# GIRO RFID MIFARE

The new RFID turn-handle lock for lockers: GIRO. This battery operated lock eliminates the need for mechanical keys in the every day operation and provides secure access control by using proven RFID technology. With the GIRO you'll be able to lock and unlock your locker with ease, using your existing transponders. Battery changes and emergency openings can easily be performed by using the service key from the front even when the door is locked while retaining all settings. You'll never have to worry about being locked out again. This lock is also incredibly easy to retrofit against old mechanical locks, making it the perfect choice for modernizing your locker system and making it a cost-effective solution for upgrading security. Say goodbye to lost or forgotten keys and hello to a seamless, secure, and modern solution. This lock is perfect for schools, gyms or any other place where lockers are in use. With the option to configure the lock with either RFID cards or the LEHMANN Management Software LMS, you can choose the solution that suits your needs best.



## Main features

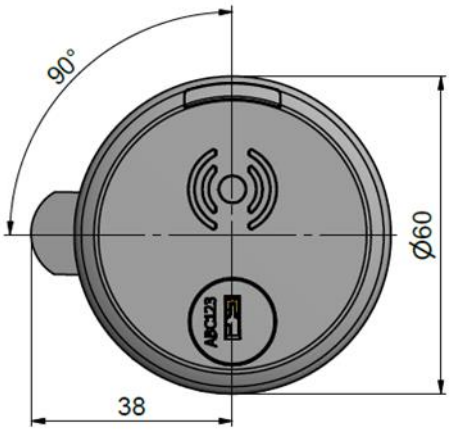
- RFID MIFARE® lock with integrated antenna
- Change of operating mode (assigned use or shared use)
- Up to 250 transponders can be programmed
- Compatible with transponders or LEHMANN Transponder App (only for NFC enabled Android smartphones)
- Use of existing transponders (compatibility check is required)
- Configuration via transponder cards or with the LEHMANN Management Software LMS
- Use of the lock as a handle on the furniture door
- Acoustic and optical signalling, highly visible LED in 3 colours (red, yellow, green)
- Battery type: 1 x CR123A
- Battery lifetime: up to 30.000 locking cycles in assigned use mode
- Mechanical service cylinder for emergency opening and battery changes
- Direction of rotation R / L can be selected for left or right hinged doors
- Perfect match for metal lockers with a standard stamping 16x19 mm

## Technical specifications

| | |
|---|---|
| Frequency | 13,56MHz, MIFARE® |
| RFID technology | MIFARE® Classic, MIFARE® DESFire® EV1 & EV2<br>Support of NFC-enabled Android smartphones incl. LEHMANN Transponder App when configured by master card or LEHMANN Management Software LMS 2.x. Firmware Vers. 2.x is required in the lock. |
| Operating mode | „Assigned use“ or „shared use“ selectable with programming cards or with LMS. MIFARE® Classic transponders are only supported in “assigned use" mode with card programming. MIFARE® Classic transponders are not supported by the LMS. |
| Factory settings | Usage of installation cards possible. After programming the master-card, the system is initially in the mode „assigned use“. |
| Reading range | Up to 30 mm with LEHMANN user cards (MIFARE® DESFire® EV1). Other transponders may have a shorter reading range and must be checked for compatability in advance. |
| Battery typ | 1 x CR123A |
| Applications | Suitable for indoor applications in home and office environment. Suitable for surfaces made of steel, HPL or wood. |
| Material thickness | Steel 0.7-1.5mm, wood 16-21mm, other panels up to 12mm |
| Conformity | The RFID system is approved for Europe. No special approval is required in China. Other countries on request. |

Technische Änderungen vorbehalten · alle Angaben ohne Gewähr · © by LEHMANN-V. PM Info 25.04.2024
Technical details subject to modifications · all data without guarantee

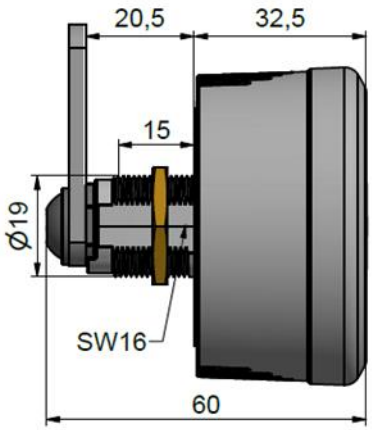
## Components and dimensions (with bolt 031)



