Hybrid compression latch

- Combination of stainless steel and aluminum
- Weight savings approx. 30%
- Protection class IP 65
- Various inserts available (square, triangular, railway, etc.)
- Right and left versions available
- Standard cut out, Program 1000
- Shock and vibration tested according to DIN EN 61373 Cat. 1B
- Fire protection tested acc. to DIN EN 45545-3 - E20





Fire protection seals, also as rings, corners, frames

- Flame retardant for more safety
- Profile geometry also individually according to customer requirements
- Readily customized frames and rings according to customer specifications possible
- Reliable top quality from in-house production in Europe
- Fire protection tested acc. to DIN EN 45545-2 HL3

Hinge with captive pin

- Detachable door
- Captive pin
- Compact construction
- High strength
- Material: Stainless steel AISI 304
- Surface polished and blasted



Emergency hammer - various versions

- Emergency hammer in two versions:
 - Emergency hammer Basic
 - Emergency hammer with hand protection (certified fire protection acc. to HL3)
- Holder in two versions:
 - Basic
 - Holder with hidden anti-theft protection
- Uniform cut out of the holders (Basic and with integrated anti-theft protection)
- Glass fibre-reinforced plastic, which meets the prescribed fire protection regulations
- Hardened steel tip, destroys tempered and laminated glass as well as insulating glass
- Fire protection tested acc. to DIN EN 45545-2 HL3



Multi-point locking system with compression function

- Compression function with compression distance 4 mm
- Latch and cut out independent for compression latch system
- Corner guide can be used for additional latches in transverse installation
- High closing comfort
- Patented

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