

## ELIKA

## UHF Aerials



Helical UHF band aerial with F connector, it is an evolution of the Loop Yagi technology, already adopted to Fracarro.

## Technical Chars

- Pre-assembled directors, radiator and reflectors snap onto a slide already present on the cradle; **assembly** is completed **without** the need for any **tools**.
- Special attention was paid to the choice of materials to achieve higher **robustness**.
- High gain and **extraordinary directivity with almost no side lobes**.
- Innovative pole mount with zenith adjustment as standard and knurled surface for optimum strength and hold to the pole, and **large butterfly nut** for **tightening without the need for any tools**.
- An **LTE filter** has been inserted into the dipole radiator to guarantee the quality of the distributed signal and to achieve excellent filtering of **4G interfering** signals in the LTE band (790-860 MHz) reserved for mobile telephony.
- Exclusive **Elika design patented** by Fracarro.

ELIKA		
Code		213226
Elements		1
Band		UHF
Channel		E21-E60
Bandwidth	MHz	470-790
Gain	dBi	17.5
Front/Back ratio	dB	32
Return loss	dB	-18
Beam width (3dB)	°	±18
Wind load 120km/h 729N/m <sup>2</sup>	kg (N)	19 (186.3)
Connector		F
Impedence	Ω	75
Max mast diameter	mm	60
Dimensions	cm	92 x 82 x 62
Accessories		
Horizontal polarisation		Included

Vertical polarisation		Included
Vertical polarisation tilt adjustment		Included
Auxiliary boom		-
<b>Dimensions and packaging</b>		
Packing		Single in bag
Pieces		10
EAN code		8016978100583
Multiple EAN		8016978101931
Packaging dimensions	mm	810 x 1070 x 490
Packaging weight	kg	28.4
Unit weight	kg	2.30
Total weight	kg	27.6

**Gain (x: MHz frequency, y: ISO dBi gain) and Polar diagram (@790MHz)**

