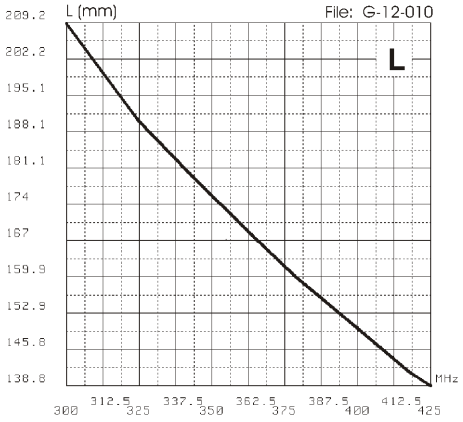
TUNING INSTRUCTIONS

TYPICAL TUNING DIAGRAM vs FREQUENCY



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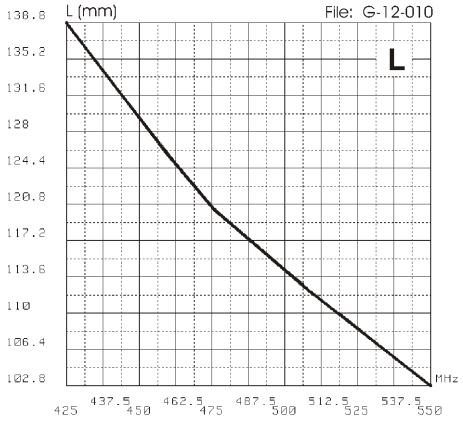
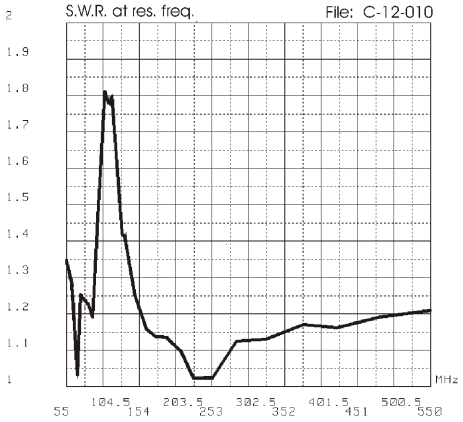
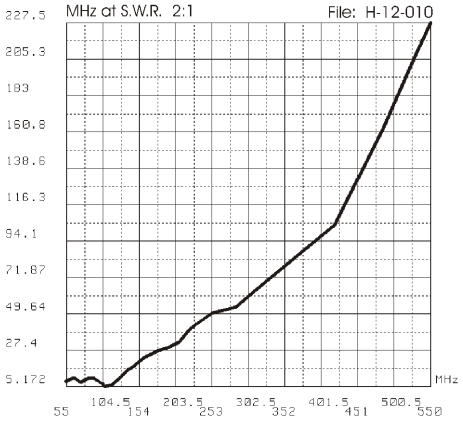


MATCHING & BANDWIDTH DIAGRAMS

TYPICAL MATCHING DIAGRAM vs FREQUENCY



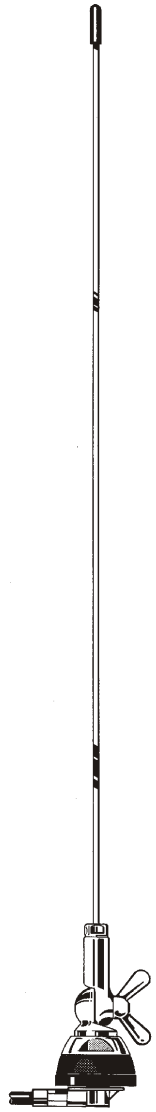
TYPICAL BANDWIDTH DIAGRAM vs FREQUENCY



SIRIO antenne HI-QUALITY ANTENNAS MADE IN ITALY

SMA 55-550 SMA 108-550

VHF Mobile Antennas 55...550 MHz or 108...550 MHz Stainless steel whip



Installation Manual

DESCRIPTION

1/4 mobile antennas covering the frequency range of 55...550 MHz or 108...550 MHz by using the enclosed cutting diagram. SMA series is made of 17/7 PH stainless steel rod and supplied with "SL", "S" mount (from 55 up to 300 MHz) or "N" mount (from 55 up to100 MHz).

