



RADIO FREQUENCY INDUSTRIES (PTY.) LTD.

"Simply The Best"

CK No : 2005/006095/07

Phone : +27(0) 11 869 9285

VAT No : 4470219918

Fax : +27(0) 86 509 2874

rf-sales@rfind.co.za

Cell : +27(0) 82 765 3007

24 Hendrik Potgieter Street,
Corner 5th Avenue
ALBERTON NORTH, 1450

P.O. Box 1500
ALBERTON
1450

UNIVERSAL WALL MOUNT STAND-OFF BRACKETS - STANDARD

The RFi range of universal mount stand-off brackets provide a flexible but very strong method of mounting antenna support poles to buildings and even radio masts. The Universal bracket can be mounted in various combinations depending on the specific requirement and size of the antenna system. When designing this bracket, we took into consideration ease of use, one bracket does all approach, packaging weight and size for shipping and transport purposes, as well as durability and the life span of the product.

The idea is that the customer can now use one size bracket to accommodate almost any installation requirement. The bracket is designed in such a way that with only one size of bracket the antenna pole can be mounted to stand away from the wall from 165mm to 565mm in 90mm steps. This bracket can even be used on a radio mast to offset the antenna system away from the side of the mast. With this flexibility the installer can keep a few brackets in stock and can install antenna support poles onto radio masts or buildings with any size of overhang of the roof. For installations where more than 565mm is required, a large version of the same type of bracket can be used to go to a maximum of 1 meter stand off from the wall or radio mast.

The universal brackets can be used in 2 or 3 way configurations to suit the requirement or even in 2 by 2 way to give a 4 way anchor, or even in single brackets to avoid movement at the top of the pole.

CONTENTS OF EACH BRACKET KIT:

- 1 X UNIVERSAL BRACKET – STANDARD
- 1 X 90mm "V" BOLT WITH NUTS & WASHERS
- 3 X RAW BOLTS



Typical 2 Way Installation

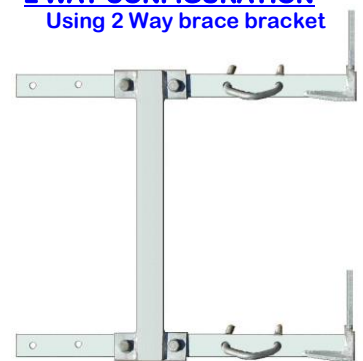
3 WAY CONFIGURATION

Using 3 Way brace bracket



2 WAY CONFIGURATION

Using 2 Way brace bracket



SPECIFICATION

| | | |
|------------------------------|---|-------------------------------|
| LENGTH | : | 610mm |
| HEIGHT | : | 150mm |
| WIDTH | : | 150mm |
| WEIGHT | : | 1,5 Kg. |
| OFFSET FROM WALL | : | 165, 255, 345, 435 & 525mm |
| MAXIMUM WEIGHT LOAD CAPACITY | : | 2 Way @ 50Kg. & 3 Way @ 80Kg. |

Suggested Configurations:

| | | |
|------------------------------|---|-----------|
| VERTICAL ANTENNAS | : | 2 WAY |
| 2 STACK DIPOLE ARRAYS | : | 2 WAY |
| 4 STACK DIPOLE ARRAYS | : | 3 WAY |
| 8 STACK DIPOLE ARRAYS | : | 2 X 2 WAY |
| IN HIGH WIND AREAS (2 STACK) | : | 3 WAY |
| IN HIGH WIND AREAS (4 STACK) | : | 2 X 2 WAY |

Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.
Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.



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UNIVERSAL WALL MOUNT STAND-OFF BRACKET INSTALLATION INSTRUCTION

Depending on the weight and size of the antenna system (see specification sheet on reverse side) and the normal wind conditions for the specific area where the bracket is to be used will determine which combination of the bracket sets must be used.

For normal low wind conditions and for vertical antennas, single dipoles as well as for two dipole array antennas, two of the universal brackets with a two way brace will be sufficient to anchor the antenna system properly.

Our suggestion is to use three universal brackets with a three way brace for larger antennas such as four stack dipole arrays and in areas which is notorious for high winds.

In extreme cases such as on high buildings and on high mountain peaks that is known for harsh conditions, combinations of two way sets and single brackets can be used to anchor the antenna system.

EACH STAND-OFF BRACKET KIT CONTAINS:

- 1 X UNIVERSAL BRACKET
- 1 X "V" BOLT WITH NUTS & WASHERS
- 3 X M8 RAW BOLTS

Normal tools such as step ladders, scaffolding and safety harnesses, is not specifically mentioned as all site requirements differs.

AT ALL TIMES KEEP SAFETY IN MIND!!!!

TOOLS REQUIRED FOR INSTALLATION:

- Drilling Machine.
- M5 to M8 Masonry Drill Bit (for pilot hole).
- M15 Masonry Drill Bit.
- Spirit Level
- M16 & M19 Flat/Ring Combination Spanners.
- Insulation or Masking Tape.
- Tape Measure.

This is a step by step suggested installation instruction:

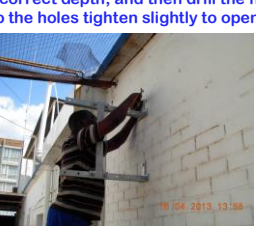
STEP ONE: Pre assemble the bracket set loosely, measure distance to ensure the bracket is 100% parallel and then tighten the bolts supplied with the brace.



STEP TWO: Use spirit level to ensure the bracket is 100% vertical and mark the wall.



STEP FOUR: Put Insulation or masking tape marker on the M15 drill bit to correct depth, and then drill the holes out to required size and depth, to the tape marker.



STEP SIX: Fit Antenna Pole.



Note:

An extra "V" bolt can be ordered separately, and fitted on the back end of the bracket, then the stand-off bracket can be used on a radio mast to anchor antenna systems offset to the side of the radio mast

Suggested Configurations:

| | |
|------------------------------|--------------------------|
| VERTICAL ANTENNAS | : 2 WAY |
| 2 STACK DIPOLE ARRAYS | : 2 WAY |
| 4 STACK DIPOLE ARRAYS | : 3 WAY |
| 8 STACK DIPOLE ARRAYS | : 2 X 2 WAY & 2 X SINGLE |
| IN HIGH WIND AREAS (2 STACK) | : 3 WAY |
| IN HIGH WIND AREAS (4 STACK) | : 2 X 2 WAY |

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