



FIMO



Building Sustainable Innovation

PRODUCT CATALOG TOME 3



ICON LEGEND

The products provided with a calculation note meet the following Eurocode criteria

WIND ZONE



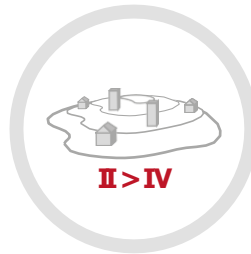
Base reference wind speed values (48.0) by regio

- Region 1: 22 m/s
- Region 2: 24 m/s
- Region 3: 26 m/s
- Region 4: 28 m/s
- Region 5 – Guadeloupe: 36 m/s
- Region 5 – French Guiana: 17 m/s
- Region 5 – Martinique: 32 m/s
- Region 5 – Réunion: 34 m/s

TERRAIN CATEGORY



Urban area

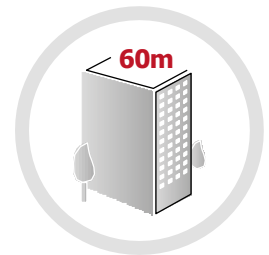
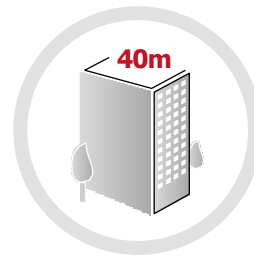
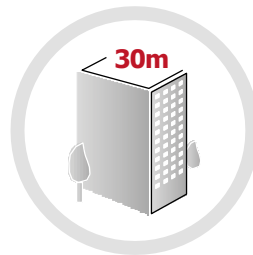
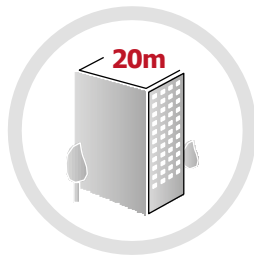


All terrain categories
(excluding coastal areas)



All terrain categories
(including coastal areas)

MAXIMUM BUILDING HEIGHT



The images associated with a product make it easier to read but do not show all of the product's capabilities; for more information



CONTACT YOUR SALES REPRESENTATIVE

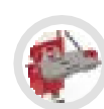
CHARACTERISTICS



Ground footprint excluding equipment, in mm – for reference only



Overall product weight excluding equipment (kg) – for reference only



Product supplied in manually portable elements - Heaviest element: 32 kg

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SMART CITY

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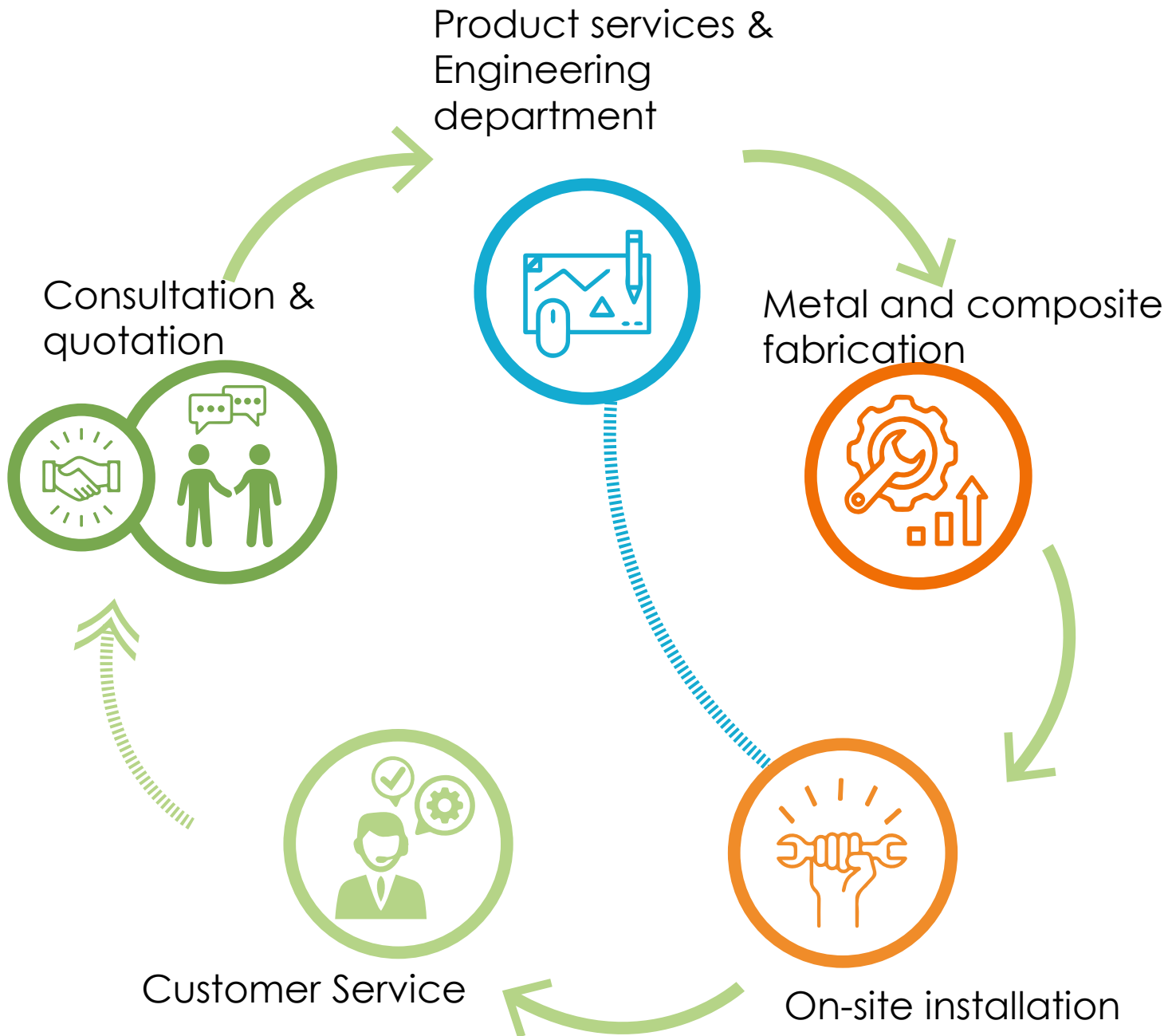
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INNOVATION FOR CUSTOMER SUCCESS



ENVIRONMENTAL COMMITMENT AND CORPORATE SOCIAL RESPONSIBILITY

We are certified by AIO in accordance with international standards ISO 14001, ISO 9001, and ISO 45001. These certifications demonstrate the strength of our integrated management system, covering environmental performance, process quality, and occupational health and safety. They reflect our long-term commitment to continuous improvement, risk management and the satisfaction of our customers and partners.

In addition, we have been awarded the EcoVadis Bronze Medal (35%), a distinction that assesses our performance in terms of Corporate Social Responsibility (CSR). This rating considers several criteria, such as environmental impact, ethical practices, respect for human rights, and responsible resource management.

Thanks to these commitments, we ensure:

- ✓ Optimization of resource management and reduction of our environmental impact.
- ✓ Improvement of our social and ethical practices throughout our supply chain.
- ✓ Delivery of high-quality products while adhering to demanding environmental and social standards.

By choosing our products, you support a company that places sustainability and responsibility at the heart of its business.

Thank you for your trust in this eco-responsible approach!



The United Nations Global Compact is a call for companies around the world to align their practices and strategies with Ten Principles derived from the fundamental texts of the United Nations in the areas of human rights, labor law, environmental protection, and anti-corruption.

1

**FREE-STANDING
SOLUTIONS**

FOR EASY INSTALLATION ON FLAT ROOF



»»» BALLASTS

FIMO pad base	6
Resilient pad base	6
Polystyrene pad base	6
Elastomer pad base	7
Hexagonal pad base	7

»»» BALLAST MATS

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»»» ANTENNA SUPPORTS

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TD enclosures	52
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»»» SMART CITY

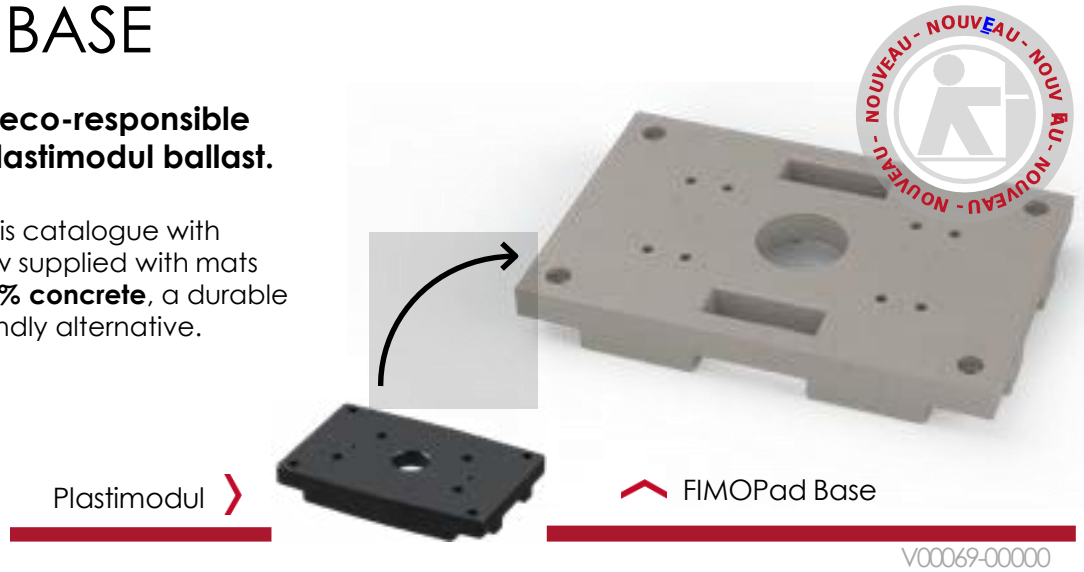
Omnidirectional antenna	56
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Video surveillance	62

BALLASTS

FIMO PAD BASE

A retrofittable, more eco-responsible solution to replace Plastimodul ballast.

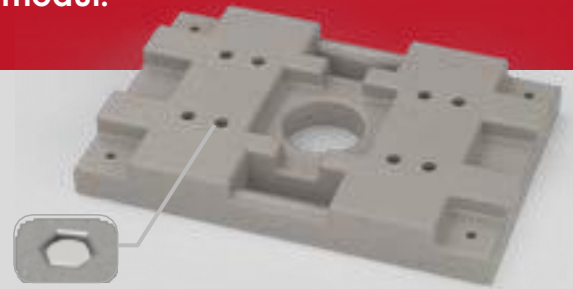
The products shown in this catalogue with Plastimodul mats are now supplied with mats made of **FIMO slabs, 100% concrete**, a durable and environmentally friendly alternative.



The FIMO slab is the evolution of Plastimodul. It offers numerous advantages:



- » More eco-responsible
- » Easy to grip
- » Simple handling and assembly
- » Aesthetic product



Recesses for hexagonal screws

CHARACTERISTICS

32
KG

400x600
H75

RESILIENT PAD BASE



Waterproofing protection mast

» Dimensions: 1250x625x5

V00071-00000

POLYESTER PAD BASE



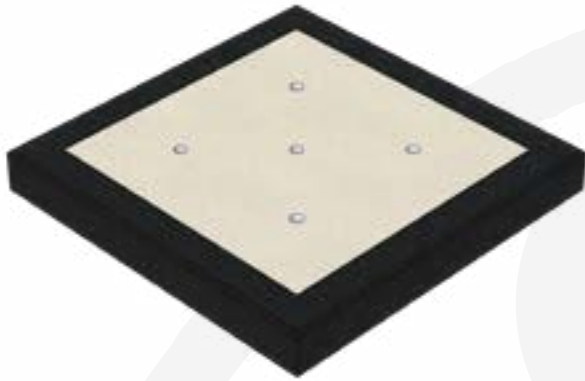
Waterproofing protection mast

» Dimensions: 1250X600X20

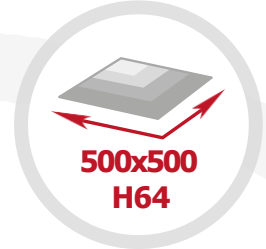
VN59956003318

ELASTOMER PAD BASE

VN39628007339



CHARACTERISTICS



- » **Anti-vibration**
- » **Protects roof waterproofing (no protection mat required)**
- » **100% elastomer material made from recycled tires**
- » **100% recyclable elastomer material**

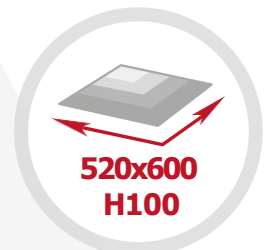


HEXAGONAL PAD BASE

VN13187003213



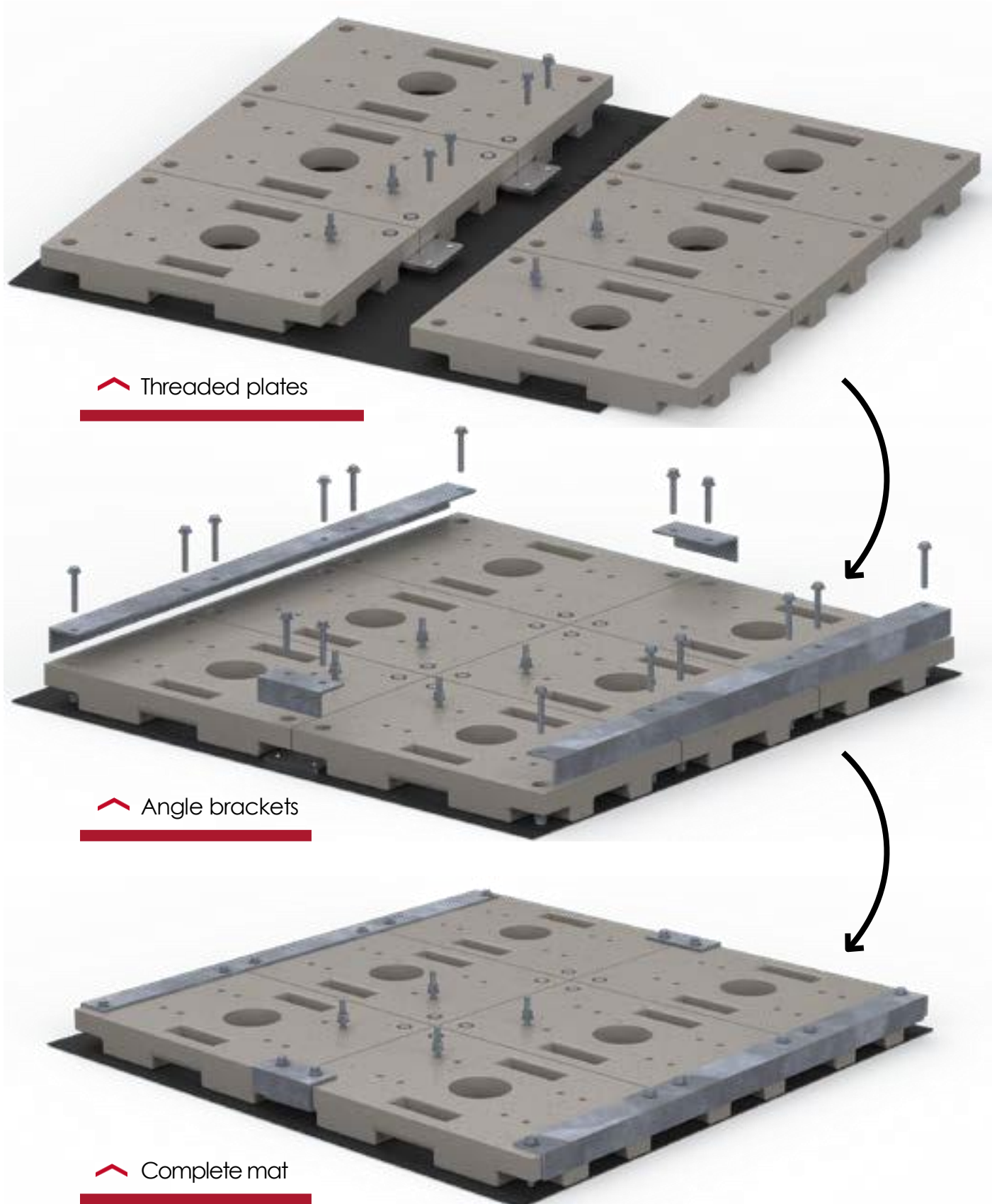
CHARACTERISTICS








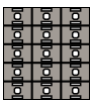
CONTACT US FOR A CONFIGURATION
STUDY OR A CUSTOM QUOTATION

BALLAST MATS

FIMO PAD BASE ASSEMBLY PRINCIPLE

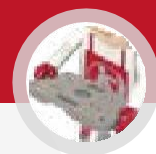


PRECONFIGURED FIMO PAD BASE MATS

NUMBER OF MATS	FLOOR FOOTPRINT (mm)	WEIGHT	REFERENCE
4 BALLASTS	 800 x 1200	135 kg	VN39629001003
6 BALLASTS	 1220 x 1220	214 kg	VN39629001004
8 BALLASTS	 1620 x 1220	285 kg	VN39629001005
10 BALLASTS	 2020 x 1220	355 kg	VN39629003615
12 BALLASTS	 1620 x 1820	431 kg	VN39629001001
15 BALLASTS	 2020 x 1820	534 kg	VN39629001002



- » Optimized weight and footprint, allowing adaptation to a wide range of flat roofs
- » Resilient pad included

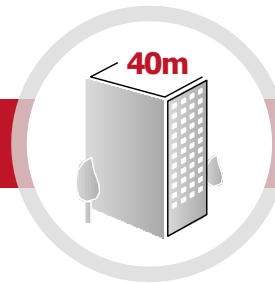


CONTACT US FOR A CONFIGURATION STUDY OR A CUSTOM QUOTATION

SUPPORTS D'ANTENNES

DUAL COPLANAR ANTENNAS

WHERE ?



WHY ?

4G and 5G – Ground-level maintenance

VN61973003513



- » 1 Mast Ø114 H2000
- » 4 adjustable offset arms
- » 1 Tube Ø90 H1200
- » 1 Tube Ø90 H2800
- » Braces

CHARACTERISTICS

1117
KG

2950x3000

4G and 5G –Elevated position

VN61973004880



- » 1 Mast Ø114 H3500
- » 4 adjustable offset
- » 2 Tubes Ø90 H2800
- » Braces

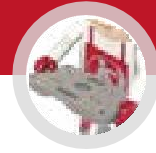
CHARACTERISTICS

1142
KG

2950x3000



- » Kit for on-site assembly or pre-assembly option
- » Height of 4G High Mast (HHA): 4m
- » A calculation sheet provided



OPTIONS

✓ **4G and 5G – Elevated position + ground-level maintenance**

✓ **Aluminium guardrail**

» + **Antenna offset arms** (not included)

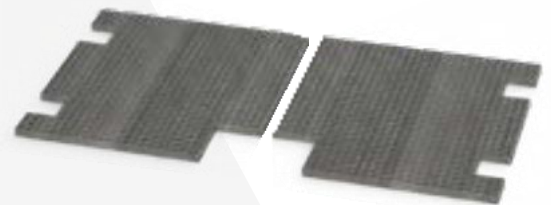


VN61973004165



✓ **Grating**

VN61975003806



- » 2 Masts Ø114 H2000
- » 4 Mounting options to facilitate antenna azimuth adjustment

» Read more

CHARACTERISTICS

1062
KG

2950x3000

ANTENNA SUPPORTS

5G ANTENNA

WHERE?

