

# TECH FOR SAFETY

**BlueSupra™**

Supra Digital Chips

v.2



***BlueSupra***<sup>TM</sup>

**Supra Digital Chips**





**Go digital!**





**TECH  
FOR  
SAFETY**











**TECH  
FOR  
SAFETY**



**NFC Enabled**

## **SupraNano, Embedded Digital Chip, the way to digitalization**

SupraNano is the newest Digital Chip easily fitted into your product, ensuring optimal user experience, wherever and whenever people encounter NFC interactions.

The SupraNano can be easily embedded, readable in steel, ensuring readability in most applications. It is now the simplest way to digitalise product with RiConnect or any other 3rd party software, engage the user, streamline tasks, and make our working lives much safer and more productive. Along with the other Digital Chips, there is a now a solution for every application.

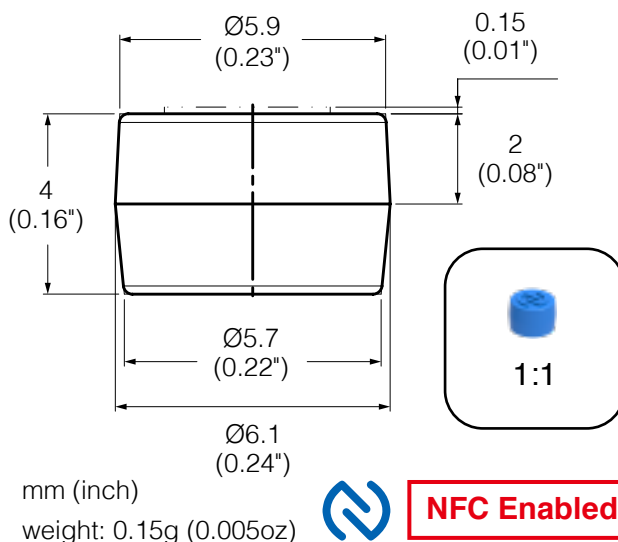
If you, your inspector, and your customers are seeking to access product information, EC Declarations of Conformity (or Declaration of Conformity or Certificate of Conformance)/Reports of Thorough Examination, User Instructions, Maintenance and Pre-Use check step by step documents, it's as simple as tapping the SupraNano with your mobile device, using the free to user RiConnectAPP. What is even more amazing is that the SupraNano can be used with any other 3rd party APP or software, making it one of the most open solutions available today in the Digital Chip/NFC field. SupraNano NFC offers new efficiencies and a safer operating environment.

Just tap the SupraNano and be the first user to experience the power of NFC.

Tech for Safety!

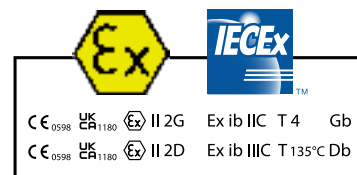
# Item No. 13227

## SupraNano



### Features:

- Embedded Digital Chip
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.



Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF
Mounting System	Universal Use
Color	Turquoise Blue
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

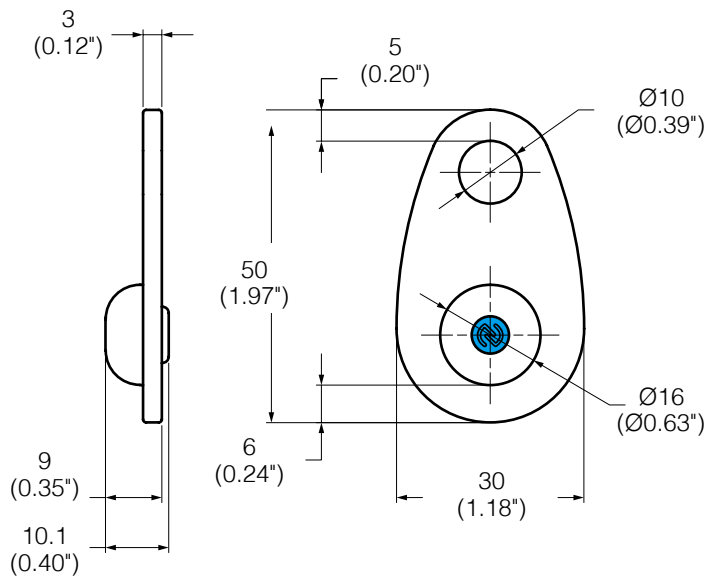
### Patent Number

- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
  
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
  
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617





# Item No. 13243 SupraTag



mm (inch)  
weight: 33g (1.16oz)