SPECIFICATIONS

Electrical Data

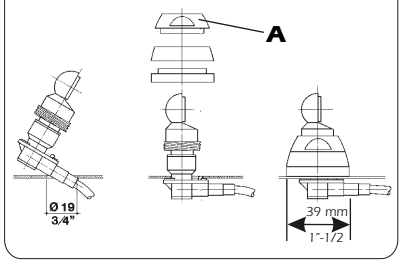
Type	: 1/4	
Frequency Range	: SMA 55-550	from 55 to 550 MHz tunable by cutting
	: SMA 108-550	from 108 to 550 MHz tunable by cutting
Impedance	: 50	
Radiation	: Omnidirectional	
Polarization	: Linear Vertical	
Gain	: 0 dB ref. to a /4 whip	
Bandwidth @ SWR 2	: see diagram ("SL" mount)	
SWR @ res. freq.	: see diagram ("SL" mount)	
Max Power	: 100 Watts	
Standard Mount	: "SL", mounting hole	19 mm, cable 5m RG 58 (55...550 MHz)
Alternative Mount	: "S", mounting hole	19 mm, cable 5m RG 58 (55...300 MHz only)
	: "N", mounting hole	12.5 mm, cable 4m RG 58 (55..100MHz only)

Mechanical Data

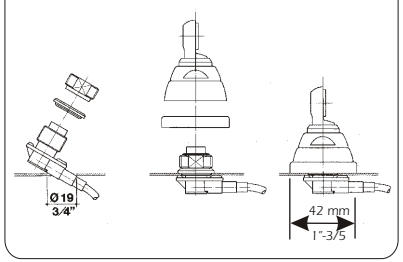
Materials	: Stainless Steel 17/7 PH, Nylon, Chromed Brass	
Height (approx.)	: SMA 55-550	1360 mm
	: SMA 108-550	720 mm
Weight (approx.)	: 400 gr	

MOUNT INSTALLATIONS

"**SL**" Mount



"**S**" Mount

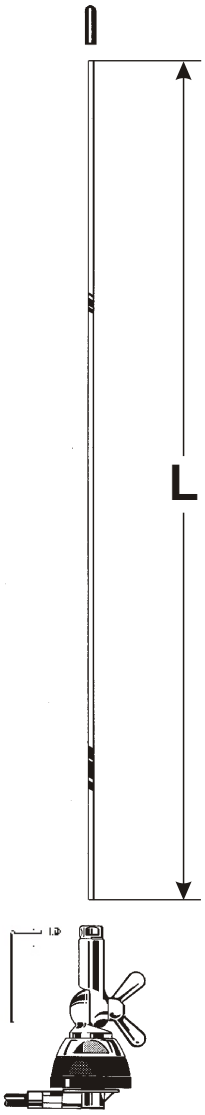


"**N**" Mount

"SL" MOUNT REMARK: Be careful during installation do not use too much strenght but tighten the metal ring **A** by means of the suitable tool. **TIGHTENING TORQUE: 4 Nm ± 10%**

PRECAUZIONE PER BASE "SL": Porre attenzione durante l'installazione. Non serrare con troppa forza ma avvitare l'anello metallico **A** utilizzando la chiave adeguata. **COPPIA DI SERRAGGIO: 4 Nm ± 10%**

TUNING INSTRUCTIONS



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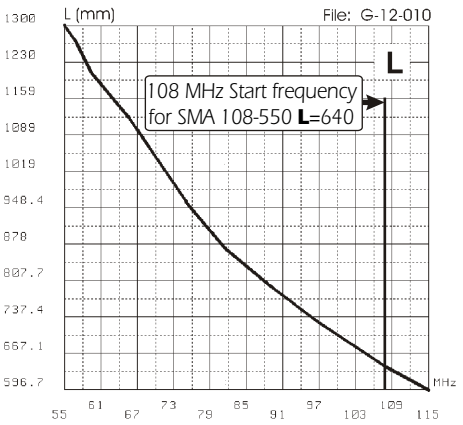

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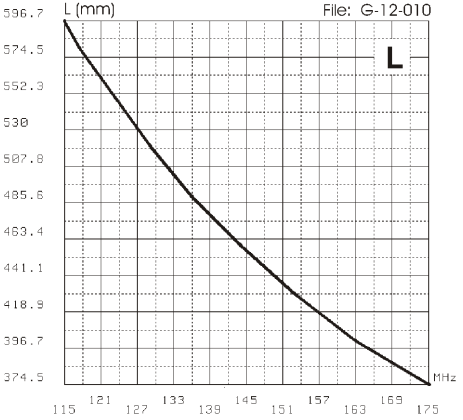

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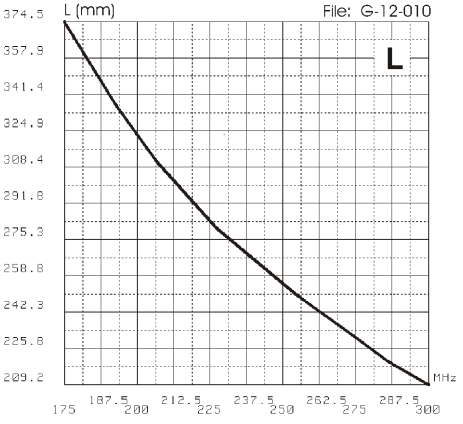

NOTE:

- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.