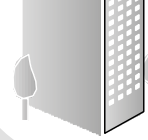
1>2



IIIb > IV



40m



WHY?

✓ 1 5G Antenna— HHA 3m

VN61973003665



FOR MORE
INFORMATION



**CONTACT YOUR SALES
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- » Mast Ø114 H2000
- » 2 antenna offset arms 150
- » 1 Tube Ø90 H1800
- » 8 Ballasts

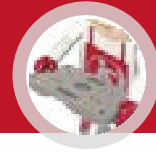
CHARACTERISTICS

340
KG

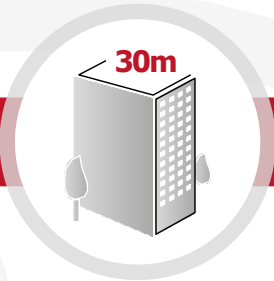
1620x1220



- » Compact and optimized for 5G antennas
- » Ground-level maintenance
- » Quick assembly
- » Structural calculation report provided



WHERE ?



WHY?

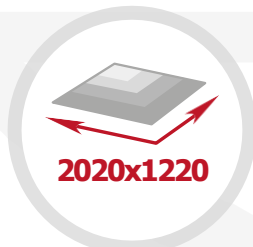
1 5G Antenna — HHA 3m

VN61973003610



- » Mast Ø114 H2000
- » 2 antenna offset arms 150
- » 1 Tube Ø90 H1800
- » 10 Ballasts

CHARACTERISTICS



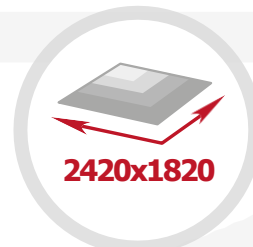
1 5G Antenna — HHA 4m

VN61973003827



- » Mast Ø114 H2000
- » 2» 2 antenna offset arms 150
- » 1 Tube Ø90 H2800
- » 18 Ballasts
- » Braces

CHARACTERISTICS



ANTENNA SUPPORTS

MODULITE – HIGH-HEIGHT ANTENNAS

WHERE ?

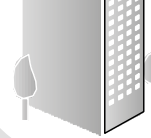
1>2



IIIb > IV



40m



WHY?

✓ 1 Antenna H2700 L305 maxi

» 2 possible antenna offset arms

VN27418001052



MODULITE A1 (offset arm Dean Evo not included)

- » 1 Mast Ø114 H2000
- » 12 Ballasts

CHARACTERISTICS

447
KG

2400x1200

✓ 2 Antennas H2700 L305 maxi

VN27418001054



MODULITE A3 (offset arm Dean Evo not included)

- » 1 Mast Ø114 H2000
- » 20 Ballasts

CHARACTERISTICS

740
KG

2400x2400



- » Kit for on-site assembly or pre-assembly option
- » Maximum antenna height (MAH): 4 metres
- » A calculation sheet provided



CONTACT US FOR A CONFIGURATION STUDY OR A CUSTOM QUOTATION

»» OPTIONS

✓ 1 Antenna H2800 L500 maxi

VN27418005255



MODULITE B1 (offset arm Dean Evo not included)

- » 1 Mast Ø114 H2000
- » 14 Ballasts

CHARACTERISTICS

548
KG

2850x1250

✓ 2 Antennas H2750 L470 maxi

VN27418005257



MODULITE B3 (offset arm Dean Evo not included)

- » 1 Mast Ø114 H2000
- » 20 Ballasts

CHARACTERISTICS

776
KG

2450x2450

ANTENNA SUPPORTS

MODULITE – HIGH-HEIGHT ANTENNAS

WHERE ?

1 > 3



0 > IV



30m



WHY?

✓ 1 Antenna H2700 L305 maxi

» 3 possible offset arms

VN27418001053



MODULITE A2 (offset arm Dean Evo not included)

- » 1 Mast Ø114 H2000
- » 18 Ballasts

✓ 1 Antenna H2800 L500 maxi

VN27418005256



MODULITE B2 (offset arm Dean Evo not included)

- » 1 Mast Ø114 H2000
- » 24 Ballasts

CHARACTERISTICS

663

KG

2400x1800

CHARACTERISTICS

895

KG

3250x1850



- » Kit for on-site assembly or pre-assembly option
- » Maximum antenna height (HHA): 4 m
- » Calculation note provided



CONTACT US FOR A CONFIGURATION STUDY OR A CUSTOM QUOTATION

OPTIONS

✓ **Alu or composite guardrail**



✓ **Ø114 anchoring point**

VN32502003243



AVAILABLE ANTENNA
SUPPORT ELASTOMERPAD
BASE - 12 AND 24 BALLASTS

VN61973007342
VN61973007343



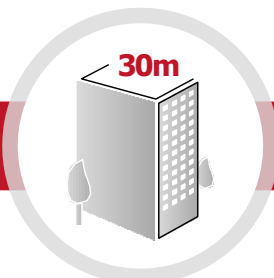
**CONTACT YOUR SALES
REPRESENTATIVE**

ANTENNA SUPPROTS



MÂTUTE V2

WHERE ?



WHY?

4G AND 5G ANTENNAS

» + Antenna offset arm



Exemple : Configuration 4

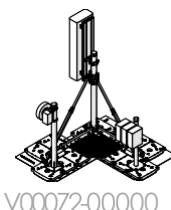
- » 1 Mast Ø114 H2000
- » 4 pads of 4 ballasts
- » All options

CHARACTERISTICS

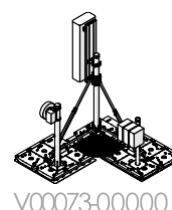


7 POSSIBLE CONFIGURATIONS

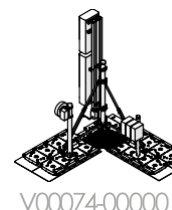
MAST 2M + ANTENNA OFFSET ARM



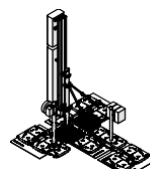
V00072-00000



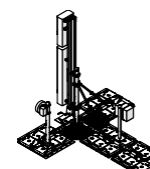
V00073-00000



V00074-00000

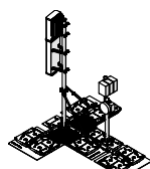


V00075-00000

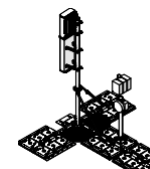


V00076-00000

MAST 4M



V00077-00000



V00078-00000

To find the solution best suited to my equipment and requirements



CONTACT YOUR SALES REPRESENTATIVE



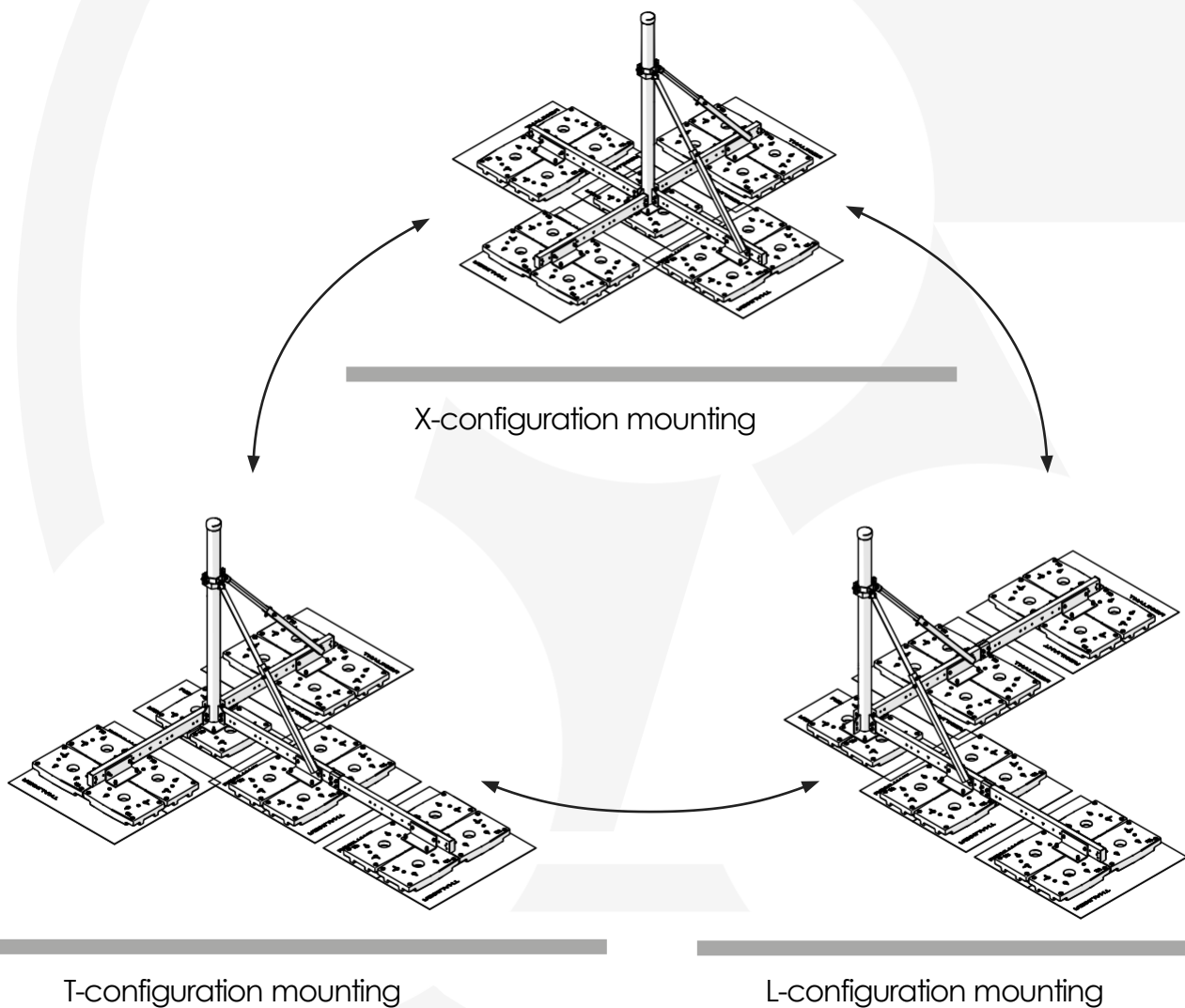
The MâtLite V2 se décline en 7 configurations.
Les châssis peuvent être montés en :

- » X pour une installation sur toit terrasse
- » T pour une installation en bordure de terrasse
- » L pour une installation en angle de terrasse



- » Kit à monter sur place
- » Option pré-montage
- » Ajout possible de mâts support FH et/ou RRU/RRH (2 maxi) sur le châssis
- » Une note de calcul fournie

» SEE OPTIONS

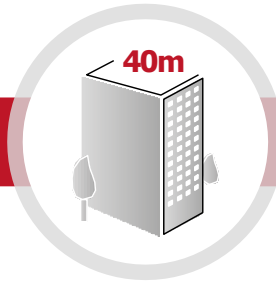


If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

FH SUPPORTS

FH30 AND FH60

WHERE ?



WHY ?

✓ 1 or 2 FH Ø380mm maxi

VN61973001017

» 1 FH30



- » Mast Ø114 H1600
- » 4 Ballasts

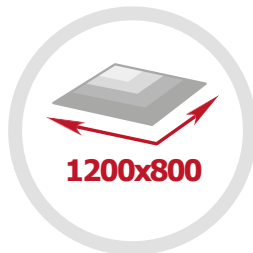
✓ 1 FH Ø700mm maxi

VN61973001020

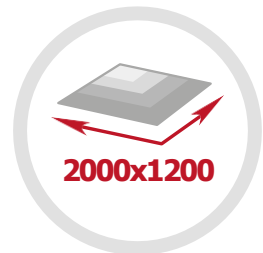


- » Mast Ø114 H2000
- » 8 Ballasts
- » H maxi FH 1550

CHARACTERISTICS



CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 10-15 min by 1 person
- » Structural calculation report provided



OPTION

✓ Guardrail



- » Aluminium guardrail
or
- » Composite guardrail

FOR MORE
INFORMATION

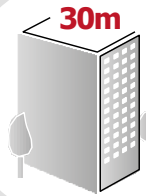


**CONTACT YOUR SALES
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FH SUPPORTS

FH30 AND FH60

WHERE?



WHY?

✓ 1 FH Ø380mm maxi

VN61973007340



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Mast Ø114 H1800
- » 8 Elastomer pad base



- » Kit to be assembled on site
- » Installation time: 10-15 min by 1 person
- » Structural calculation report provided



WHERE ?



WHY?

✓ 1 FH Ø380mm maxi

VN61973007341



FOR MORE
INFORMATION



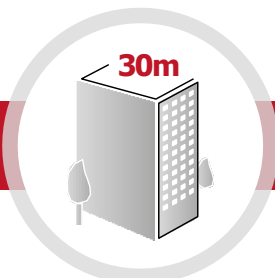
**CONTACT YOUR SALES
REPRESENTATIVE**

- » Mast Ø114 H2000
- » 9 Elastomer pad base

FH SUPPORTS

FH30 AND FH60

WHERE ?



WHY?

✓ 1 or 2 FH Ø380mm maxi

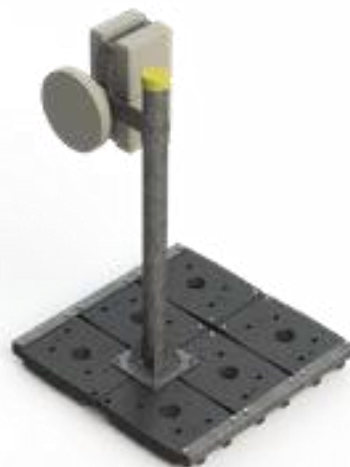
OU

✓ 1 FH Ø398mm + 4 ODU max

VN61973001019

»» 1 FH30

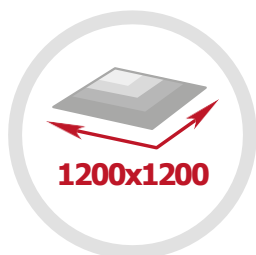
»» Configuration (2+0)



» Mast Ø114 H1600

» 6 Ballasts

CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 10-15 min by 1 person
- » Structural calculation report provided



OPTION

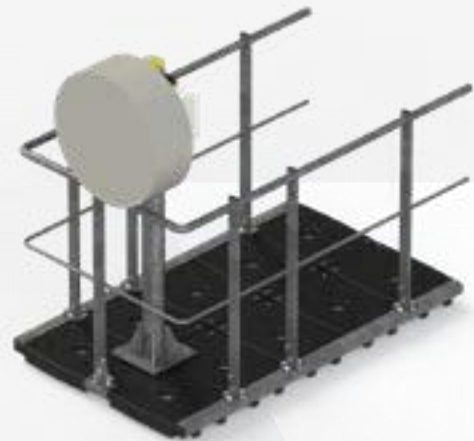
✓ 1 FH Ø700mm maxi

VN61973001021



- » Mast Ø114 H2000
- » 10 Ballasts
- » H maxi FH 1550

✓ Guardrail



- » Aluminium guardrail
or
- » Composite guardrail

CARACTÉRISTIQUES

376
KG

2000x1200



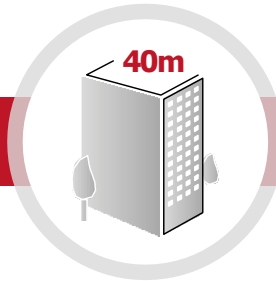
**CONTACT YOUR
SALES REPRESENTATIVE**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

UNIVERSAL EQUIPMENT RACK SUPPORTS

WHERE?



WHY ?

✓ 1 Rack (800x800x1550 max)

VN61973001067



- » Galvanized steel structure
- » 4 Ballasts

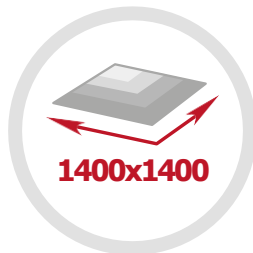
✓ 1 Rack (1100x900x1800 max)

VN61973006823

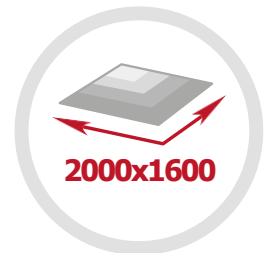


- » Galvanized steel structure
- » 10 Ballasts

CHARACTERISTICS



CHARACTERISTICS





- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided



✓ 1 Rack (110x900x1800 max) + 1 Rack (800x800x1500 max)

VN61973007036



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Galvanized steel structure
- » 10 Ballasts

CHARACTERISTICS

**435
KG**

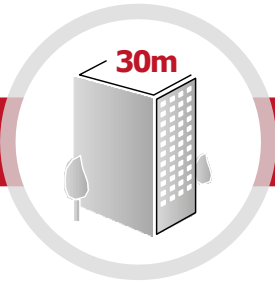
2000x1600

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

UNIVERSAL EQUIPMENT RACK SUPPORTS

WHERE ?



WHY?

✓ 1 Rack (700x610x1300 max)

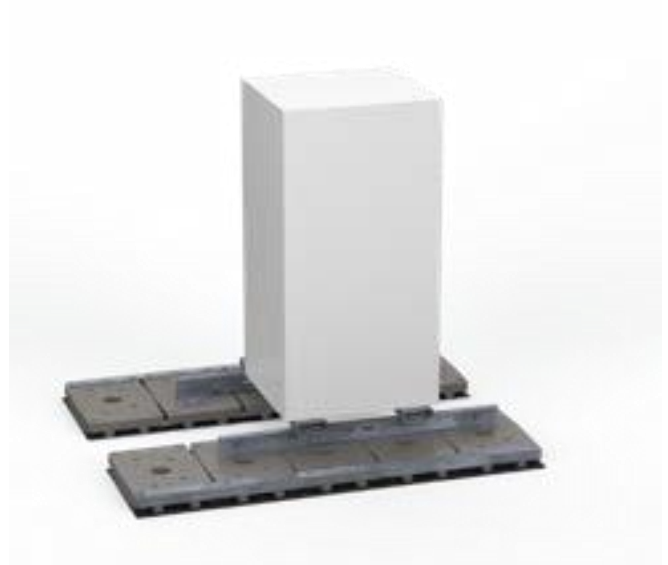
VN61973001068



- » Galvanized steel structure
- » 6 Ballasts

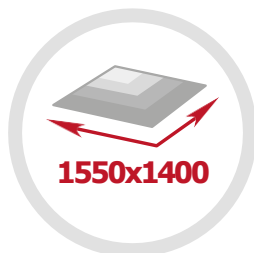
✓ 1 Rack (800x800x1500 max)

VN61973007889

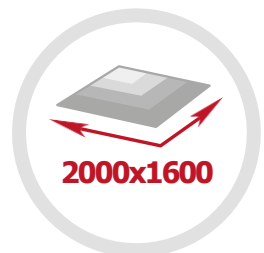


- » Galvanized steel structure
- » 10 Ballasts

CHARACTERISTICS



CHARACTERISTICS

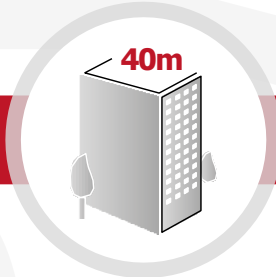




- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided



WHERE ?



