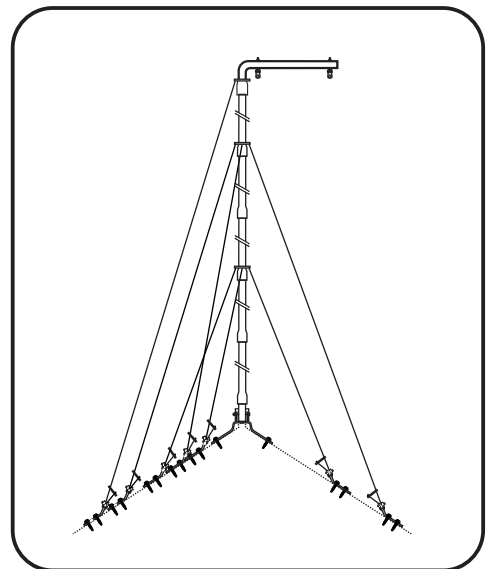
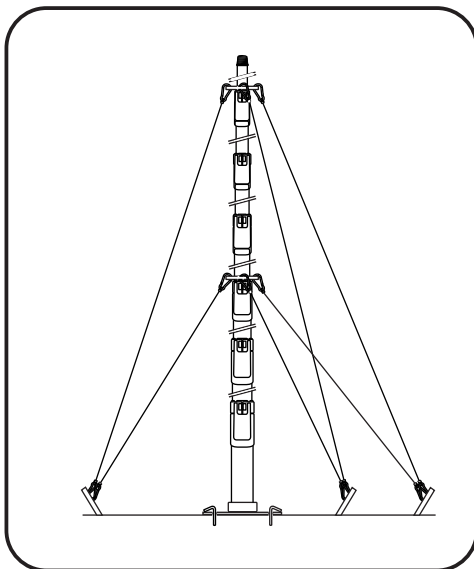
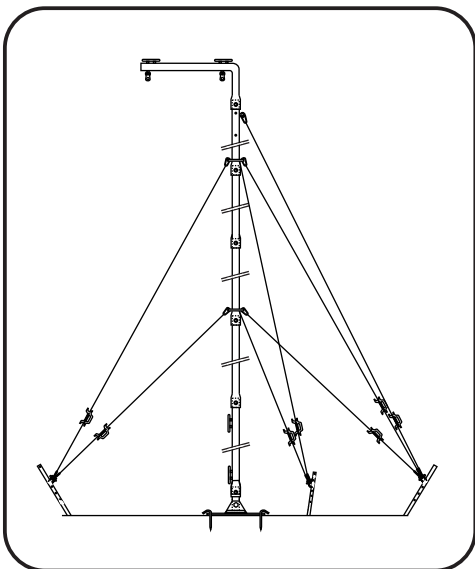
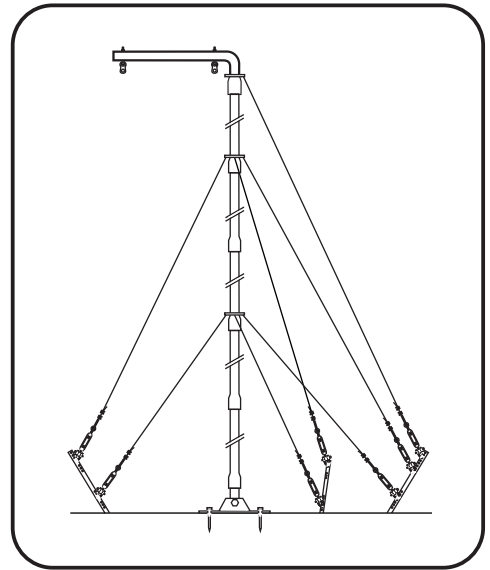
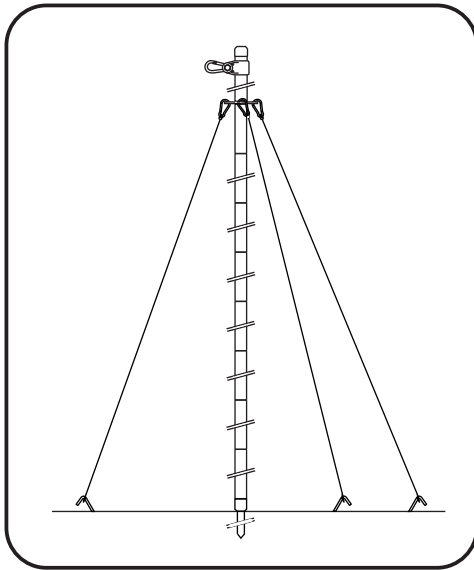
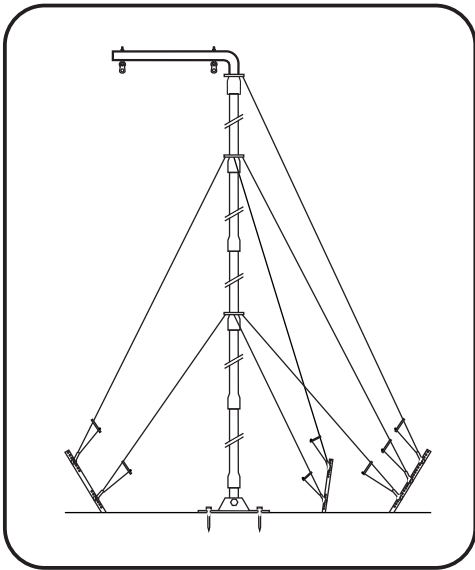


Mast Guide

Base Station and Rapid Deployment Masts



10 Metre Mast - (P/N BC90205)

With Nylon Guys for Ground Mounting

Compatible Barrett antennas

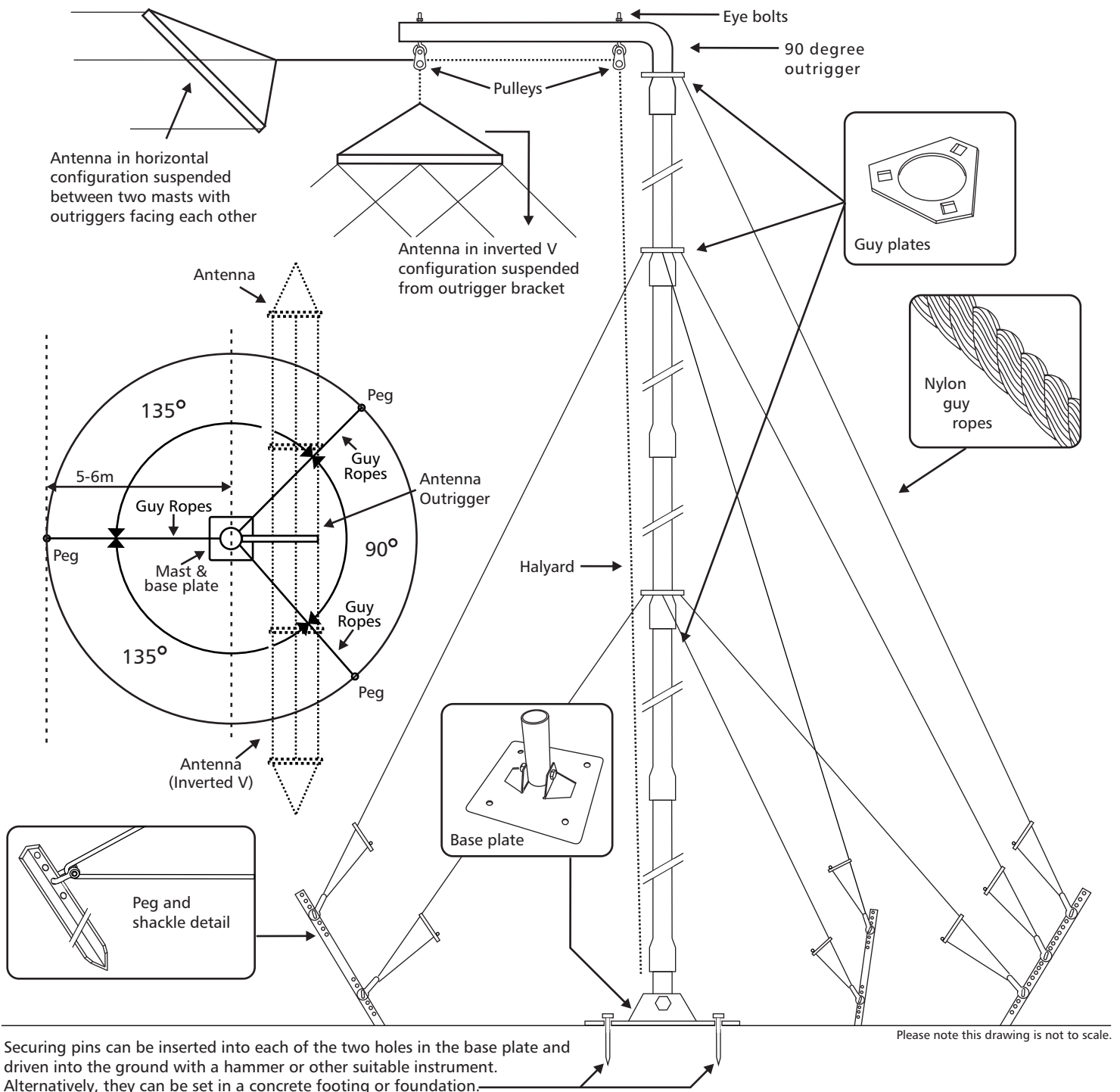
912 HF Single-wire broadband dipole	150 W	P/N: BC91201
912 HF Multi-wire broadband dipole	150 W	P/N: BC91200
912 HF Multi-wire broadband dipole	500 W	P/N: BC91202