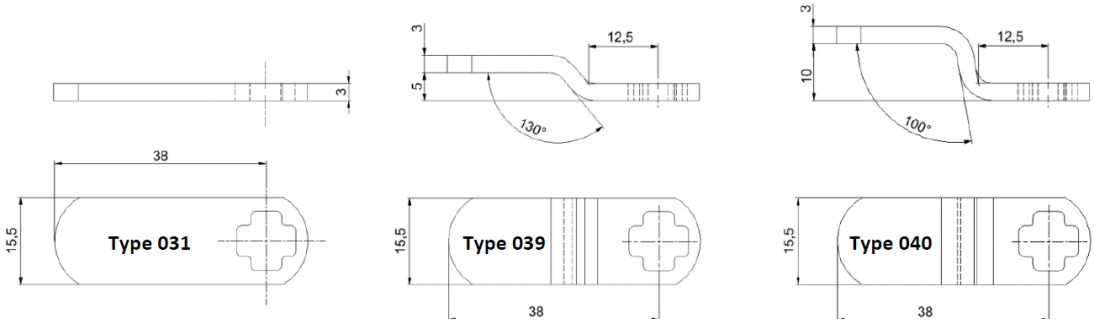

*Right hand doors, position locked*



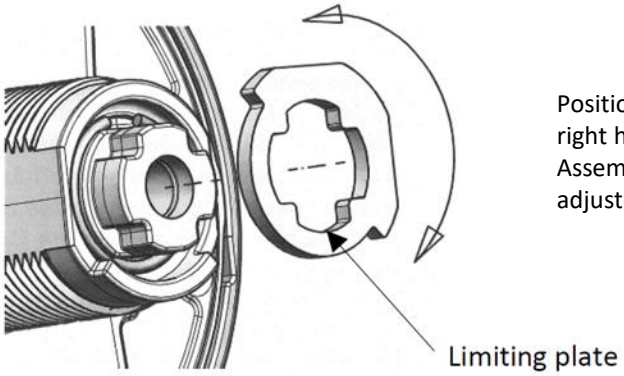
*Right hand doors, position unlocked*




*Right / left hand doors*

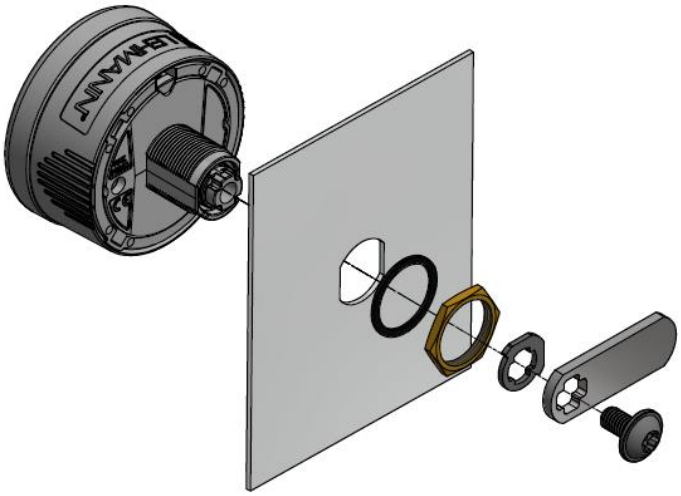


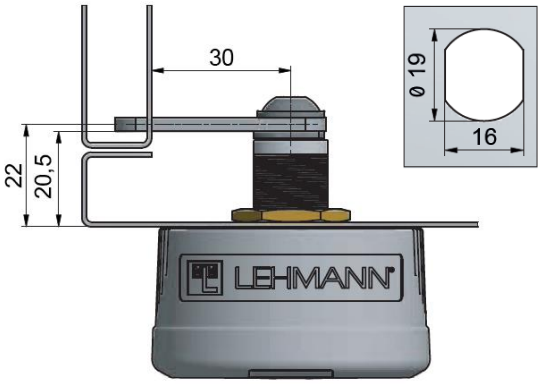

## Change direction of rotating




Positioning of the limiting plate for left hand door or right hand door.
Assembling the bolt after the direction of rotation is adjusted.