WHY?

✓ 1 Rack (1100x900x1800 max)

VN61973007035



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Galvanized steel structure
- » 12 Ballasts

CHARACTERISTICS

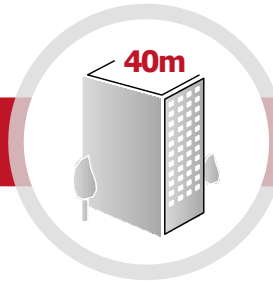


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EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

WHERE ?



WHY ?

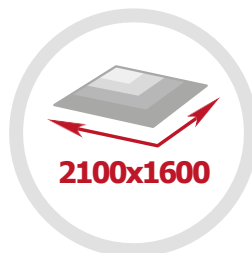
4 BCUBE Racks

VN61973001071



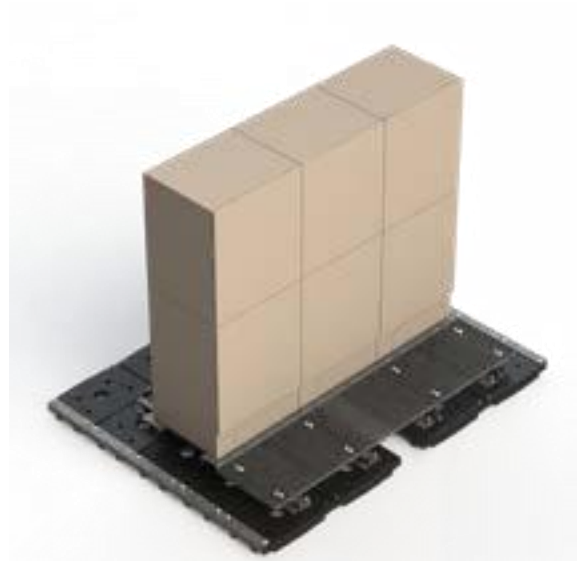
- » Galvanized steel structure
- » 6 Ballasts
- » Grating

CHARACTERISTICS



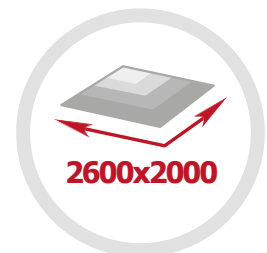
6 BCUBE Racks

VN61973001072



- » Galvanized steel structure
- » 20 Ballasts
- » Grating

CHARACTERISTICS

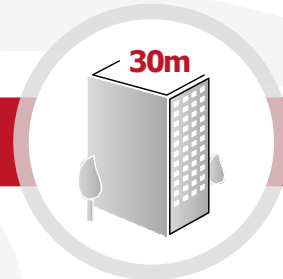
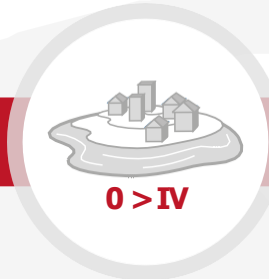




- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided



WHERE ?



WHY?

4 BCUBE Racks

VN61973001077



- » Galvanized steel structure
- » 18 Ballasts
- » Grating

1 ELTEK Rack

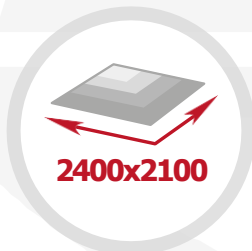
VN61973009302



- » Galvanized steel structure
- » 4 Elastomer pad base

OTHER AVAILABLE SUPPORTS

CHARACTERISTICS



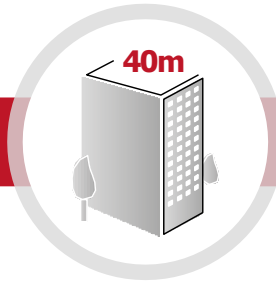
CONTACT YOUR SALES REPRESENTATIVE

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

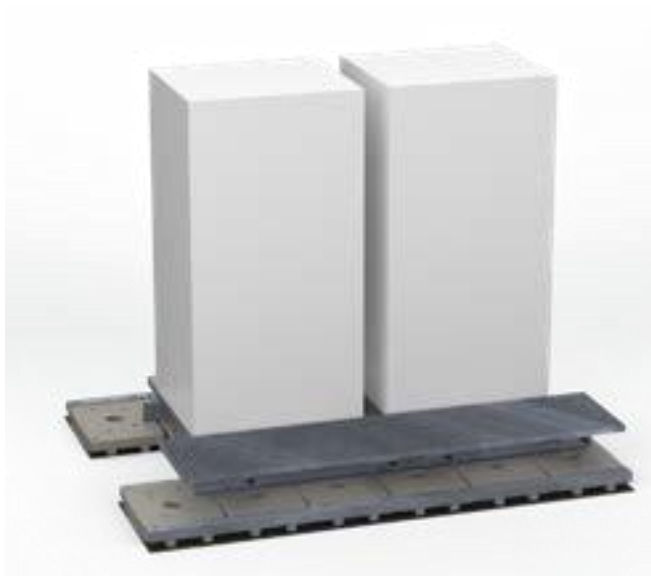
WHERE ?



WHY?

✓ 1 Rack Trans/radio + 1 TGBT/AE48V

VN48775009316



- » Galvanized steel structure
- » 12 Ballasts
- » **Gratings**

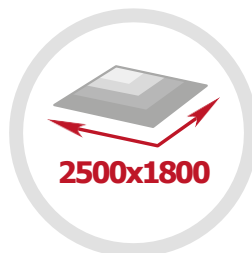
✓ 1 Rack Trans/radio + 1 TGBT/AE48V

VN48775009501

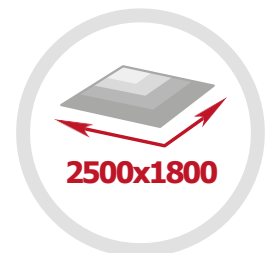


- » Galvanized steel structure
- » 12 Ballasts

CHARACTERISTICS



CHARACTERISTICS

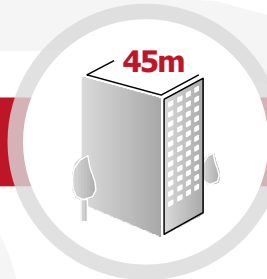
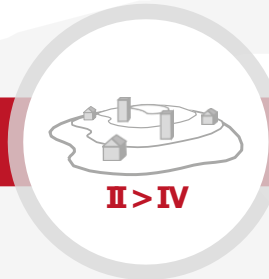




- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided



WHERE?



WHY?

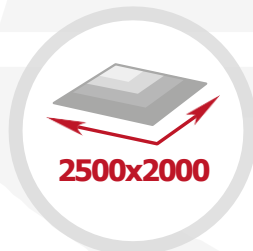
» 1 Rack Trans/radio + 1 TGBT/AE48V

VN48775009370



- » Galvanized steel structure
- » 20 Ballasts
- » **Gratings**

CHARACTERISTICS



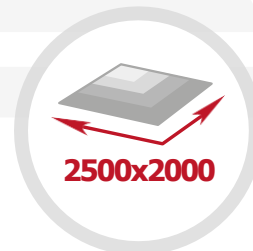
» 1 Rack Trans/radio + 1 TGBT/AE48V

VN48775009500



- » Galvanized steel structure
- » 20 Ballasts

CHARACTERISTICS

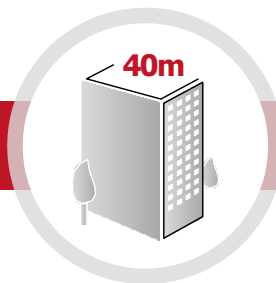


If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

WHERE?



WHY?

1 Rack

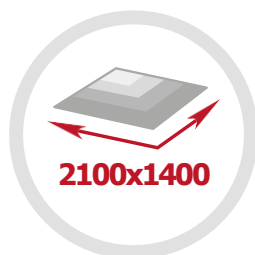
VN48775009717

»» CAB ONE



- » Galvanized steel structure
- » 4 Elastomer pad base

CHARATCERISTICS



2 Stacked racks

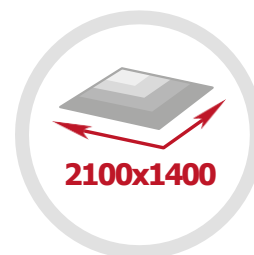
VN48775009718

»» CAB TWO V



- » Galvanized steel structure
- » 6 Elastomer pad base

CHARATCERISTICS





- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided

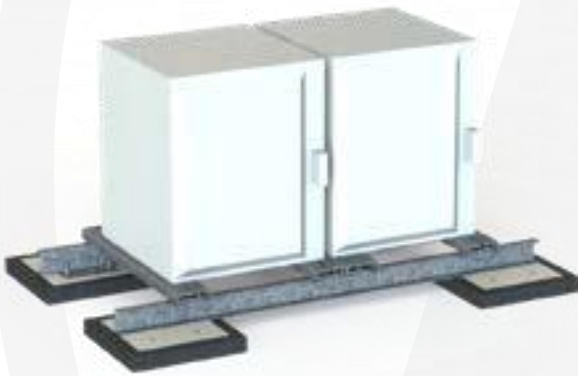


OPTIONS

✓ 2 Side-by-side racks

VN48775009719

»» CAB TWO H



- » Galvanized steel structure
- » 4 Elastomer pad base

CHARACTERISTICS

173
KG

2100x1400

✓ Equipment support mast

VN48775009754



44
KG

✓ Elastomer step

V00001-00000



1000x480
H130

FOR MORE
INFORMATION



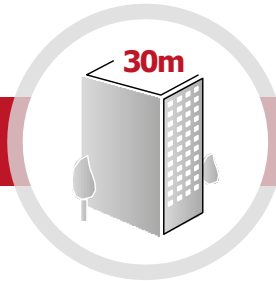
**CONTACT YOUR SALES
REPRESENTATIVE**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

WHERE?



WHY?

1 Rack

VN48775009756

CAB ONE



- » Galvanized steel structure
- » 9 Elastomer pad base

2 Side-by-side racks

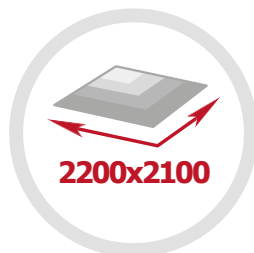
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CAB TWO H

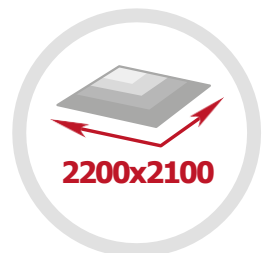


- » Galvanized steel structure
- » 9 Elastomer pad base

CHARACTERISTICS



CHARACTERISTICS





- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided



OPTIONS

2 Stacked racks

VN48775009757

»» CAB TWO V



- » Galvanized steel structure
- » 11 Elastomer pad base

CHARACTERISTICS

373
KG

2200x2200

Equipment support masts

VN48775009755



35
KG

Grating

V00002-00000



2200x800

FOR MORE
INFORMATION



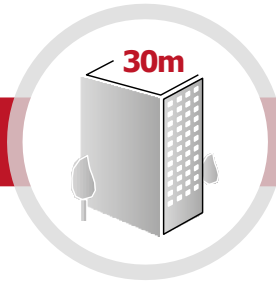
**CONTACT YOUR SALES
REPRESENTATIVE**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

WHERE?



WHY?

✓ 1 TLTI rack+2 LRO racks

VN61973001064



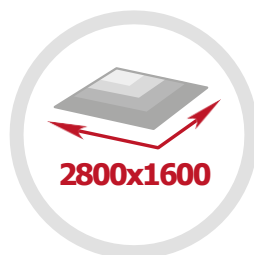
FOR MORE
INFORMATION



CONTACT YOUR SALES
REPRESENTATIVE

- » Galvanized steel structure
- » 12 Ballasts
- » Gratings

CHARACTERISTICS

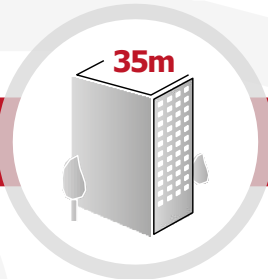




- » Versatile
- » Quick assembly
- » Compact and suitable for a wide range of flat roofs
- » Structural calculation report provided



WHERE?



WHY?

✓ 1 enclosure + 2 BCUBE racks

V00155-00000

✓ 1 ELTEK rack + 1 AMOD + 2 enclosures

VN61973007384

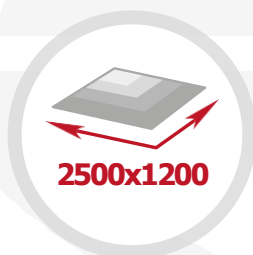


- » Galvanized steel structure
- » 10 Elastomer pad base

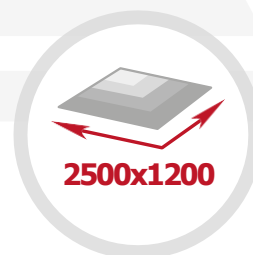


- » Galvanized steel structure
- » 10 Elastomer pad base

CHARACTERISTICS



CHARACTERISTICS

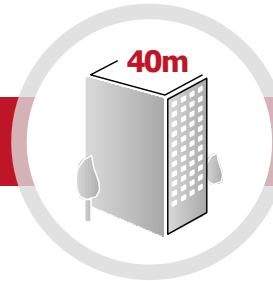


If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

RRU/RRH SUPPORTS

MOUNTING RACKS

WHERE?



WHY?

✓ 1 to 16 RRU/RRH

VN61973000977

» 16 RRU/RRH



- » Galvanized steel structure
- » 6 Ballasts

✓ 1 to 12 RRU/RRH

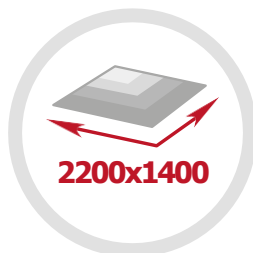
VN61973002739

» 12 RRU/RRH

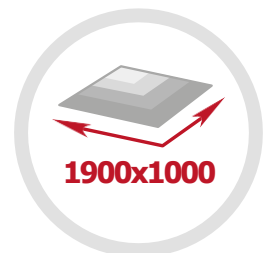


- » Galvanized steel structure
- » 4 Ballasts

CHARACTERISTICS



CHARACTERISTICS





Racks are a support system designed to maximize available space and increase equipment capacity.



- » Kit for on-site assembly
- » Quick installation by one person
- » Fully dismantlable structure
- » Calculation notes provided

6 RRU/RRH

VN61973000998



- » Galvanized steel structure
- » 4 Ballasts (closely spaced)

CHARACTERISTICS

160
KG

1900x850

12 RRU/RRH

VN61973000988



- » Galvanized steel structure
- » 4 Ballasts (closely spaced)

CHARACTERISTICS

167
KG

1900x850

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

RRU/RRH SUPPORTS

MOUNTING RACKS

WHERE?

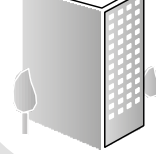
1>3



IIIb > IV



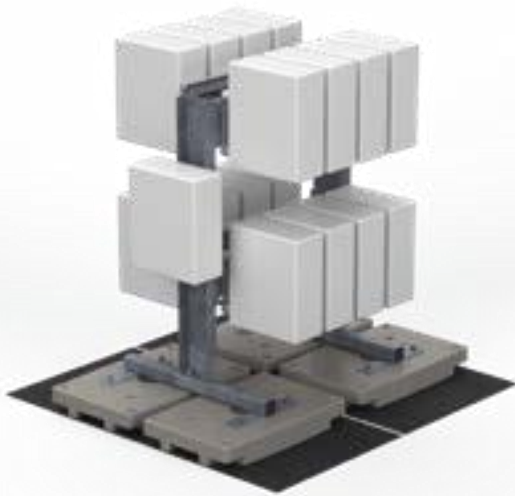
40m



WHY?

✓ 1 to 16 RRU/RRH + enclosure Panama

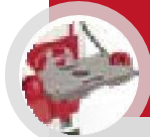
VN61973000923



- » Galvanized steel structure
- » 4 Ballasts (closely spaced)



Racks are a support system that maximizes available space to increase equipment capacity.



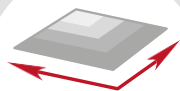
- » Kit to be assembled on site
- » Quick installation by one person
- » Fully demountable structure
- » Structural calculation report provided

CHARACTERISTICS

175
KG



1300x850



WHERE?

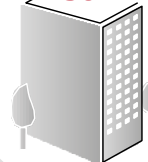
1>3



0>IV



30m



WHY?

✓ 1 to 16 RRU/RRH + enclosure Panama

VN61973000923



- » Galvanized steel structure
- » 4 Ballasts (spaced apart)

CHARACTERISTICS

175
KG

1300x1150

MANY OTHER SUPPORTS AVAILABLE

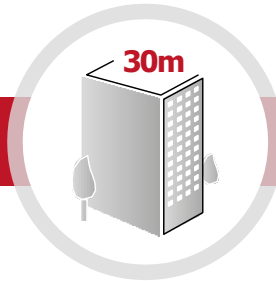
To find the solution best suited to my equipment and requirements

» CONTACT YOUR SALES REPRESENTATIVE

RRU/RRH SUPPORTS

MOUNTING RACKS

WHERE?



WHY?

1 to 16 RRU/RRH

VN61973000981

16 RRU/RRH



- » Galvanized steel structure
- » 8 Ballasts

1 to 12 RRU/RRH

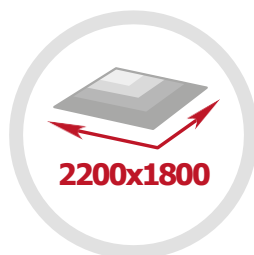
VN61973000989

12 RRU/RRH

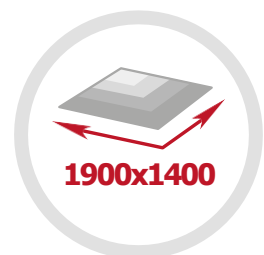


- » Galvanized steel structure
- » 6 Ballasts

CHARACTERISTICS



CHARACTERISTICS





Racks are a support system designed to maximize available space and increase equipment capacity.