**NFC Enabled**

## Features:

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

## Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617

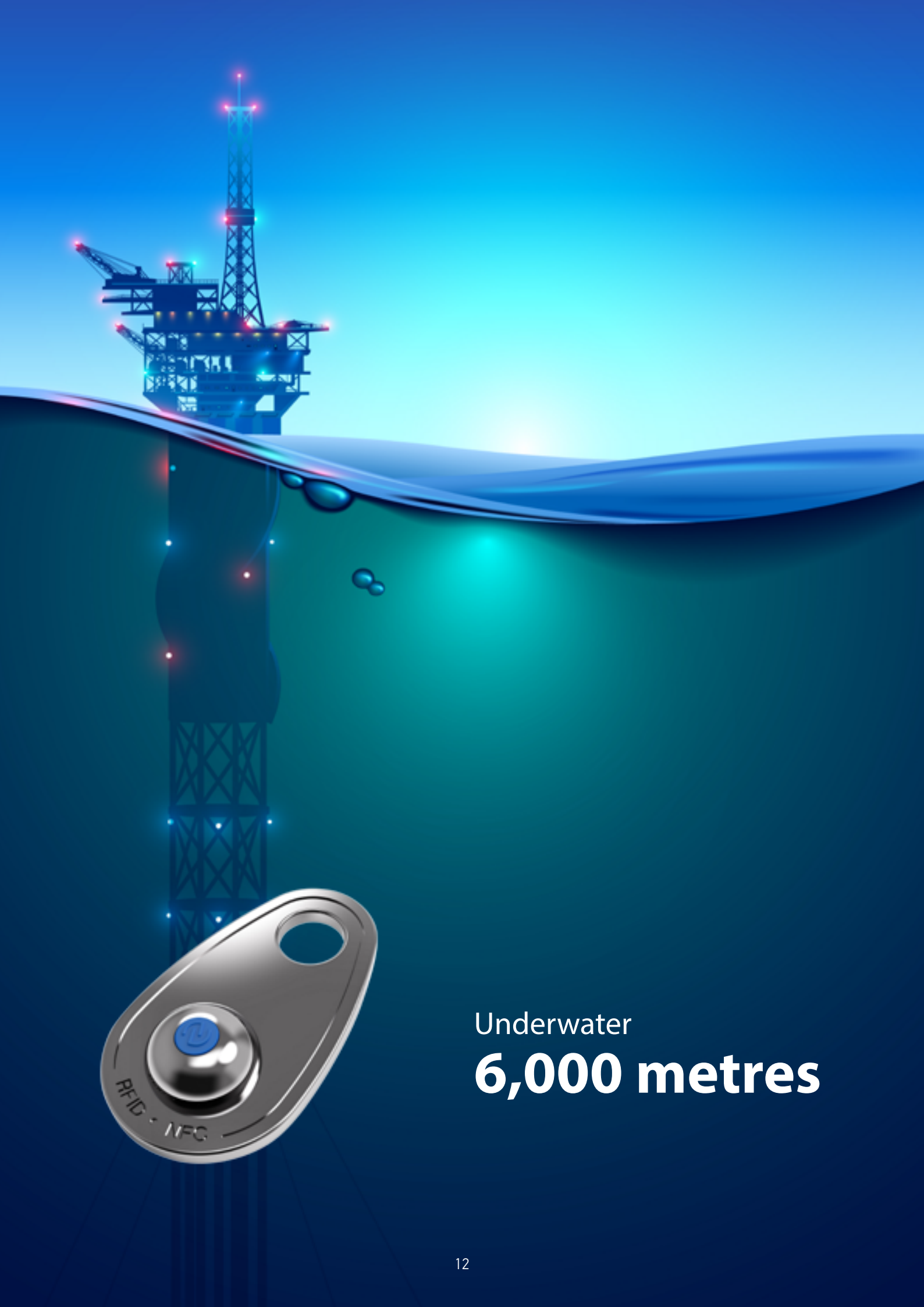


## BlueSupra Series, Robust Digital Chips

The use of plastic Digital Chips in a severe offshore working environment can lead to the loss or corruption of data, especially when the plastic chip is subject to continuous impact damage, UV from sunlight, corrosion, oil pollution and other mechanical damage experienced when working in challenging conditions.

The application of the BlueSupra Series can avoid this risk.





Underwater  
**6,000 metres**



## No other digital product goes deeper!

Many try to overcome the challenges of working at depths of upto 6,000 metres, now the SupraTag can meet this demand. Moments after submersion of the ROV Hook, ROV Shackle or SupraTag can be scanned and read in a single click for pre use and post use operations, safe use instructions and asset management. Ensuring there is no higher safety available to the operator, reducing downtime which is vital to the ROV pilot.



### Compliant

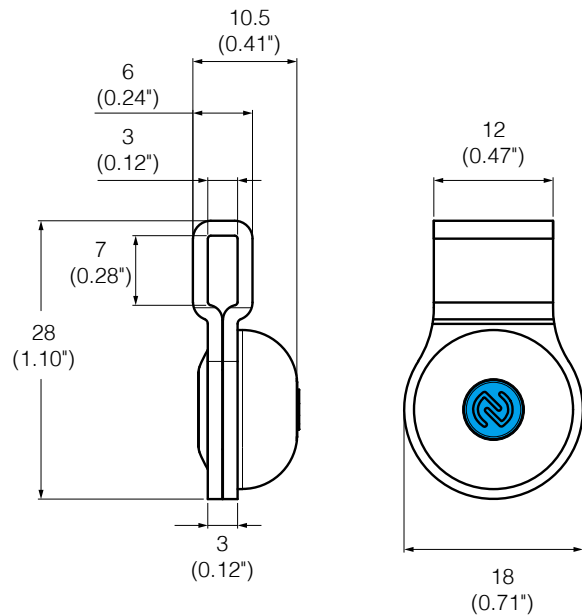






# Item No. 13271

## Supra271



mm (inch)  
weight: 17.5g (0.62oz)



**NFC Enabled**

### Features:

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

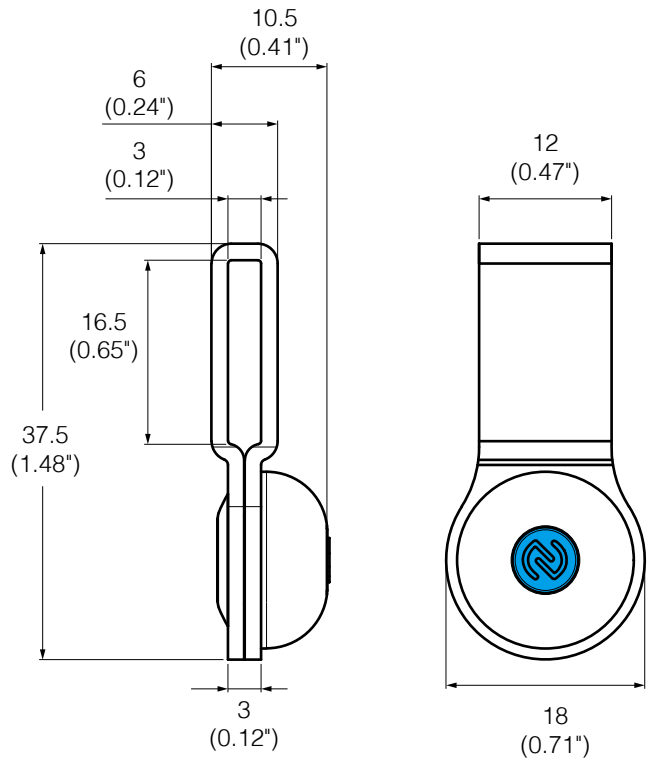
### Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617





Item No. 13273  
Supra273



mm (inch)  
weight: 20g (0.71oz)



