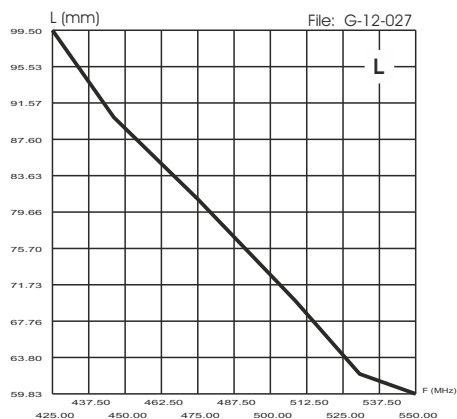


TUNING INSTRUCTIONS

TYPICAL TUNING DIAGRAM vs FREQUENCY



GENERAL INSTRUCTION FOR MAGNETIC MOUNT

IT 1. L'installazione di antenne veicolari mediante base magnetica è da ritenersi una soluzione **TEMPORANEA** poiché la base magnetica **non può** garantire la stessa tenuta di una base fissa. Si consiglia per tanto, per la vostra e l'altrui sicurezza, di **NON SUPERARE I 80 Km/h**.

2. La posizione più idonea per il corretto funzionamento della base magnetica è a **centro tetto** del veicolo. In taluni casi è possibile installarla in posizioni alternative (bordo tetto o baule) a patto che le superfici di appoggio nella zona di contatto della base magnetica siano sufficientemente piane da garantire la corretta tenuta della base. Durante la prima installazione si consiglia di prestare attenzione alla tenuta della base magnetica durante la marcia per verificarne l'adeguatezza di montaggio.

3. Consigliamo vivamente di rimuovere la base magnetica quando inutilizzata in modo da evitare l'accumulo di sporcizia al di sotto della stessa e i conseguenti danni alla carrozzeria del veicolo. Una sosta prolungata sotto il sole, soprattutto durante i mesi estivi, può far innalzare la temperatura del tetto del veicolo fino a 70/80 gradi centigradi con conseguenti seri danni sia alla base magnetica che alla carrozzeria. Si consiglia per tanto di **rimuoverla sempre dopo ogni utilizzo**. Si raccomanda la **rimozione** anche **prima di entrare nell'autolavaggio**.

EN 1. *Magnetic mounts are only suitable for temporary installation and are not safe or strong as fixed body mounts so for your own safety as well as the safety of other road users please **DO NOT EXCEED THE SPEED LIMITS OF 80 Km/h OR 50 MPH**.*

2. *For optimum results the magnetic base should be fixed on the **centre of the car roof**, however alternative mounting positions can be used as long as the surface is flat enough to guarantee a strong installation. Pay particular attention to the stability of your magnetic mount to ensure safety during driving.*

3. *It is recommended that your magnetic mount is removed after each time it is used, so that any dirt can be removed before the magnet is used again. Also do not leave the vehicle parked in direct sunlight for long periods with the magnet installed as high temperatures (70 / 80 °C) can damage the magnetic base and car body. We strongly recommend that you **always remove your magnetic mount after each use and before visiting a car wash**.*

 **SIRIO**[®]
antenne HI-QUALITY ANTENNAS MADE IN ITALY

© Copyright SIRIO antenne - Technical Data are subjected to change - Printed in ITALY - Rev. 25/03/2026 - Cod. ID499

MGA 108-550 MAG

VHF Mobile Antenna 108...550 MHz Stainless steel and spring whip



Installation Manual

DESCRIPTION

1/4 λ mobile antennas covering the frequency range of 108...550 MHz by using the enclosed cutting diagram. MGA is made of 17/7 PH stainless steel rod and stainless steel spring. It is supplied with "MAG-60-S" magnetic mount.

