

New

NeoTAG® Plug FG/MFG10340

Press-in transponder for metallic objects, easy readable by NFC-enabled mobile devices

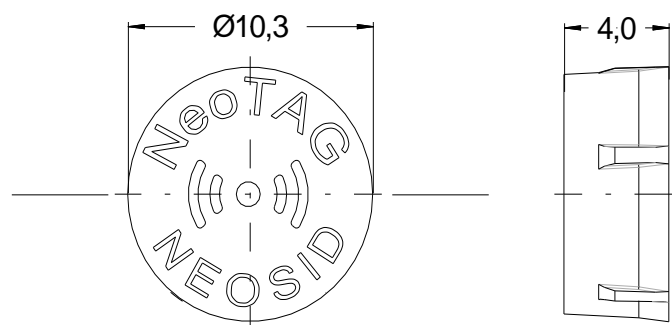
The NFC transponder NeoTAG® Plug FG/MFG10340 shows the consistent further development of our NeoTAG® HF transponder family. It offers the same resistance against harsh environmental conditions as the long-established miniature RFID transponder NeoTAG® FG/MFG4335 in 4mm press-in housing. The maximum dimensions of this new NeoTAG® Plug FG/MFG10340 are 10.3 millimeters in diameter and only four millimeters in height. It offers reliable readability and programming by almost all modern smartphones which offer NFC functionality.

A 10 mm hole already exists in e.g. tool fixtures on machine tools and machining centers. With the easy-to-use press-fit housing, the NeoTAG® Plug FG/MFG10340 can be installed safe, quick and reliable. Following the concepts of INDUSTRY 4.0, this transponder creates smart tools for implementing transparent, digital processes in industrial applications in just a few easy steps.

For quick, clear identification of metallic and non-metallic objects.



NeoTAG® Plug FG/MFG10340



Dimensions: mm

Alle Angaben ohne Gewähr. Irrtümer und Änderungen vorbehalten. No responsibility is taken for the correctness. Errors and changings reserved.

Technical specifications:

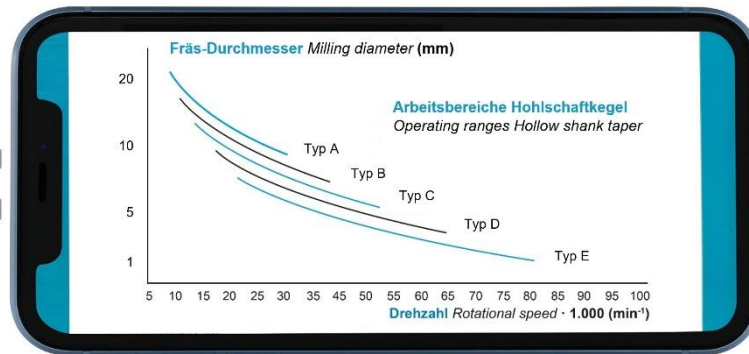
Item numbers:	00705016 FG10340 (with NXP ICODE SLIX) Non Metal 00705017 MFG10340 (with NXP ICODE SLIX) Metal
Housing material:	PPA GF30, cyan blue, other colors on request
HF RFID protocol:	ISO 15693
Chip:	NXP ICODE SLIX, SLIX-S, SLIX2 and others on request
Frequency:	for 13.56 MHz
Reading range:	up to 220 mm (depending on reader, reading antenna and application)
Operating temperature:	-40°C to +85° C (for read and write function)
Special environmental temperatures:	+180°C (up to 90 hours / 14 cycles) +200°C (up to 5 hours / 100 cycles) +220°C (up to 2 hours / 167 cycles) +275°C (15 minutes / 1 cycle)
Weight:	0.36 g/ piece

Characteristics:

- Industry proof dimensions of 10 mm in diameter and 4 mm in height
- Easy mounting process without special tools by press-in or punch-in
- Readable by standard RFID readers with min. 200mW output power
- Alternatively readable and programmable by modern smartphones with NFC function in metal and non-metal environments
- Programmable with URL data for direct website access
- IP protection class IPx8: continuous immersion in water
- Vibration resistant
- High mechanical abrasion resistant
- Resistant against a large number of chemical substances
- User data memory: 896/1280/2112/2528 bit depending on IC type
- IC with password protection and encrypted protocol on request
- Customized logo and color on request
- **NFC Forum Type 5 TAG**
- FDA compliant housing material on request

Applications:

- Maintenance and repair
- Inventory management
- Product tracking
- Identification in process management for tools, devices, fixtures, equipment, machines, ...
- Digital manufacturing and tool management in INDUSTRY 4.0
- Tool protection to avoid misuse
- Tool service life monitoring
- Maintenance management for tool revision
- IoT applications
- For non metallic objects: NeoTAG® Plug FG10340
- For metallic objects: NeoTAG® Plug MFG10340



Application: NeoTAG® Plug MFG10340 for identification of hollow shank taper

Packaging:

Packaging unit 500 pcs bulk. Other types of packaging on request.