

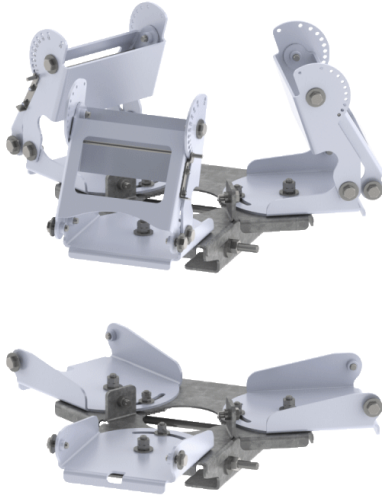


# Antennas

DATA SHEET

## Mounting Bracket Kit

MBK-31



- This two part antenna mounting bracket is designed for use with CCI's QPA65R-H3A antenna to mount three antennas to a single pole and where mechanical tilt is required
- Bracket holds three antennas with a 120 degree pitch
- Bracket kit allows  $\pm 30^\circ$  of horizontal antenna adjustment
- Bracket kit has  $0^\circ - 20^\circ$  of mechanical downtilt, at  $2^\circ$  increments
- Bracket kit utilizes a locking pin to ensure proper downtilt setting
- Bracket kit can be used for downtilted or uptilted installations
- Rugged and weather resistant design
- Adjustable clamps fit pole diameter from 3.5 – 5.5 in (89 – 140 mm)

### Overview

This Pole Mounting Bracket is designed for use with CCI's QPA65R-H3A antenna. The MBK-31 bracket kit delivers a very stable mounting for three antennas and offers 0 to 20 degrees of down tilt. The rugged design supports CCI's antennas while resisting the elements. The clamps adjust to fit pole diameters ranging from 3.5 – 5.5 inches (89 – 140 mm). CCI antenna brackets are designed and produced to ISO 9001 certification standards for reliability and quality in our state-of-the-art manufacturing facilities.

### Applications

- Ideal for pole mounting in urban settings



# Antennas

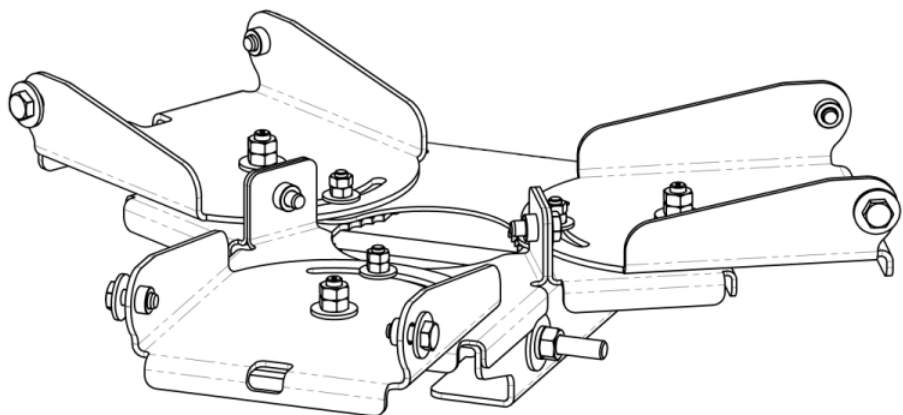
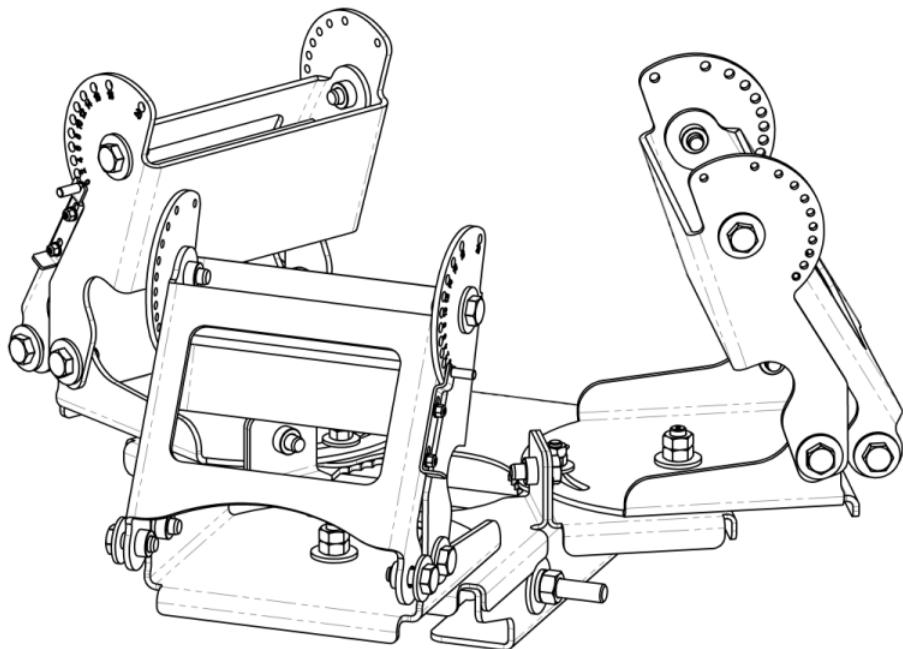
## SPECIFICATIONS