**NFC Enabled**

**Features:**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

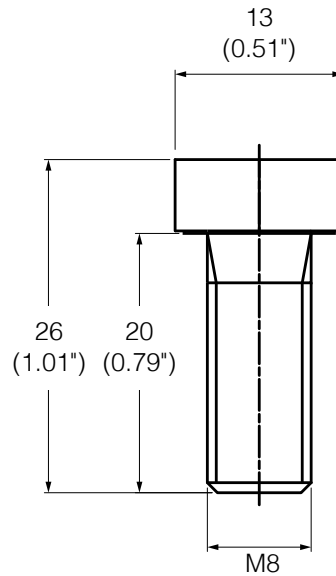
Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

**Patent Number**

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617

# Item No. 13226

## Supra226



mm (inch)  
weight: 10.6g (0.37oz)



**NFC Enabled**

### Features:

- Metric Thread
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

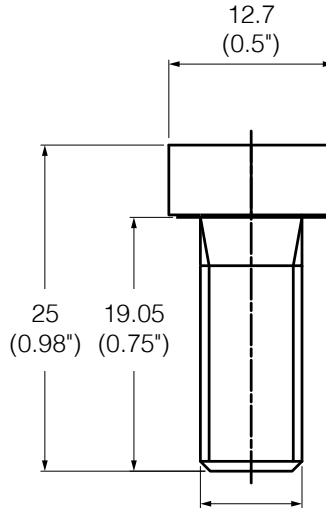
### Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617



# Item No. 13228

## Supra228



5/16 - 18UNC  
mm (inch)  
weight: 10.4g (0.36oz)



**NFC Enabled**

### Features:

- UNC Thread
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

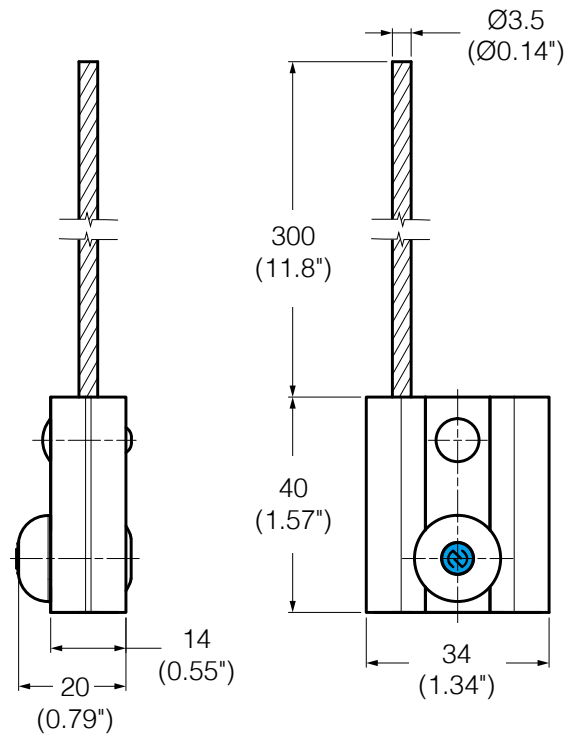
### Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617





Item No. 13282  
Supra282



mm (inch)  
weight: 47g (1.66oz)



**NFC 対応**

**Features:**

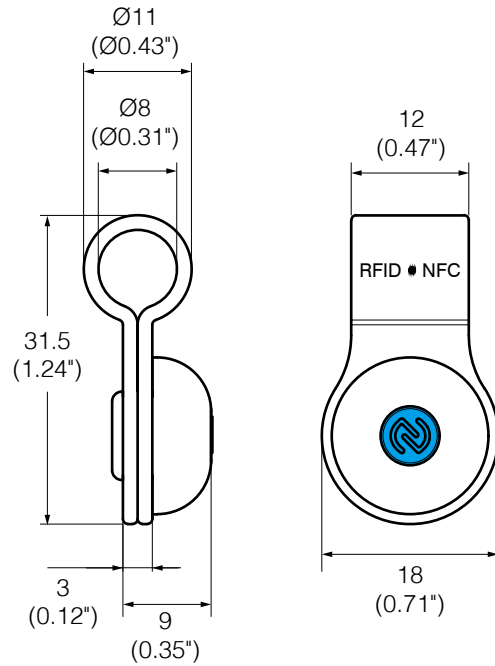
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- The tensile strength of the wire rope is greater than 10kN.
- The wire rope fixing mechanism is made of aluminum alloy, without any plastic and for easy recycling.
- The 7x19 stainless steel wire rope with a diameter of 3.5mm is strong, flexible and convenient to use.
- Unique design of proprietary wafer-antenna chip construction.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel, Aluminum
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

**Patent Number**

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617

Item No. 13279  
**Supra279**



mm (inch)  
 weight: 18g (0.63oz)



**NFC Enabled**

**Features:**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

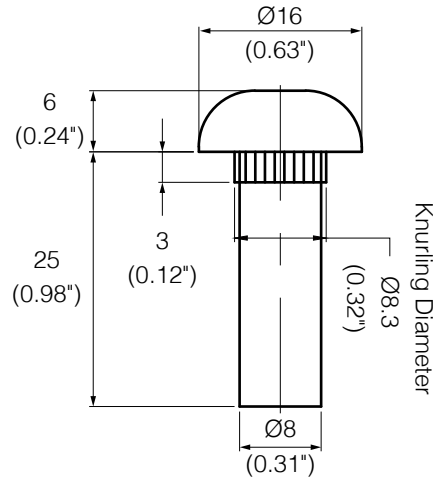
**Patent Number**

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: 1638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617



# Item No. 13244

## Supra244



mm (inch)  
weight: 16g (0.56oz)



**NFC Enabled**

### Features:

- Rivet type
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

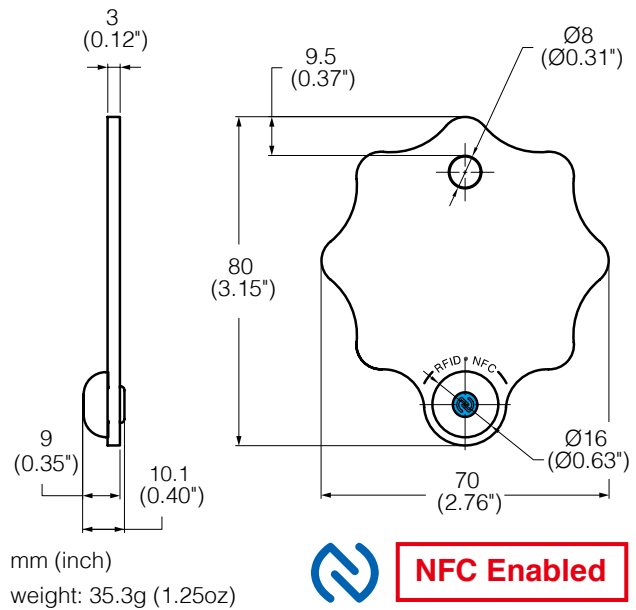
Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

### Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: 1638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617

# Item No. 13285

## Supra285



**NFC Enabled**

### Features:

**Custom Logo**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

#### Functionality

RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write

#### Performance

Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68

#### Physical

Materials	PA 6 + 30 GF, Stainless Steel, Aluminum
Mounting System	Universal Use
Color	Turquoise Blue Polished

#### Operational

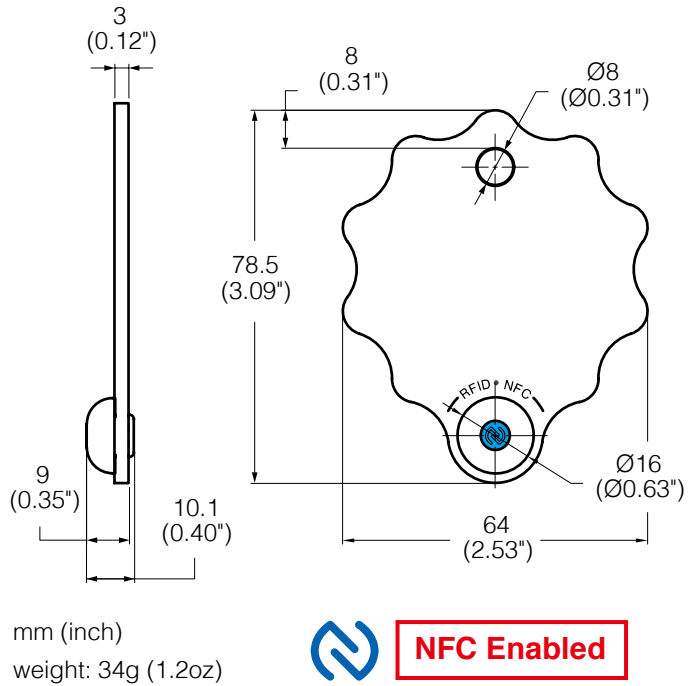
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

#### Patent Number

» United States Patent:	10235617
» Japan Patent:	3219858
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» Taiwan Patent:	M573545
» China Patent:	ZL 201821589819.6
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» German Patent:	602018032891.2
» Italy Patent:	3627396
» UK Patent:	10607128
» Taiwan Patent:	I638765
» China Patent:	ZL 2017 1 0821524.0
» United States Patent:	10235617

# Item No. 13288

## Supra288



**NFC Enabled**

### Features:

**Custom Logo**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

### Functionality

RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write

### Performance

Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68

### Physical

Materials	PA 6 + 30 GF, Stainless Steel, Aluminum
Mounting System	Universal Use
Color	Turquoise Blue Polished

### Operational

Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

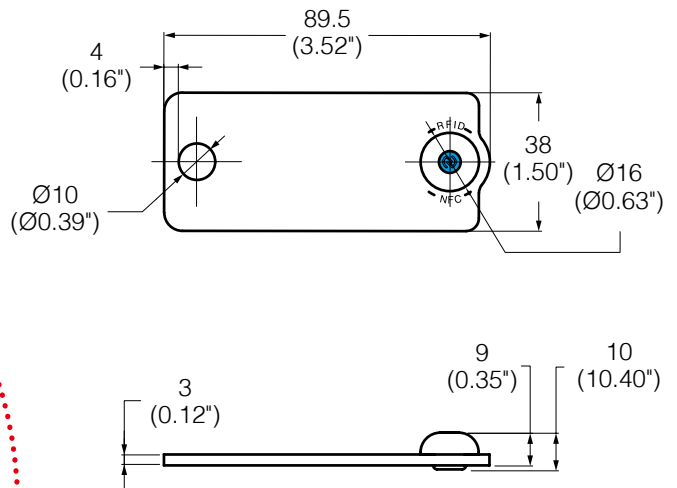
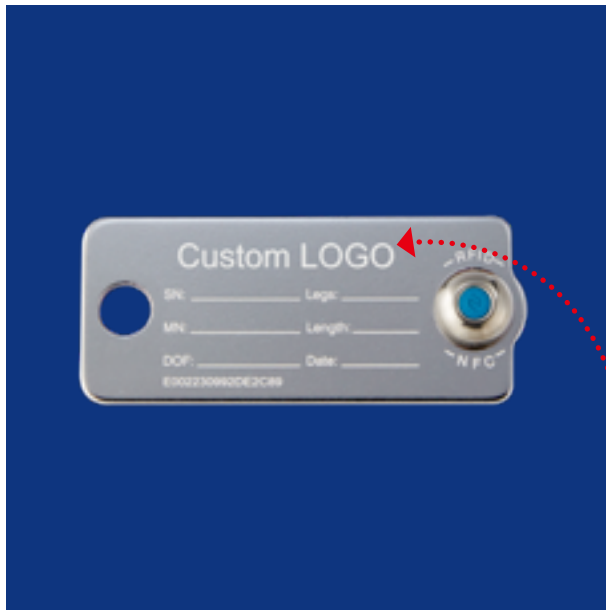
### Patent Number

» United States Patent:	10235617
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» United States Patent:	10607128
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» German Patent:	602018032891.2
» Italy Patent:	3627396
» UK Patent:	10607128
» Taiwan Patent:	1638765
» China Patent:	ZL 2017 1 0821524.0
» United States Patent:	10235617



# Item No. 13287

## Supra287



mm (inch)  
weight: 33g (1.16oz)



**NFC Enabled**

### Features:

### Custom Logo

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

#### Functionality

RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write

#### Performance

Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68

#### Physical

Materials	PA 6 + 30 GF, Stainless Steel, Aluminum
Mounting System	Universal Use
Color	Turquoise Blue Polished

