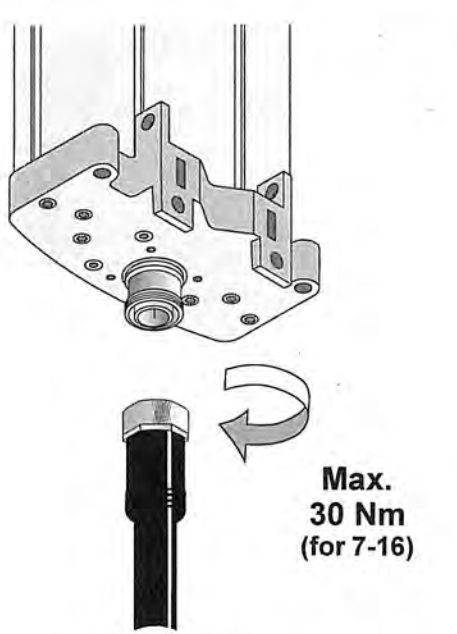


Mounting options for Allgon antennas with aluminium gables:

Document No:

1. Vertically, directly on a wall. (You will need screws for diameter 6,6 mm)..... *No instruction needed*
2. Vertically (assuming a vertical support), using hose clips..... 71000
3. Vertically, using heavy-duty clamps (for a particularly secure fastening)..... 71005
4. Vertically, with a panning wall bracket..... 71001
5. Tilted, with a tilt bracket directly on a wall..... 71003
6. Tilted, with a tilt bracket and hose clips..... 71003, 71000
7. Tilted, with a tilt bracket and heavy-duty clamps (for a particularly secure fastening)..... 71003, 71005
8. Tilted and panned, using a tilt bracket on a panning wall bracket..... 71003, 71004



**Max.  
30 Nm  
(for 7-16)**

**Tightening torque for the plug (male) connector(-s) when connecting the feeder cable to an Allgon antenna:**

- Tighten the **7-16** connector(-s) with a tightening torque of **max. 30 Nm**.
- **Other connectors** is to be tightened in accordance with the tightening torque recommended by the supplier of the connector(-s) but maximum 30 Nm.

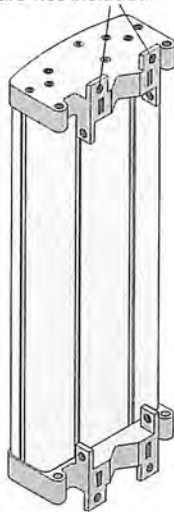
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# Mounting options for Allgon antennas with aluminium gables

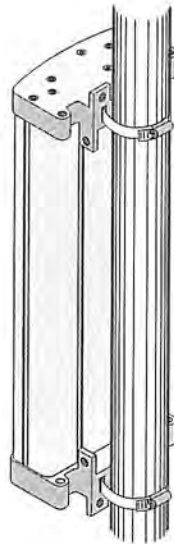
## General

Allgon antennas and antenna mounts have been carefully designed and tested to ensure fast, problem free installation. This document shows an illustration of brackets that can be used when the antenna has aluminium gables. Observe that the antenna in the picture is only principal for all antenna models. Separate mounting instruction is included with each bracket. The document numbers are shown in the table on page 2.

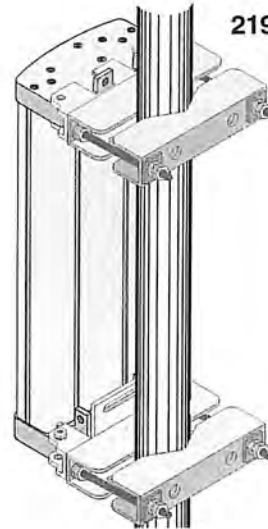
- 1. Directly on a wall**  
Screws for holes diameter 6,6mm (x4) are not included.



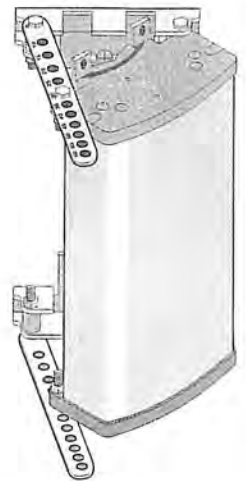
- 2. Hose clips**  
**2190.xx**



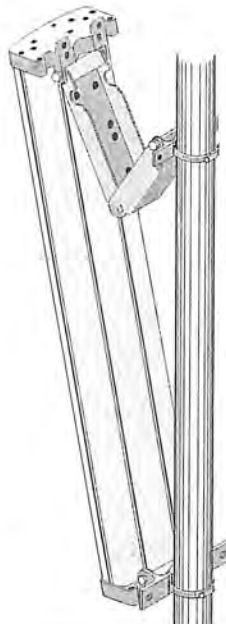
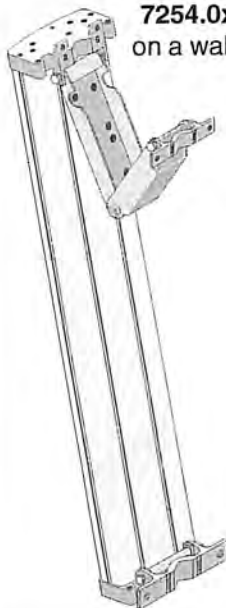
- 3. Heavy duty clamps**  
**2165.000x**  
and  
**2194.0x**



