

**ATL-15 ANTI TAMPER
HF/NFC
HIGH SECURITY LABEL**
Ø 15 mm
13,56 MHz
NTAG424DNA
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-424-DNA with 416 bytes total memory, Double size 7-byte UIDs, 5 customer defined AES 128-bit keys including key versions. 3-pass mutual authentication. Other RF Chip versions 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-NTAG424	Part-No.: 123457118

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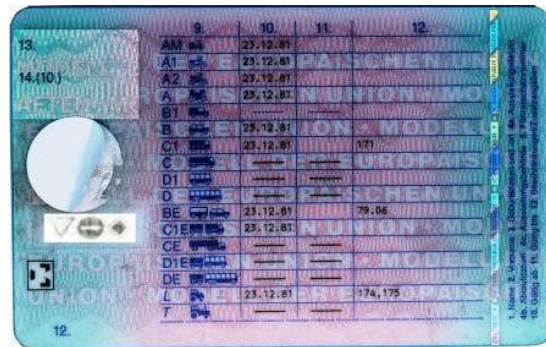


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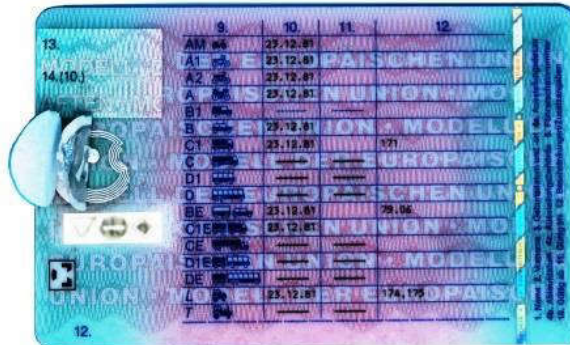
Picture 1

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.

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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

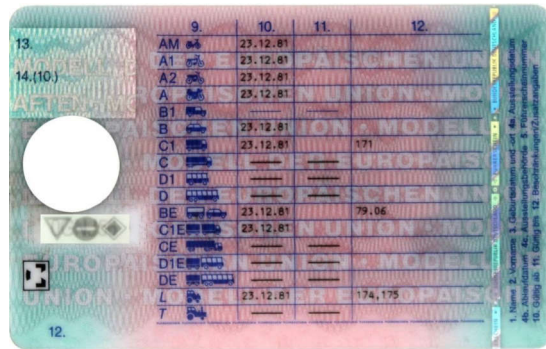
Picture 5 shows the manipulation of the ATL-15 label which was peeled off from the driving license.

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

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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:



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