#### Operational

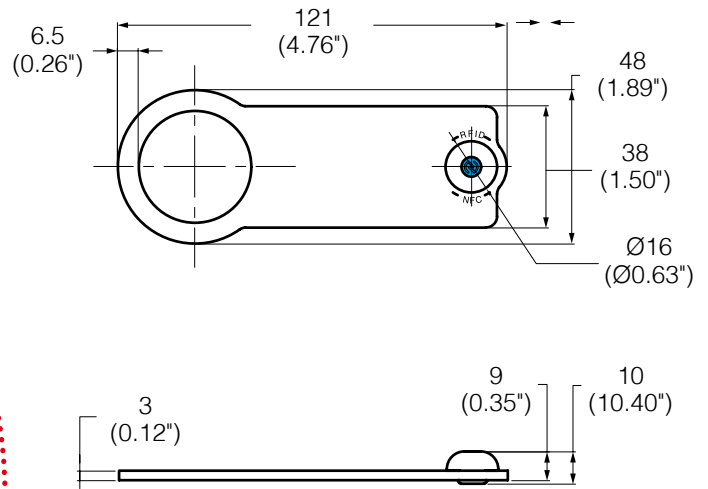
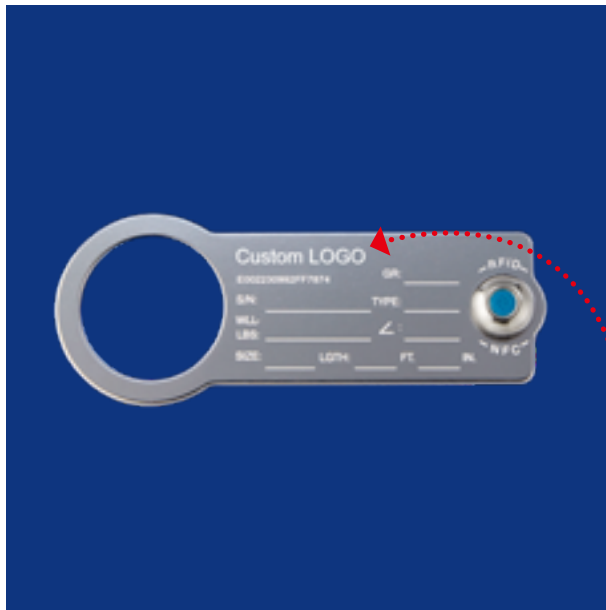
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

#### Patent Number

» United States Patent:	10235617
» Japan Patent:	3219858
» United States Patent:	10607128
» Japan Patent:	3220091
» Taiwan Patent:	M573545
» China Patent:	ZL 201821589819.6
» Japan Patent:	3219858
» United States Patent:	10607128
» German Patent:	602018032891.2
» Italy Patent:	3627396
» UK Patent:	10607128
» Taiwan Patent:	1638765
» China Patent:	ZL 2017 1 0821524.0
» United States Patent:	10235617

# Item No. 13281

## Supra281



mm (inch)  
weight: 36.2g (1.28oz)



**NFC Enabled**

### Features:

**Custom Logo**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

### Functionality

RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write

### Performance

Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68

### Physical

Materials	PA 6 + 30 GF, Stainless Steel, Aluminum
Mounting System	Universal Use
Color	Turquoise Blue Polished

### Operational

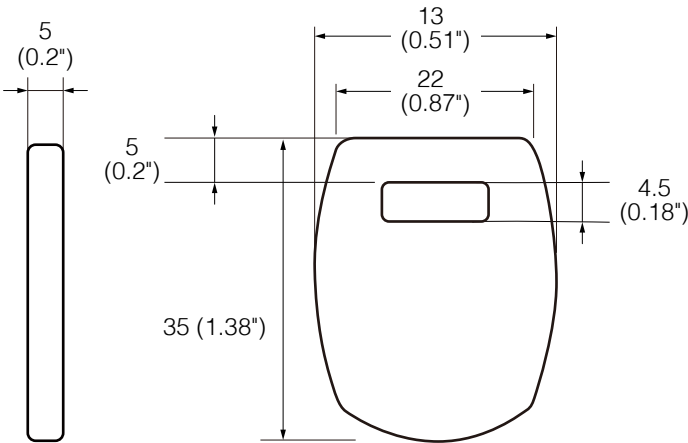
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

### Patent Number

» United States Patent:	10235617
» Japan Patent:	3219858
» United States Patent:	10607128
» Japan Patent:	3220091
» Taiwan Patent:	M573545
» China Patent:	ZL 201821589819.6
» Japan Patent:	3219858
» United States Patent:	10607128
» German Patent:	602018032891.2
» Italy Patent:	3627396
» UK Patent:	10607128
» Taiwan Patent:	I638765
» China Patent:	ZL 2017 1 0821524.0
» United States Patent:	10235617

Item No. 13234

# Supra234



mm (inch)  
weight: 2.1g (0.07oz)



**Features:**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100%
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF
Mounting System	Universal Use
Color	Yellow
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes





## Supra Series Digital Chips

The use of plastic Digital Chips in a severe offshore working environment can lead to the loss or corruption of data, especially when the plastic chip is subject to continuous impact damage, UV from sunlight, corrosion, oil pollution and other mechanical damage experienced when working in challenging conditions.

The application of the Supra Series can avoid this risk.



# SupraX



CE<sub>0598</sub> UK<sub>1180</sub> Ex II 2G Ex ib IIC T4 Gb  
CE<sub>0598</sub> UK<sub>1180</sub> Ex II 2D Ex ib IIC T<sub>135°C</sub> Db



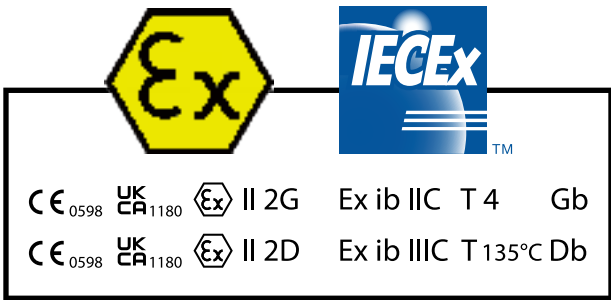
# SupraX Introduction

ATEX stands for the French abbreviation "ATmospheres EXplosibles" and consists of two EU directives describing what equipment and work environment is allowed in an environment with an explosive atmosphere.

According to these directives, only devices, systems and components which fulfil the ATEX product directives may be used in potentially explosive areas from 2003 onwards. These directives contain the basic safety requirements that must be adhered to and verified by means of the relevant conformity declarations.