Specifications

Packed dimensions:	2000 mm x 200 mm x 350 mm
Packed weight:	27 kg
Wind rating:	120 kph

This air transportable mast consists of 5 x 2m aluminium sections with a 0.85m antenna support outrigger on the top section. There are 2 sets of 3 guy ropes and one back-stay guy rope to counter the weight of the antenna. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below. Peg spacing should be min 5 metres/max 6 metres from mast and at the angles shown below. Once the pegs and base plate have been positioned and secured, fit the guy ropes, lift the mast into position and tighten the guy ropes.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



10 Metre Mast - (P/N BC90205FR)

With Nylon Guys for Flat Roof Mounting

Compatible Barrett antennas

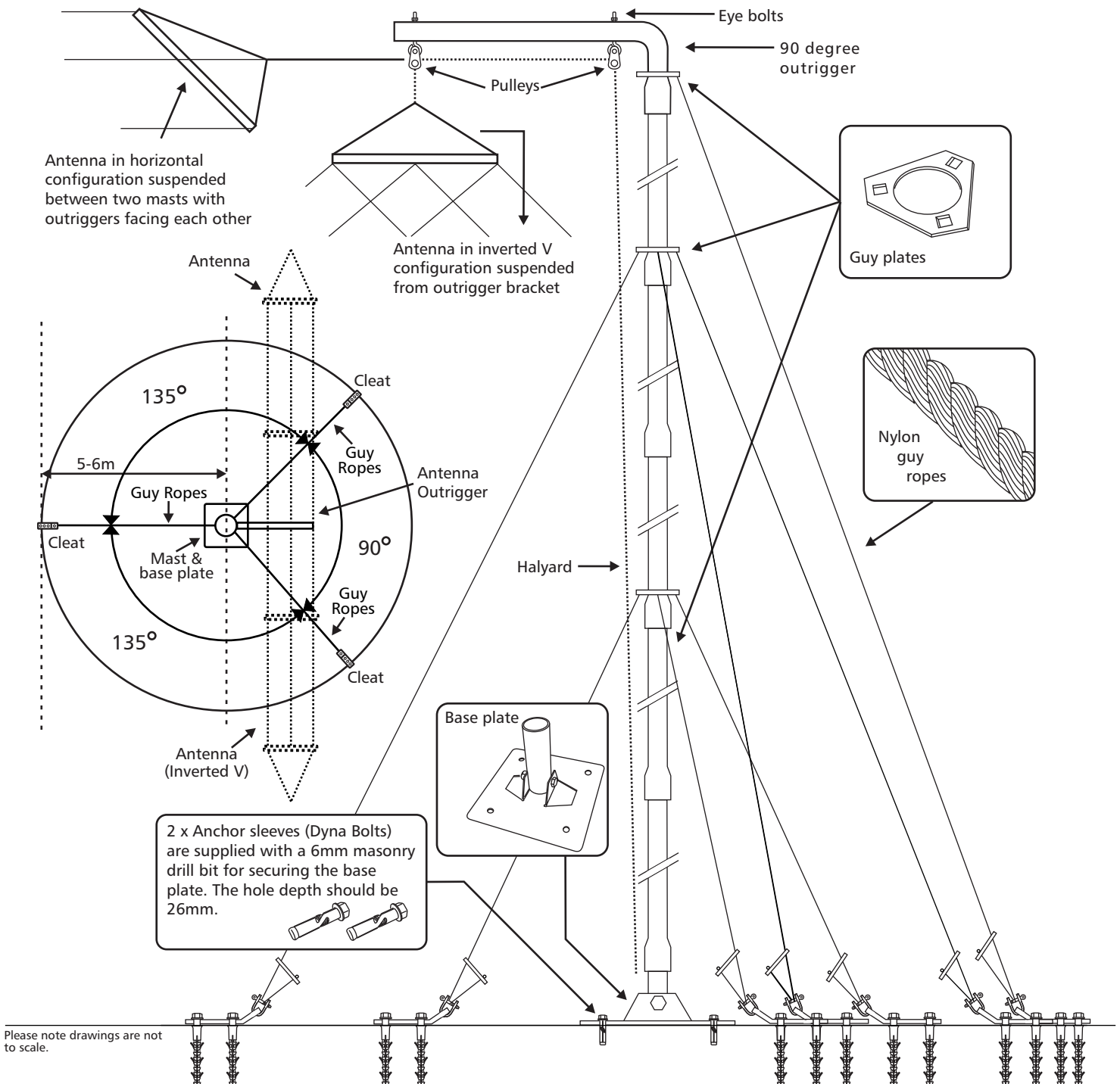
912 HF Single-wire broadband dipole	150 W	P/N: BC91201
912 HF Multi-wire broadband dipole	150 W	P/N: BC91200
912 HF Multi-wire broadband dipole	500 W	P/N: BC91202

Specifications

Packed dimensions:	2000 mm x 200 mm x 350 mm
Packed weight:	27 kg
Wind rating:	120 kph

This air transportable mast consists of 5 x 2m aluminium sections with a 0.85m antenna support outrigger on the top section. There are 2 sets of 3 guy ropes and one back-stay guy rope to counter the weight of the antenna. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below. Cleat spacing should be min 5 metres/max 6 metres from mast and at the angles shown below. Once the cleats and base plate have been positioned and secured, fit the guy ropes, lift the mast into position and tighten the guy ropes.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



Please note drawings are not to scale.

10 Metre Mast - (P/N BC90205PR)

With Nylon Guys for Pitched Roof Mounting

Compatible Barrett antennas

912 HF Single-wire broadband dipole	150 W	P/N: BC91201
912 HF Multi-wire broadband dipole	150 W	P/N: BC91200
912 HF Multi-wire broadband dipole	500 W	P/N: BC91202

Specifications

Packed dimensions:	2000 mm x 200 mm x 350 mm
Packed weight:	27 kg
Wind rating:	120 kph

This air transportable mast consists of 5 x 2m aluminium sections with a 0.85m antenna support outrigger on the top section. There are 2 sets of 3 guy ropes and one back-stay guy rope to counter the weight of the antenna. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown opposite. Cleat spacing should be min 5 metres/max 6 metres from mast and at the angles shown opposite. Once the cleats and base plate have been positioned and secured, fit the guy ropes, lift the mast into position and tighten the guy ropes.

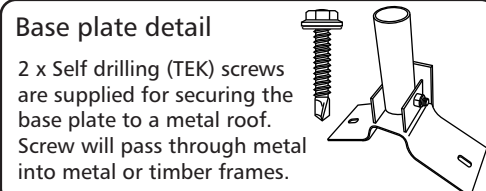
Please note that the supplied hardware and fixings are suitable for most standard installations. However some end user sourced hardware and fixings may be required for specific locations.

Cleat detail

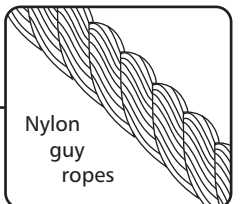
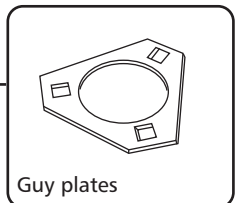
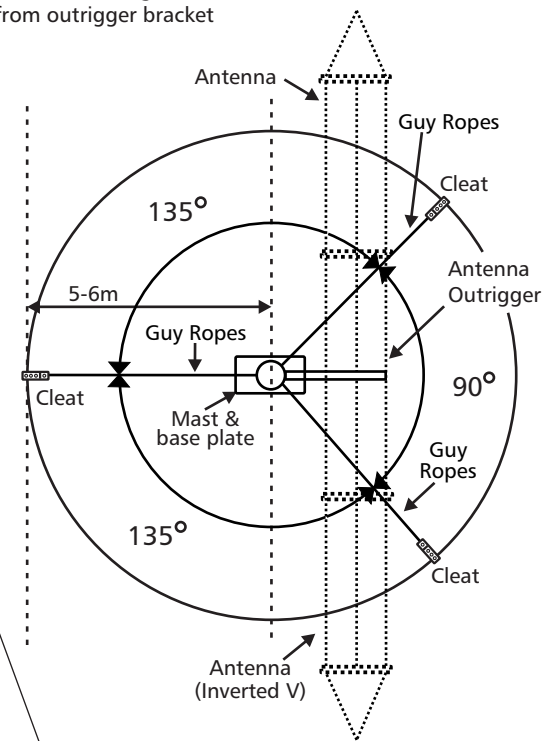
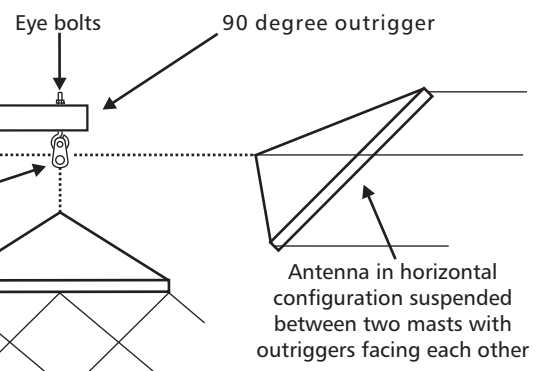


12 x Self drilling (TEK) screws are supplied for securing cleats to a metal roof. Screw will pass through metal into roof timbers or metal frames.

Base plate detail



2 x Self drilling (TEK) screws are supplied for securing the base plate to a metal roof. Screw will pass through metal into metal or timber frames.



Please note drawings are not to scale.

