

# HF LAUNDRYCHIP™ “ORION”

15mm HF transponder, 100% PPS material

T-BT1315 HT



## Product info

- Fully ISO 15693 / 18000-3 compatible LaundryChip™
- Developed to withstand the highest levels of water extractor presses
- Optimized shape reduces the risk of damages to textiles
- Multi-purpose transponder suitable for all types of linens, garments, mats and mops
- Robust LaundryChip™ lasts for up to 200 washing cycles

## Product Description

Thanks to its design and material, the T-BT1315 HT “ORION” tag can withstand the highest levels of water extractor pressures, typically used for flat linen products such as towels, sheets or table cloths.

As hard tag with optimized shape, “ORION” reduces the risk of damage to textiles during the ironing process, making it ideal for the hospitality, healthcare and workwear segments.

# HF LAUNDRYCHIP™ "ORION"

## T-BT1315 HT

### Technical data

Dimensions	Ø 15 mm
Weight	~0.80 g
Temperature	Storage: -40°C – +120°C ( -40°F – +248°F ) Operating: see product qualification
Material	PPS
Mechanical resistance	up to 50 bars*
Chemicals	All common chemicals in the washing process
Reading distance	Up to 40 cm (15.7") (with A-ST1330)
Reading speed	More than 40 pcs/second with R-IN1300
Lifetime	200 wash cycles or 3 years from shipping date (whichever comes first)
Power supply	Passive, through antenna RF field
Compliance	ISO 15693 / ISO 18000-3
OEKO-TEX® certification	Standard 100, product class II

\* Results based on parameters used in our laundry tests.

### Ordering information

T-BT1315 HT "ORION"	950 0200-144
T-BT1315 HT X "ORION" with laser marking	950 0200-145
T-BT1315 HT "ORION" SLI w/ 896bit memory (SLI)	950 0200-151
T-BT1315 HT "ORION" in pouch	950 0200-048
T-BT1315 HT X "ORION" in pouch	950 0200-050
T-BT1315 in pouch (custom)	Upon request
Transponder Bag for T-BT1315 with woven RFID logo	950 0000-000
Transponder Bag for T-BT1315 with woven <client> logo	Upon request

# HF LAUNDRYCHIP™ “ORION” 1320

22mm HF transponder, 100% PPS material

T-BT1320 HT “ORION”



## Product info

- Fully ISO 15693 / 18000-3 compatible LaundryChip™
- Up to 25% more reading distance compared to standard 15mm HF chips
- Optimized shape reduces the risk of damages to textiles
- Multi-purpose transponder, suitable for uniforms, mats and most textiles
- Robust LaundryChip™ lasts for up to 200 washing cycles

## Product Description

Compared to the standard 15mm HF chips, this larger tag (diameter 22mm), offers significantly longer read ranges, guaranteeing virtually 100% reading accuracy in complex, dynamic applications.

The high overall performance and levels of mechanical & thermal resistance make the T-BT1320 HT “ORION” transponder a robust, all-round solution for a wide array of textile service applications, from rental uniforms to the healthcare and dust control markets.

# HF LAUNDRYCHIP™ “ORION” 1320

## T-BT1320 HT “ORION”

### Technical data

Dimensions	Ø 22 mm, H 3 mm
Weight	~1.70 g
Temperature	Storage: -40°C – +120°C (-40°F – +248°F) Operating: see product qualification
Material	PPS
Water extractor	up to 32 bars*
Patching	220°C (428°F), 30 seconds 1 cycle
Washing	90°C (194°F), 15 minutes 200 cycles
Tumbler	T input 185°C (365°F); T output 95°C (203°F) 3 minutes 200 cycles
Tunnel finisher	180°C (356°F) 10 minutes 200 cycles
Chemicals	All common chemicals in the washing process
Reading distance	Up to 55 cm (with A-ST1330)
Reading speed	Up to 40 pcs/second with R-IN1300
Lifetime	200 wash cycles or 3 years from shipping date (whichever comes first)
Power supply	Passive, through antenna RF field
Compliance	ISO 15693 / ISO 18000-3
OEKO-TEX® certification	Standard 100, product class II

\* Results based on parameters used in our laundry tests.

### Ordering information

T-BT1320 HT "ORION"	950 0200-170
T-BT1320 HT X "ORION" with laser marking	950 0200-175