SupraX series stand for ATEX, IECEx and UKEx certifications are suitable for use in explosive atmospheres, with these standards accepted in most regions worldwide.

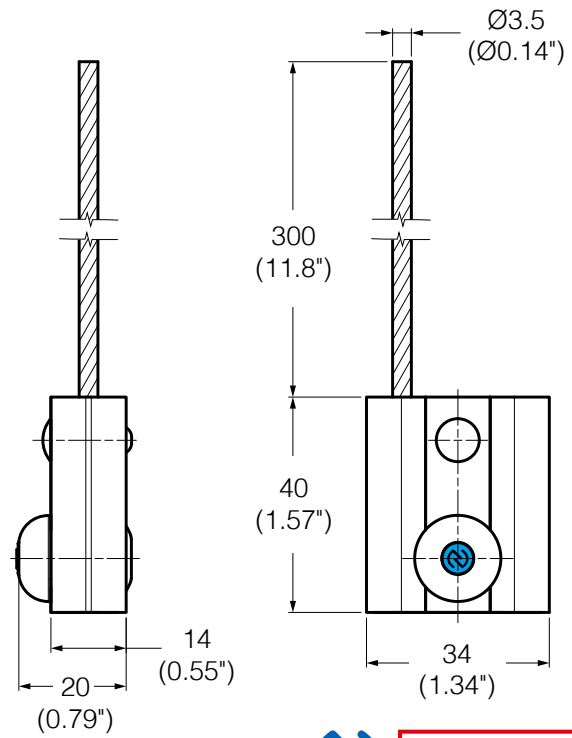
SupraX has all ATEX approvals for use in Zone 1/21, which means SupraX can be used in all areas in which potentially explosive atmospheres such as dust or gas occur, and serve to improve the safety and health of workers who may be exposed to these explosive situations.





Item No. 53282  
SupraX-282

Certificate Pending

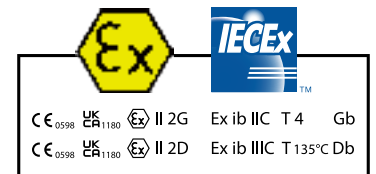


mm (inch)  
weight: 47g (1.66oz)



**Features:**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- The tensile strength of the wire rope is greater than 10kN.
- The wire rope fixing mechanism is made of aluminum alloy, without any plastic and for easy recycling.
- The 7x19 stainless steel wire rope with a diameter of 3.5mm is strong, flexible and convenient to use.
- Unique design of proprietary wafer-antenna chip construction.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.



**Functionality**

RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write

**Performance**

Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68

**Physical**

Materials	PA 6 + 30 GF, Stainless Steel, Aluminum
Mounting System	Universal Use
Color	Turquoise Blue Polished

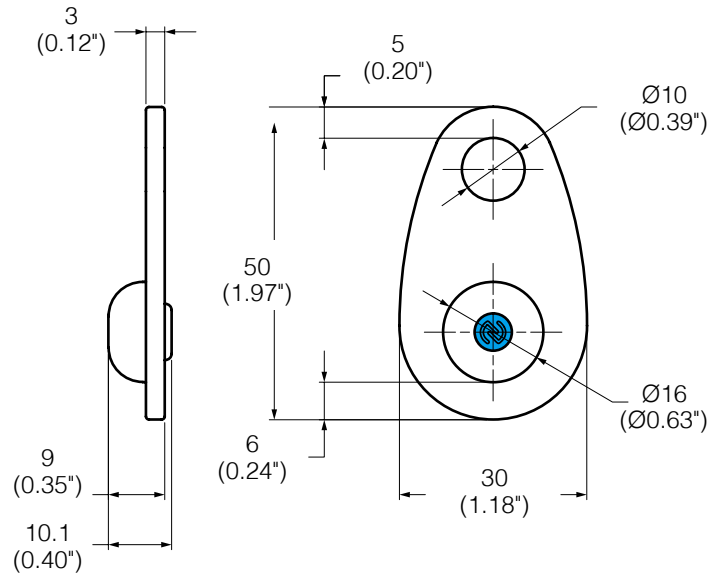
**Operational**

Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

**Patent Number**

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: 1638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617

# Item No. 53241 SupraX-241



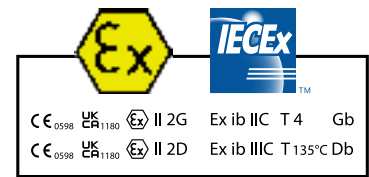
mm (inch)  
weight: 35.5g (1.25oz)



**NFC Enabled**

## Features:

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

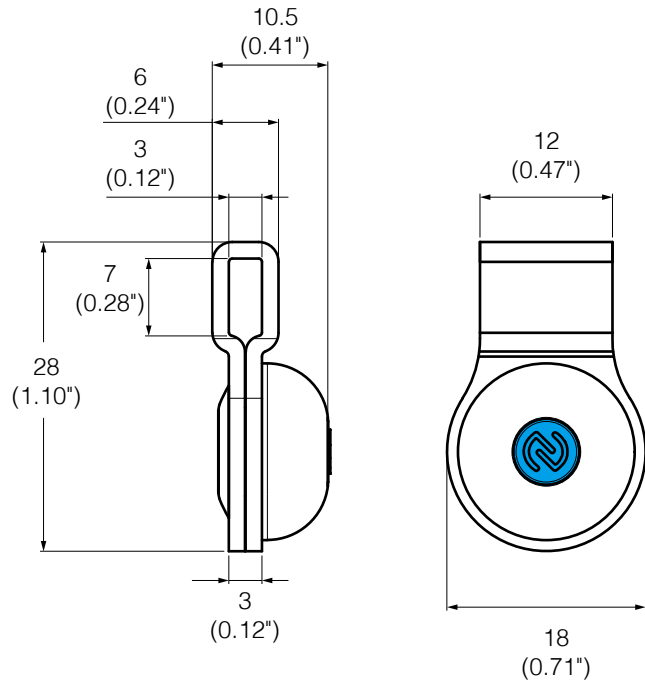


Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Bronze
Mounting System	Universal Use
Color	Turquoise Blue Bronze
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

## Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: 1638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617

# Item No. 53271 SupraX-271



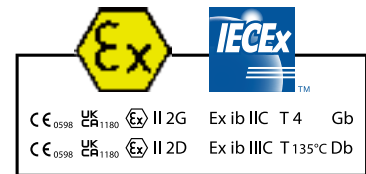
mm (inch)  
weight: 17.5g (0.62oz)



**NFC Enabled**

## Features:

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.