10 Metre Mast - (P/N BC90206)

With Stainless Steel Guys for Ground Mounting

Compatible Barrett antennas

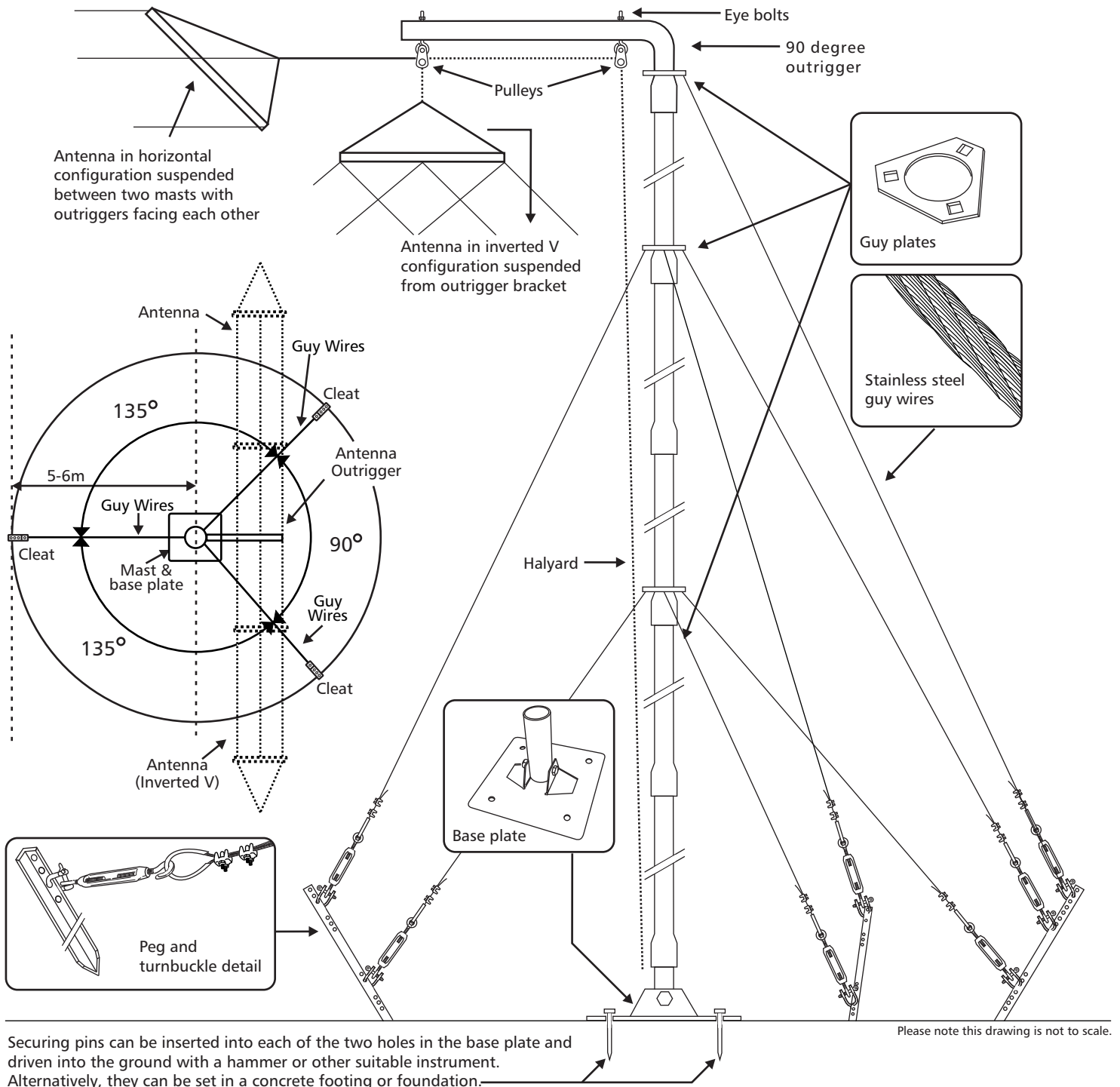
912 HF Single-wire broadband dipole	150 W	P/N: BC91201
912 HF Multi-wire broadband dipole	150 W	P/N: BC91200
912 HF Multi-wire broadband dipole	500 W	P/N: BC91202

Specifications

Packed dimensions:	2000 mm x 200 mm x 350 mm
Packed weight:	32 kg
Wind rating:	120 kph

This air transportable mast consists of 5 x 2m aluminium sections with a 0.85m antenna support outrigger on the top section. There are 2 sets of 3 stainless steel guy wires and one back-stay guy wire to counter the weight of the antenna. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below. Peg spacing should be min 5 metres/max 6 metres from mast and at the angles shown below. Once the pegs and base plate have been positioned and secured, fit the guy wires, lift the mast into position and tighten the guy wires.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



Please note this drawing is not to scale.

Securing pins can be inserted into each of the two holes in the base plate and driven into the ground with a hammer or other suitable instrument. Alternatively, they can be set in a concrete footing or foundation.

10 Metre Mast - (P/N BC90206FR)

With Stainless Steel Guys for Flat Roof Mounting

Compatible Barrett antennas

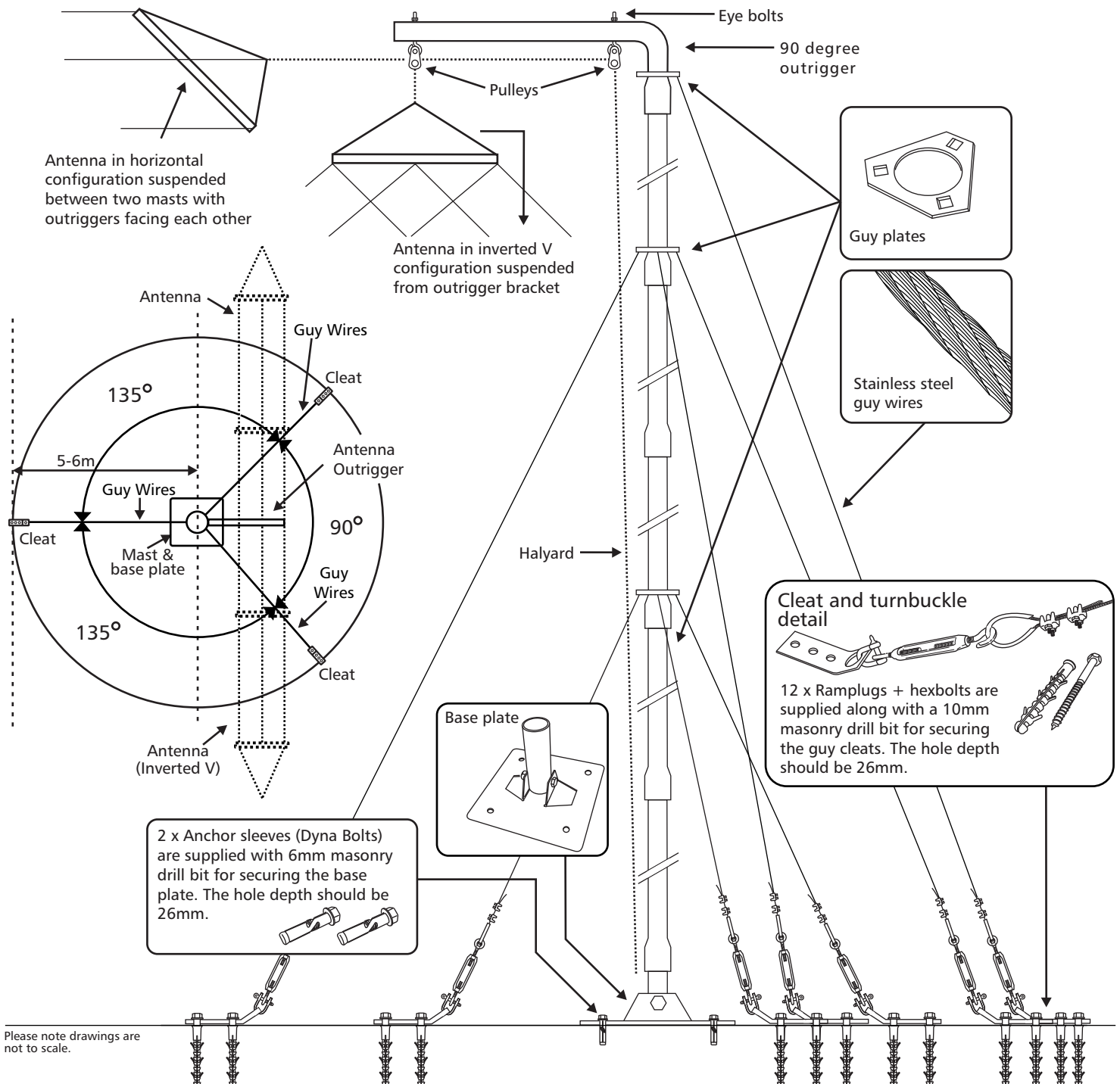
912 HF Single-wire broadband dipole	150 W	P/N: BC91201
912 HF Multi-wire broadband dipole	150 W	P/N: BC91200
912 HF Multi-wire broadband dipole	500 W	P/N: BC91201

Specifications

Packed dimensions:	2000 mm x 200 mm x 350 mm
Packed weight:	32 kg
Wind rating:	120 kph

This air transportable mast consists of 5 x 2 metre aluminium sections with a 0.85m antenna support outrigger on the top section. There are 2 sets of 3 stainless steel guy wires and one back-stay guy wire to counter the weight of the antenna. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below. Cleat spacing should be min 5 metres/max 6 metres from mast and at the angles shown below. Once the cleat and base plate have been positioned and secured, fit the guy wires, lift the mast into position and tighten the guy wires.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



10 Metre Mast - (P/N BC90206PR)

With Stainless Steel Guys for Pitched Roof Mounting

Compatible Barrett antennas

912 HF Single-wire broadband dipole	150 W	P/N: BC91201
912 HF Multi-wire broadband dipole	150 W	P/N: BC91200
912 HF Multi-wire broadband dipole	500 W	P/N: BC91201

Specifications

Packed dimensions:	2000 mm x 200 mm x 350 mm
Packed weight:	32 kg
Wind rating:	120 kph

This air transportable mast consists of 5 x 2 metre aluminium sections with a 0.85m antenna support outrigger on the top section. There are 2 sets of 3 stainless steel guy wires and one back-stay guy wire to counter the weight of the antenna. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below. Cleat spacing should be min 5 metres/max 6 metres from mast and at the angles shown below. Once the cleat and base plate have been positioned and secured, fit the guy wires, lift the mast into position and tighten the guy wires.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.

