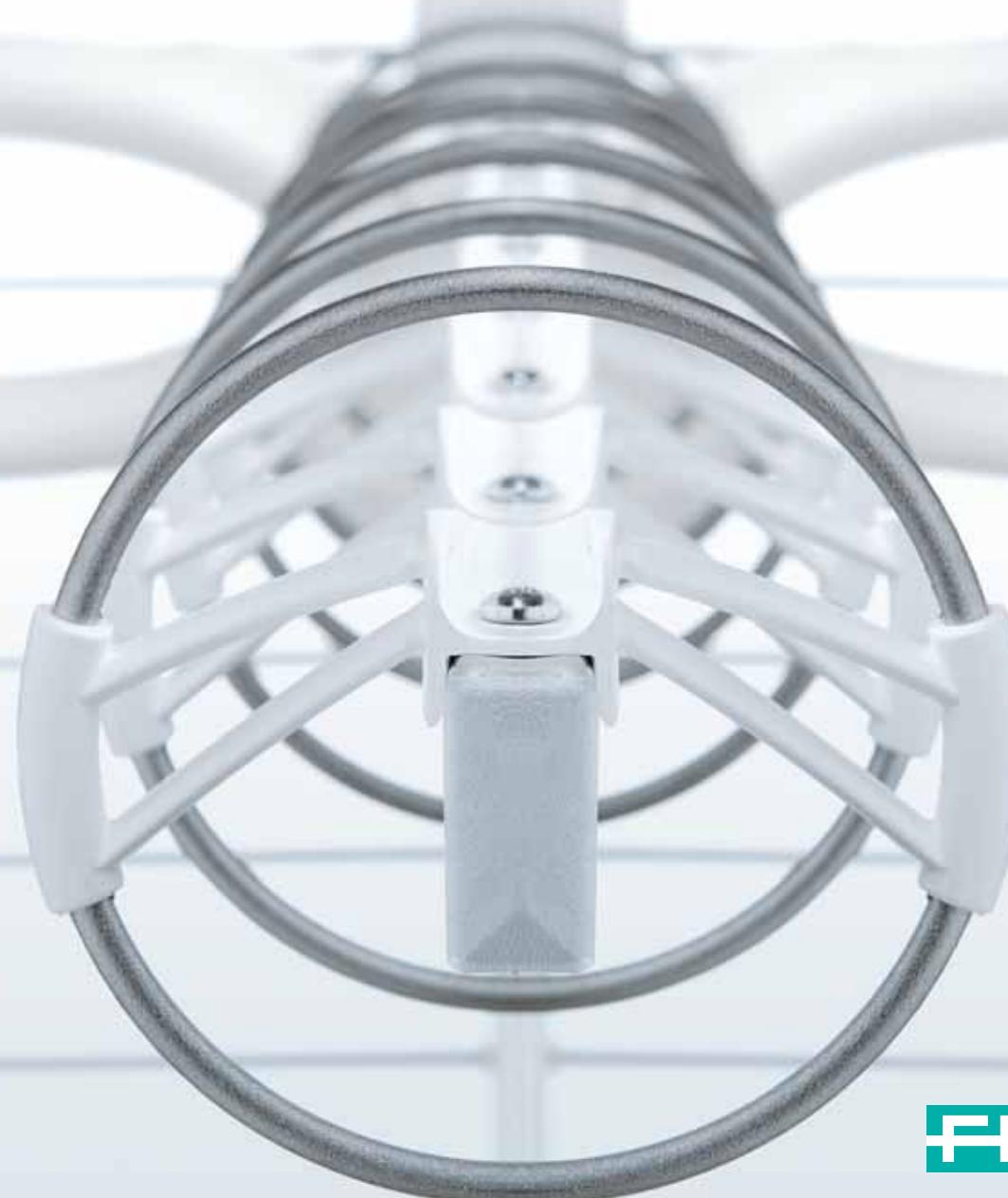