- » Kit for on-site assembly
- » Quick installation by one person
- » Fully dismantlable structure
- » Calculation notes provided

6 RRU/RRH

VN61973000998



- » Galvanized steel structure
- » 4 Ballasts (spaced apart)

CHARACTERISTICS

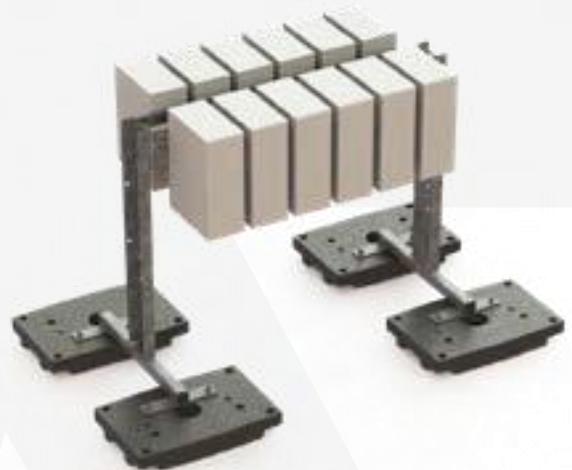
160
KG

1900x1200

12 RRU/RRH

VN61973000988

VN61973007892



- » Galvanized steel structure
- » 4 Ballasts (spaced apart)

CHARACTERISTICS

167
KG

1900x1200

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

RRU/RRH SUPPORTS

MOUNTING MASTS

WHERE?

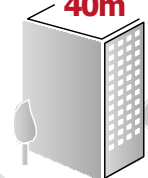
1>3



IIIb > IV



40m



WHY?

✓ 3 RRU/RRH + 1 hybrid enclosure

VN61973007335



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Mast Ø90 H1500
- » 3 Elastomer pad base



Self-supporting masts are the most versatile solution.



- » Kit to be assembled on site
- » Quick installation by one person
- » Hybrid cabinet mounting possible
- » Structural calculation report provided

WHERE?

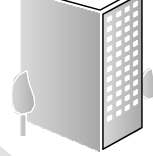
1>3



IIIa > IV



50m



WHY?

✓ 3 RRU/RRH + 1 hybrid enclosure

VN61973007336



- » Mast Ø90 H1500
- » 6 Elastomer pad base

MANY OTHER SUPPORTS AVAILABLE

To find the solution best suited to my equipment and requirements



CONTACT YOUR SALES REPRESENTATIVE

SUPPORTS RRU/RRH

MÂTS DE FIXATION

WHERE?

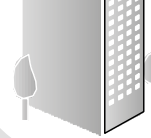
1 > 3



IIIb > IV



40m



WHY?

✓ 6 RRU/RRH + CH and DPX enclosures

VN61973001040



- » Mast Ø90 H1500
- » 4 Ballasts
- » RRU/RRH maximum height: 1400

✓ 4, 6 or 8 RRU/RRH

VN61973000996

» 4 RRU/RRH



- » Mast Ø90 H1200
- » 4 Ballasts
- » Maximum RRU/RRH height: 900

CHARACTERISTICS

151
KG

1200x1000

CHARACTERISTICS

160
KG

1200x800



Self-supporting masts are the most versatile solution.



- » Kit to be assembled on site
- » Quick installation by one person
- » Hybrid cabinet mounting possible
- » Structural calculation report provided

MANY OTHER SUPPORTS
AVAILABLE

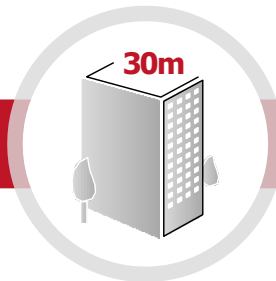


**CONTACT YOUR
SALES REPRESENTATIVE**

RRU/RRH SUPPORTS

MOUNTING MASTS

WHERE?



WHY?

6 RRU/RRH

VN61973001038

» 6 RRU/RRH + CH and DPX enclosures



- » Mast Ø90 H1500
- » 6 Ballasts
- » Maximum RRU/RRH height: 1400

4, 6 or 8 RRU/RRH

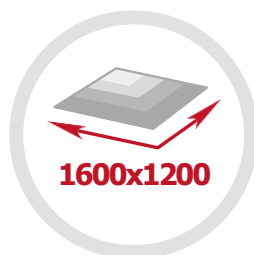
VN61973000997

» 4 RRU/RRH

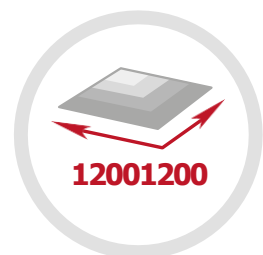


- » Mast Ø90 H1200
- » 6 Ballasts
- » Maximum RRU/RRH 900

CHARACTERISTICS



CHARACTERISTICS





Self-supporting masts are the most versatile solution.



- » Kit to be assembled on site
- » Quick installation by one person
- » Hybrid cabinet mounting possible
- » Structural calculation report provided

MANY OTHER SUPPORTS
AVAILABLE

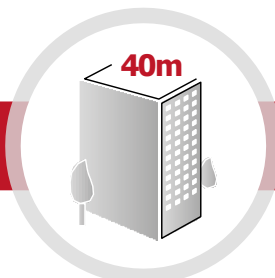


**CONTACT YOUR
SALES REPRESENTATIVE**

TD SUPPORTS

TD ENCLOSURES

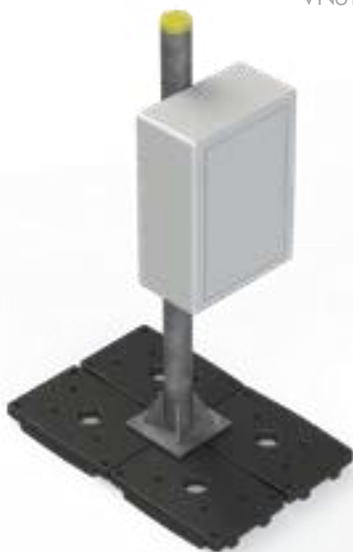
WHERE ?



WHY?

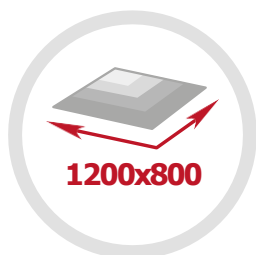
1 TD

VN61973001043⁽¹⁾
VN61973001044⁽²⁾



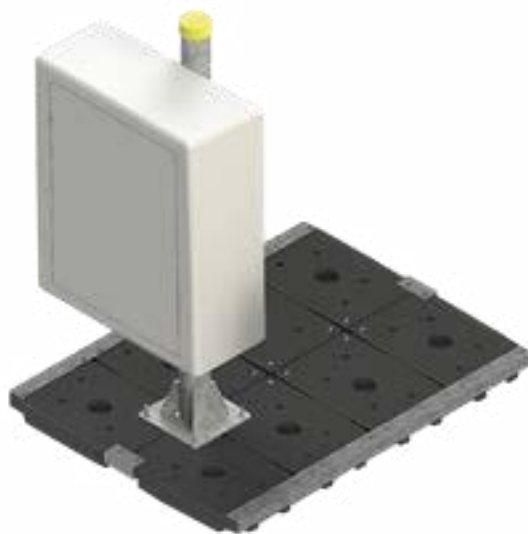
- » ⁽¹⁾ Mast Ø90 H1800
- or
- » ⁽²⁾ Mast Ø114 H2000
- » 4 Ballasts

CHARACTERISTICS



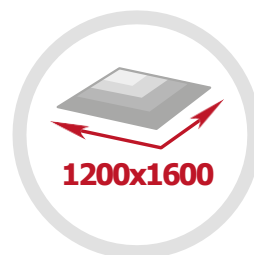
1 Maxi TD

VN61973006817



- » Mast Ø114 H2000
- » 8 Ballasts

CHARACTERISTICS

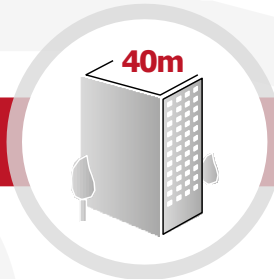




- » Kit to be assembled on site
- » Installation time: 10-15 minutes by one person
- » Structural calculation report provided



WHERE ?



WHY?

✓ 1 TD +1 Mini TD

VN61973000990



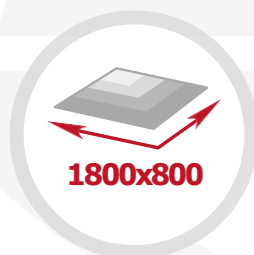
FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Mast Ø90 H1800
- and » Mast Ø90 H1200
- » 6 Ballasts

CHARACTERISTICS

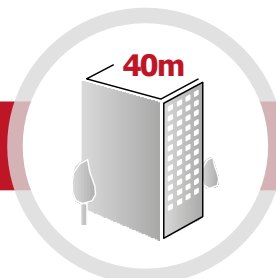


If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

TD SUPPORTS

TD ENCLOSURES

WHERE?



WHY?

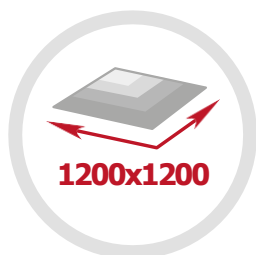
1 TD + 1 Mini TD

VN61973000991



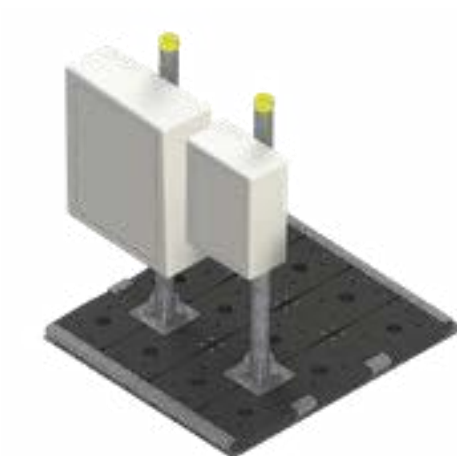
- » Mast Ø90 H1800
- and » Mast Ø90 H1200
- » 6 Ballasts

CHARACTERISTICS



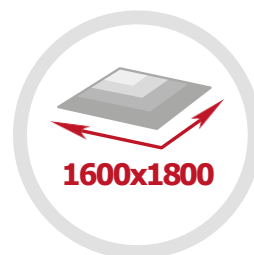
1 TD + 1 Maxi TD

VN61973006820



- » 2 Mast Ø114 H2000
- » 12 Ballasts

CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 10-15 minutes by one person
- » Structural calculation report provided



WHERE ?

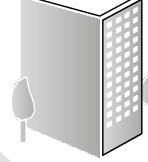
1 > 3



0 > IV



30m



WHY?

1 Mini TD

VN61973006819



- » Mast Ø90 H1200
- » 3 Ballasts

CHARACTERISTICS



1 TD

VN61973001045⁽¹⁾
VN61973001046⁽²⁾



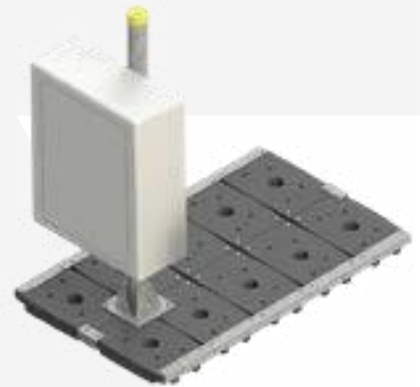
- » ⁽¹⁾ Mast Ø90 H1800
- or
- » ⁽²⁾ Mast Ø114 H2000
- » 6 Ballasts

CHARACTERISTICS



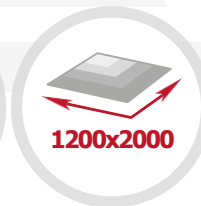
1 Maxi TD

VN61973006818



- » Mast Ø114 H2000
- » 10 Ballasts

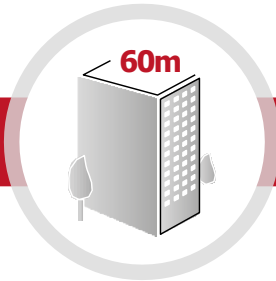
CHARACTERISTICS



SMART CITY

OMNIDIRECTIONAL ANTENNA

WHERE?



WHY?

✓ 1 Antenne Omni at 2m

VN61973002581



- » Mast Ø48 H2000
- » 2 Ballasts

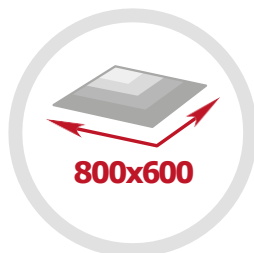
✓ 1 Antenne Omni at 3m

VN61973002575

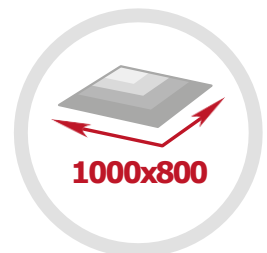


- » Mast Ø48 H3000
- » 3 Ballasts

CHARACTERISTICS



CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 10-20 minutes by one person
- » Structural calculation report provided



WHERE?

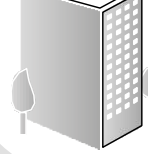
1 > 3



IIIb > IV



30m



WHY?

» 1 Omni antenna with offset arm of 1,5 to 3m

» 1 Omni antenna with offset arm of 2 to 4m

VN61973002586⁽¹⁾
VN61973002597⁽²⁾

VN61973001192

» 1.7m high clamp



» 1.7m high clamp



» Mast Ø48 H2000 + Tube Ø48 H2000
or
» Mast Ø48 H1500 + Tube Ø48 H2000
» 2 Ballasts

» Mast Ø48 H2000 + Tube Ø48 H3000
» 3 Ballasts

CHARACTERISTICS

79
KG

800x600

CHARACTERISTICS

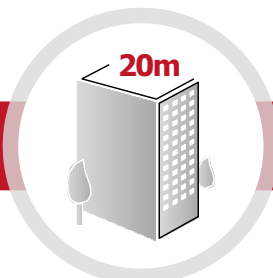
114
KG

1000x800

SMART CITY

INTERCONNECTION TERMINAL

WHERE?



WHY?

✓ 1 FH Ø140mm max

VN61973001024

✓ 1 FH Ø140mm max

VN61973001023



IIIb > IV

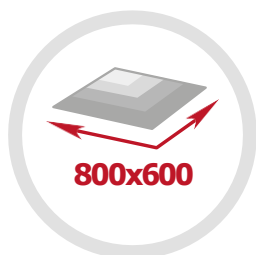
- » Mast Ø48 H1500
- » 2 Ballasts



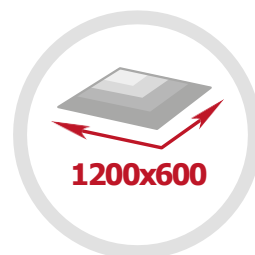
0 > IV

- » Mast Ø48 H1500
- » 3 Ballasts

CHARACTERISTICS



CHARACTERISTICS





- » **Kit to be assembled on site**
- » **Installation time: 10 minutes by one person**
- » **Structural calculation report provided**



FOR MORE
INFORMATION

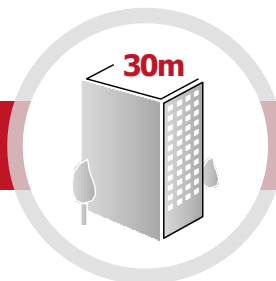
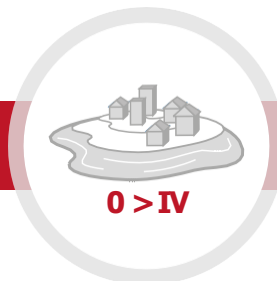


**CONTACT YOUR
SALES REPRESENTATIVE**

SMART CITY

GPS ANTENNA

WHERE ?



WHY

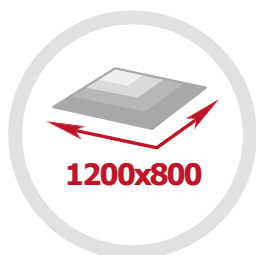
✓ 1 GPS Antenna

VN61973004839



- » Mast Ø48 H1500
- » 3 Ballasts

CHARACTERISTICS



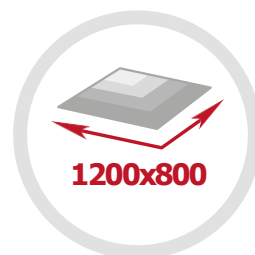
✓ 1 GPS Antenna

VN61973004840



- » Mast Ø48 H2000
- » 3 Ballasts

CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 15 minutes by one person
- » Structural calculation report provided



✓ 1 GPS Antenna

VN61973004841



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Mast Ø48 H2500
- » 4 Ballasts

CHARACTERISTICS

144
KG

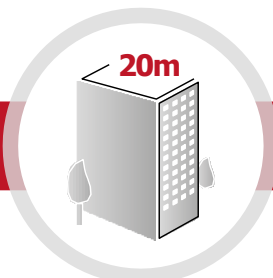
1200x1000

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

SMART CITY

VIDEO SURVEILLANCE

WHERE ?



WHY?

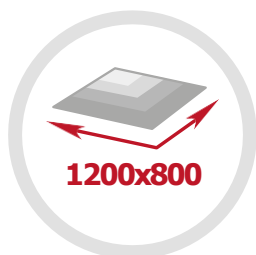
✓ 1 Camera

VN61973001007



- » Mast Ø90 H1500
- » Offset arm 1500
- » 4 Ballasts

CHARACTERISTICS



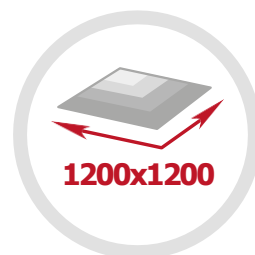
✓ 1 Camera

VN61973001006



- » Mast Ø90 H1500
- » Offset arm 1500
- » 6 Ballasts

CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 10 minutes by one person
- » Structural calculation report provided
- » Arm rotation for maintenance possible



OPTION

✓ Guardrail



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Aluminium guardrail
or
- » Composite guardrail

2

FIXED SOLUTIONS

GROUND FIXING

The products in this section are designed with **400 mm-high supports** for **waterproofing systems with a thickness of less than 200 mm**.

For greater heights, please contact a sales representative.



ANTENNA SUPPORTS

Non-integrated

66



EQUIPMENT RACK SUPPORTS

Technical zones and equipment rack supports
AMOD and NSN

68
72



RRU/RRH SUPPORTS

Mounting racks
Mounting masts

74
76



FH AND TD SUPPORTS

FH Support
TD Support

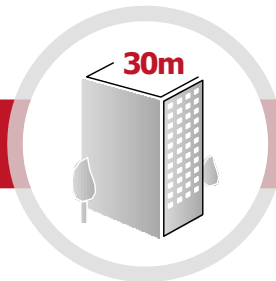
77
77

ANTENNA SUPPORTS



NON-INTEGRATED

WHERE?



WHY?