Cleat detail



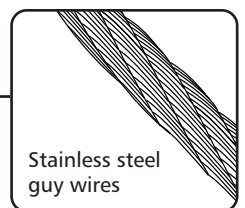
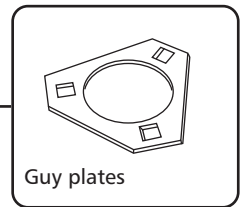
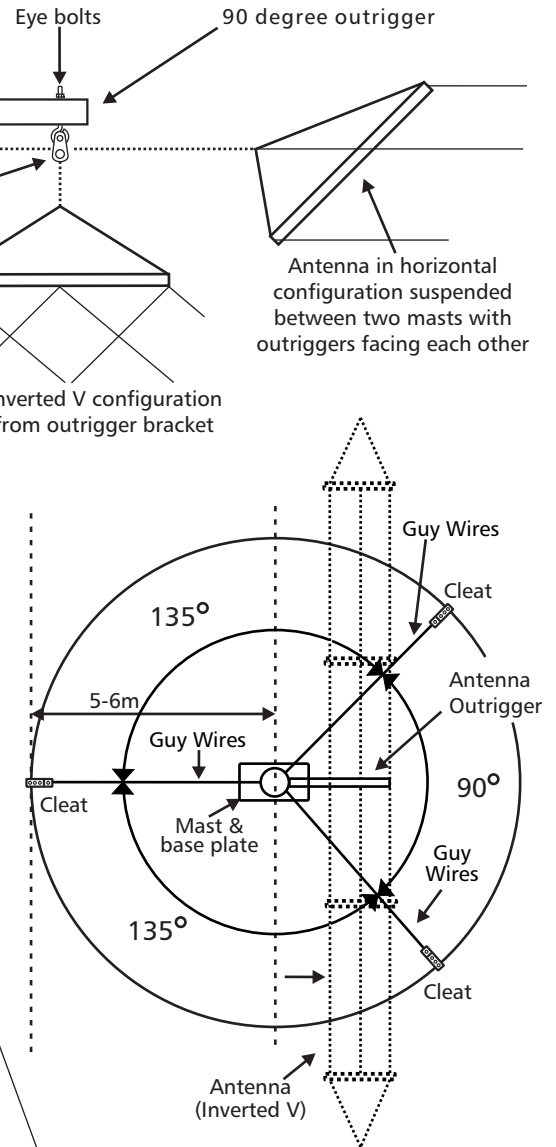
12 x Self drilling (TEK) screws are supplied for securing cleats to a metal roof. Screw will pass through metal into metal or timber frames.

Base plate detail



2 x Self drilling (TEK) screws are supplied for securing the base plate to a metal roof. Screw will pass through metal into metal or timber frames.

Please note drawings are not to scale.



6 Metre Mast - (P/N BC90209)

With Nylon Guys for Ground Mounting

Compatible Barrett antennas

4017 HF Automatic tuning horizontal dipole - 150 W P/N: BC401700

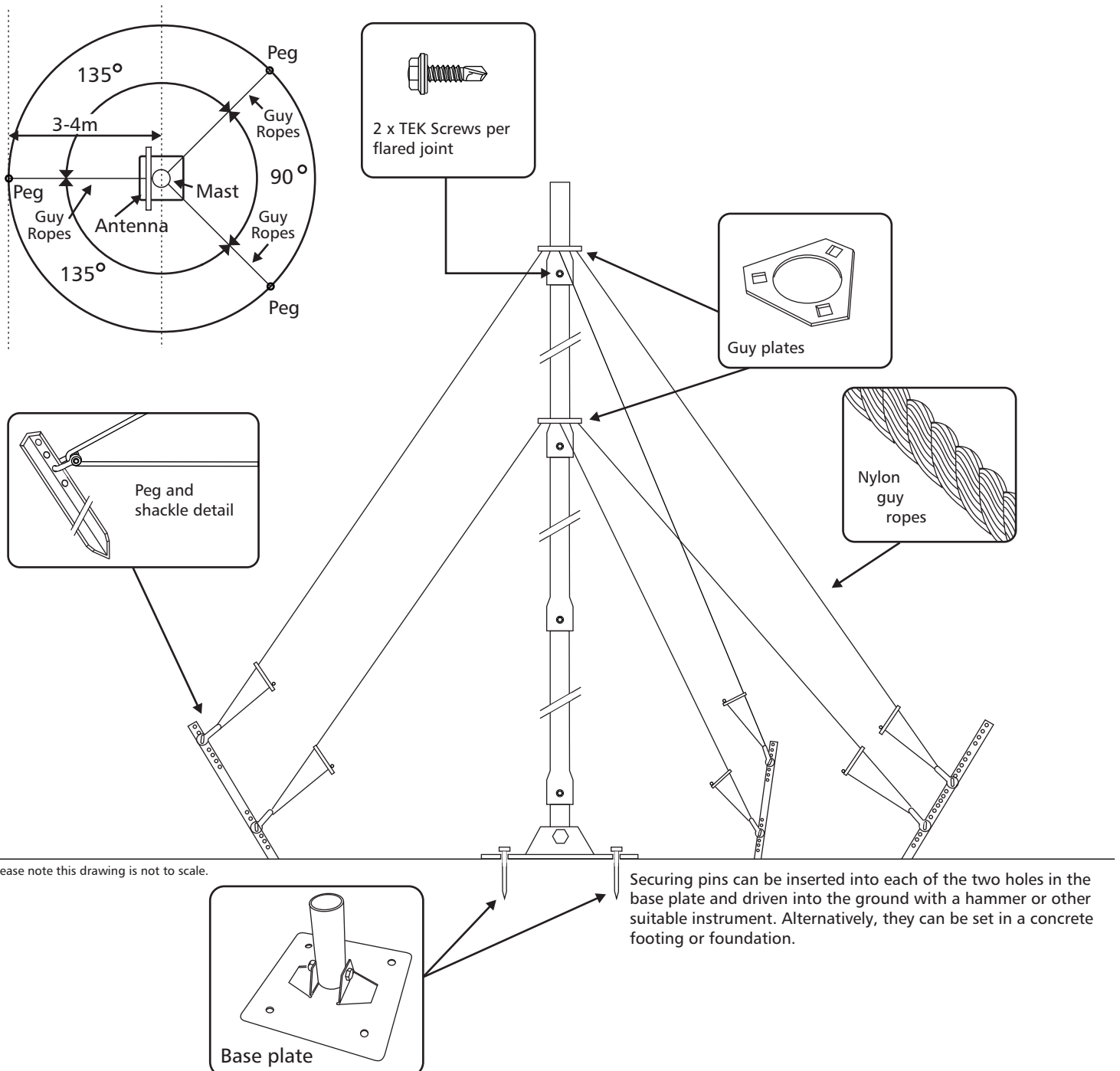
Specifications

Packed dimensions: 2000 mm x 200 mm x 200 mm
 Packed weight: 20 kg
 Wind rating: 120 kph

This air transportable mast consists of 3 x 2m aluminium sections with a 0.5m, 50mm diameter, vertical top section. There are 2 sets of 3 guy ropes. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below with TEK screws at each joint to prevent movement.