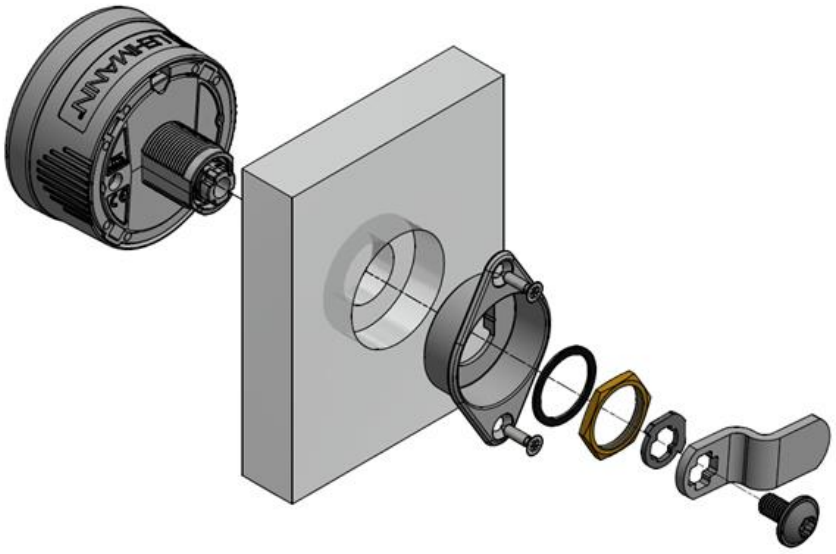
## Mounting on metal surfaces without status indicator

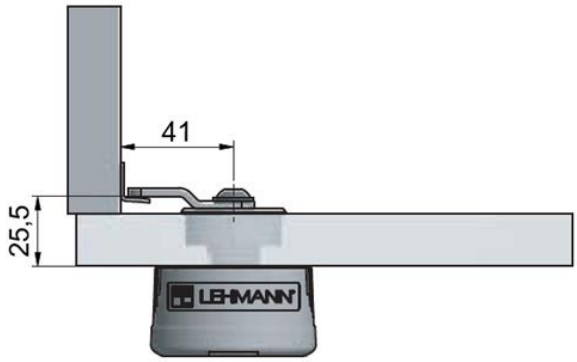


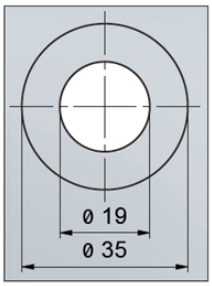


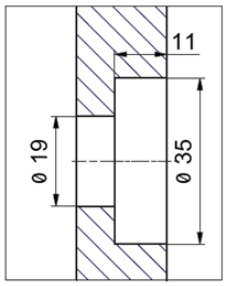

Dimensions refer to bolt type 031.

## Mounting on wood without status indicator






Dimensions refer to bolt type 039.

## Demo-Sets with all accessories

| Order nr. | Drawing | Description |
|---|---|---|
| 040180005999 | 0.503.3134 | Demo-Set: Lock GIRO RFID MIFARE®, **black**, Z90, ZKME battery, all accessories, Demo-Set RFID-Transponder, single packaging |
| 040180010999 | 0.503.3134 | Demo-Set: Lock GIRO RFID MIFARE®, **white**, Z90, ZKME battery, all accessories, Demo-Set RFID-Transponder, single packaging |