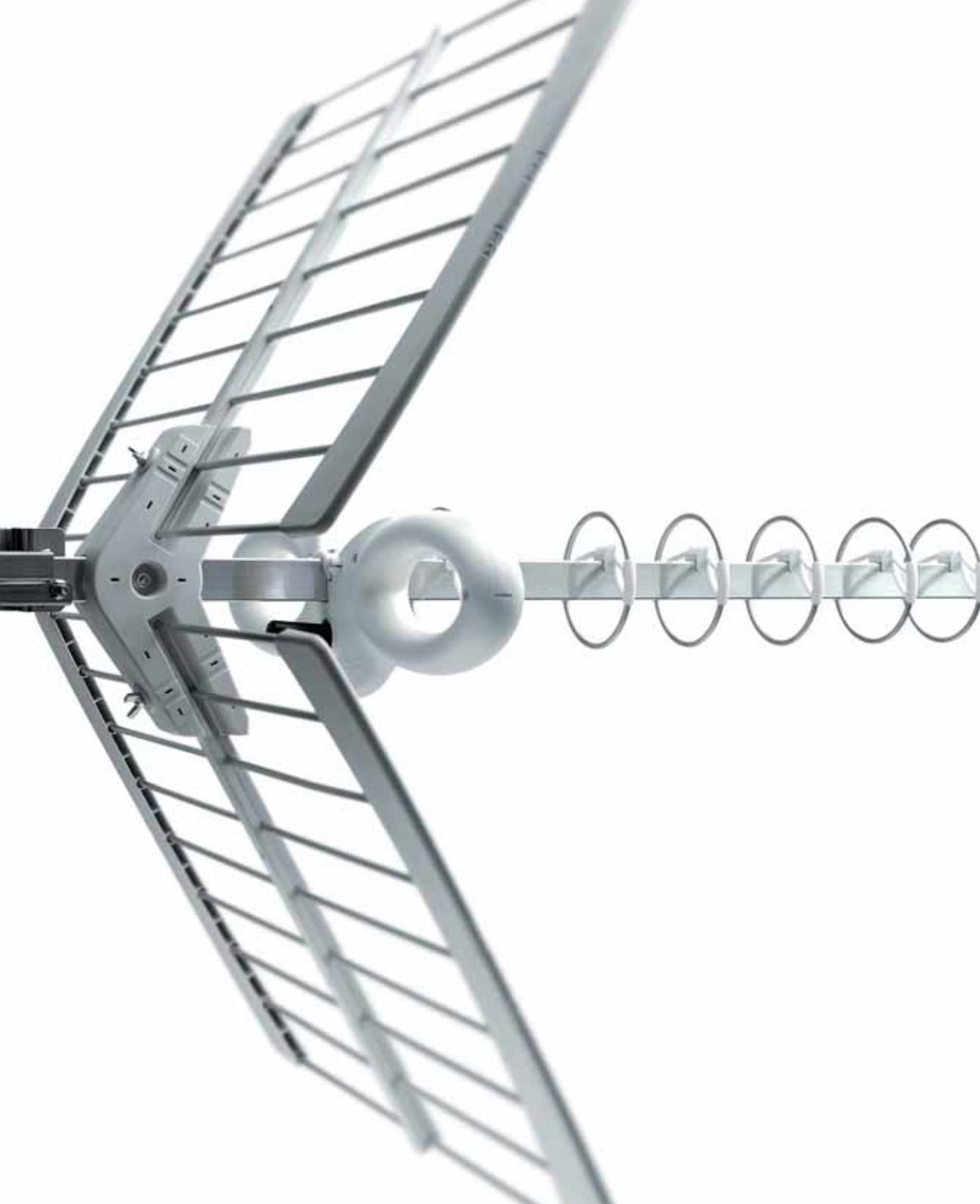