Peg spacing should be min 3 metres/max 4 metres from mast and at the angles shown below. Once the pegs and base plate have been positioned and secured, fit the guy ropes, lift the mast into position and tighten the guy ropes.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



6 Metre Mast - (P/N BC90209FR)

With Nylon Guys for Flat Roof Mounting

Compatible Barrett antennas

4017 HF Automatic tuning horizontal dipole - 150 W P/N: BC401700

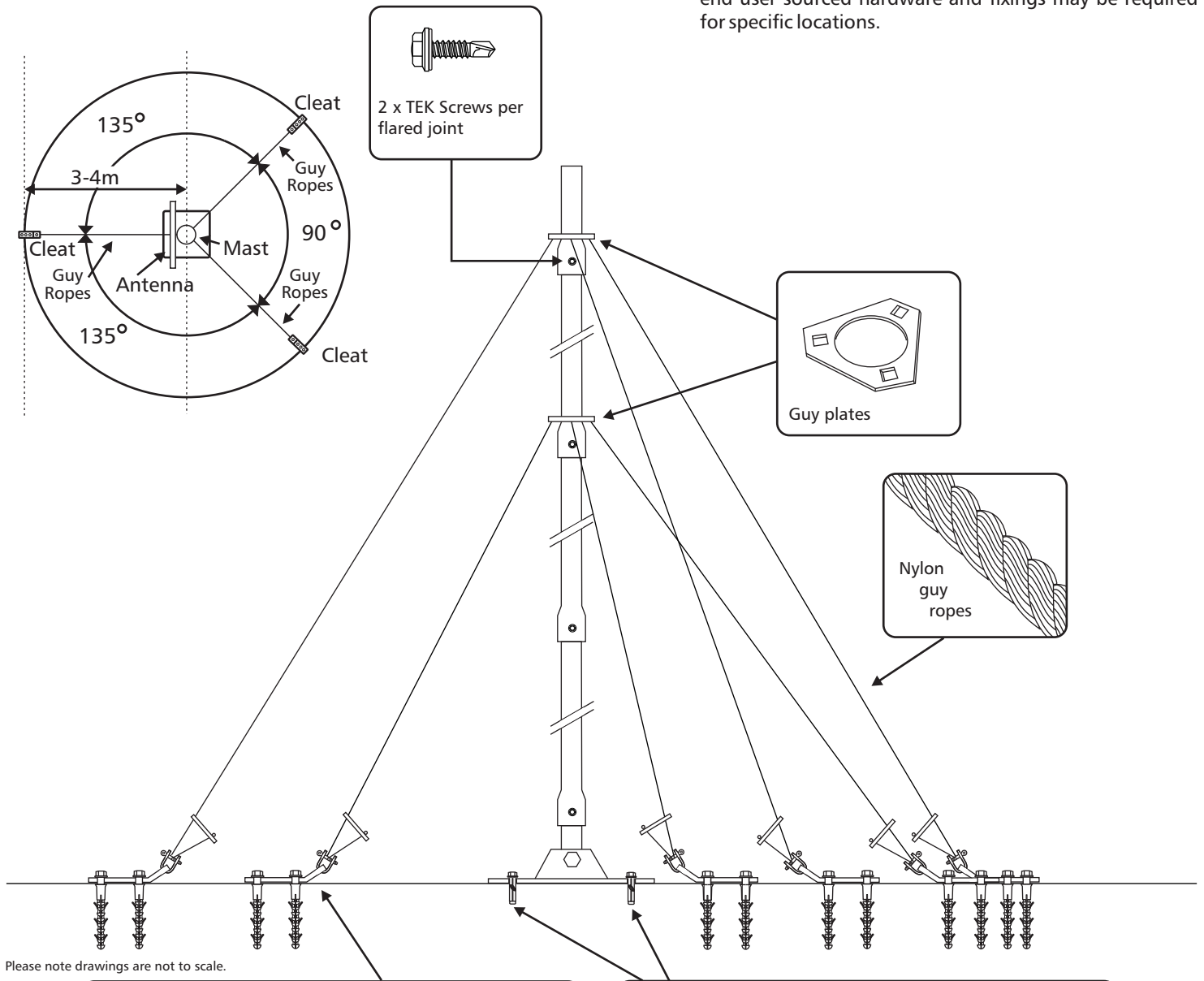
Specifications

Packed dimensions: 2000 mm x 200 mm x 200 mm
 Packed weight: 24 kg
 Wind rating: 120 kph

This air transportable mast consists of 3 x 2m aluminium sections with a 0.5m, 50mm diameter, vertical top section. There are 2 sets of 3 guy ropes. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below with TEK screws at each joint to prevent movement.

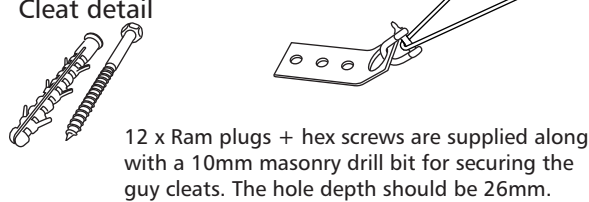
Cleat spacing should be min 3 metres/max 4 metres from mast and at the angles shown below. Once the cleats and base plate have been positioned and secured, fit the guy ropes, lift the mast into position and tighten the guy ropes.

Please note that supplied hardware and fixings should be suitable for most standard installations. However some end user sourced hardware and fixings may be required for specific locations.



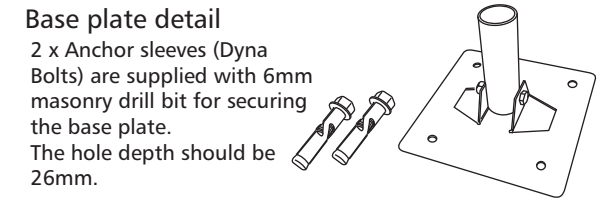
Please note drawings are not to scale.

Cleat detail



12 x Ram plugs + hex screws are supplied along with a 10mm masonry drill bit for securing the guy cleats. The hole depth should be 26mm.

Base plate detail



2 x Anchor sleeves (Dyna Bolts) are supplied with 6mm masonry drill bit for securing the base plate. The hole depth should be 26mm.

6 Metre Mast - (P/N BC90209PR)

With Nylon Guys for Pitched Roof Mounting

Compatible Barrett antennas

4017 HF Automatic tuning horizontal dipole - 150 W P/N: BC401700

Specifications

Packed dimensions: 2000 mm x 200 mm x 200 mm

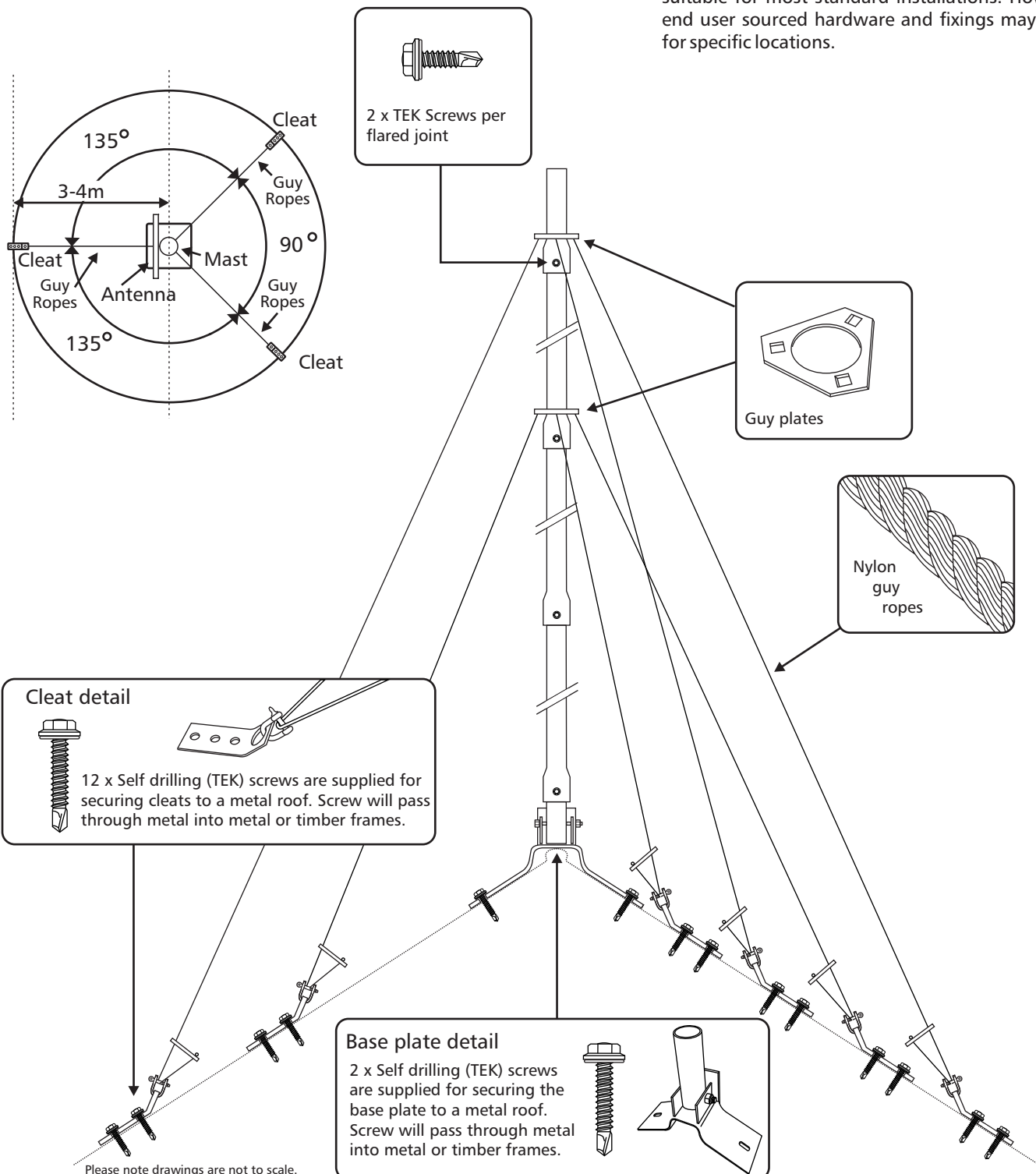
Packed weight: 24 kg

Wind Rating: 120 kph

This air transportable mast consists of 3 x 2m aluminium sections with a 0.5m, 50mm diameter, vertical top section. There are 2 sets of 3 rope guys. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below with TEK screws at each joint to prevent movement.