4G and/or 5G Antennas

VN61977007903

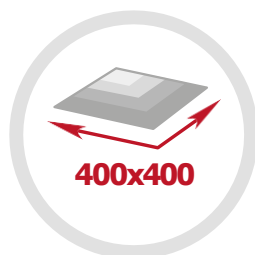
» Fixing with a Couliiss'up Evo*



- » Mast Ø114 H2000
- » 1 Support (to be waterproofed)

*Couliiss'up not included » [See p.94](#)

CHARACTERISTICS



4G and/or 5G Antennas

VN61977007905

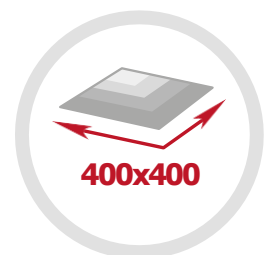
» Fixing with offset arms*



- » Mast Ø114 H4000
- » 1 Support (to be waterproofed)

*Offset arm not included » [See p.154](#)

CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 10 minutes by one person
- » Structural calculation report provided

WHERE?

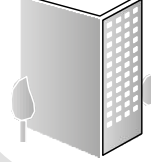
1 > 3



0 > IV



30m



WHY?

4G and/or 5G Antennas

VN61977007903

» Fixing with a Couliss'up Evo*



- » Mast Ø114 H2000
- » 3 supports (to be waterproofed)
- » Braces

*Couliss'up not included » [See p.94](#)

CHARACTERISTICS

172
KG

1300x1300

4G and/or 5G Antennas

VN61977007905

» Fixing with offset arms*



- » Mast Ø114 H4000
- » 1 support (to be waterproofed)
- » Braces

*Offset arm not included » [See p.154](#)

CHARACTERISTICS

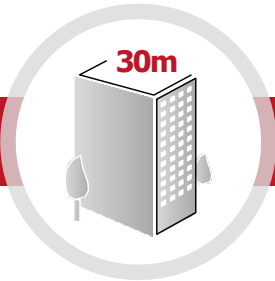
220
KG

1300x1300

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

WHERE ?



WHY?

2 BCUBE racks or 1 universal rack

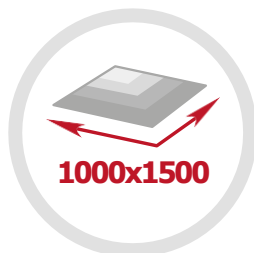
VN61973006780

2 Racks



- » Galvanized steel structure
- » 4 supports (to be waterproofed)
- » Grating

CHARACTERISTICS



4 BCUBE racks or 1 universal racks

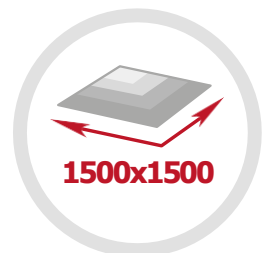
VN61973006781

4 Racks



- » Galvanized steel structure
- » 4 supports (to be waterproofed)
- » Grating

CHARACTERISTICS





- » Kit to be assembled on site
- » Installation time: 20-50 minutes by one person
- » Structural calculation report provided



FOR MORE
INFORMATION



**CONTACT YOUR
SALES REPRESENTATIVE**

» 6 BCUBE rack or universal racks

VN61973006782

» 6 Racks



- » Galvanized steel structure
- » 4 supports (to be waterproofed)
- » Grating

CHARACTERISTICS

270
KG

2300x1500

» 1 ETEK rack + 1 AMOD + 2 enclosures

VN48773008390



- » Galvanized steel structure
- » 4 supports (to be waterproofed)

CHARACTERISTICS

150
KG

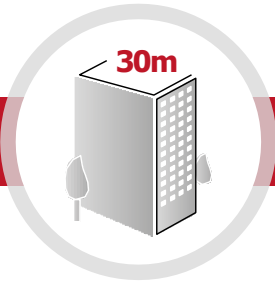
2800x1060

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORTS

WHERE ?



WHY?

1 Rack

»» CAB ONE

V00013-00000
V00014-00000⁽¹⁾



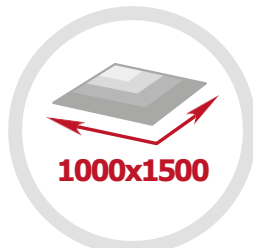
- » Galvanized steel structure
- » 4 supports (to be waterproofed)
- » Grating

⁽¹⁾ If combined with the mast option
(V00014-00000 + VN48775009755)

CHARACTERISTICS



⁽¹⁾ 285 kg



⁽¹⁾ 1500x1500

2 Side-by-side rack

»» CAB TWO H

V00014-00000
V00015-00000⁽¹⁾



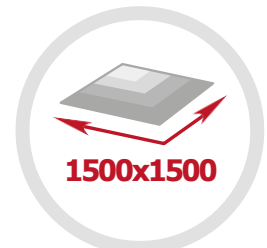
- » Galvanized steel structure
- » 4 supports (to be waterproofed)
- » Grating

⁽¹⁾ If combined with the mast option
(V00015-00000 + VN48775009755)

CHARACTERISTICS



⁽¹⁾ 307 kg



⁽¹⁾ 2300x1500



- » Kit to be assembled on site
- » Installation time: 20-50 minutes by one person
- » Structural calculation report provided



OPTIONS

2 stucked racks

V00013-00000
V00014-00000⁽¹⁾

CAB TWO V



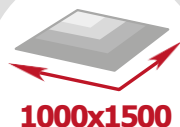
- » Galvanized steel structure
- » 4 supports (to be waterproofed)
- » Grating

⁽¹⁾ If combined with the mast option
(V00014-00000 + VN48775009755)

CARACTÉRISTIQUES



⁽¹⁾ 285 kg



⁽¹⁾ 1500x1500

Equipment support mast

VN48775009755



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS

AMOD AND NSN

WHERE ?

GROUND FIXING

WHY?

✓ 1 AMOD rack

OR

✓ 1 to 9 NSN equipment

VN48773007263



- » 1 galvanized steel support
- » 1 supply (to be waterproofed)

CHARACTERISTICS

50
KG

460x420



» Kit to be assembled on site

» Installation time: 5-10 minutes by one person

✓ 1 AMOD rack

OU

✓ 1 to 9 NSN equipment

VN61977008002



» 1 Support acier galvanisé

CARACTÉRISTIQUES

11
KG

460x420

POUR TOUTES
INFORMATIONS



**CONTACTER MON
CHARGÉ D'AFFAIRES**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

RRU/RRH SUPPORTS

MOUNTING RACKS

WHERE ?

INTERIOR

WHY?

✓ RRU/RRH – On one side only



- » Galvanized steel structure
- » Height-adjustable crossbeams
- » Cable tray

CHARACTERISTICS

MODEL	HEIGHT	WIDTH	WEIGHT	REFERENCE
A1	2200 mm	1200 mm	80 kg	VN61971004305
B1	2200 mm	600 mm	53 kg	VN61971004303
C1	1500 mm	1200 mm	49 kg	VN61971004304
D1	1500 mm	600 mm	35 kg	VN61971004302





Racks are a support system designed to make maximum use of available space, increasing equipment capacity.

- » Kit to be assembled on site
- » Quick installation by one person
- » Width designed to facilitate installation on raised floor tiles
- » Available from stock

FOR MORE INFORMATION



CONTACT YOUR SALES REPRESENTATIVE

WHY?

✓ RRU/RRH – On two sides



- » Galvanized steel structure
- » Front and rear crossbeams, height-adjustable
- » Cable tray
- » Access openings

CHARACTERISTICS

MODEL	HEIGHT	WIDTH	WEIGHT	REFERENCE
A2	2200 mm	1200 mm	142 kg	VN61971004309
B2	2200 mm	600 mm	88 kg	VN61971004307
C2	1500 mm	1200 mm	85 kg	VN61971004308
D2	1500 mm	600 mm	56 kg	VN61971004306



If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

RRU/RRH SUPPORTS

FOR MORE
INFORMATION



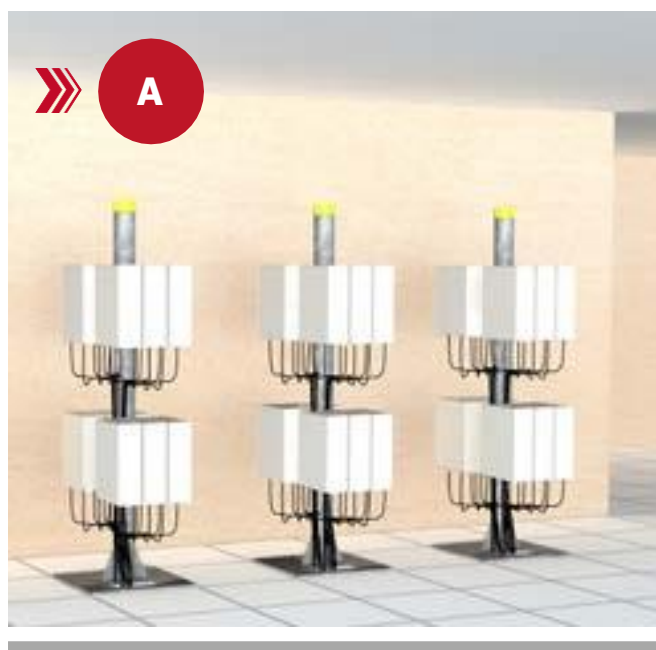
**CONTACT YOUR SALES
REPRESENTATIVE**

MOUNTING MASTS

WHERE? INTERIOR

WHY?

✓ 1 to 12 RRU/RRH



- » Mast $\varnothing 114$ H2000 mm
- » 600 × 600 mm ground fixing plate
- » Cable routing



» Width designed to facilitate installation
on raised floor tiles

CHARACTERISTICS

MODEL	HEIGHT	\varnothing MAST	WEIGHT	REFERENCE
A	2000 mm	114 mm	59 kg	VN61971004334

WHERE?

WHY?

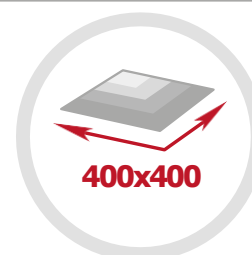
✓ 1 to 6 RRU/RRH

VN61977007276



- » Mast $\varnothing 90$ H1200
- » 1 Support (to be waterproofed)

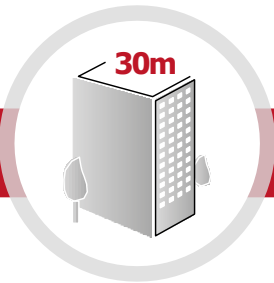
CHARACTERISTICS



FH AND TD SUPPORTS

FH SUPPORT

TD SUPPORT



WHY?

✓ 1 FH30 / 1 FH60

VN61971006822



- » Mast Ø114 H1600
- » 1 Support (to be waterproofed)

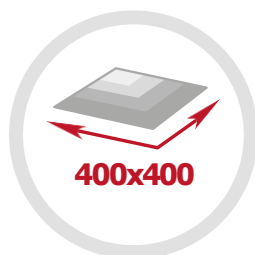
✓ 1 TD / 1 Mini TD / 1 Maxi TD

VN61977007272

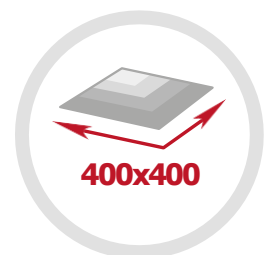


- » Mast Ø114 H2000
- » 11 Support (to be waterproofed)

CHARACTERISTICS



CHARACTERISTICS



If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

3

**WALL-MOUNTED
SOLUTIONS**

VERTICAL MOUNTING



» ANTENNA SUPPORTS

Parapet-mounted masts	80
Wall-mounted flag mast	81
Azimuth adjustments	82



» EQUIPMENT RACK SUPPORTS

Technical zones and equipment rack supports	83
AMOD and flexi NSN	86



» GPS ANTENNA SUPPORT

Wall-mounted GPS support	87
--------------------------	----

ANTENNA SUPPORTS

PARAPET-MOUNTED MASTS

WHERE ?

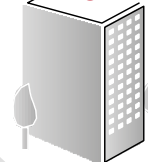
1>2



IIIb > IV



40m



WHY?

✓ 1 5G Antenna

VN61971003613



FOR MORE
INFORMATION

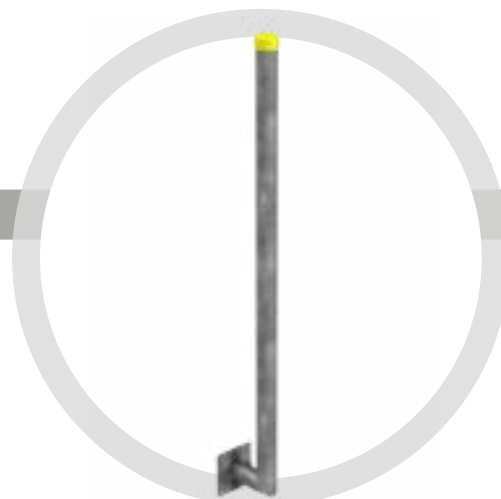


CONTACT YOUR SALES
REPRESENTATIVE

- » Mast Ø90 H2000
- » Offset arm 250 mm

CHARACTERISTICS

18
KG

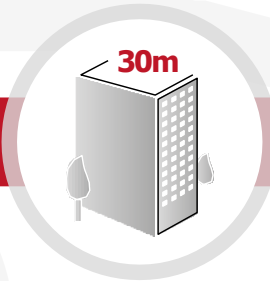
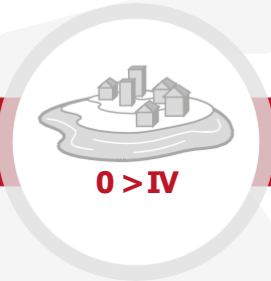




- » Kit to be assembled on site
- » Quick installation by one person
- » Structural calculation report provided

WALL-MOUNTED FLAG MAST

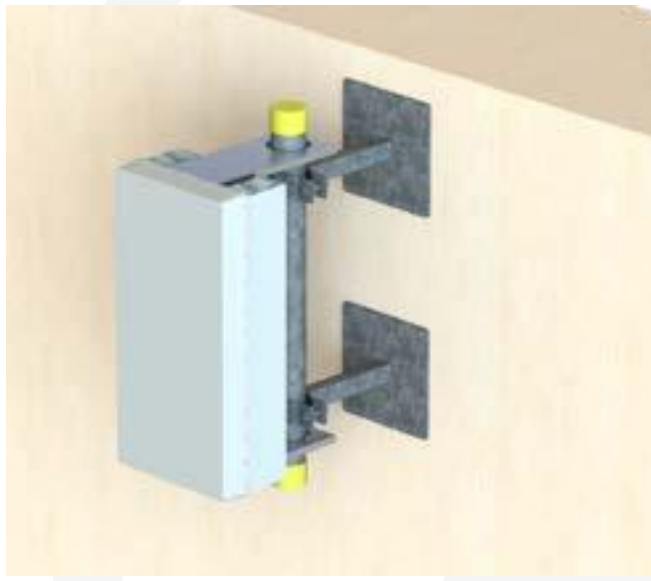
WHERE?



WHY?

✓ 1 5G Antenna

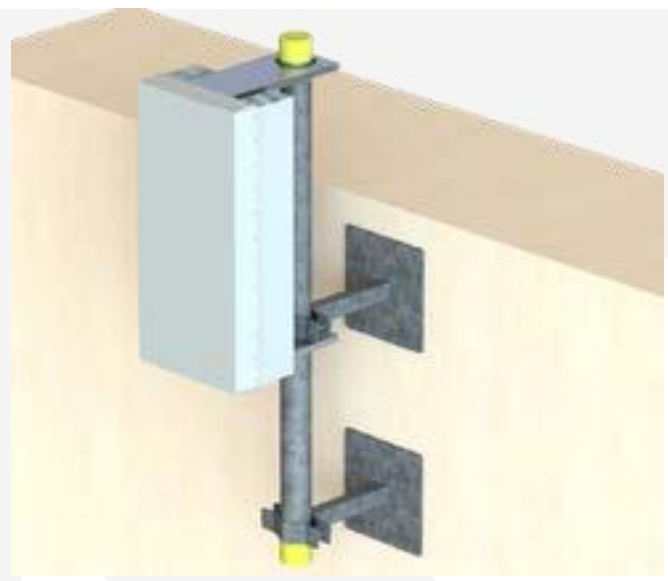
VN61971003653



- » Tube Ø90 H1000
- » 2 offset arms 300 mm
- » Base plate 300x300 mm

✓ 1 5G Antenna

VN61971003654



- » Tube Ø90 H1500
- » 2 offset arms 300 mm
- » Base plate 300x300 mm

MORE PRODUCTS AVAILABLE

All BCUBE rack supports in the self-supporting range are also available in a version designed to be fixed to the slab.



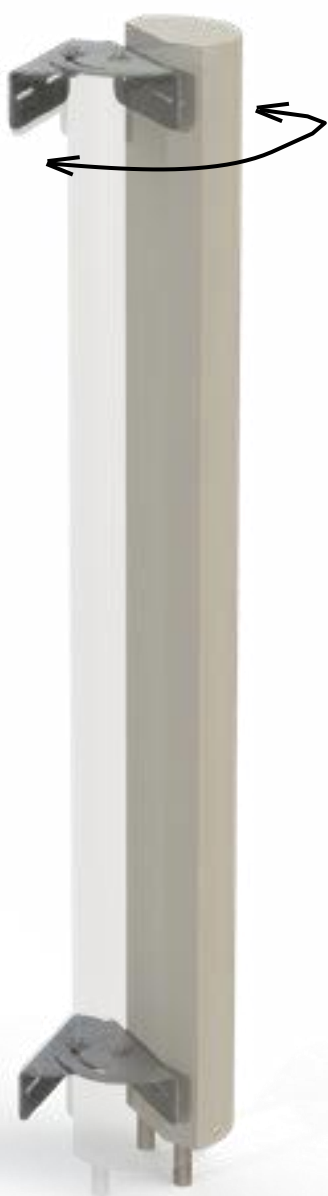
**CONTACT YOUR
SALES REPRESENTATIVE**

ANTENNA SUPPORTS

AZIMUTH ADJUSTMENT



The system allows azimuth adjustment from 0° to 190°



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

 Operating principle

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT RACK SUPPORT

WHERE ?

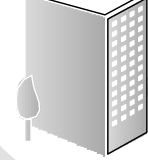
1 > 3



II > IV



30m



WHY?

✓ 2 Racks (1100x900x1800 maxi)

VN61971008011

» 2 Racks



» Galvanized steel structure



- » Kit to be assembled on site
- » Quick installation by one person
- » Structural calculation report provided

CHARACTERISTICS

132
KG

2380x860

FOR MORE
INFORMATION



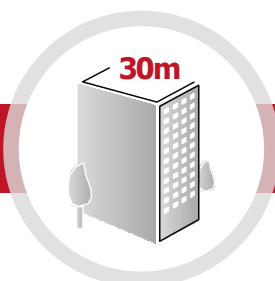
CONTACT YOUR SALES
REPRESENTATIVE

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

SUPPORTS DE BAIES

ZONES TECHNIQUES ET SUPPORTS DE BAIES

OÙ ?



POUR QUOI ?