Extra Terrestrial.



FRACARRO



Extra Terrestrial.

Fracarro revolutionises
terrestrial aerials.

With **Sigma**.

From the **technological expertise** that has been accumulated in **75 years of history** and from our commitment to product **innovation**, we were able to create **Sigma**, a new **range** of terrestrial aerials, unique in **performance** and **design**.

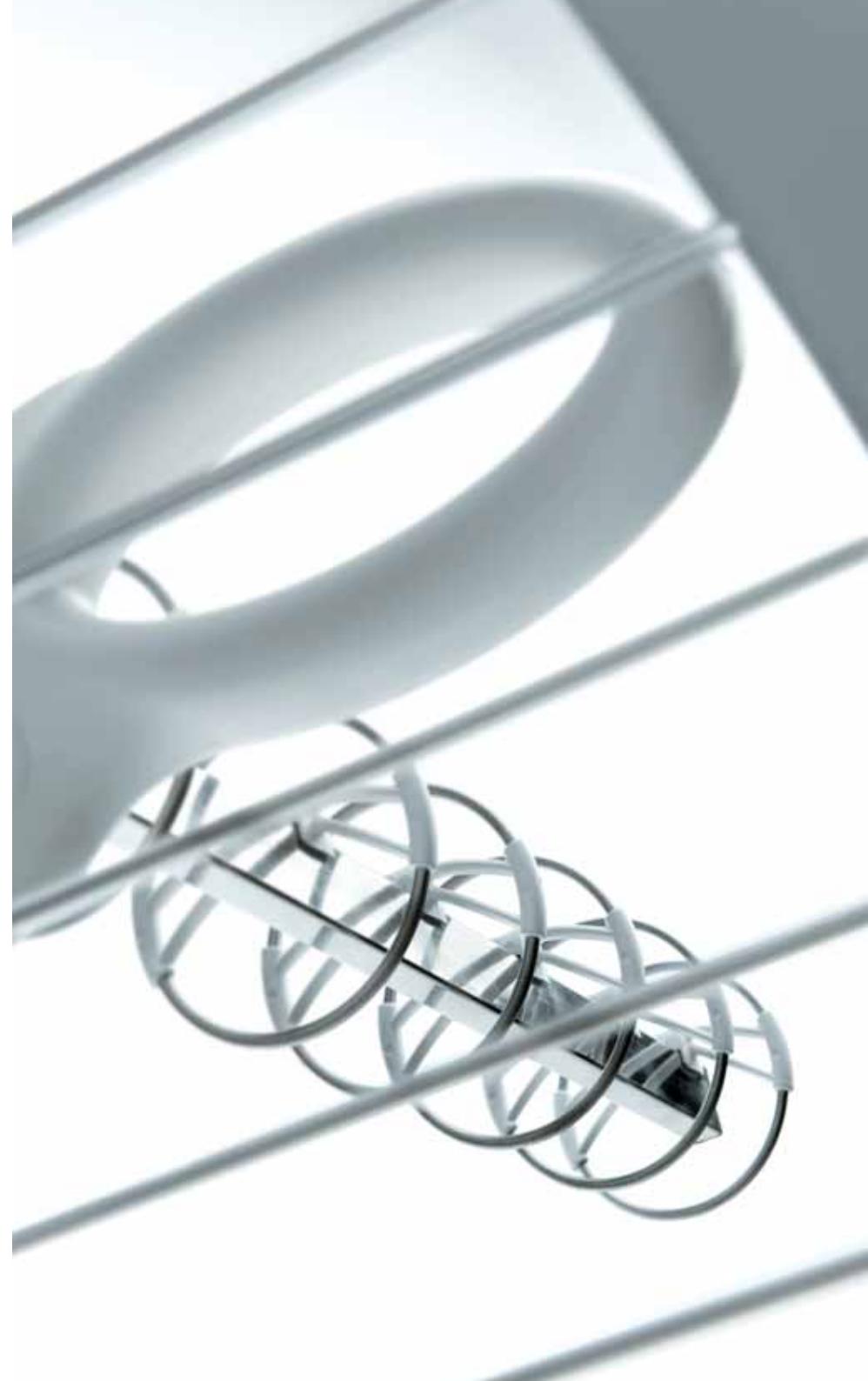
The new aerials, which are unique in the market, are the result of the work by Fracarro's Research and Development department. They achieve their objective in improving the electrical characteristics of the currently available models and they are **perfect for the reception of digital terrestrial signals**.