Cleat spacing should be min 3 metres/max 4 metres from mast and at the angles shown below. Once the cleats and base plate have been positioned and secured, fit the guy ropes, lift the mast into position and tighten the guy ropes.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



6 Metre Mast - (P/N BC90208)

With Stainless Steel Guys for Ground Mounting

Compatible Barrett antennas

4017 Automatic tuning horizontal dipole - 150 W P/N: BC401700

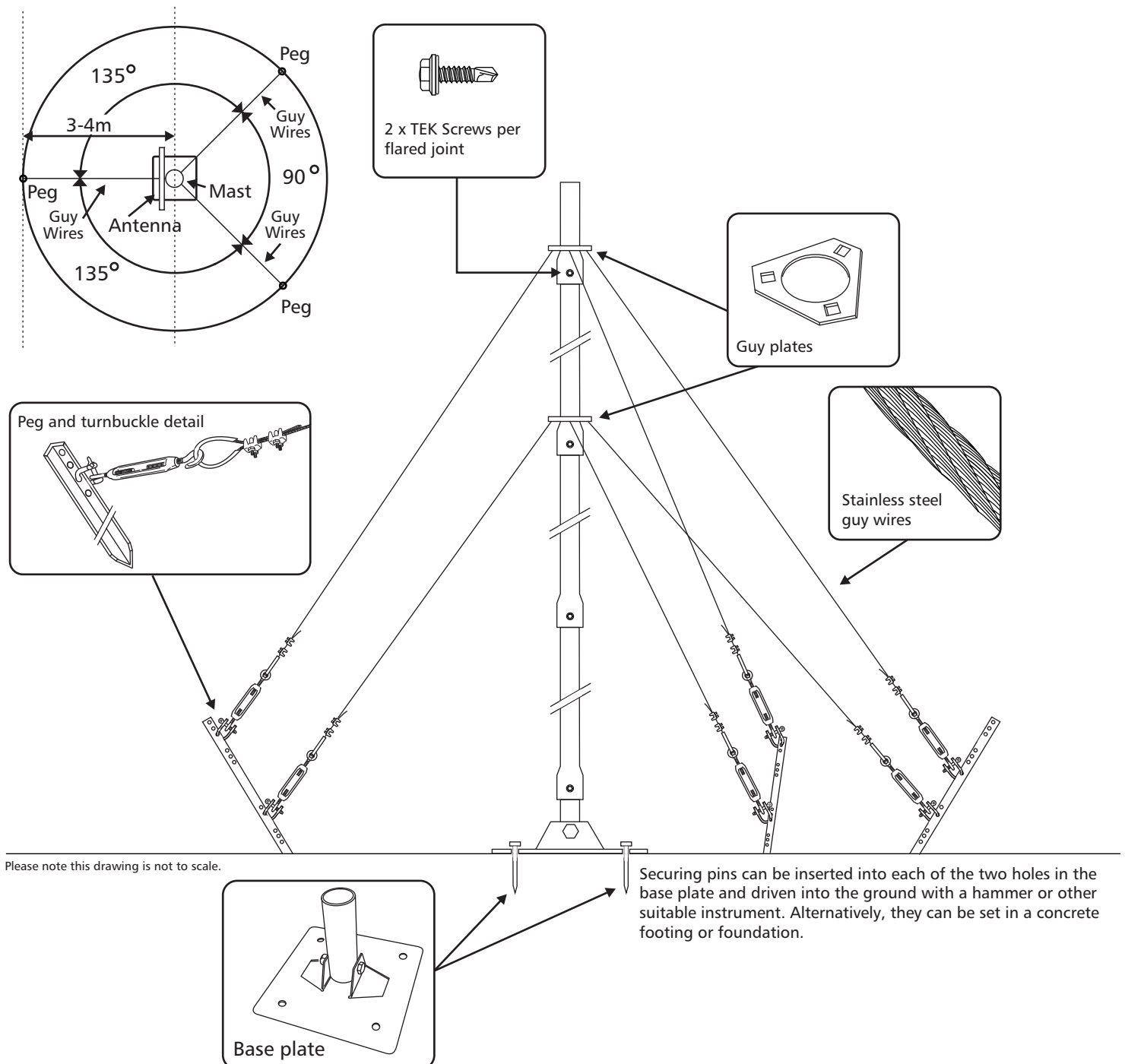
Specifications

Packed dimensions: 2000 mm x 200 mm x 200 mm
 Packed weight: 24 kg
 Wind rating: 120 kph

This air transportable mast consists of 3 x 2m aluminium sections with a 0.5m, 50mm diameter, vertical top section. There are 2 sets of 3 stainless steel guy wires. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below with TEK screws at each join to prevent movement.

Peg spacing should be min 3 metres/max 4 metres from mast and at the angles shown below. Once the pegs and base plate have been positioned and secured, fit the guy wires, lift the mast into position and tighten the guy wires.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



6 Metre Mast - (P/N BC90208FR)

With Stainless Steel Guys for Flat Roof Mounting

Compatible Barrett antennas

4017 HF Automatic tuning horizontal dipole - 150 W P/N: BC401700

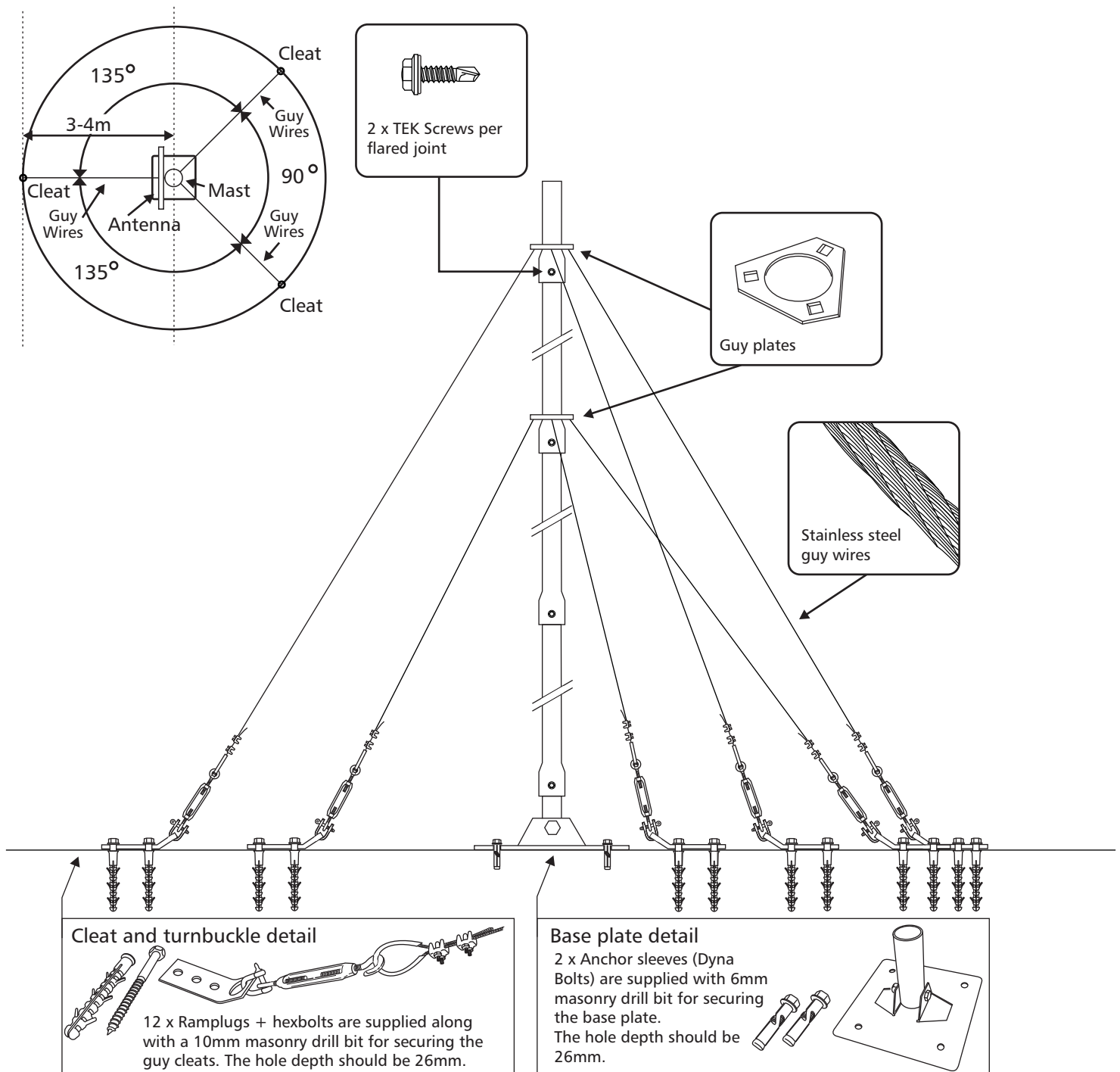
Specifications

Packed dimensions: 2000 mm x 200 mm x 200 mm
 Packed weight: 24 kg
 Wind rating: 120 kph

This air transportable mast consists of 3 x 2m aluminium sections with a 0.5m, 50mm diameter, vertical top section. There are 2 sets of 3 stainless steel guy wires. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below with TEK screws at each join to prevent movement.

Cleat spacing should be min 3 metres/max 4 metres from mast and at the angles shown below. Once the cleats and base plate have been positioned and secured, fit the guy wires, lift the mast into position and tighten the guy wires.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



Please note drawings are not to scale.