SPECIFICATIONS

Electrical Data	MGA 108-550 MAG
Type	1/4 λ
Frequency Range	from 108 to 550 MHz tunable by cutting
Impedance	50 Ω
Radiation	Omnidirectional
Polarization	Vertical
Gain	0 dB ref. to $\lambda/4$
Max Power	100 Watts
Feed System / Position	Direct / Base
Standard Mount	"MAG-60-S", magnetic mount, cable 3m (10ft) RG58, PL259 connector
Mechanical Data	
Materials	Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	740 mm, 2.4 ft
Weight (approx.)	500 gr, 1.1 lb

MOUNT INSTALLATIONS

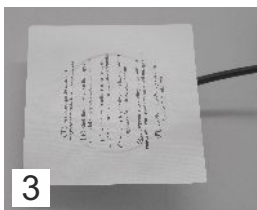
Nota: la cartina autoadesiva è **INDISPENSABILE** per il corretto funzionamento elettrico della base magnetica MAG 60-S.

Remark: for a correct electric performance of the MAG 60-S magnetic mount, it's **NECESSARY** to apply the pvc sticker.



a) Dopo aver pulito la superficie del magnete con straccio e alcool, staccare la cartina autoadesiva in pvc argento dal supporto (foto 1) ed applicarla in modo uniforme e senza pieghe (foto 2 e 3).

a) Clean the surface of the magnet by using a cloth and alcohol and apply the pvc sticker paying attention to keep the surface as smooth as possible (pict. 1, 2, 3).



b) Ritagliare la cartina con un taglierino appoggiando la base su una superficie di cartone o gomma (foto 4)

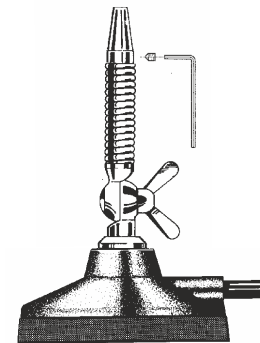
b) Cut the pvc sticker following the magnetic shape. Be careful to use a carton layer when cutting to avoid damages to the working surface (pict. 4)



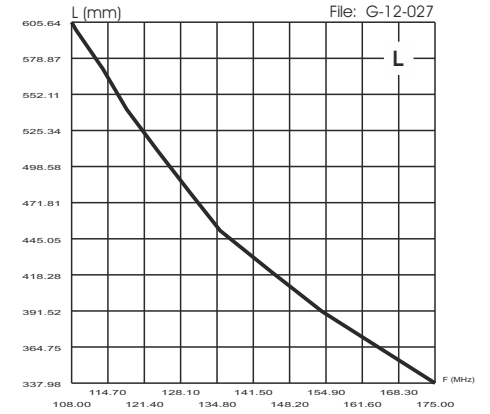
c) Montare la protezione in gomma (foto 5)

c) Assemble the rubber protection (pict. 5)

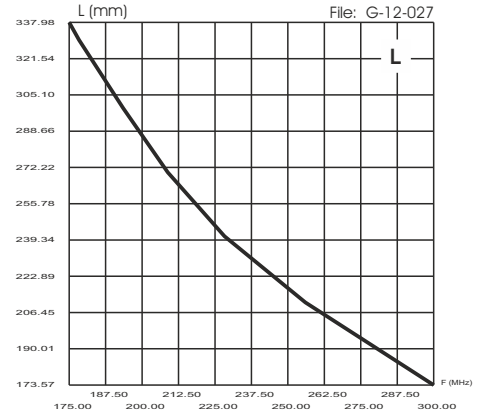
TUNING INSTRUCTIONS



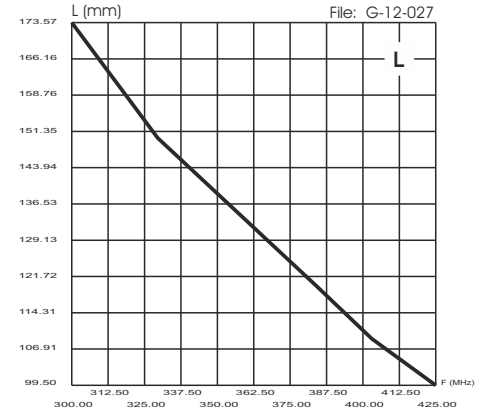
TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



NOTE:

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