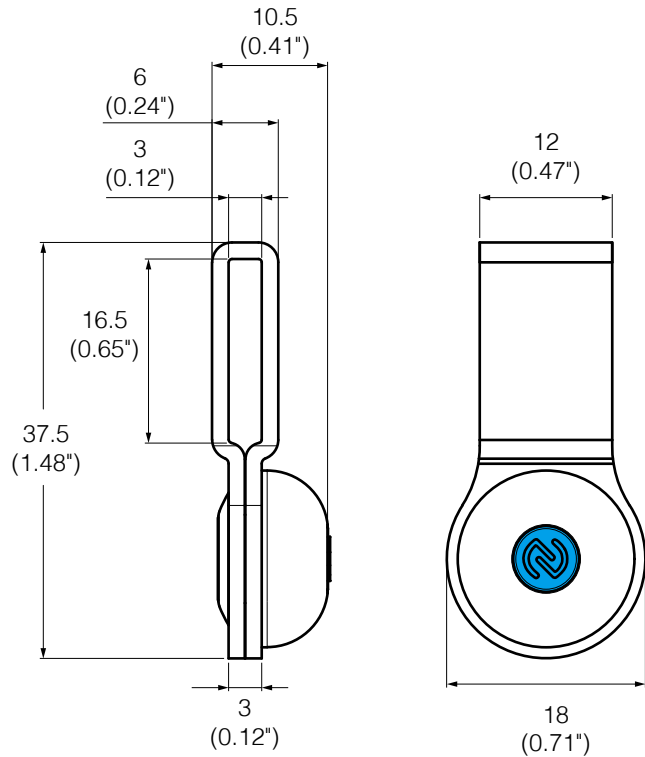
Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Bronze
Mounting System	Universal Use
Color	Turquoise Blue Bronze
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

## Patent Number

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: 1638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617



Item No. 53273  
**SupraX-273**



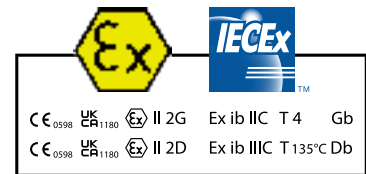
mm (inch)  
 weight: 20g (0.71oz)



**NFC Enabled**

**Features:**

- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

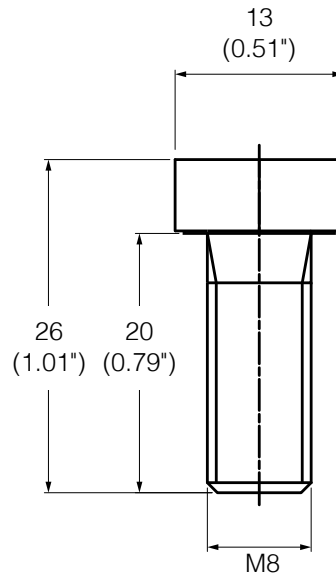


Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Bronze
Mounting System	Universal Use
Color	Turquoise Blue Bronze
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

Patent Number	
» United States Patent:	10235617
» Japan Patent:	3219858
» United States Patent:	10607128
» Japan Patent:	3220091
» Taiwan Patent:	M573545
» China Patent:	ZL 201821589819.6
» Japan Patent:	3219858
» United States Patent:	10607128
» German Patent:	602018032891.2
» Italy Patent:	3627396
» UK Patent:	10607128
» Taiwan Patent:	1638765
» China Patent:	ZL 2017 1 0821524.0
» United States Patent:	10235617

Item No. 53226  
**SupraX-226**

*Certificate Pending*



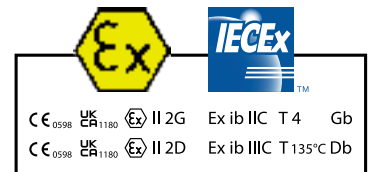
mm (inch)  
 weight: 10.6g (0.37oz)



**NFC Enabled**

**Features:**

- Metric Thread
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.

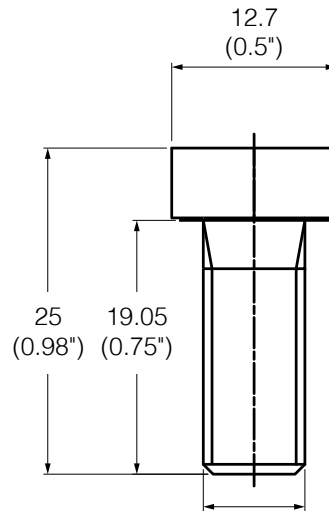


Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

Patent Number	
» United States Patent:	10235617
» Japan Patent:	3219858
» United States Patent:	10607128
» Japan Patent:	3220091
» Taiwan Patent:	M573545
» China Patent:	ZL 201821589819.6
» Japan Patent:	3219858
» United States Patent:	10607128
» German Patent:	602018032891.2
» Italy Patent:	3627396
» UK Patent:	10607128
» Taiwan Patent:	1638765
» China Patent:	ZL 2017 1 0821524.0
» United States Patent:	10235617

Item No. 53228  
**SupraX-228**

Certificate Pending



5/16 - 18UNC

mm (inch)

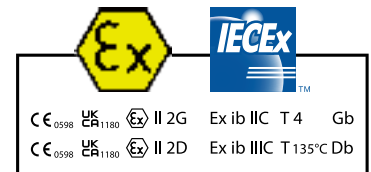
weight: 10.4g (0.36oz)



**NFC Enabled**

**Features:**

- UNC Thread
- NFC enabled mobile device or smart phone (iOS 14 or greater required/ Android 12 or greater required) can be used as reader.
- Corrosion resistant stainless steel.
- Meet the requirement of US Military Standard MIL-STD-810H.
- Meet IK10 impact protection level.
- Meet Highest IP68 rating of dust and water resistance.
- Unique design of proprietary wafer-antenna chip construction.
- Patents in several countries.
- By using the Supra Digital Chips with a third-party asset management application to achieve product traceability, manufacturer authentication and digitized product information.