6 Metre Mast - (P/N BC90208PR)

With Stainless Steel Guys for Pitched Roof Mounting

Compatible Barrett antennas

4017 HF Automatic tuning horizontal dipole - 150 W P/N: BC401700

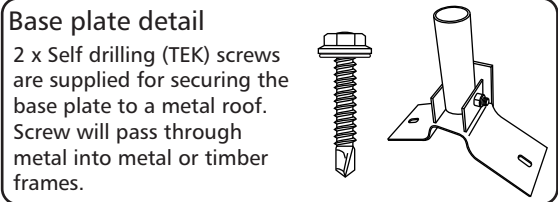
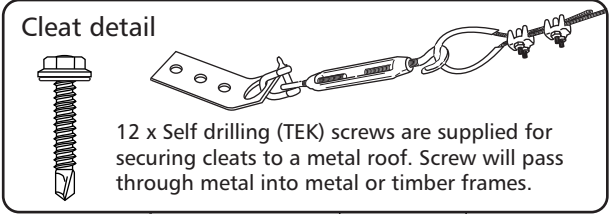
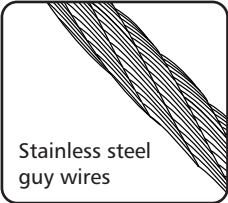
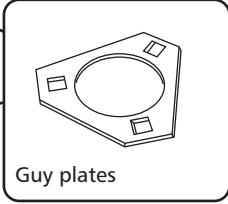
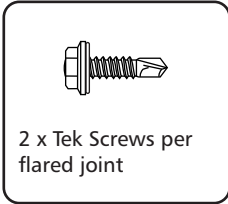
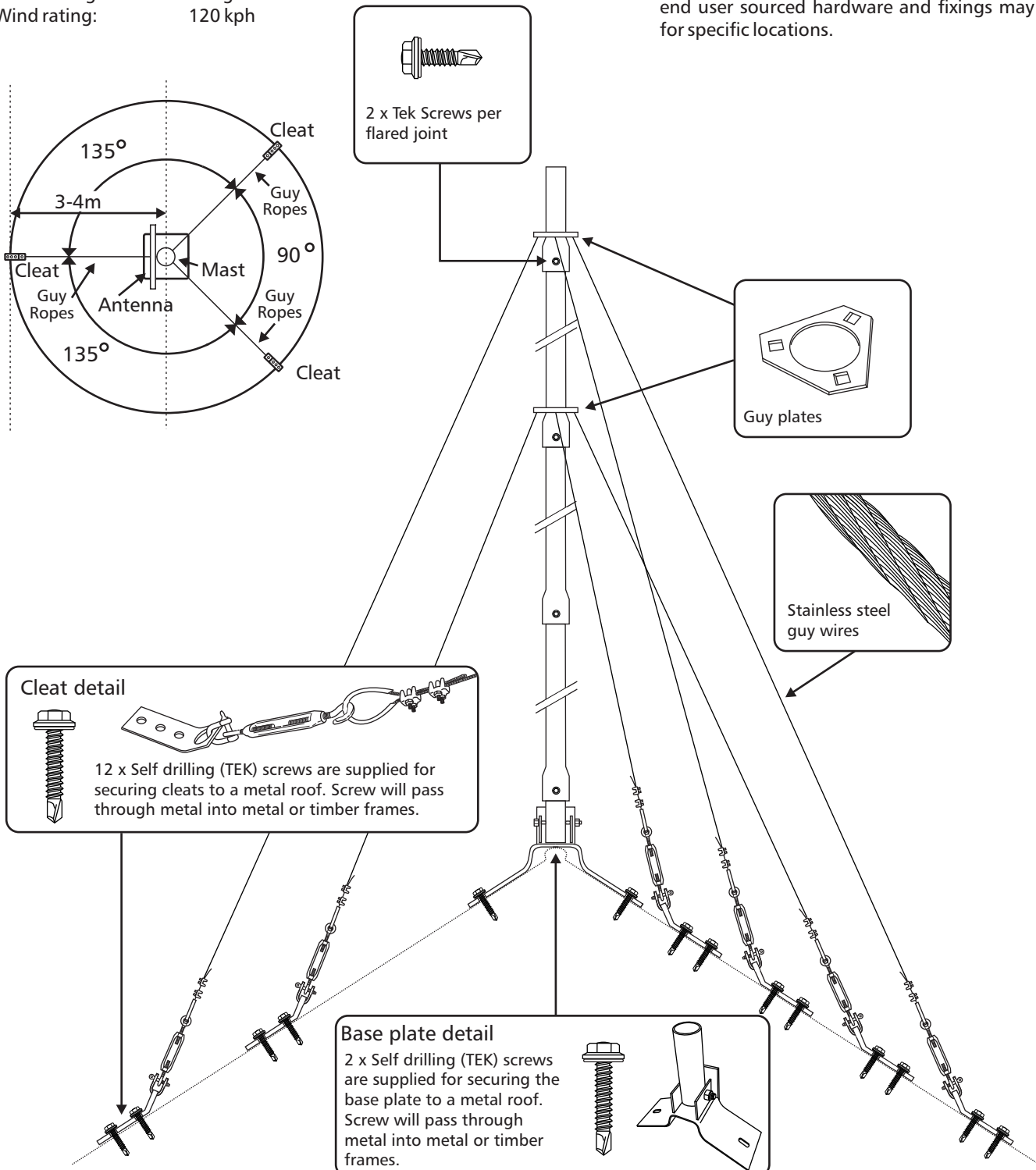
Specifications

Packed dimensions: 2000 mm x 200 mm x 200 mm
 Packed weight: 24 kg
 Wind rating: 120 kph

This air transportable mast consists of 3 x 2m aluminium sections with a 0.5m 50mm diameter vertical top section. There are 2 sets of 3 stainless steel wire guys. Erection of the mast requires a minimum of two people. All sections are to be assembled as shown below with TEK screws at each join to prevent movement.

Cleat spacing should be min 3 metres/max 4 metres from mast and at the angles shown below. Once the cleats and base plate have been positioned and secured, fit the guy wires, lift the mast into position and tighten the guy wires.

Please note that the supplied hardware and fixings are suitable for most standard installations. However, some end user sourced hardware and fixings may be required for specific locations.



Please note drawings are not to scale.

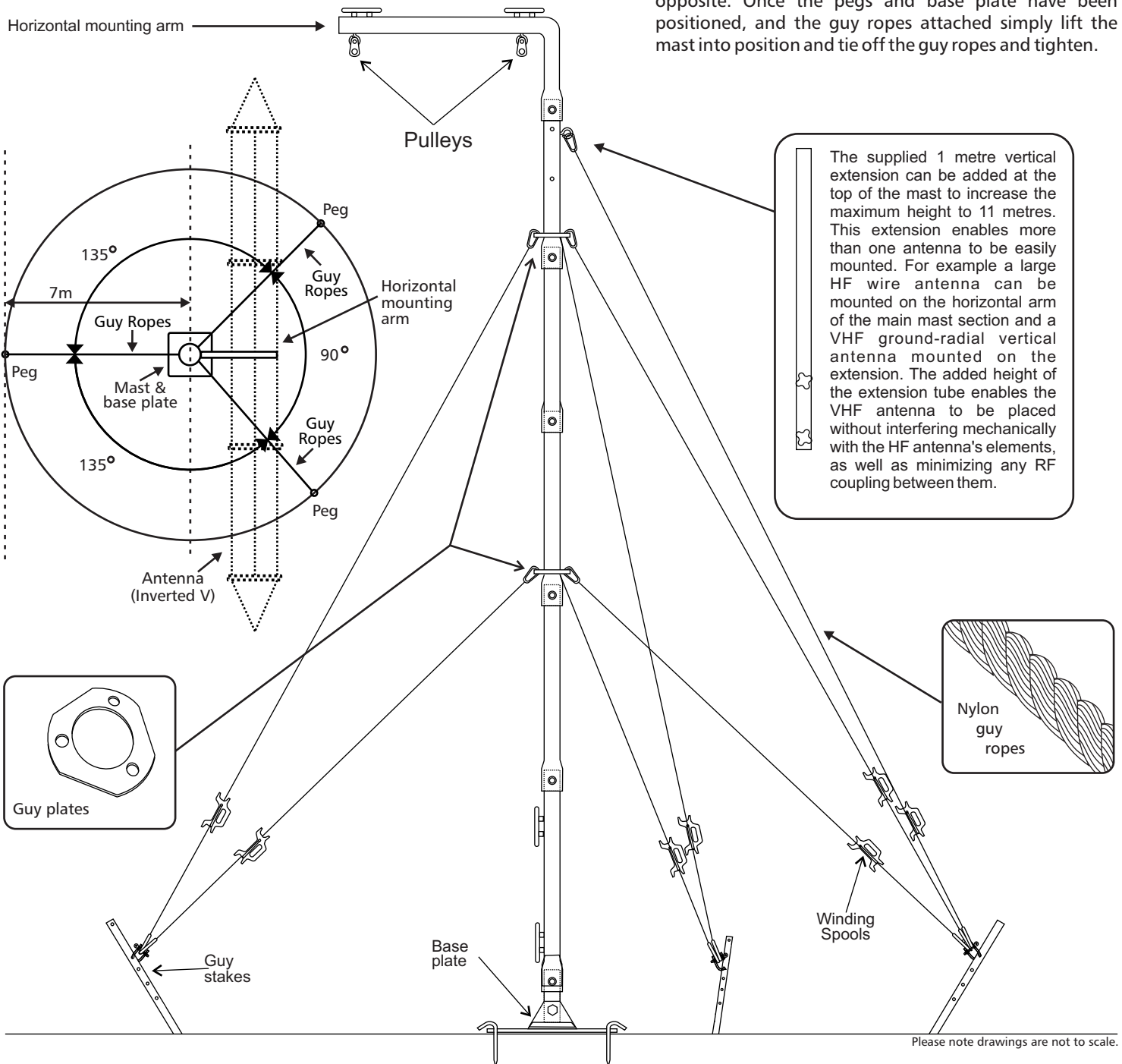
10 Metre Rapid Deployment Mast - (P/N 2090-02-21)