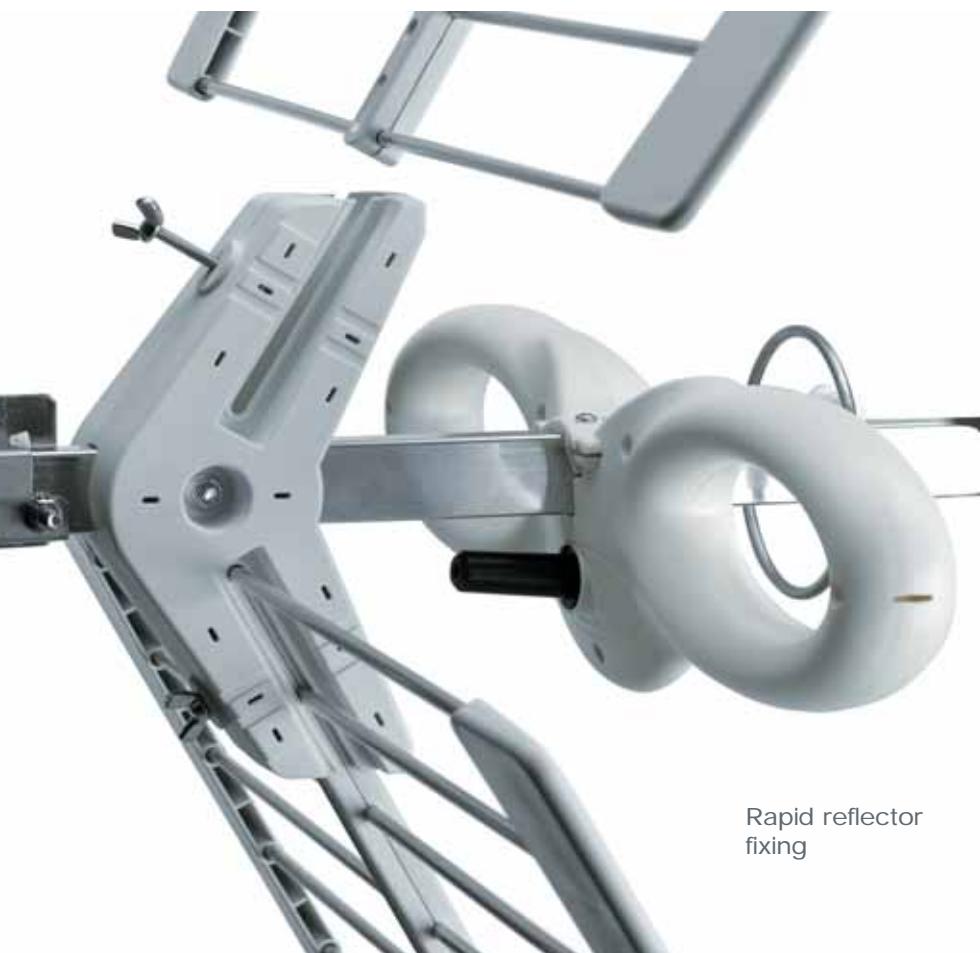
Sigma aerials are:

- ▶ Perfect for terrestrial digital
- ▶ Ready for high definition
- ▶ Easy and quick installation
- ▶ Completely made in Italy
- ▶ Guaranteed for 4 years