✓ 1 Baie (1100x900x1800 maxi)

VN61971008010

» 1 Baie



» Structure acier galvanisé

✓ 2 Baies BCUBE

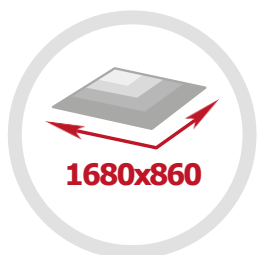
VN61971000987

» 2 Baies

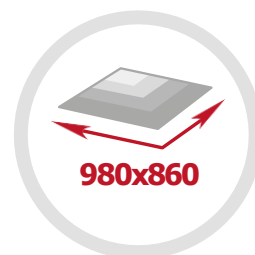


» Structure acier galvanisé

CARACTÉRISTIQUES



CARACTÉRISTIQUES





- » Kit to be assembled on site
- » Quick installation by one person
- » Structural calculation report provided



FOR MORE
INFORMATION



**CONTACT YOUR
SALES REPRESENTATIVE**

» 4 BCUBE racks

VN61971001187

» 4 racks



» Galvanized steel structure

» 6 BCUBE racks

VN61971001200

» 6 racks



» Galvanized steel structure

CHARACTERISTICS



CHARACTERISTICS



If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

EQUIPMENT RACK SUPPORTS



AMOD AND FLEXI NSN

WHERE?

WALL-MOUNTED FIXING

WHY?

✓ 1 to 9 NSN equipment

OU

✓ 1 AMOD rack

VN61973007895

» NSN racks parallel to the wall



» AMOD rack parallel to the wall



CHARACTERISTICS



» **250 kg vertical load**
» Rack installation relative to the wall at 0°, 90°, or 180°.

» Manually portable
» Supplied flat for easy transport
» In stock

GPS ANTENNA SUPPORT

WALL-MOUNTED GPS SUPPORT

WHERE?

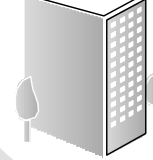
1 > 3



0 > IV



30m



WHY?

✓ 1 GPS antenna

VN61973004843



» Quick installation by 1 person

» Structural calculation report supplied

- » Mât Ø48 H1000
- » Platine 200x200 mm

CARACTÉRISTIQUES



KG

POUR TOUTES
INFORMATIONS



CONTACTER MON
CHARGÉ D'AFFAIRES

4

GROUND-LEVEL ACCESS AND MAINTENANCE

SOLUTIONS DESIGNED FOR YOUR SAFETY



» ANTENNA OFFSET ARMS

Dean Evo	90
CE Marking	93
Couliiss'Up	94
Switch'Up	96



» SLIDING MASTS

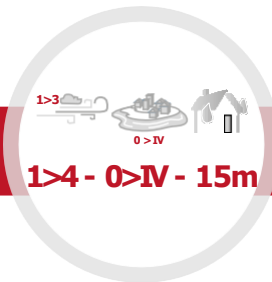
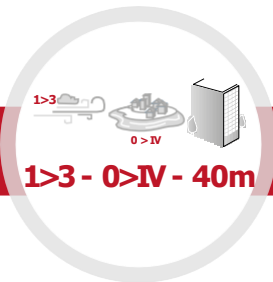
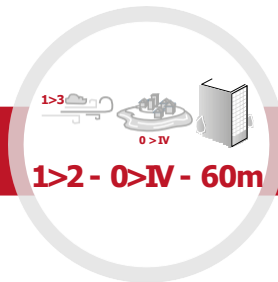
T5g sliding mast	98
Mât-Hiss	99
Mât-Hias	100

» SOLUTION COMPARISON

ANTENNA OFFSET ARMS

DEAN EVO

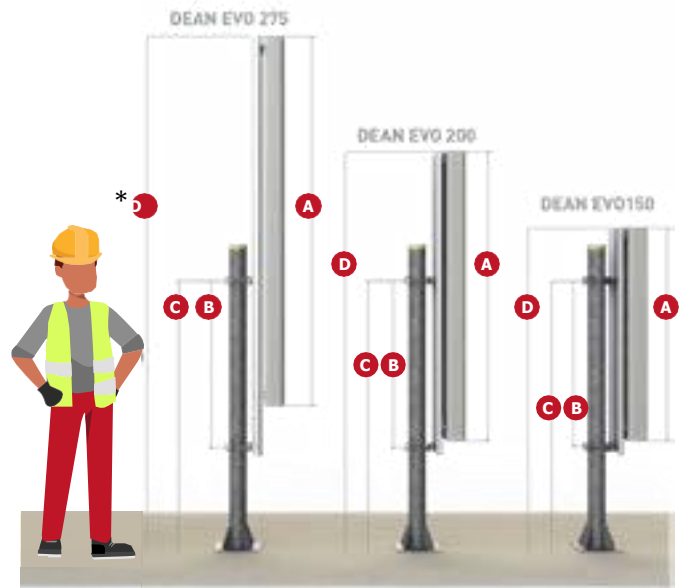
WHERE?



WHY?

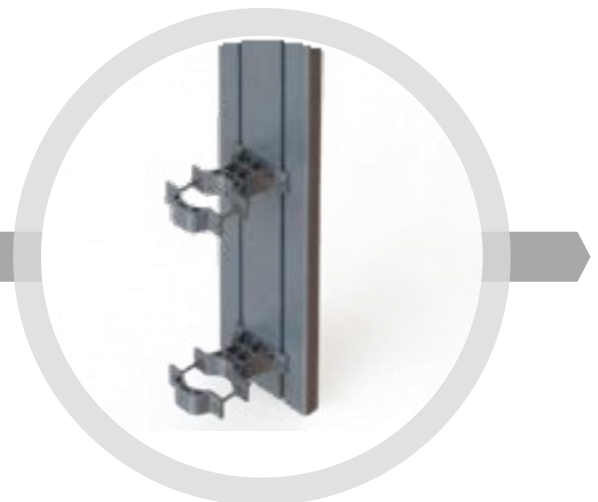
✓ 4G Antenna or 5G Antenna

» Mast Mounting



- » 1 aluminium profile
- » 2 clamps: mounting on masts Ø60 to Ø114
- » 2 U-shaped plates: universal antenna interface
- » 1 safety kit

MODEL	HEIGHT	WEIGHT	REFERENCE
DEAN EVO 275	2750 mm	25 kg	VN14195004948
DEAN EVO 200	2000 mm	20 kg	VN14195004949
DEAN EVO 150	1500 mm	16 kg	VN14195004950



✓ Extruded aluminium clamp



The antenna offset system provides ground-level access to equipment. It facilitates installation and maintenance using collective safety measures, without the need for a crane or ladder.

The DEAN Evo range is designed for ground-level maintenance of 4G antennas.

- » 3 types of clamps
- » Ultra-simple adjustments
- » Very easy to handle
- » Supplied pre-assembled
- » Available from stock



Clamps : TCB - DCB - PCB

CHARACTERISTICS : DEAN EVO - DCB

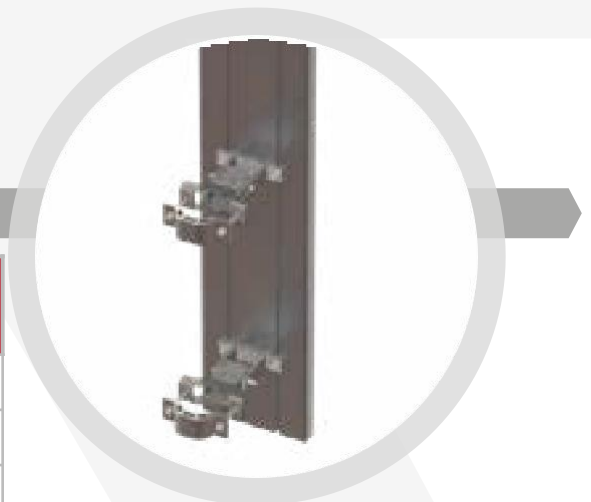
MODEL	HEIGHT	WEIGHT	REFERENCE
DEAN EVO 275	2750 mm	27 kg	VN14195004945
DEAN EVO 200	2000 mm	22 kg	VN14195004946
DEAN EVO 150	1500 mm	18 kg	VN14195004947



Long offset arm

CARACTÉRISTIQUES : DEAN EVO - PCB

MODÈLE	HAUTEUR	POIDS	RÉFÉREN	CE
DEAN EVO 275	2750 mm	29 Kg	VN141950	04942
DEAN EVO 200	2000 mm	23 Kg	VN141950	04943
DEAN EVO 150	1500 mm	19 Kg	VN141950	04944



Rattrapage du fruit jusqu'à 5°

* MODÈLE	A HAUTEUR ANTENNE	B ENTRAXE BRIDE	C HAUTEUR BRIDE HAUTE	D HAUTEUR HAUTE DE L'ANTENNE
DEAN EVO 275	2750 mm MAXIMUM	500 mm MINIMUM	1800 mm	4000 mm
DEAN EVO 200	2000 mm MAXIMUM	500 mm MINIMUM	1800 mm	3250 mm
DEAN EVO 150	1500 mm MAXIMUM	500 mm MINIMUM	1800 mm	2750 mm

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.



CE MARKING

A GUARANTEE OF TRUST AND SAFETY

The following products* in the section **SOLUTIONS FOR GROUND-LEVEL ACCESS AND MAINTENANCE** bear the **CE marking**, a European regulatory requirement that certifies their compliance with applicable safety, health, and performance standards.

This marking is far more than a simple label: it represents a genuine commitment to our customers and to the users of our products.

Thanks to the CE marking, we guarantee you:

- **Compliance with the most stringent European standards**, ensuring reliable and safe products.
- **Protection for users and maintenance teams**, by reducing risks associated with everyday use.
- **Transparency and traceability**, as each product undergoes rigorous checks before being placed on the market.
- **International recognition**, making it easier to integrate our solutions into your projects throughout Europe.

By choosing our CE-marked products, you benefit from the peace of mind that comes with compliant, tested, and recognized equipment—designed to combine performance, safety, and durability.

Thank you for sharing with us the commitment to safety and European compliance!

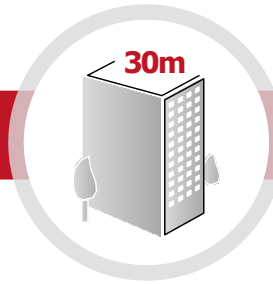


**le Mât-Hias est en cours de contrôle pour garantir prochainement sa pleine conformité aux normes européennes. In'a pas encore aujourd'hui le marquage CE.*

ANTENNA OFFSET ARMS

COULISS'UP EVO

WHERE ?

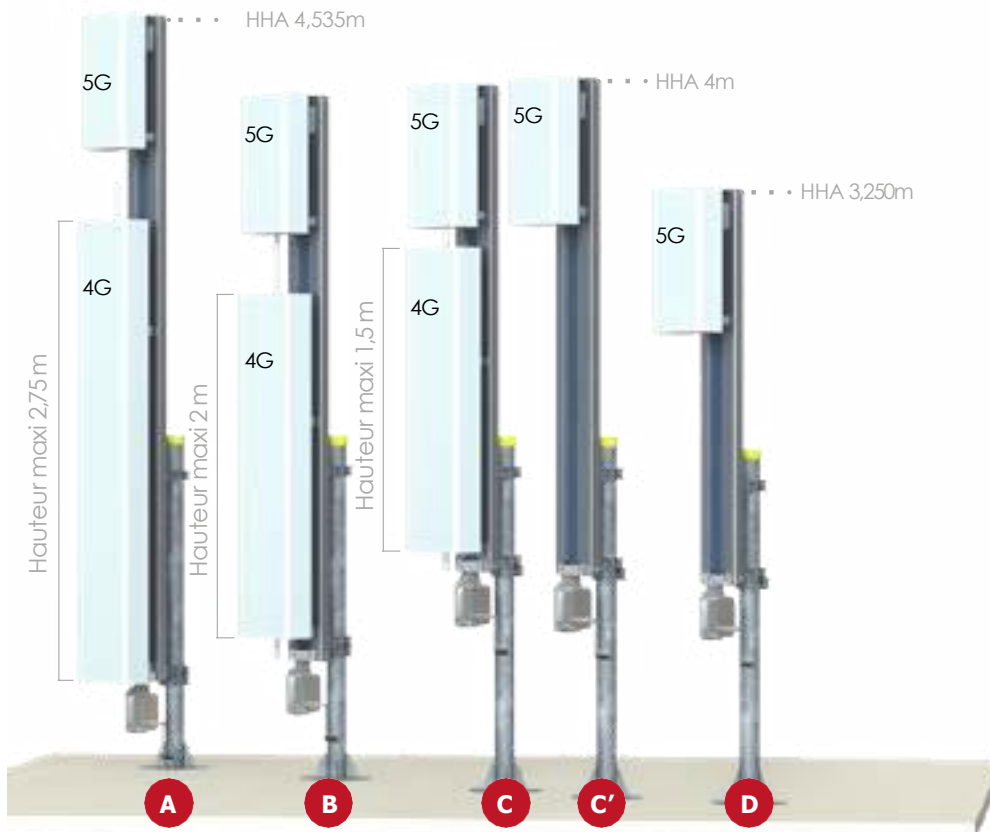


WHY?

✓ 4G Antenna and/or 5G Antenna



» Mast Mounting



CHARACTERISTICS : SLIDING SYSTEM

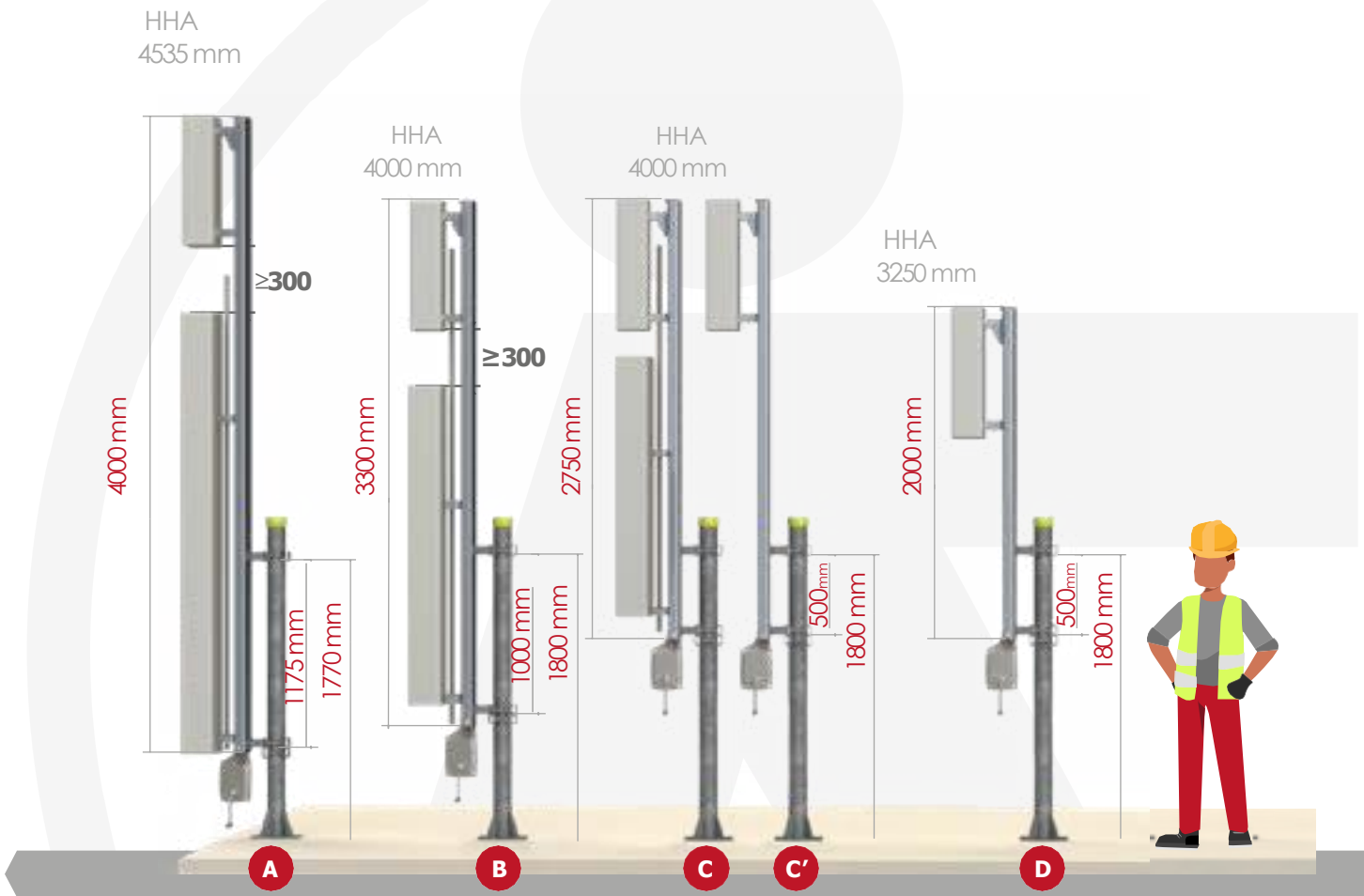
MODEL	HEIGHT	WEIGHT	4G	4G+5G	5G	HHA 5G
A	4000 mm	69 kg	X	✓	✓	4535 mm
B	3300 mm	63 kg	X	✓	✓	4000 mm
C	2750 mm	53 kg	X	✓	✓	4000 mm
C'	2750 mm	53 kg	X	X	✓	4000 mm
D	2000 mm	46 Kg	X	X	✓	3250 mm



The antenna offset system provides ground-level access to equipment. It facilitates installation and maintenance using collective safety measures, without the need for a crane or ladder.

The Couliss'Up Evo range is designed for ground-level maintenance of 5G antennas. It allows the installation of both 4G and 5G antennas.

