

Ellipse®

INTELLIGENCE TAKEN TO THE LIMIT

IT ELIMINATES ANY INTERFERENCE,
EVEN IN THE LIMITS OF THE TV BAND



Lucas Vázquez
Football player for Real Madrid C.F.
and the Spanish National team

Televes®

Ellipse®

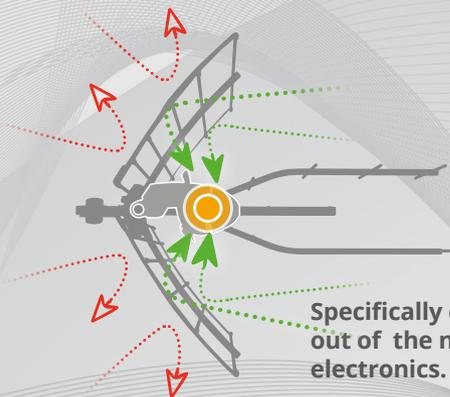
A new concept of DTT antenna that eliminates any interference even in the limits of the TV band, combining a break-through design in a 100% stainless mechanical frame that houses the new generation of TForce electronics, featuring a revolutionary SAW filter.

Ellipse is an intelligent antenna that adapts automatically and in real time to the conditions signals are received. It has been designed to offer a stable and quality reception of DTT (UHF) signals, optimizing the rejection of the LTE band thanks to a SAW filter that offers great selectivity.

You will be captivated by the

INNOVATIVE DESIGN,

with optimal compromise between reception quality and size



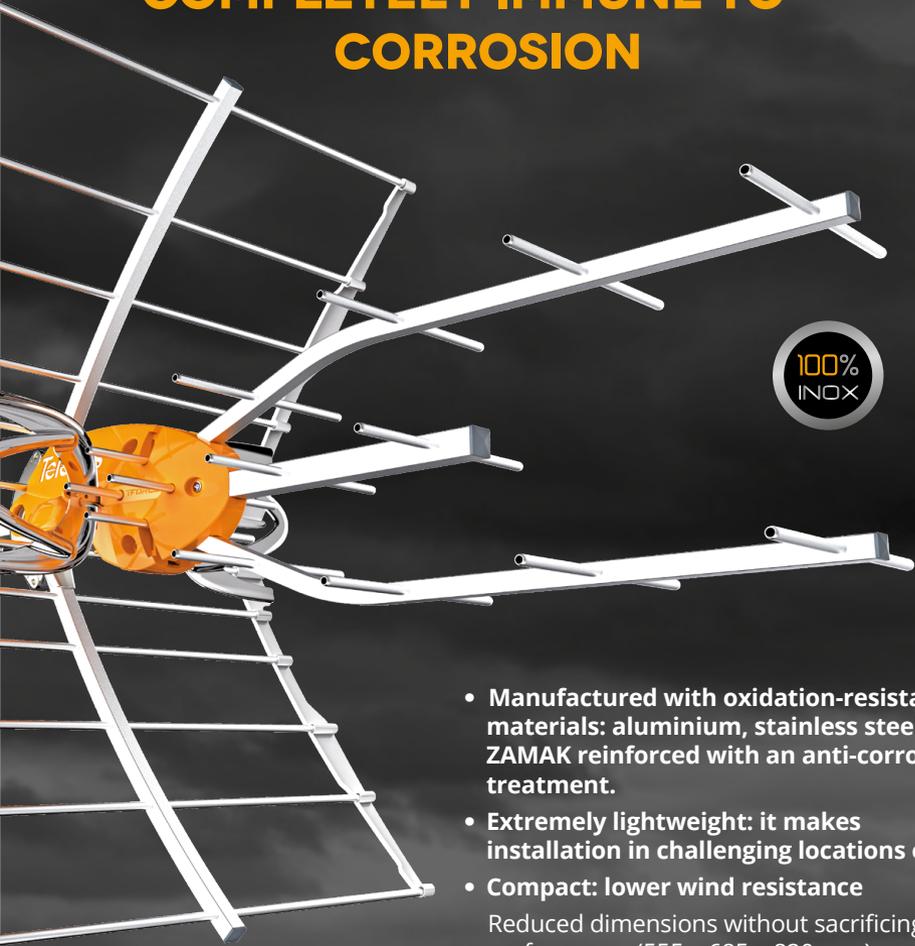
Specifically designed to get the most out of the new generation of TForce electronics.