Standard 2





A quality patented aerial

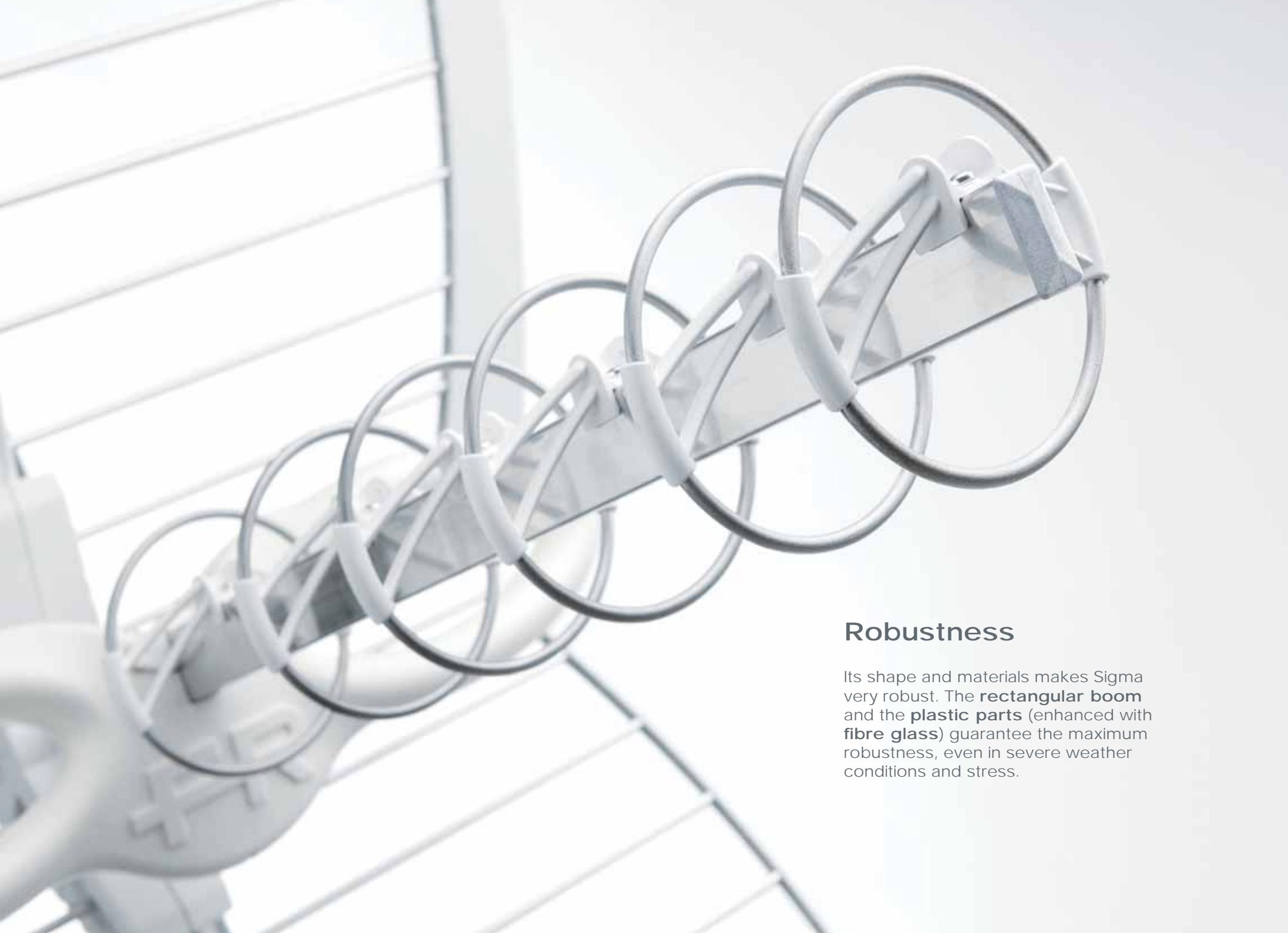
The original design of the new aerials, patented by Fracarro, allows a particular **directivity** (with the maximum reduction in interference) and a **maximum gain (17dBi)** and is also high throughout the whole reception band.

The gain achieved is comparable with an aerial twice its length!

