Vehicle Gutter /P Mast Support

From: G8MNY@GB7CIP.#32.GBR.EU
To: TECH@WW

By G8MNY (Updated Apr 05)

Here is a mast support system for the side of a car or van with a gutter. (Other roof supports are possible for example an extension from a ladder rack, or a metal sheet shut in door/window to support the mast, the higher the safer!

--- Diagram ---

AERIAL

Walk up or Extendible Mast System

X frame Bracket

Windup Extendable mast system is in another bul.

--- Diagram ---

GUTTER "X" FRAME SUPPORT

CLAMP ARRANGEMENT

<table>
<thead>
<tr>
<th>Self Tap</th>
<th>Threaded</th>
<th>Thick</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw v</td>
<td>rod</td>
<td>8mm</td>
</tr>
</tbody>
</table>

--- Diagram ---

PLAN VIEW

Amalgamated tape covered

<table>
<thead>
<tr>
<th>GUTTER</th>
<th>8mm tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamp\</td>
<td>//Clamp</td>
</tr>
</tbody>
</table>

--- Diagram ---

IN USE

Pop the pole vertical, attach to X bracket (bungee). Use the bungee tension to stop the mast for turning! Keep the bottom position on the ground to keep vertical.

Depending on conditions bottom can be left on the ground or a bearing plate pegged in. Drive over bottom bearings/supports seem a good idea, but U need to be able to reposition it to make the mast vertical.
It is generally wise to have cables well secured, either just to the top of an extending mast or all the way down on a walk-up one.

In public areas I always guy the mast with 4 guy strings for safety as well!

Also used with it is a 12V rotator that the mast sit on. It is a low torque easily stalled rotator so of anything fouls up it does no damage!

Why Don't U send an interesting bulletin?

73 de John G8MNY @ GB7CIP