### Mounting Bracket Kit

MBK-31

#### Mechanical

<b>Weight</b>	52.7 lbs (23.9 kg)
<b>Hinge Pitch</b>	34.25 in 870 mm)
<b>Mounting Pole Dimension</b>	3.5 to 5.5 in (89 to 140 mm)
<b>Fastener Size</b>	M10 HHC Screw, DIN 933, ISO 4017 M12 Hex Nut, DIN 934, ISO 4032
<b>Installation Torque</b>	M10-18 ft·lbs (25 Nm), M12-40 ft·lbs (54 Nm)
<b>Mechanical Tilt</b>	0° to 20°



MBK-31



# Antennas

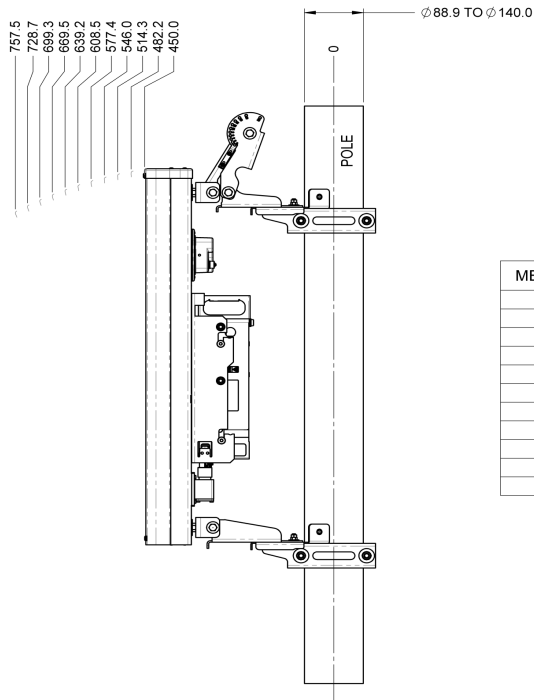
## SPECIFICATIONS

### Mounting Bracket Kit

MBK-31

#### Mechanical

QPA65R-H3A ANTENNA DISTANCE FROM POLE BASED ON THE MECHANICAL TILT SETTING



MECHANICAL TILT (°)	DISTANCE FROM POLE $\varnothing$
0	450.0
2	482.2
4	514.3
6	546.0
8	577.4
10	608.5
12	639.2
14	669.5
16	699.3
18	728.7
20	757.5

NOTE: ALL MEASUREMENTS BASED ON MM (MILLIMETER)

Mechanical Tilt Setting Chart For QPA65R-H3A



# Antennas

ORDERING

Mounting Bracket Kit

MBK-31

Parts & Accessories

Model number MBK-31

Overall Weight 52.7 lbs (23.9 kg)