Functionality

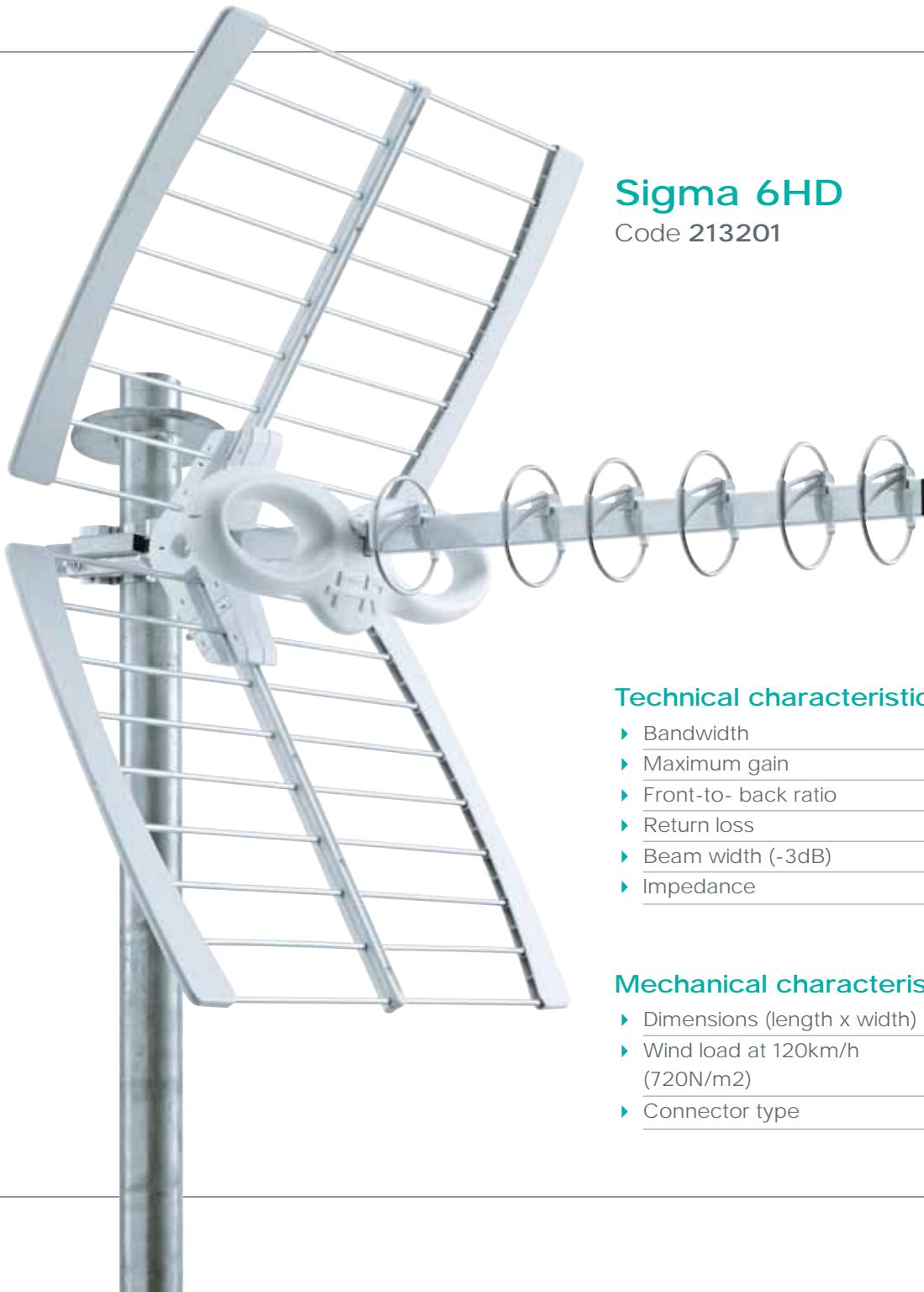
Sigma aerials are **pre-assembled** and can be **installed** easily and quickly **without any tools** (the director elements, mast clamp, reflector support and driven element rail are already fixed). The driven element is inserted onto the rail with a simple movement, the reflectors are also inserted easily to the pre-assembled support and then secured in position with a **pre-fixed wing bolt**.



A close-up, low-angle shot of the Sigma windbreak's mechanical components. The focus is on the rectangular boom, which is a thick, grey, U-shaped metal frame. It is attached to a white plastic part with a circular base. The background shows more of the windbreak's structure, including a vertical pole and several thin, light-colored cables.

Robustness

Its shape and materials makes Sigma very robust. The **rectangular boom** and the **plastic parts** (enhanced with **fibre glass**) guarantee the maximum robustness, even in severe weather conditions and stress.