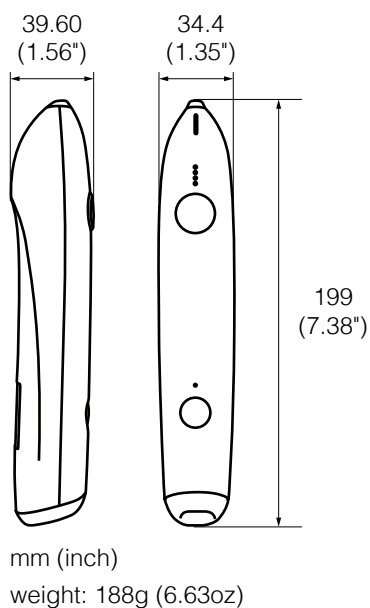
Functionality	
RF Protocol	ISO 15693
Operating Frequency	HF - 13.56 MHz
Memory Configuration	UID 16 bits, User 2K bits
R/W Capability	Read / Write
Performance	
Read Range	Maximum to 5 mm ( 0.2" )
Quality Guarantee	100 %
Orientation	Front Face Read
IP Rating	IP68
Physical	
Materials	PA 6 + 30 GF, Stainless Steel
Mounting System	Universal Use
Color	Turquoise Blue Polished
Operational	
Max Temperature Exposure	125 °C / 257 °F
Min Temperature Exposure	-30 °C / -22 °F
Continuous Max Service Temperature	125 °C / 257 °F
Continuous Min Service Temperature	-30 °C / -22 °F
Water and Ice Proof	Yes

**Patent Number**

- » United States Patent: 10235617
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » Japan Patent: 3220091
- » Taiwan Patent: M573545
- » China Patent: ZL 201821589819.6
- » Japan Patent: 3219858
- » United States Patent: 10607128
- » German Patent: 602018032891.2
- » Italy Patent: 3627396
- » UK Patent: 10607128
- » Taiwan Patent: I638765
- » China Patent: ZL 2017 1 0821524.0
- » United States Patent: 10235617







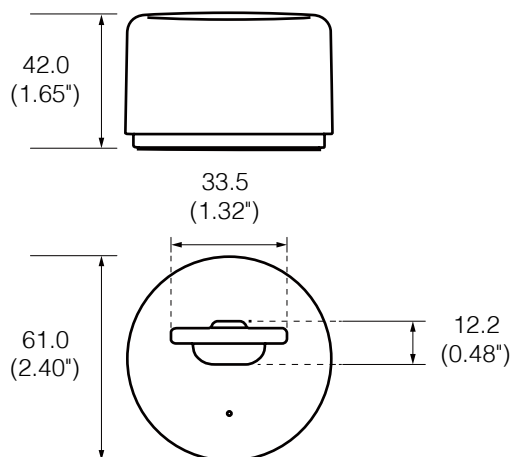
## Item No. 1735 RFID Bluetooth Reader

- Applied with HF RFID tag chips Based on the ISO 15693 for reading.
- Read Count: 1,000 entries when fully charged.
- Indicator light, Alert Sound when operating.
- Compliance: FCC, CE, TELEC, NCC.

Functionality	
Supported Standards / Tags	ISO 15693
Working Voltage (Charging)	5V DC, 0.5A
Working Frequency	HF - 13.56 MHz
USB Port	Type C
Physical	
Material and Color	PC, White
Data Transfer Interface	HID Bluetooth
Battery type & Capacity	Lithium battery, 5800 mAh
Operational	
Working Temperature	Charging: 10°C~45°C Discharging: -20°C~60°C
Storage temperature	Less than 3 months -20~40°C 75%RH max
Dimensions	
Product Net Weight	188g (6.63oz)
Product Size	198 x 34 x 40mm








mm (inch)  
weight: 86g (3.03oz)



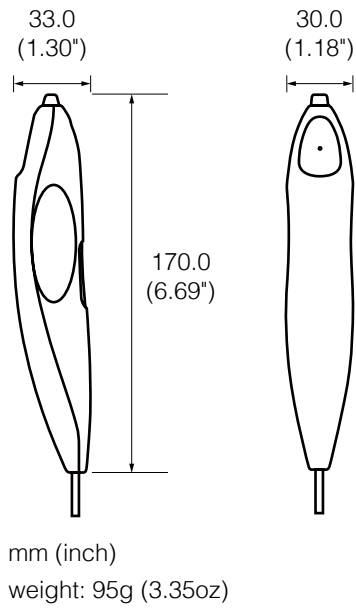
## Item No. 1762 SupraHana, reader

- Compatible with SupraTag.
- Applied with YOKE SupraTag for fast reading.
- Easy to plug-n-play.
- Connects directly to USB ports and send data as keystrokes.
- Compatibility with Windows and Macintosh.
- Placed anywhere on the desktop.

Functionality	
Working Voltage	5V DC 
Working Frequency	HF - 13.56 MHz
USB Port	Type-A
Physical	
Material and Color	ABS, white
Wire Length	1.8 m
Operational	
Working Temperature	-20 ~ 60 °C
Storage Temperature	0 ~ 60 °C
Dimensions	
Product Net Weight	86g (3.03oz)
Product Size	61 x 61 x 42 mm








## Item No. 1724

# SupraPin, reader

- Applied with any Digital Chips for fast reading.
- Easy to plug-n-play.
- Connects directly to USB ports and send data as keystrokes.
- Compatibility with Windows and Macintosh.
- Easy to apply on the production line.

Functionality	
Working Voltage	5V DC 
Working Frequency	HF - 13.56 MHz
USB Port	Type-A
Physical	
Material and Color	ABS, white
Wire Length	1.8 m
Operational	
Working Temperature	-20 ~ 60 °C
Storage Temperature	0 ~ 60 °C
Dimensions	
Product Net Weight	95g [3.35oz]
Product Size	170 x 30 x 35 mm

## **YOKE INDUSTRIAL CORP.**

An ISO 9001 Registered Company

#39, 33rd Road,  
Taichung Industrial Park,  
Taichung 407,  
TAIWAN

Tel:+886-4-2350-8088

Fax:+886-4-2350-1001

E-mail: [info@mail.yoke.net](mailto:info@mail.yoke.net)

**[www.yoke.net](http://www.yoke.net)**