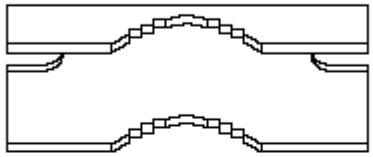
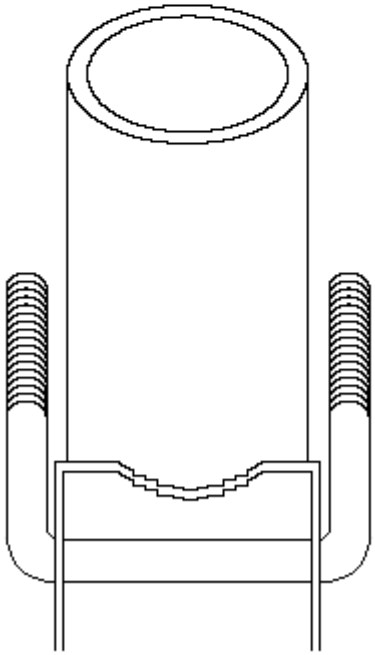
BestPartner sector antennas installation maunal.

Applies to Vector, Vector XP and Vector V-PRO antennas.

Procedure:

1. Attach the antenna to the pole using included handle.
2. Attach 2 u-bolts by inserting them through saddle clamps and securing with nuts and lock washers.
3. Place antenna over pole, align horizontal direction by rotating on pole and tighten the u-bolt nuts.
4. Set up vertical align using included handle with graduation. Tighten the nuts in desired handle position.
5. Attach a low loss signal cable to the integrated N(F) connector. Seal the connector joint with waterproof sealing tape or sealing compoud.





Note 1:

The mounting handle is suitable fore pole diameters from ½ to 1 ¾ inches. Mountning poles and their supports should be designed to withstand the wind loads as required by the local building code.

Note 2:

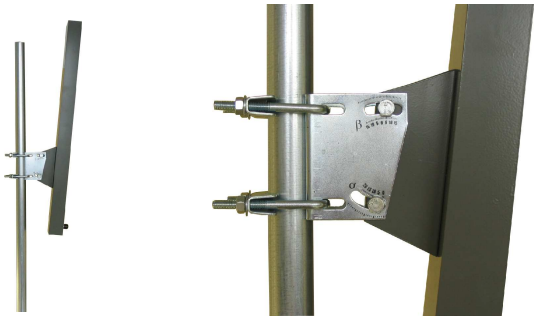
To set the bending of the antenna, use the α and β graduation. See the table and pictures below.

Tab.1: Central beam range (in meteres):

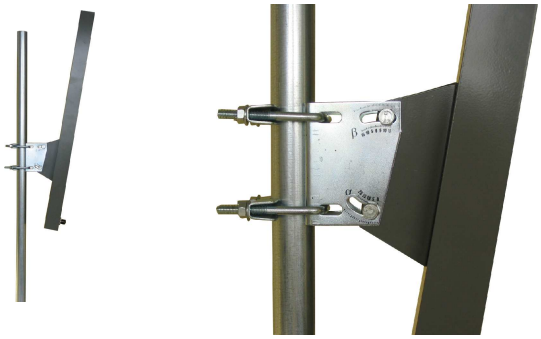
Antenna Altitude / Lean	***1°***	***2°***	***3°***	***4°***	***5°***	***6°***	***7°***	***8°***	***9°***	***10°***	***11°***	***12°***	***13°***	***14°***	***15°***
20 m	1146	573	382	286	229	190	163	142	126	113	103	94	87	80	75
50 m	2864	1432	954	715	572	476	407	356	316	284	257	235	217	201	187
75 m	4297	2148	1431	1073	857	714	611	534	474	425	386	353	325	301	280
100 m	5729	2864	1908	1430	1143	951	814	712	631	567	514	470	433	401	373

Examples of setting the β graduation:

5 degrees down:

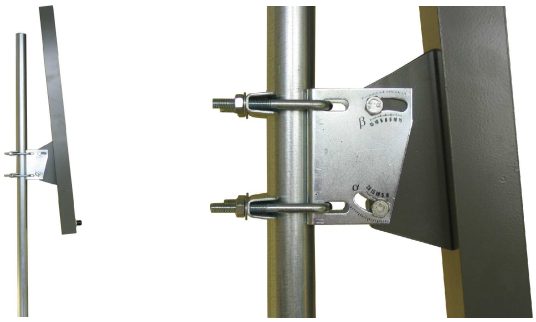


10 degrees down:

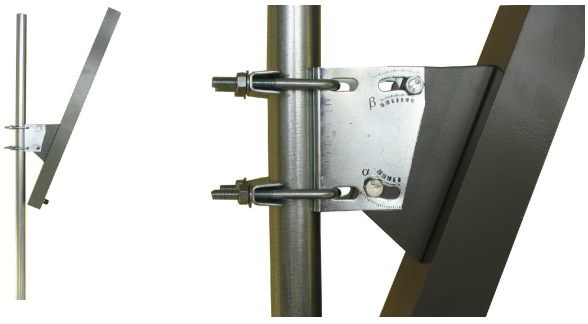


5 degrees up:

10 deegrees up:

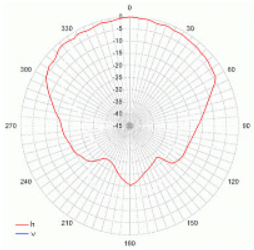


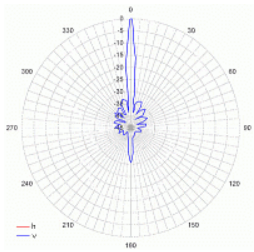
Example of setting the β graduation and the α auxiliary graduation (to bend the antenna even more):



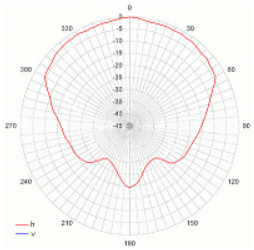
BESTPARTNER 2.4 GHz SECTOR ANTENNAS

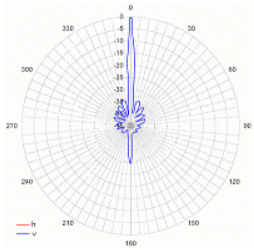
Model	Gain	V beam width	H beam width	VSWR	Polarization	Dimensions
Vector (BP-24VR-19)	19 dBi	4 °	120 °	1.2	H	920 / 100 / 50 mm



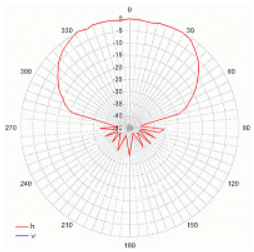


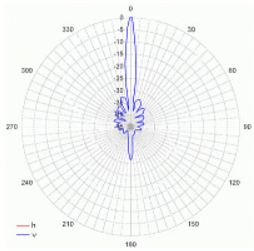
Vector XP (BP-24VR-22)	22 dBi	3 °	120 °	1.2	H	1450 / 100 / 50 mm





Vector V-PRO (BP-24VR-18)	18 dBi	6 °	90 °	1.4	V	620 / 120 / 60 mm





BESTPARTNER 5.x GHz SECTOR ANTENNAS

Model	Gain	V beam width	H beam width	VSWR	Polarization	Dimensions
Vector (BP-50VR-18)	18 dBi	5 °	120 °	1.5	H	686 / 50 / 20 mm