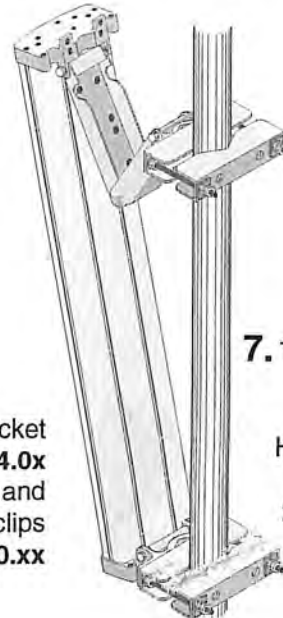
- 4. Panning wall bracket**  
**2194.0x**



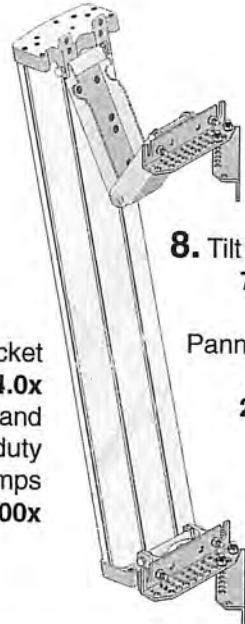
- 5. Tilt bracket**  
**7254.0x**  
on a wall




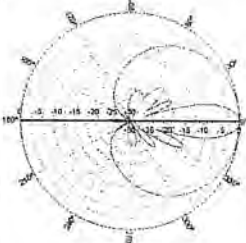
- 6. Tilt bracket**  
**7254.0x**  
and  
Hose clips  
**2190.xx**



- 7. Tilt bracket**  
**7254.0x**  
and  
Heavy duty clamps  
**2165.000x**



- 8. Tilt bracket**  
**7254.0x**  
and  
Panning wall bracket  
**2201.0x**

<b>Product name</b>		
<b>7332.00</b>	<b>ALVC-800/1900-80-14i/17i-0-D</b>	
<b>Electrical Specifications</b>		
Frequency range (MHz)	806-896 / 1850 - 1990	
Polarization	Vertical linear	
Gain 800/1900 MHz (dBi)	14,0 / 17,0	
Nominal impedance (ohm)	50	
VSWR Tx	< 1,4:1	
VSWR Rx	< 1,4:1	
Horizontal -3 dB beamwidth (°)	80 +/-4	
Vertical -3 dB beamwidth 900/1800 MHz (°)	15 / 7	
Electrical downtilt (°)	0	
Vertical beam squint (°)	< 0,5	
Front-to-back ratio (dB)	> 27	
First upper sidelobe suppression (dB)*	>16/16	
First null below horizon 900/1800 MHz (dB)*	N/A / -17	
Maximum input power, per band (W)	600/350	
Typical input power, combination (W)	300/175	
IM, 3rd order (2 Tx at 43 dBm 800MHz), (dBm)	< -107	
IM, 3rd order (2 Tx at 43 dBm 1900MHz), (dBm)	< -104	
<b>Mechanical Specifications</b>		
Connector type	7/16	
Connector position	bottom	
Dimensions, HxWxD	1350x280x125mm (4'5"x11"x5")	
Weight without bracket	9,4kg (20.7lbs)	
Wind load, frontal, 42 m/s Cd=1 (N)	410	
Survival wind speed (m/s)	70	
Lightning protection	DC grounded	
Radome material	GRP	
Radome colour	Light gray	
Packing size	1520x355x200mm (5'x1'2"x10")	
Shipping weight	12,1kg (26.7lbs)	
<b>Comments</b>		
Gain is typical within frequency band.		
Horizontal tracking is defined within +/-60° from boresight.		
Front-to-back ratio is defined within 45° from the backwards direction in any plane.		
Sidelobe suppression and null fill is relative to peak of main beam.		
Packing size is for antenna only (brackets excluded).		
Radome colour is NCS 2502-B (RAL 7035).		
* Values are representative for 0 degree EDT, variants may differ slightly.		
		<p><b>800 MHz</b></p>  <p><b>1900MHz</b></p> 