Compatible Barrett antennas

HF 912 Single-wire broadband dipole 150 W	P/N: BC91201
HF 912 Multi-wire broadband dipole 150 W	P/N: BC91200
HF 912 Multi-wire broadband dipole 500 W	P/N: BC91201
HF Rapid deployment wire dipole 125W	P/N: 2090-02-01
HF Rapid deployment broadband dipole 125 W	P/N: 2090-02-03
HF Rapid deployment two wire broadband dipole 150 W	P/N: 2090-02-20
VHF Tactical rapid deployment antenna	P/N: 2086-02-10
VHF Tactical rapid deployment antenna	P/N: 2086-02-10
VHF 30 to 108 MHz elevated wideband antenna	P/N: 2083-02-03
VHF 30 to 108 MHz centre-fed whip antenna	P/N: 2083-02-01

This rapid deployment air transportable 10m mast consists of 2.1 metre aluminium sections with collared end joints. The collars are self locking to prevent rotation/twisting along the length of the mast. Lower heights are achievable by using fewer sections. A tubular horizontal mounting arm, with pulleys, attaches to the top of the mast to enable large wire antennas to be raised in place once the mast is erected. A rope halyard is included for this purpose. In addition, a 1 metre vertical extension is also supplied (details below). Guy ropes and halyard are supplied on winding spools to facilitate rapid deployment of the mast. The mast is supplied with all components required for deployment. The complete mast kit is contained in a rugged canvas carry-bag.

Erection of the mast requires a minimum of two persons. Assemble all mast sections as per the diagram below. Peg spacing is min 7 metres from mast at the angles indicated opposite. Once the pegs and base plate have been positioned, and the guy ropes attached simply lift the mast into position and tie off the guy ropes and tighten.



The supplied 1 metre vertical extension can be added at the top of the mast to increase the maximum height to 11 metres. This extension enables more than one antenna to be easily mounted. For example a large HF wire antenna can be mounted on the horizontal arm of the main mast section and a VHF ground-radial vertical antenna mounted on the extension. The added height of the extension tube enables the VHF antenna to be placed without interfering mechanically with the HF antenna's elements, as well as minimizing any RF coupling between them.

Nylon guy ropes

Please note drawings are not to scale.

5 Metre Rapid Deployment Mast - (P/N 2090-02-04)

Compatible Barrett antennas

HF-Rapid deployment wire dipole antenna 125 W	P/N: 2090-02-01
HF-Rapid deployment broadband dipole antenna 125 W	P/N: 2090-02-03
HF-Long wire throw out antenna	P/N: 2090-02-06

Specifications

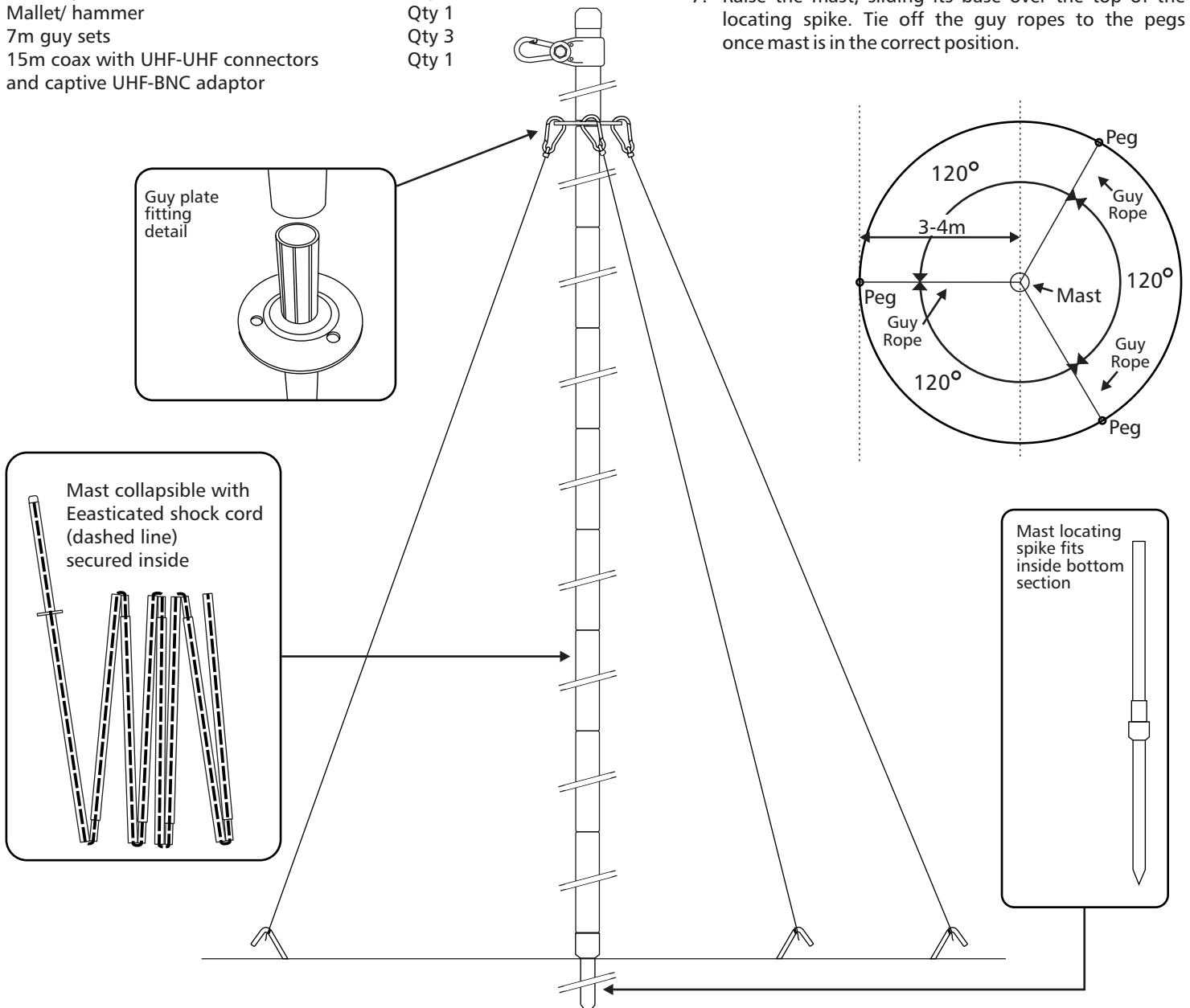
Mast material:	25mm round aluminium tube, NATO Green.
Packed dimensions:	L-830mm x W-220mm x H-140mm
Packed Weight:	6.2kg

Mast Kit Contents

Carry bag, NATO Green, with snap closures	Qty 1
Mast 5m (8 piece)	Qty 1
Spike for locating mast base	Qty 1
Tent pegs	Qty 3
Mallet/ hammer	Qty 1
7m guy sets	Qty 3
15m coax with UHF-UHF connectors and captive UHF-BNC adaptor	Qty 1

The Barrett Rapid Deployment Mast is a lightweight, transportable pole construction kit for use as a temporary 5m tower solution in the field.

1. Place the mast on the ground. The 8 sections of the mast which are held together with elasticated shock cord can now be fully extended.
2. Clip the guy ropes including winder/tensioner to the guy plate.
3. Attach the antenna to the snap hook at the top of the mast
4. Connect the coaxial cable to the antenna and secure to the length of the mast with the velcro loops provided
5. Drive the mast base locating spike into the ground for approx half its length then slide the grey collar over the top of the spike with the narrow end pointing up.
6. Drive the 3 pegs into the ground at 120 degree intervals 3-4metres from the mast pole as shown in the diagram below.
7. Raise the mast, sliding its base over the top of the locating spike. Tie off the guy ropes to the pegs once mast is in the correct position.



9.4 Metre Rapid Deployment Composite Mast (P/N 2083-02-02)

Compatible Barrett antennas

VHF 30 to 108 MHz elevated wideband VHF antenna P/N: 2083-02-03
 30 to 108 MHz centre-fed ground independent whip P/N: 2083-02-01

Specifications

Retracted eight 1.8 metres,
 Mast material: Composite telescopic tube, Olive Green.
 Packed Weight: 7.4kg

Mast Kit Contents

Base Plate	Qty 1
Tent Pegs	Qty 4
Guy Anchors	Qty 3
Long Guy Ropes	Qty 3
Short Guy Ropes	Qty 3
Mast	Qty 1
Hammer/Mallet	Qty 1
Carry Bag	Qty 1
Instructions	Qty 1

This rapid deployment mast consists of 7 sections of composite tube which extend telescopically with locking levers. The mast can be erected to any desired height. The last extension at the top of the mast (thinnest section) is only suitable for very light head loads.

Guy ropes and halyard are supplied on winding spools to facilitate rapid deployment of the mast. The mast is supplied with all components required for deployment. The complete mast kit is contained in a rugged canvas carry-bag.

Erection of the mast requires a minimum of two persons. Peg spacing is min 4 metres from mast at the angles indicated below. Once the pegs and base plate have been positioned and the guy ropes attached, simply extend the mast sections to the desired height locking off each section as required. Once the mast is at the correct height, tie off the guy ropes and tighten. The guy ropes (once tensioned) are secured with the "Clam Cleats" which are attached to the guy rope snap locks. Pull the guy rope up to tension and then pull down with the rope in the cleat groove as shown below.

