

**ATL-15 ANTI TAMPER
HF/NFC
HIGH SECURITY LABEL**
Ø 15 mm
13,56 MHz
NTAG213
ISO14443A

Product:	ANTI TAMPER HF/NFC LABEL Ø 15 mm for Driving License Security 13,56 MHz High Frequency HIGH SECURITY LABEL with NFC chip (see below)	
RFID Chips: (other available on request)	NFC-A NXP NTAG-213 with 180 bytes total memory, 7-byte UID. Other RF Chip versions like NTAG216, ICode SLIX and Mifare series are available on request	
Max. Read Range:	up to 10mm with mobile reader, up to 20mm with desktop reader	(Depends on reader power, with fixed reader bigger read range possible)
Frequency:	13,56 MHz	(At room temperature 20°C)
ISO Standard:	ISO14443A	NFC Forum Type 2 compliant
Dimensions / Weight:	Ø 15 mm x 0,2 mm	0,1 g
Material / Colour:	Paper with cover protection foil	White, other colour and logo, QR Code, number print on request
Minimum Order Quantity:	1000 pieces on roll	
Operating/ Storage-Temperature:	-25°C ... + 70°C	-25°C ... + 85°C
Certification / Other:	CE	RoHS ✓
Part Description:	Ø 15mm-ATL-15-TAMPER-PROOF-NFC-LABEL-WHITE-ON-ROLL-HF-NTAG213	Part-No.: 123457116

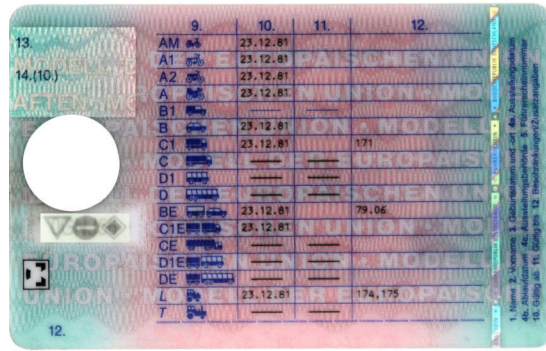
arfidex GmbH Adlerstraße 2 D-63322 Rödermark Germany Phone: +49 (0) 6074 861930

www.arfidex.de | info@arfidex.de

© arfidex makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does arfidex assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by arfidex have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by arfidex. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by arfidex hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. arfidex does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to arfidex, and arfidex reserves the right to make any changes to the information in this document or to any products and services at any time without notice.

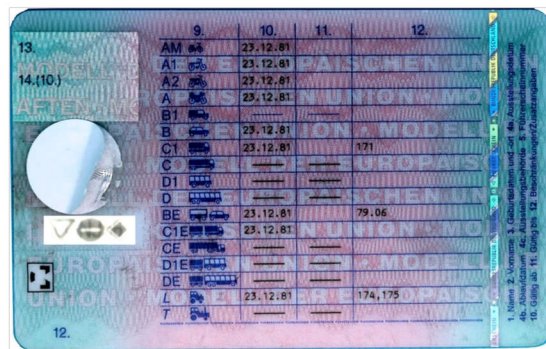


**ATL-15 ANTI TAMPER
HF/NFC
HIGH SECURITY LABEL
Ø 15 mm
13,56 MHz
NTAG213
ISO14443A**



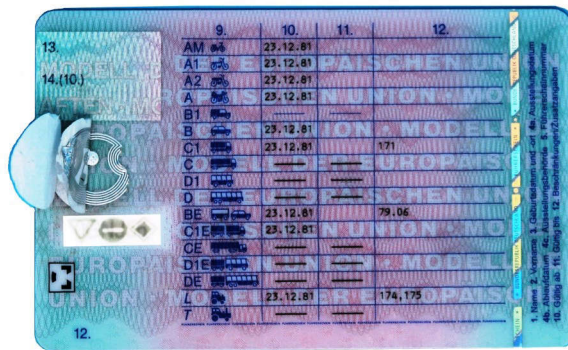
Picture 1

The above picture 1 shows the Ø 15 mm ANTI TAMPER PROOF LABEL has been glued to the backside of the driving license at a place where no security features of the are covered by the ATL-15 label.



Picture 2

Picture 2 shows the first try of manipulation of the ATL-15 label by peeling off the label.



