



# Innovations for HVACR Systems according to VDI 6022 at a glance

2018 / 2019



- Company headquarters
- Production site
- Subsidiary
- Agencies



# EMKA worldwide

The EMKA GROUP is the world market leader for locking systems, hinges and gasketing that are used in switch and control cabinets. In the areas air conditioning technology and transport, EMKA is one of the leading manufacturers of locking technology.

With 2,100 employees we serve over 30.000 customers in 52 countries worldwide.



# Production in Europe



Company headquarters Velbert, Germany



Goražde (Plant 1), Bosnia-Herzegovina



Wuppertal, Germany



Henriville, France



Arnedo, Spain



Birmingham, UK



Goražde (Plant 2),  
Bosnia and Herzegovina



Mionica, Serbia

## Sales Worldwide



Kittsee, Austria



Interlaken, Switzerland



Bourré, France



Veghel, Netherlands



Bedzin (Katowice), Poland



Pastrengo, Italy



Arnedo, Spain



Coventry, UK



Jönköping, Sweden



Sibiu, Romania



Middletown, USA



Çerkesli-Dilovşı (Istanbul), Turkey



Tjanjin, China



Bangalore, India



Dubai, UAE

Currently, the overall range comprises more than 15,000 articles, which are developed, manufactured, refined and assembled at eight production sites in Germany, France, Great Britain, Spain, Bosnia-Herzegovina and Serbia.

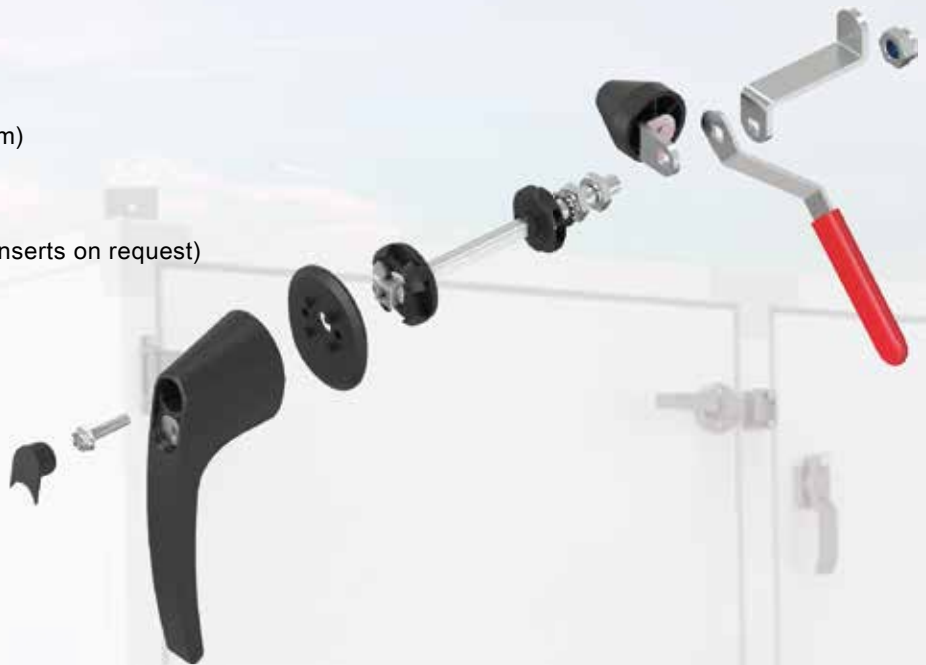
In the EMKA Technology Centre the innovative products of tomorrow are created. 30 designers and design engineers convert ideas into finished products in close collaboration with the customer. To this day around 20.000 additional special parts have been created and all of them were intensely tested in our internal test lab like every EMKA product.

The high quality and product standards are guaranteed by an excellent manufacturing know-how and by the certified process control according to ISO 9001.

The in-house tool and mould making as well as state-of-the-art development, manufacturing and testing methods ensure a maximum of product quality and reliability.

### Modular locking system

- New modular handle with an innovative design
- Suitable for doors opening inwards and outwards
- Suitable for various door thicknesses (25 - 100 mm)
- Fits 3 standard cut outs (13 mm, 19 mm, 24 mm)
- Variety of locking options (round cylinder, blind plug, square insert, further inserts on request)
- Roller Cam with Adjustable Clamping Load
- Adjustable eccentric roller
- Removable handle during transport
- Meets the industry-specific national and international standards
- Conforms with the entire EMKA range
- Material: Polyamide with 30% glass filled (VDI 6022 / ISO 846 compliant materials)
- Air Tightness class L1-L3 possible
- Protected design