## Locks without bolt, striker plate and service key

| Order nr. | Drawing | Description |
|---|---|---|
| 040180002001 | 0.503.3131 | Set steel: Lock GIRO RFID MIFARE®, **black**, Z90, f. Z0001, battery<br>Single packaging<br>WITHOUT bolt, striker plate and service key |
| 040180001001 | 0.503.3130 | Set steel: Lock GIRO RFID MIFARE®, **black**, Z90, f. Z0001, battery<br>Industrial packaging<br>WITHOUT bolt, striker plate and service key |
| 040180006001 | 0.503.3130 | Set steel: Lock GIRO RFID MIFARE®, **white**, Z90, f. Z0001, battery<br>Industrial packaging<br>WITHOUT bolt, striker plate and service key |
| 040180004001 | 0.503.3131 | Set wood: Lock GIRO RFID MIFARE®, **black**, Z90, f. Z0001, battery, fixing element 1619<br>Single packaging<br>WITHOUT bolt, striker plate and service key |
| 40180003001 | 0.503.3132 | Set wood: Lock GIRO RFID MIFARE®, **black**, Z90, f. Z0001, battery, fixing element 1619<br>Industrial packaging<br>WITHOUT bolt, striker plate and service key |
| 040180008001 | 0.503.3132 | Set wood: Lock GIRO RFID MIFARE®, **white**, Z90, f. Z0001, battery, fixing element 1619<br>Industrial packaging<br>WITHOUT bolt, striker plate and service key |

## Accessories

| Order nr. | Drawing | Desription |
|---|---|---|
| 430600310 | 0590031 | Bolt 031 |
| 430600390 | 0590039 | Bolt 039 |
| 430600400 | 0590040 | Bolt 040 |
| 443116190 | 1264008 | Fixing element 1619 |
| 443011100 | 1004004 | Striker plate 3011 |

| | |
|---|---|
| Installation card | The installation card can be used specially for assembly and testing purposes in order to perform basic functions on the lock (opening and closing. This card is for universal use. Prior programming of a master card is not necessary. After a master card has been programmed for the first time, the lock is disabled for the installation card. |
| Master card | For commissioning, a master card must be programmed. The master card is required for starting and terminating programming operations. This also includes the programming of user cards in “assigned use“ mode. The master card also enables the so-called Facility Manager function and the emergency opening of the lock. One master card can be programmed per lock. You can use one master card for several locks. |
| User card | User cards are used to open and close the lock. In “assigned use“ mode, up to 250 user cards can be programmed on one lock. In “shared use“ mode, one user card can be used temporarily on one lock. It is possible to program one user card on several locks in “assigned use“ mode, and at the same time on one lock in “Shared use“ mode. |
| Programming card set | For certain programming functions, programming cards are required in conjunction with the master card. The programming card set consists of 3 programming cards:<br>• P1: Mode (change of mode)<br>• P2: Sound (activating or deactivating acoustic signals)<br>• P3: Reset (reset to factory settings) |
| Programming card P4: Auto Locking | The programming card P4: Auto Locking can only be used in the operating mode „assigned use“. The activation takes place together with the master card. After opening the lock with a transponder, the lock closes automatically after 5 seconds. |
| Programming card P6: Unlimited Shared Use | The programming card P6: Unlimited Shared use can be used in operating mode “shared use”. After activation of this feature, one RFID transponder can lock several locks (attention: even up to all locks!), instead of only one lock per transponder in operating mode “shared use”. |
| Update card | In conjunction with the master card, the update card allows firmware updates to be loaded into this system. |
| Service key | The individual service key allows a reordering of the master card. It is not possible to reorder a master card without a service key! This card has no electronic function! |

**Attention:**

- A LEHMANN master card or the LEHMANN Management Software LMS is required for commissioning a Giro lock.
- Replacements of master cards can be ordered. Replacement cards are copies of the original cards and they have the same functions and rights as the original master card.
- In addition to LEHMANN user cards, existing transponders can also be used as user cards. Write permissions on the transponders are required for the usage of LMS and for "shared use" operating mode! MIFARE Classic transopnders are only supported in the mode “assigned use”. MIFARE Classic transponders are not supported in the LMS. Existing transponders must be checked in advance for compatibility and reading range!

| Order nr. | Description |
|---|---|
| 051250021 | Basic set: Master card, update card, service key |
| 051250022 | User card L033 RFID MIFARE® |
| 051250030 | Set: 10 pieces user card (order nr. 051250022) RFID MIFARE® |
| 051250023 | Installations card |
| 051250024 | Programming card set: Mode-card, Sound-card, Reset-card |
| 051250034 | Programming card „P4: Auto Locking“ |
| 051250045 | Programming card „P6: Unlimited Shared Use“ |
| 051250025 | Replacement Master card (copy) ; only with order nr. 051250021 |