Sigma 6HD

Code 213201

Main characteristics

- ▶ 6 directors
- ▶ Wideband UHF aerial for TV reception
- ▶ Dipole with F connector (driven element)
- ▶ H or V polarisation with tilt adjustment
- ▶ Maximum mast mounting diameter 60mm
- ▶ Galvanized mast mounting with wing nuts
- ▶ Double rod reflector
- ▶ UHF Channels: 21-69

Technical characteristics

▶ Bandwidth	470-862MHz
▶ Maximum gain	17dBi
▶ Front-to- back ratio	32dB
▶ Return loss	-18dB
▶ Beam width (-3dB)	+/-18°
▶ Impedance	75 Ohm

Mechanical characteristics

▶ Dimensions (length x width)	920x625mm
▶ Wind load at 120km/h (720N/m ²)	23 kg (225.4N)
▶ Connector type	F

Accessories

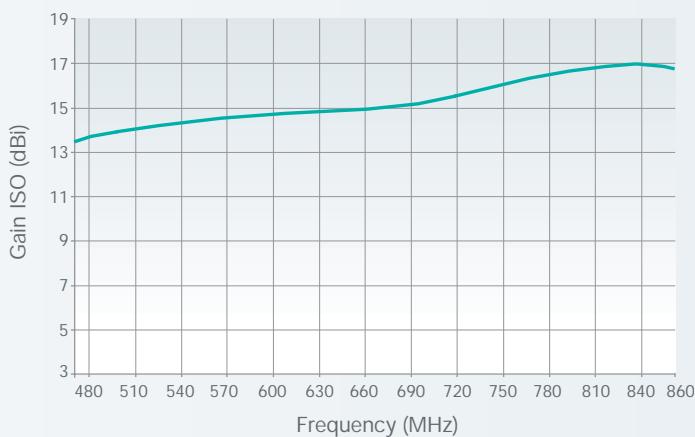
- ▶ Horizontal polarization
- ▶ Horizontal polarization with tilt adjustment
- ▶ Vertical polarization
- ▶ Vertical polarization with tilt adjustment

Package

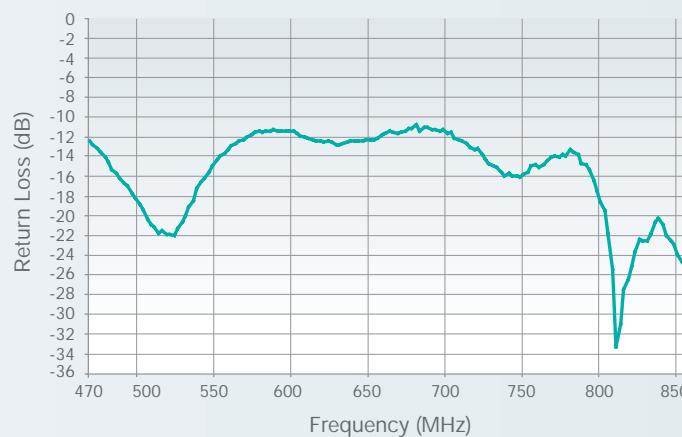
▶ Dimensions	980x450x130mm
▶ Quantity	1 piece
▶ Unit weight	2.9kg

Frequency performance

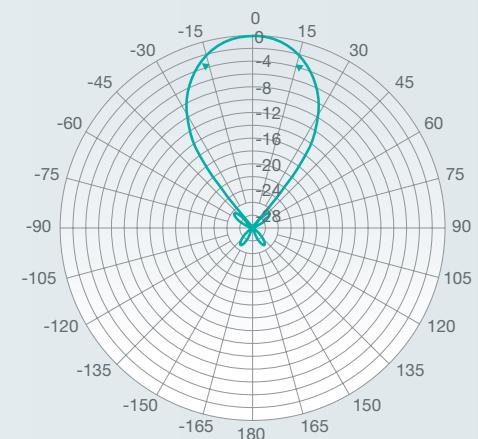
► Gain



► Return loss

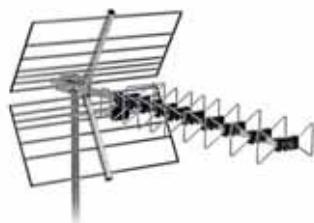


► Polar diagram



The Fracarro catalogue includes the most complete and technologically innovative:

► TV aerials



► SAT aerials



► Electronics for mast and indoors



► Headends



► CATV systems and fibre optic solutions



► Multiswitches



► Distribution components



For further information
www.fracarro.com

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