Unsurpassable aesthetics show a meticulous design and passion for details

Curves enhance reception: the concave surface created by the reflectors focus the signal on the dipole. The convex external side maximize screening and rejection against interferences.



You will be surprised by the **MECHANICS,**
COMPLETELY IMMUNE TO
CORROSION



- **Manufactured with oxidation-resistant materials:** aluminium, stainless steel, and ZAMAK reinforced with an anti-corrosion treatment.
- **Extremely lightweight:** it makes installation in challenging locations easier.
- **Compact:** lower wind resistance
Reduced dimensions without sacrificing performance (555 x 685 x 820 mm).

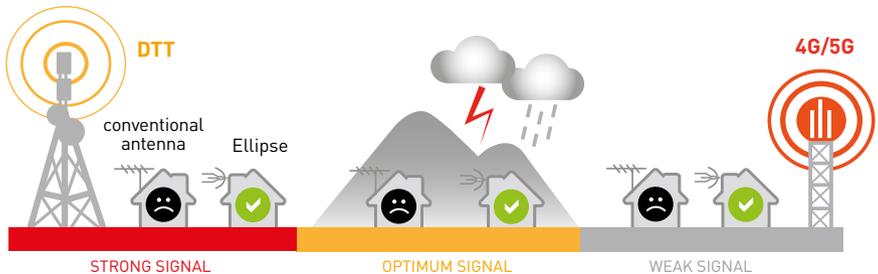
You will be reassured by the

INTELLIGENT ELECTRONICS,

that secure optimum service rejecting any interference,
even unexpected

Ellipse is hands down the best antenna for range of DTT coverage, capable of adapting to ever-changing conditions for signal reception. Never worry again about external factors such as:

- Distance to the transmitter (either too close or too far)
- Adverse terrain or weather conditions
- Current and future LTE interferences



This is possible because our successful BOSSTech system has been re-engineered into our new generation of TForce electronics. Exclusive technology that provides functionality that is hard to match:

TFORCE®

- **The highest dynamic range:** it allows the reception of a quality signal in a variety of situations, detecting very weak signals and avoiding overload with high reception levels.
- **Optimal C/N:** the signal quality is always preserved thanks to a very low noise figure.
- **Optimal gain:** the best possible output level automatically, every time.
- **The high-rejection SAW filter (Surface Acoustic Wave):** it suppresses interferences even in the limits of the TV band.

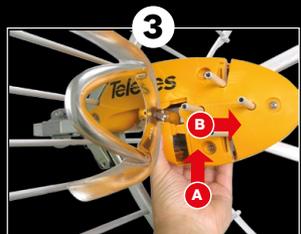
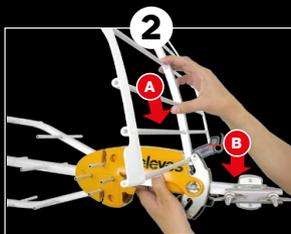
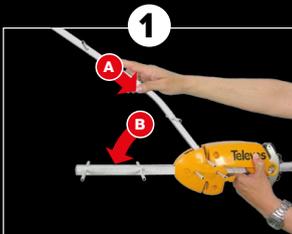
PSU included: intelligence is activated when the antenna is powered.

You will be satisfied with **MANUFACTURING QUALITY** produced in state-of-the-art facilities

Manufactured in a fully automated production and verification line that ensures the highest level of performance guarantee

You will experience the benefits of an seamless **ASSEMBLY PROCESS** in just 3 easy steps

- Quick assembly in less than 30 seconds
- No tools required
- A robust and permanent fastening system



Ellipse®

SPECIFICATIONS		14892x	14890x
WORKING BAND	MHz	470 - 698 (CH21 - CH48)	470 - 790 (CH21 - CH60)
MODE		INTELLIGENT (BOSS ON)	
GAIN	dBi	38 ±2	
OUTPUT LEVEL		Auto	
NOISE FIGURE	dB	2,5 (typ)	
SIGNAL LEVEL OF USE (RECOMMENDED)	dB μ V	< 75	
POWERING VOLTAGE	V	12-24	
CONSUMPTION	mA	40 (max)	
BEAMWIDTH	°	30	
F/B RATIO	dB	>20	
WIND LOAD	N	96 (@ 130 Km/h) 132 (@ 150 Km/h)	

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