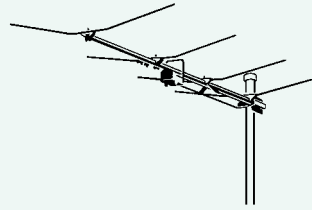


## Channel antennas for VHF III, Super-Magneta

Type	FESA 309 AN K 9	FESA 309 AN K 10	FESA 309 AN K 11	FESA 309 AN K 12
Order No.	910 838-609	910 838-610	910 838-611	910 838-612

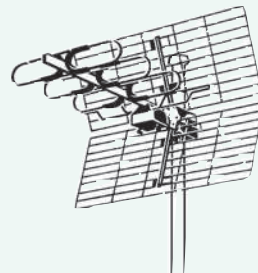


- Coaxial connection or symmetrical with screw clamps
- Swivel mast mounting for for masts up to 60 mm diameter
- Can be mounted horizontally or vertically
- Completely pre-assembled
- Extremely high front to back ratio
- Low wind load
- Suitable for DVB-T

Product Data				
Channels	9	10	11	12
Gain	9 dB	9 dB	9 dB	9 dB
Wind load vertical	47 N	46 N	44N	44 N
Front to back ratio	23 dB	23 dB	23 dB	23 dB
Angle of acceptance horizontal	52°	52°	52°	52°
Angle of acceptance vertical	66°	66°	66°	66°
Dipole length	1.35 m	1.29 mm	1.23 m	1.24 m
Wind load horizontal	29 N	28 N	27 N	27 N
Operating conditions				
Weight	1.30 kg	1.30 kg	1.30 kg	1.30 kg
Packing				
Individual packing dimensions wxhxd	140x15x11.5 cm	140x15x11.5 cm	140x15x11.5 cm	140x15x11.5 cm

## Band antennas for UHF IV/V, Super-Spectral

Type	FESA 813 N 69	FESA 815 N 37
Order No.	910 860-601	910 862-601



- Coaxial connection or symmetrical with screw clamps
- Swivel mast mounting for for masts up to 60 mm diameter
- Can be mounted horizontally or vertically
- Extremely high front to back ratio
- High side lobe attenuation
- Completely pre-assembled
- Surface wave trap
- Suitable for DVB-T

Product Data		
Channels	21-69	21-37
Gain	9 -13 dB	12.5 -15 dB
Front to back ratio	23 -30 dB	30 dB
Angle of acceptance horizontal	55°-33°	42°-31°
Angle of acceptance vertical	71°-43°	50°-34°
Dipole length	0.7 m	1.45 m
Wind load horizontal	59 N	89 N
Wind load vertical	76 N	124 N
Mast diameter	max. 60 mm	max. 60 mm
Operating conditions		
Weight	2.0 kg	2.8 kg
Packing		
Individual packing dimensions wxhxd	58x39x10.5 cm	78x49.5x10 cm