- » Antenna installation facilitated by the use of a winch
- » Positioning clamp and locking system
- » Supplied assembled
- » Available from stock



CHARACTERISTICS

MODEL	HEIGHT	REFERENCE FOR MAST Ø114	REFERENCE FOR MAST Ø139
A	4000 mm	VN14210004269	VN14210006171
B	3300 mm	VN14210004270	VN14210006170
C	2750 mm	VN14210005194	VN14210006169
C'	2750 mm	VN14210004271	VN14210006168
D	2000 mm	VN14210004272	VN14210006167

VARIOUS ANTENNA MOUNTING OPTIONS AVAILABLE

Learn more about how the Couliss'Up Evo sliding antenna offset system works

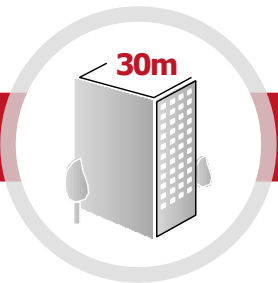


CONTACT YOUR SALES REPRESENTATIVE

ANTENNA OFFSET ARMS

SWITCH'UP

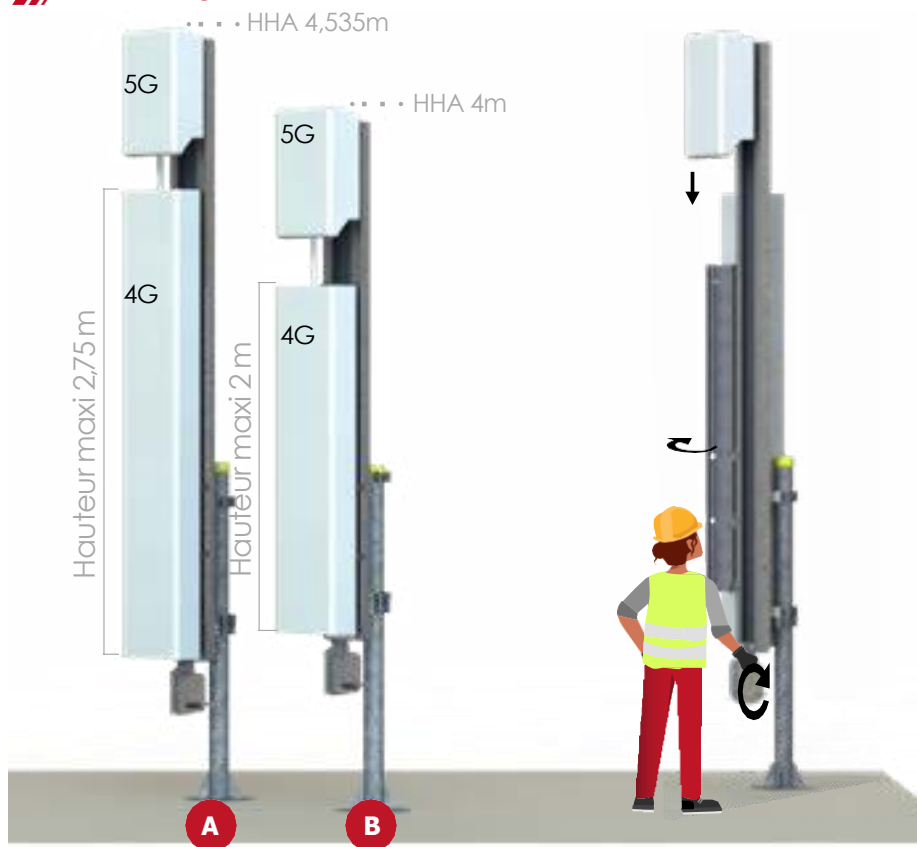
WHERE?



WHY?

✓ 4G antenna and /or 5G antenna

» Mounting mast



CHARACTERISTICS : SLIDING SYSTEM AND PIVOTING DOOR

MODEL	HEIGHT	WEIGHT	4G	4G+5G	5G	HHA 5G
A	3700 mm	86 kg	X	✓	X	4535 mm
B	3000 mm	80 kg	X	✓	X	4000 mm

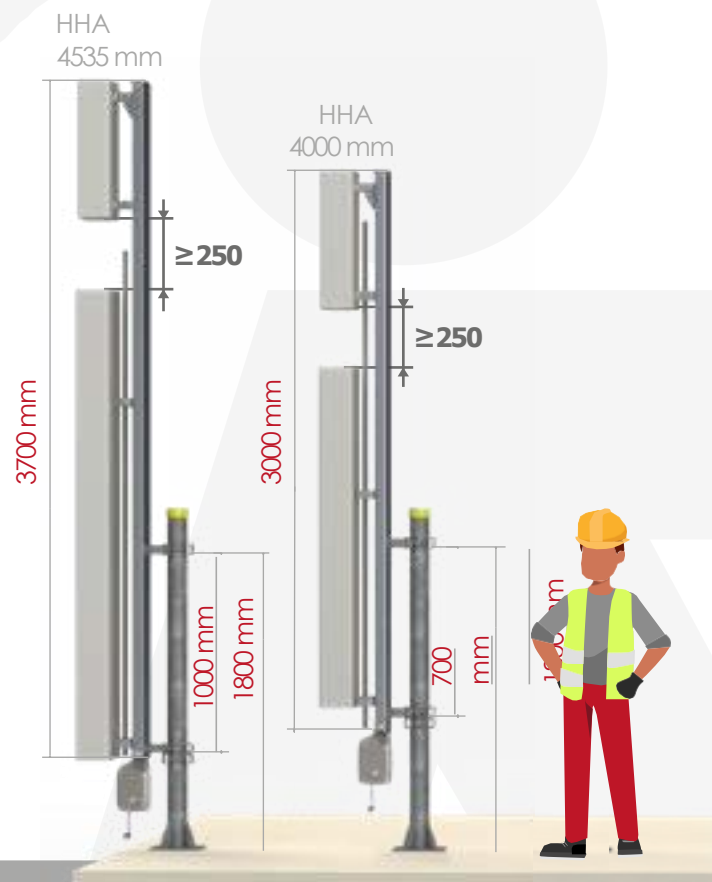




The antenna offset system provides ground-level access to equipment. It facilitates installation and maintenance using collective safety measures, without the need for a crane or ladder.

The Switch'Up range is designed for ground-level maintenance of 4G and 5G antennas. The pivoting door allows access to the 5G antenna without removing the 4G antenna.

- » Antenna installation facilitated by the use of a winch
- » High-antenna maintenance facilitated by the swing door
- » Positioning clamp and locking system
- » Available from stock



VARIOUS ANTENNA MOUNTING OPTIONS AVAILABLE

Learn more about how the
Switch'Up sliding antenna offset
system works



**CONTACT YOUR SALES
REPRESENTATIVE**

SLIDING MASTS

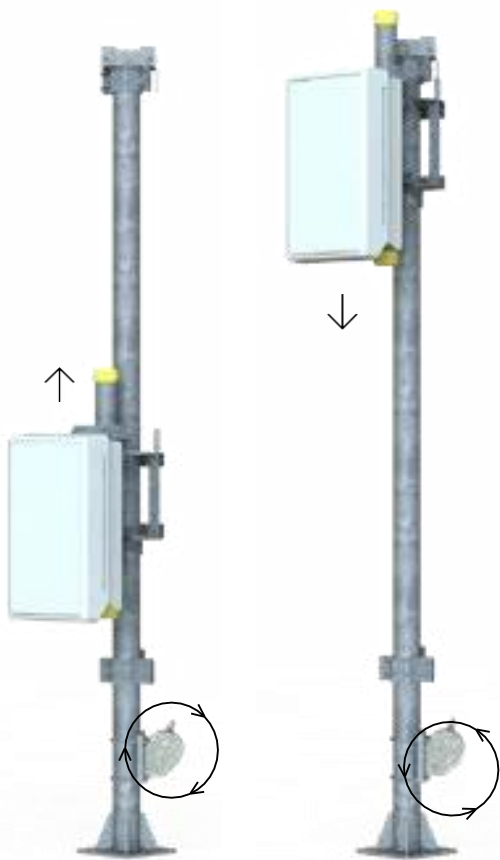
SLIDING 5G

WHY?

✓ 5G Antenna

VN14211009661

» Operating principle



- » Secure ground-level maintenance
- » Mechanical fall-arrest system
- » Configurable according to site conditions
- » Can be installed on an existing on-site mast



FOR MORE
INFORMATION



CONTACT YOUR SALES
REPRESENTATIVE



» Trolley Ø114

OPTIONS



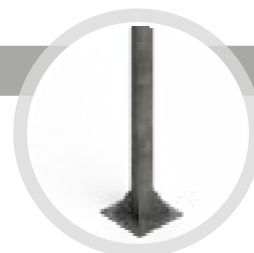
V-shaped winch
offset
VN14211009704



L-shaped winch
offset
VN14211009703



Azimuth alignment
template
(more info at page 135)
V00068-00000



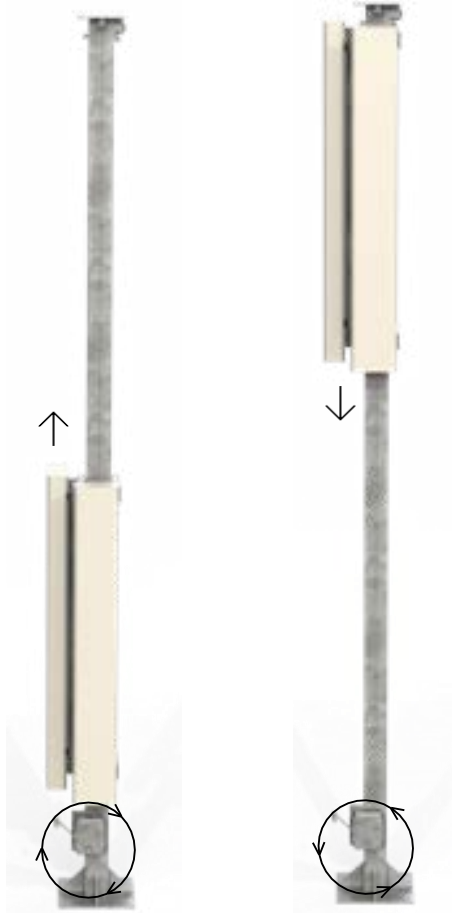
Mast Ø114
(not included)

MÂT-HISS

WHY?

✓ 4G Antenna

»» Operating principle



- » Secure ground-level maintenance
- » Cable-based fall-arrest system
- » Configurable according to requirements
- » Load transfer to a chimney

FOR MORE
INFORMATION



CONTACT YOUR SALES
REPRESENTATIVE



- » Section 120x120^{or}
- » Section 150x150^{or} »
- Section 200x200

HOIST TROLLEY OPTION



If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

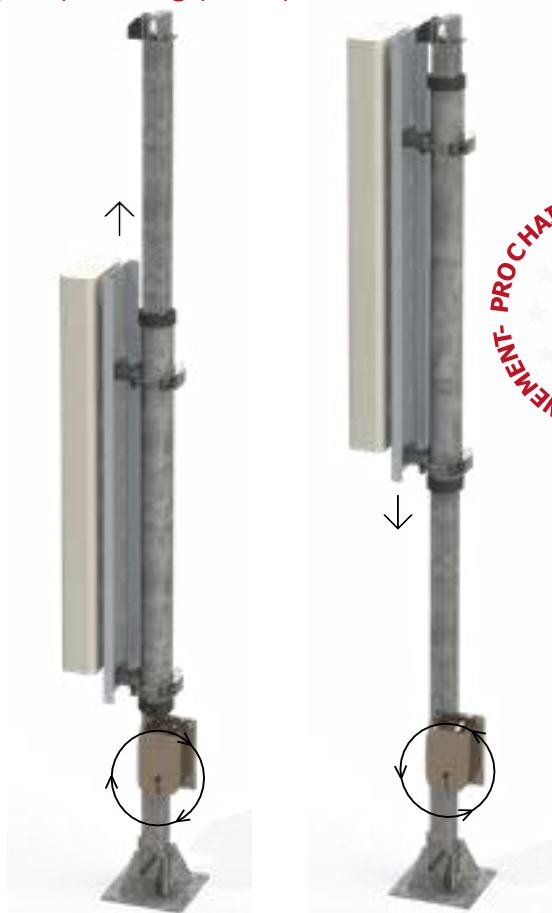
SLIDING MASTS

MÂT-HIAS

WHY?

✓ 4G Antenna

» Operating principle



- » Secure ground-level maintenance
- » Fall-arrest system
- » Configurable according to site conditions

The Mât-Hias is currently undergoing inspection to soon ensure full compliance with European standards. It does not yet carry the CE marking.

FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**







- » Section 80x80
- » Trolley Ø114
- or » Trolley Ø139

HOIST TROLLEY OPTION





SOLUTION COMPARISON

	CE	SLIDING	MOUNTING	EQUIPMENT	HHA
DEAN 	X	X Simple and cost-effective system	On existing mast height > 2 m Adjustable clamp system Ø60 to Ø114 3 types of clamps - Standard - Long offset - Tilt adjustment Positioning clamp Easy azimuth adjustment	1 antenna maximum (4G or 5G) Not suitable for FH equipment	Up to 4 m maximum To allow ground-level maintenance of antennas
Couliiss'up Evo 	✓	✓ Inverted winch option	On existing mast height > 2 m Adjustable clamp system Ø60 to Ø114 Positioning clamp Easy azimuth adjustment	2 antennas (5G + 4G) or 1 5G antenna only 4G antenna must be removed to access the 5G antenna Not suitable for FH equipment	Up to 4,5m maximum To allow ground-level maintenance of antennas
Switch'up 	✓	✓ Inverted winch option	On existing mast height > 2 m Adjustable clamp system Ø60 to Ø114 Positioning clamp Easy azimuth adjustment	2 antennas (5G+4G) Maintenance of the upper or lower antenna without having to dismantle the entire assembly Not suitable for FH equipment	Up to 4,5m maximum To allow ground-level maintenance of antennas
Couliissant 5G 	✓	✓ Sliding system <1000 € Offset winch options	On mast Ø114 Compatible with existing mast (tubular mast Ø114 only) Antenna azimuth alignment template option	1 5G antenna maximum Not suitable for 4G antennas Not suitable for FH equipment	Up to 4m maximum To allow ground-level maintenance of antennas
Mât-Hiss 	✓	✓ Offset winch options	At ground level Possible load transfer to the chimney at the top of the mast	Up to 6 antennas (4G or 5G) Can accommodate up to 3 sectors Not suitable for FH equipment	Optimized for roof penetrations To allow ground-level maintenance of antennas
Mât-Hias 	X	✓ Offset winch options	At ground level	1 antenna maximum (4G or 5G) Not suitable for FH equipment	Up to 4m maximum To allow ground-level maintenance of antennas

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

5

**CONCEALMENT
SOLUTIONS**

FOR MINIMAL VISUAL IMPACT



CHIMNEYS

FIMO Chimney
Free-standing option
Fixed option

104
106
107



SHRUBS

Dwarf palm
Greenline / Foliage kit
Conifers
Landscape hedge
Landscape privacy screen

108
110
112
113
113

CHIMNEYS

FIMO CHIMNEY

COMPOSITION



Cover



Radio-transparent structure

Finition Lisse, Résiné sablé ou Briques

Access door

Pre-assembled lower load-transfer frame



» HHA 4000 mm maximum

» RAL colour of your choice

FREE-STANDING OTIONS



FIXED OPTIONS







La cheminée Fimo est standardisée pour au choix, se fixer sur la dalle via 4 pieds d'ancrage ou se poser sur le toit terrasse via un châssis autostable.


- » Chapeaux au choix
- » Finitions au choix
- » Sections standards disponibles de 800x800 à 1600x1600 mm (HHA 4m)
- » Option gabarit de pose avec l'option fixe
- » Options Garde-corps et Caillebotis avec l'option autostable
- » Options Support RRU/RRH et Support AMOB avec l'option autostable

CHARACTERISTICS

SECTIONS	DIMENSIONS (mm)
 Squared	800x800
	900x900
	1000x1000
	1100x1100
	1200x1200
	1300x1300
	1400x1400
	1500x1500
	1600x1600

SECTIONS	DIAMETER (mm)
 Round	On request


Height on request

SECTIONS	DIMENSIONS (mm)							
 Rectangular	800x900							
	800x1000	900x1000						
	800x1100	900x1100	1000x1100					
	800x1200	900x1200	1000x1200	1100x1200				
	800x1300	900x1300	1000x1300	1100x1300	1200x1300			
	800x1400	900x1400	1000x1400	1100x1400	1200x1400	1300x1400		
	800x1500	900x1500	1000x1500	1100x1500	1200x1500	1300x1500	1400x1500	
	800x1600	900x1600	1000x1600	1100x1600	1200x1600	1300x1600	1400x1600	1500x1600

For any other specific dimensions

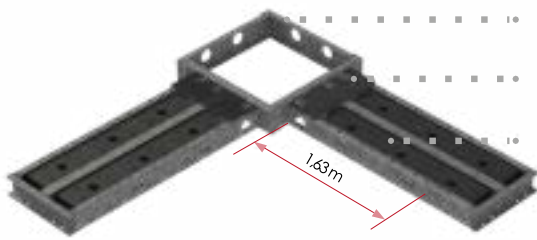
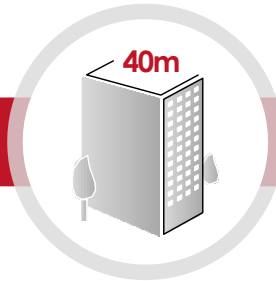


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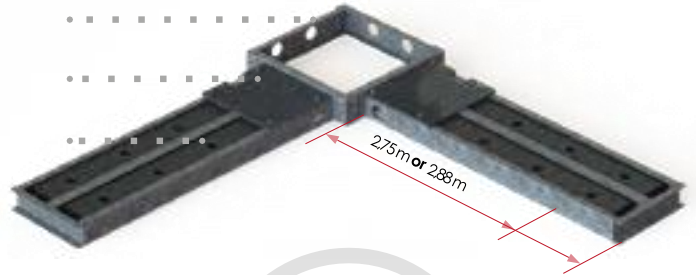
CHIMNEYS

FREE-STANDING OPTIONS

WHERE?



Base
Grating
Ballasts



- » Kit to be assembled on site or pre-assembly option
- » Manually portable chassis



MODEL	OPTION
A	Guardrail
B	Grating
C	RRU/RRH support
D	AMOB support

FIXED OPTION

WHERE? DEPENDING ON THE SECTIONS



..... Coping

..... Foot for slab anchoring⁽¹⁾

⁽¹⁾ Anchors not supplied; see recommendations in the calculation report.

INSTALLATION TEMPLATE OPTION



CONSIDER THE FIT-OUTS INSIDE THE CHIMNEY



[See more](#)

To find the configuration that perfectly meets my needs



CONTACT YOUR SALES REPRESENTATION

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

SHRUBS

DWARF PALM



WHY CHOOSE FIMO'S DWARF PALM?

- » Simple and quick integration
- » Components are manually portable
- » The structure can be painted in the colour of your choice
- » Custom configuration

EXAMPLES OF APPLICATIONS



✓ Your antennas are firmly anchored on solid foundations



Reliability and durability

- » Over 20 years of expertise in telecom integration
- » UV-treated materials for excellent long-term durability



Adaptable aesthetics

- » Natural and realistic appearance, even in motion



Guaranteed performance

- » Exceptional radio transparency, with no signal loss
- » Compatible with all types of telecom infrastructure
- » Available in multiple sizes to suit all configurations



Logistical flexibility

- » Supplied pre-assembled or as a kit, with installation possible on existing sites
- » Easy integration of accessories: rack screens, site cladding, etc.

IDEAL SOLUTIONS FOR COMBINING NETWORK PERFORMANCE WITH ARCHITECTURAL DISCRETION AND LOCAL ACCEPTANCE.

CONTACT US FOR A CONFIGURATION STUDY OR A CUSTOM QUOTATION

SHRUBS

GREENLINE / FOLIAGEKIT

- ✓ **The ideal solution for combining network coverage with respect for the visual environment**

Integrate your antennas, reveal the landscape

FIMO shrubs are designed to seamlessly integrate your telecom antennas into urban or natural environments, without compromising signal quality.