Picture 3

Picture 3 shows the second try of manipulation of the ATL-15 label by peeling off the label. You can see that the antenna is already destroyed which means the NFC reading function is gone.

arfidex GmbH Adlerstraße 2 D-63322 Rödermark Germany Phone: +49 (0) 6074 861930

www.arfidex.de | info@arfidex.de

© arfidex makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does arfidex assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by arfidex have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by arfidex. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by arfidex hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. arfidex does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to arfidex, and arfidex reserves the right to make any changes to the information in this document or to any products and services at any time without notice.

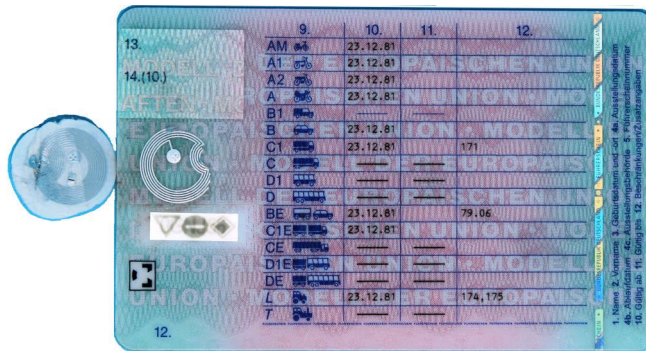


**ATL-15 ANTI TAMPER
HF/NFC
HIGH SECURITY LABEL
Ø 15 mm
13,56 MHz
NTAG213
ISO14443A**



Picture 4

The above picture 4 shows the Ø 15 mm ANTI TAMPER PROOF LABEL has been destroyed by manipulation and peeling off the ATL-15 label.



Picture 5

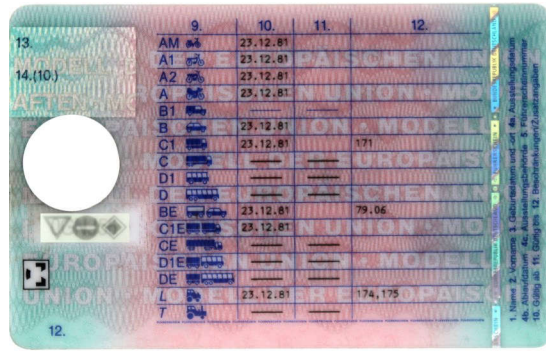
Picture 5 shows the manipulation of the ATL-15 label which was peeled off from the driving license.

Half of the NFC antenna stays still on the driving license and the second half is off outside. The NFC reading function is gone.

arfidex GmbH Adlerstraße 2 D-63322 Rödermark Germany Phone: +49 (0) 6074 861930

www.arfidex.de | info@arfidex.de

© arfidex makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does arfidex assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by arfidex have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by arfidex. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by arfidex hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. arfidex does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to arfidex, and arfidex reserves the right to make any changes to the information in this document or to any products and services at any time without notice.



**ATL-15 ANTI TAMPER
HF/NFC
HIGH SECURITY LABEL**
Ø 15 mm
13,56 MHz
NTAG213
ISO14443A

This HF/NFC ANTI TAMPER SECURITY LABEL could be used by system integrators or endusers for easy automatic identification and marking of ID Cards like driving licenses or similar ID documents.

Enterprises with vehicle fleets like forwarding agents, taxi companies etc. are taking and have the responsibility that drivers of company vehicles carry a valid driving license. The documentation has to be done frequently minimum 2 times a year (the inspection cycle depends on the regulation of the entire country).

The security function to avoid peeling off the label from one ID card to another is given by the mechanical physical anti tamper function: If once glued on an ID card it is not possible to peel off the label without destroying the foil of the label. In addition every NFC label has a unique ID which cannot be altered.

Applications:

- Driving License identification
- ID card identification
- Access Control
- Time Attendance
- Your application

Inside of the label:



arfidex GmbH Adlerstraße 2 D-63322 Rödermark Germany Phone: +49 (0) 6074 861930

www.arfidex.de | info@arfidex.de

© arfidex makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does arfidex assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by arfidex have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by arfidex. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by arfidex hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. arfidex does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to arfidex, and arfidex reserves the right to make any changes to the information in this document or to any products and services at any time without notice.