### Surface mounted modular door lock with internal handle

- New modular locking system especially for use on large doors (>1.6 m door height)
- Various inserts and handle options in combination with different cams possible (stepped cam, pressure relief cam, etc.)
- System for various door thicknesses (30 mm - 60 mm)
- Also available as a version without inside handle
- VDI 6022 / ISO 846 compliant materials



### Compression Latch-Hinge with emergency opening

- Especially suitable for use on large doors (>1.6 m door height)
- When the door is closed, the latch is adjustable (3 mm) to achieve perfect alignment
- The favorable pivot point of the handle allows for low actuation forces a seal compression of 5 mm
- Door or panel can be removed by unlatching the handles on both sides
- 3D Adjustable (tolerance compensation)
- Latch-Hinge can be mounted as one piece with the door in place
- Right or left hinged
- Hinge 180° opening angle
- Available with or without pressure relief
- Patent submitted
- VDI 6022 / ISO 846 compliant materials
- ATEX compliant explosion protection version available on request



## Solutions for HVACR-Systems

EMKA does not only provide every kind of gasket but also locking systems and hinges, i. e. complete HVACR locking solutions from one single source!

It stands out due to its modular structure, versatility and high quality. The EMKA locking solutions comply with the special requirements of the sector and meet the relevant standards such as DIN EN 1886 or VDI 6022.



### Compression Latch-Hinge large

- For door surfaces > 0.8 m<sup>2</sup>
- The favorable pivot point of the handle allows for low actuation forces a seal compression of 5 mm
- When the door is closed, the latch is adjustable (3 mm) to achieve perfect alignment
- Door or panel can be removed by unlatching the handles on both sides
- Hinge 180° opening angle
- 3D Adjustable (tolerance compensation)
- Available with or without pressure relief
- ATEX compliant explosion protection version available on request
- Patent submitted



### Compression Latch-Hinge small

- For door surfaces < 0.8 m<sup>2</sup>
- 40 % reduced size  
→ significant price advantage
- The favorable pivot point of the handle allows for low actuation forces a seal compression of 5 mm
- Door or panel can be removed by unlatching the handles on both sides
- Hinge 180° opening angle
- 2D Adjustable (tolerance compensation)
- Available with or without pressure relief
- ATEX compliant explosion protection version available on request
- Patent submitted



### 3D-unit connector

- Spherical shaping allows 3D positioning with max.  
X-axis 7 mm  
Y-axis 3 mm  
Z-axis 5 mm
- Fixing by M6 cylinder screws or riveted bolts possible
- Socket head screw inclusive
- Industry standard mounting dimensions
- Covering cap optionally available
- VDI 6022 / ISO 846 compliant materials



### Bow-type handle

- Ergonomic bow-type handle made of reinforced polyamide
- Mounting of the bow-type handle by choice. The use of cylinder head screw, hexagon head screw, counter-sunk screw or nuts can be accommodated, depending on the version
- Handle and cover are available in color and / or antibacterial version (on request)
- Bow-type handle also usable without cover
- Protected design



In addition, EMKA provides individual special solutions that arise in dialogue with the customer.

Whether locks, handles, hinges or gaskets for diverse applications: EMKA products always stand for maximum safety and reliability.

As a long-time system partner of the HVACR 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 locking systems, special hinges, gasketings and special solutions, thus responds to the current requirements of the market.

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

# EMKA Subsidiaries Worldwide:



- ALGERIA**  
EMKA France  
Tel. +33/254/320862  
emka@emka-france.com
- ARMENIA**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- AUSTRIA**  
EMKA Beschlagteile Ges.m.b.H.  
Tel. +43/2143/43063  
info@emka-beschlagteile.at
- AUSTRALIA \***  
Lock Focus Pty. Ltd.  
Tel. +61/3/97981322  
lockf@lockfocus.com.au
- AZERBAIJAN**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- BELARUS**  
EMKA Polska Sp.Z o.o.  
Tel. +48/323606026  
info@emka.net
- BELGIUM**  
EMKA Benelux B.V. Service Office  
Tel. +31/413/323510  
sales@emka.org
- BOSNIA-HERZEGOVINA**  
EMKA Bosnia d.o.o. Goražde  
Tel. +38/738/241310  
info@emka.ba
- CANADA**  
EMKA Inc.  
Tel. +1/717/9861111  
info@emkausa.com
- CHILE \***  
NDU Ingenieria Ltda.  
Tel. +56/63/2672240  
info@ndu.cl
- CHINA**  
EMKA Industrial Hardware CO.Ltd.  
Tel. +86/22/82123759  
info@emka.cn
- CROATIA**  
EMKA Okovi d.o.o.  
Tel. +385/35/270073  
info@emka-okovi.hr
- CZECH REPUBLIC**  
EMKA Beschlagteile CZ  
Tel. +43/214343063  
info@emka-solutions.cz
- DENMARK \***  
A/S Megatrade Beslag  
Tel. +45/44916700  
mega@megatrade.dk
- ESTONIA**  
EMKA Polska Sp.Z o.o.  
Tel. +48/323606026  
info@emka.net
- FINLAND**  
EMKA Scandinavia  
Tel. +46/36/314130  
info@emka.se
- FRANCE**  
EMKA France  
Tel. +33/254/320862  
emka@emka-france.com
- GEORGIA**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- GREECE \***  
EMKA Hellas  
Tel. +30/21041/83183  
info@emka-hellas.com
- HUNGARY**  
EMKA Beschlagteile  
Tel. +36/1/2360032  
info@emka.hu
- INDIA**  
EMKA India P. A. Pvt. Ltd.  
Tel. +91/80/48542727  
info@emka.in
- ISRAEL \***  
Kornass Mechanical Engineering  
Tel. +972/76/5400789  
sales@kornass.com
- ITALY**  
EMKA Italia s.r.l. Unipersonale  
Tel. +39/045/6471070  
info@emka.it
- JAPAN \***  
TOCHIGIYA Co., Ltd  
Tel. +81/48/2283072  
support@tochigiya.co.jp
- KAZAKHSTAN**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- LATVIA**  
EMKA Polska Sp.Z o.o.  
Tel. +48/323606026  
info@emka.net
- LITHUANIA**  
EMKA Polska Sp.Z o.o.  
Tel. +48/323606026  
info@emka.net
- MEXICO**  
EMKA Mexico Beschlagteile  
Tel. +52/44/22095217  
info@emka.mx
- MONTENEGRO**  
EMKA Bosnia d.o.o. Goražde  
Tel. +38/738/241310  
info@emka.ba
- NETHERLANDS**  
EMKA Benelux B.V.  
Tel. +31/413/323510  
info@emka.org
- NORWAY**  
EMKA Scandinavia  
Tel. +46/36/314130  
info@emka.se
- POLAND**  
EMKA Polska Sp.Z o.o.  
Tel. +48/323606026  
info@emka.net
- PORTUGAL**  
EMKA Beschlagteile Ibérica S.L.  
Tel. +351/910904688  
info@emka-iberica.pt
- ROMANIA**  
S.C. EMKA Beschlagteile S.R.L.  
Tel. +40/269/222700  
info@emka.ro
- RUSSIA \***  
OOO "MK Komplekt"  
Tel. +7/812/4492928  
info@mk-kom.ru
- SERBIA**  
EMKA Okovi d.o.o.  
Tel. +385/35/270073  
info@emka-okovi.hr
- SINGAPORE \***  
VF Fastening Systems PTE Ltd.  
Tel. +65/675/23033  
vincent@vffastening.com.sg
- SLOVAKIA**  
EMKA Beschlagteile Ges.m.b.H.  
Tel. +43/214343063  
miro.emka@ba.telecom.sk
- SOUTH AFRICA \***  
Enclosure Solutions  
Tel. +27/11/9737260  
info@enclosuresolutions.co.za
- SOUTH COREA \***  
Geo Jeon Co. Ltd.  
Tel. +82/314/335508  
geojeon@emkakorea.co.kr
- SPAIN**  
EMKA Beschlagteile Ibérica S.L.  
Tel. +34/672262672  
info@emka-iberica.es
- SWEDEN**  
EMKA Scandinavia  
Tel. +46/36/314130  
info@emka.se
- SWITZERLAND**  
EMKA Beschlagteile AG  
Tel. +41/33/8260220  
info@emka.ch
- TURKMENISTAN**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- TURKEY**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- UAE**  
EMKA Middle East FZE  
Tel. +971/42844528  
info@emka.ae
- UKRAINE**  
EMKA Ukraine  
Tel. +38/096/7535875  
info@emka.in.ua
- UNITED KINGDOM**  
EMKA (UK) Ltd.  
Tel. +44/2476/616505  
info@emka.co.uk
- USA**  
EMKA Inc.  
Tel. +1/717/9861111  
info@emkausa.com
- UZBEKISTAN**  
EMKA Kilit Sistemleri Metal Sanayi ve Ticaret Ltd. Şti.  
Tel. +90/262/2909097  
info@emkakilit.com.tr
- VIETNAM \***  
Terramar Engineering and Machinery (Pte.) Ltd.  
Tel. +84/8/39153209  
cam@terramar.com

© EMKA - Art.-Nr. 2920 - 10.18/EN/A1/V1/0.2 - Printed in Germany

\* Agencies

## EMKA Production Sites:



# www.EMKA.com



EMKA Beschlagteile GmbH & Co. KG

Langenberger Str. 32 • 42551 Velbert, Germany • Tel.: +49/2051/273-0 • Fax: +49/2051/273-128 • E-Mail: info@emka.com • www.emka.com