Their natural-looking foliage, gently moving in the wind, ensures an elegant and realistic landscape integration.



WHY CHOOSE FIMO'S FOLIAGE KIT ?

- » **Successful landscape discretion: realistic and harmonious foliage**
- » **Negligible radio performance loss: optimized transparency**
- » **Proven reliability: 20+ years of experience, maximum durability**
- » **Customizable aesthetics: multiple foliage types and size options**
- » **Installation flexibility: supplied as a kit or pre-assembled, on new or existing sites**
- » **Complete solution: accessories, cladding, decorative shrubs**

EXAMPLES OF APPLICATIONS



✓ Your antennas are firmly anchored on solid foundations



Reliability and durability

- » Over 20 years of expertise in telecom integration
- » UV-treated materials for excellent long-term durability



Adaptable aesthetics

- » Different foliage types available, depending on the installation environment
- » Natural and realistic appearance, even in motion
- » Option to add decorative shrubs without antennas to enhance and beautify the site



Guaranteed performance

- » Very good radio transparency, with negligible signal loss
- » Compatible with all types of telecom infrastructure
- » Available in multiple sizes to suit all configurations



Logistical flexibility

- » Supplied pre-assembled or as a kit, with installation possible on existing sites
- » Easy integration of accessories: rack screens, site cladding, etc.

IDEAL SOLUTIONS FOR COMBINING NETWORK PERFORMANCE WITH ARCHITECTURAL DISCRETION AND LOCAL ACCEPTANCE.

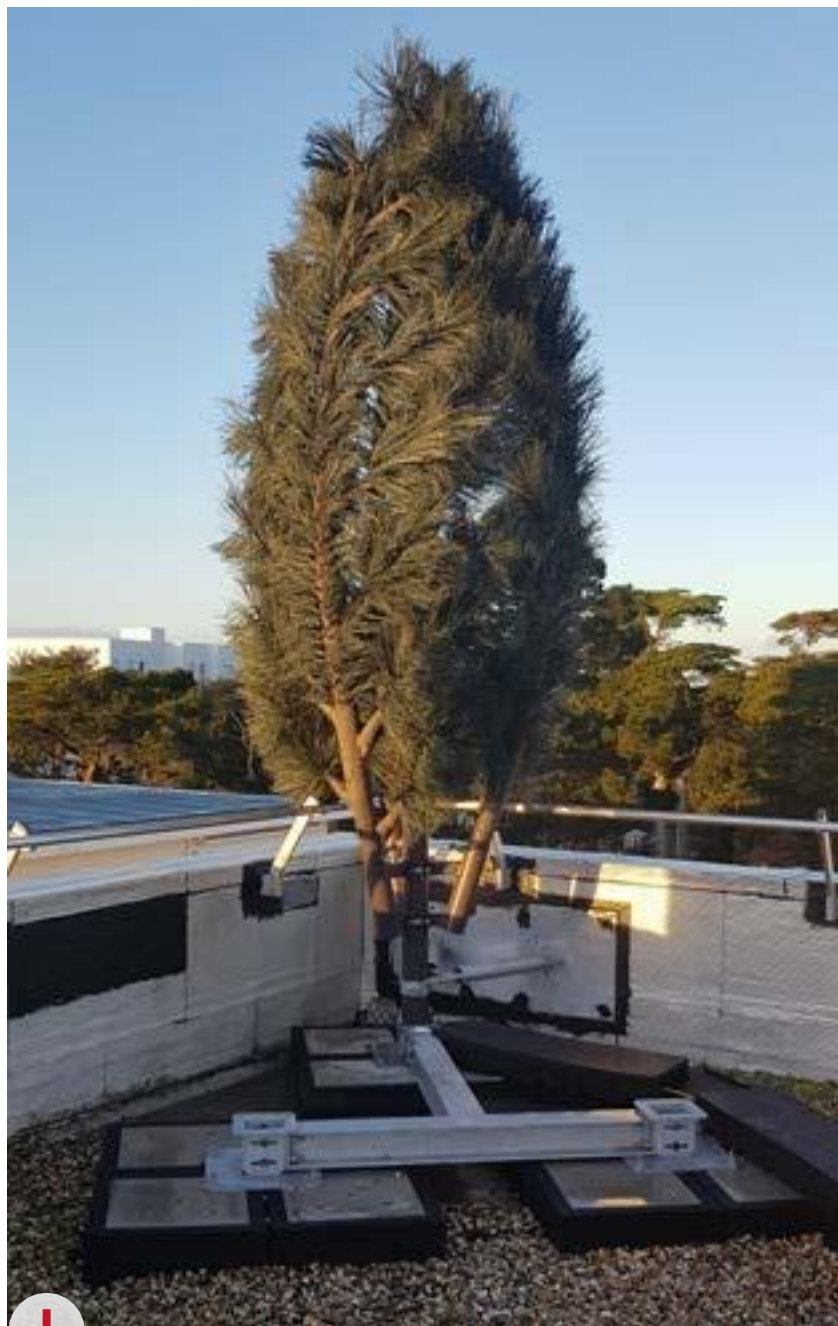
FOR A CONFIGURATION STUDY OR A CUSTOM QUOTATION



CONTACT YOUR
SALES
REPRESENTATIVE

SHRUBS

CONIFERS

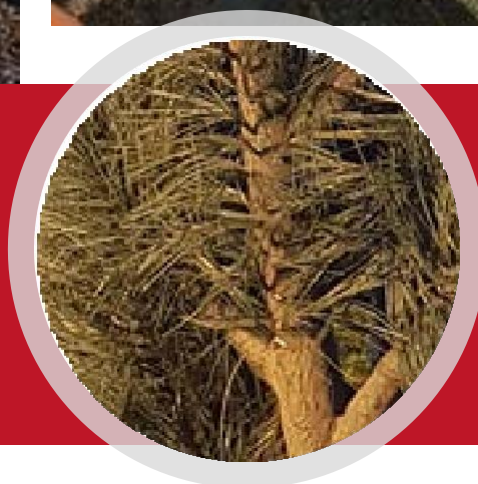


EXAMPLES OF APPLICATIONS



WHY CHOOSE FIMO'S CONIFERS ?

- » Simple and quick installation
- » Wind tunnel tested at 223 km/h
- » Easy maintenance
- » Custom configuration



SHRUBS

LANDSCAPE HEDGE



LANDSCAPE PRIVACY SCREEN



FOR MORE
INFORMATION



CONTACT YOUR
SALES REPRESENTATIVE

6

SAFETY

WORKING SAFELY



GUARDRAIL

Free-standing solutions
To be fixed

116
118



SKYLIGHT GUARDS

No gate
With gate

120
120



ACCESS SYSTEMS

Access steps
Ladders
Caged ladders
Access staircases
Alternate trad ladders
Anchor points
SÖLL®adders

121
122
123
124
126
126
127



SAFETY

Safety-edge markers
Gravel-coated pad
Chain posts

128
129
129

GUARDRAIL

FREE-STANDING SOLUTIONS

ALUMINIUM

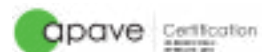


- » Tilting uprights
- » B allasts made from recycled PVC
- » Constant 1450 mm spacing between uprights

COMPOSITE



- » Tilting uprights
- » B allasts made from recycled PVC
- » Constant 900 mm spacing between uprights



CHARACTERISTICS : BALLAST MADE FROM RECYCLED PVC





- » **Ballasted system, no penetration of the waterproofing membrane, no thermal bridging**
- » **Counterweight designed to act as a resilient layer in accordance with DTU 43.1**
- » **Quick installation (only 4 tightening points)**
- » **Self-supporting guardrails comply with French standard NF E85-015:2019 and European standard NF EN ISO 14122-3**

MANY ACCESSORIES AND CONFIGURATIONS AVAILABLE

To determine the layout plan that meets my requirements



CONTACT YOUR SALES REPRESENTATIVE

GUARDRAIL

TO BE MOUNTED

ALUMINIUM

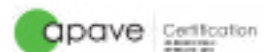
COMPOSITE



- » 3 types of brackets
- » Constant 1450 mm spacing between uprights



- » 3 types of brackets
- » Constant 900 mm spacing between uprights





» Fixed guardrails comply with the requirements of French standard NF E85-015:2019 and European standard NF EN ISO 14122-3.

MANY ACCESSORIES AND CONFIGURATIONS AVAILABLE

To determine the layout plan that meets my requirements



CONTACT YOUR SALES REPRESENTATIVE

SKYLIGHT GUARDS

NO GATE



WITH GATE



» Installation : 10 min by 1 person

CHARACTERISTICS

DIMENSIONS AVAILABLE (mm) – WITH GATE (AP) – NO GATE (SP)

1500x1500	AP	VN20301002151										
	SP	VN20301002152										
1500x2000	AP	VN20301002153	2000x2000	AP	VN20301002161							
	SP	VN20301002154		SP	VN20301002162							
1500x2500	AP	VN20301002155	2000x2500	AP	VN20301002163	2500x2500	AP	VN20301002169				
	SP	VN20301002156		SP	VN20301002164		SP	VN20301002170				
1500x3000	AP	VN20301002157	2000x3000	AP	VN20301002165	2500x3000	AP	VN20301002171	3000x3000	AP	VN20301002560	
	SP	VN20301002158		SP	VN20301002166		SP	VN20301002559		SP	VN20301002173	
1500x3500	AP	VN20301002159	2000x3500	AP	VN20301002167	2500x3500	AP	VN20301002172	3000x3500	AP	VN20301002174	
	SP	VN20301002160		SP	VN20301002168		SP	VN20301002558		SP	VN20301002175	
										3500x3500	AP	VN20301002176
											SP	VN20301002177

For any other specific dimensions



**CONTACT YOUR
SALES REPRESENTATIVE**

ACCESS SYSTEMS

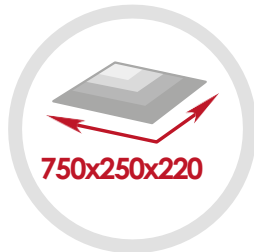
ACCESS STEPS

1 STEP

VN29437003215



CHARACTERISTICS

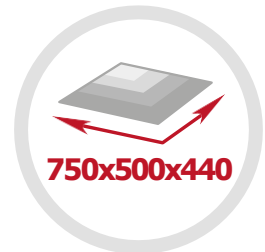


2 STEPS

VN29437003216



CHARACTERISTICS

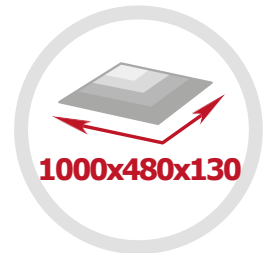


ELASTOMER STEP

V00001-00000



CHARACTERISTICS



For any other specific dimensions



**CONTACT YOUR
SALES REPRESENTATIVE**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

ACCESS SYSTEMS

LADDERS

STRAIGHT



- » Height 2 m
- or » Height 3 m
- or » Height 4 m

VN16237003226

VN16237003227

VN16237003228

OPTIONS

- » Hooking bars
- » Fireman's strap
- » Ladder hook
- » Stabilizing base plate



- » Vertical technical access solution
- » Lightweight, easy handling
- » Hooks supplied, ensured stability
- » 3 sizes: 2 m / 3 m / 4 m



For any other specific dimensions



**CONTACT YOUR
SALES REPRESENTATIVE**



» Aluminium

» Compliant with AFNOR standard NF E 85-016

CAGED LADDERS

EXITS



» Front
or
» Side

» Hatch open
or
» Hatch closed

MANY ACCESSORIES AND
CONFIGURATIONS AVAILABLE



**CONTACT YOUR
SALES REPRESENTATIVE**

ACCESS SOLUTIONS

STAIRS

STRAIGHT



WITH LANDING



STEP-OVER PLATFORM





- » Quick assembly
- » Supplied disassembled
- » Compliant with AFNOR standards: NF E 85-015 and NF E 85-013
- » Modular design (over one hundred possible configurations in total)
- » Feet fixed on slabs or on supports
- » Adjustable and swivelling base plate

MANY ACCESSORIES AND
CONFIGURATIONS AVAILABLE



**CONTACT YOUR SALES
REPRESENTATIVE**

ACCESS SOLUTIONS

OVERHANGING LADDER RUNGS

SIMPLE



- » Adjustable clamp VN32502005253
Ø90 to Ø139
- » Fasteners supplied

DOUBLE



- » Clamp Ø114 VN32502003222
- or
- » Clamp Ø139 VN16236003298
- » Visserie fournie

ANCHOR POINTS

Ø114



- » Clamp Ø114 VN32502003243
- » Fasteners supplied

Ø139



- » Clamp Ø139 VN32502003244
- » Fasteners supplied



FIMO is now an official Honeywell® distributor

» Privileged access to stock in France across all standard product references

» Greater responsiveness, improved availability, and enhanced support for your projects

SÖLL® LADDERS



FOR MORE
INFORMATION



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If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

SAFETY

DEMARCATIION EDGING

RADIO SAFETY

VN05055003220



» Delineation of radio safety zones

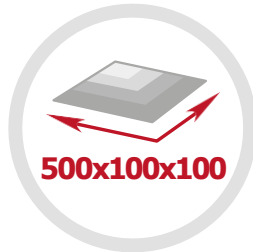
WALKWAY

VN05055003221

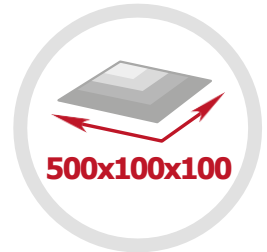


» Delineation of the rooftop walkway

CHARACTERISTICS



CHARACTERISTICS



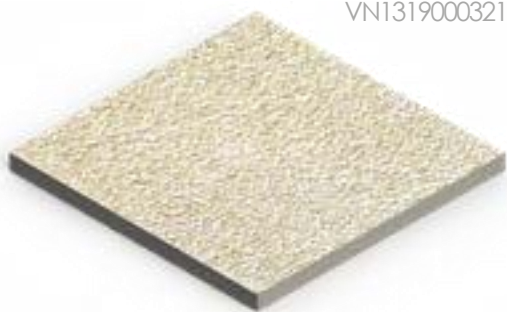
- » Direct installation on waterproofing layers
- » Wide clearance for rainwater drainage



GRAVELLED CONCRETE SLAB

CHAIN BARRIER POSTS

WALKAWAY

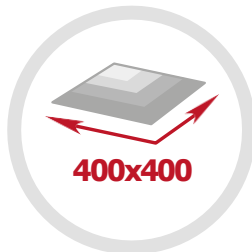


» Rooftop walkaway



- » 1 Elastomer post
- » 1 Plastic post H1000
- » Plastic chain L2000

CARACTÉRISTIQUES



CARACTÉRISTIQUES



POUR TOUTES
INFORMATIONS



CONTACTER MON
CHARGÉ D'AFFAIRES

7

ACCESSORIES

EVERYTHING TO COMPLETE YOUR INSTALLATIONS



- » **CABLE TRAYS**
 - Elastomer cable trays 132
 - Elastomer supports 133



- » **LIGHTING**
 - Lighting supports 134



- » **POSITIONING TEMPLATES**
 - Antenna Azimuth alignment 135



- » **EQUIPMENT SUPPORTS**
 - Multi-support station 136



- » **INDUSTRY-SPECIFIC SOLUTIONS**
 - Trisector with adjustable azimuth 137
 - 1 to 3 sector arms 138



- » **MOUNTING ON EXISTING STRUCTURES**
 - Equipment rack mounting 140
 - Mounting on H-beam 142



- » **OFFSET ARMS**
 - FH30 and FH60 supports 146
 - GPS supports 147



- » **ADJUSTABLE OFFSET ARMS**
 - Adjustable antenna offset arm with Ø90 tube 148



- » **BRACES**
 - Braces 149
 - Offset braces 149



- » **EQUIPMENT RACK ACCESSORIES**
 - 8x8 base 150



- » **MOCK EQUIPMENT**
 - Decorative antennas 151

CABLE TRAYS

ELASTOMER CABLE TRAYS



- » Installation or removal time: approximately 30 linear meters per hour by one person
- » Resistant to ageing and decay
- » 100% elastomer material made from recycled tyres
- » Chemically neutral



- » Walkaway safety
- » Cable protection



DESCRIPTION	STRAIGHT COVER 220 MM	STRAIGHT COVER 300 MM	STRAIGHT COVER 480 MM
DIMENSIONS	1000x240x30	1000x320x30	1000x500x30
REFERENCE	VN19045009329	VN19045009347	VN19045009359



DESCRIPTION	45° COVER 220 MM	45° COVER 300 MM	45° COVER 480 MM
DIMENSIONS	270x285x30	405x432x30	570x523x30
REFERENCE	VN19045009330	VN19045009348	VN19045009360



DESCRIPTION	TE COVER 220 MM	TE COVER 300 MM	TE COVER 480 MM
DIMENSIONS	500x370x30	825x570x30	1000x750x30
REFERENCE	VN19045009331	VN19045009349	VN19045009361



DESCRIPTION	45° BEND 3x1"5/8	45° BEND 300mm	45° BEND 3x7/8"
DIMENSIONS	390x405x100	390x405x90	260x255x90
REFERENCE	VN19045009336	VN19045009342	VN19045009324



DESCRIPTION	STRAIGHT 3x1"5/8	STRAIGHT 3x7/8"	STRAIGHT 4x7/8"	STRAIGHT 6x7/8"
DIMENSIONS	1000x300x100	1000x220x90	1000x300x90	1000x480x90
REFERENCE	VN19045009335	VN19045009323	VN19045009341	VN19045009354

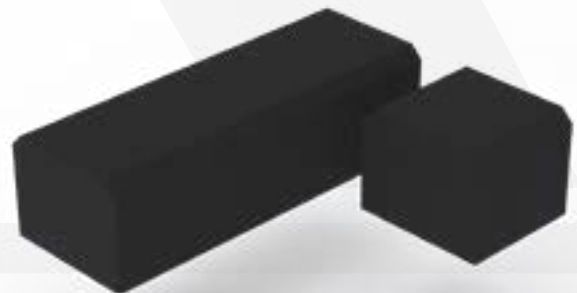


DESCRIPTION	TE 300 mm	TE 6x7/8"	TE 3x1"5/8	TE 3x7/8"
DIMENSIONS	840x580x90	1000x740x90	840x580x100	500x360x90
REFERENCE	VN19045009343	VN19045009355	VN19045009337	VN19045009325

ELASTOMER POSTS

WHY?

✓ **Metal cable tray support**



» 300 x 110 x 85
» 100 x 110 x 85

V00272-00000
VN13999007940

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

LIGHTING

LIGHTING SUPPORTS

LIGHTING

VN61973001014 ⁽¹⁾
VN61973001015 ⁽²⁾



» Manually portable



- or » ⁽¹⁾ Mast H1600
» ⁽²⁾ Mast H2000
» 2 Ballasts

CHARACTERISTICS

72
KG

800x600

FOR MORE
INFORMATION



**CONTACT YOUR
SALES REPRESENTATIVE**

INSTALLATION TEMPLATES

ANTENNA AZIMUTH ALIGNMENT TEMPLATE

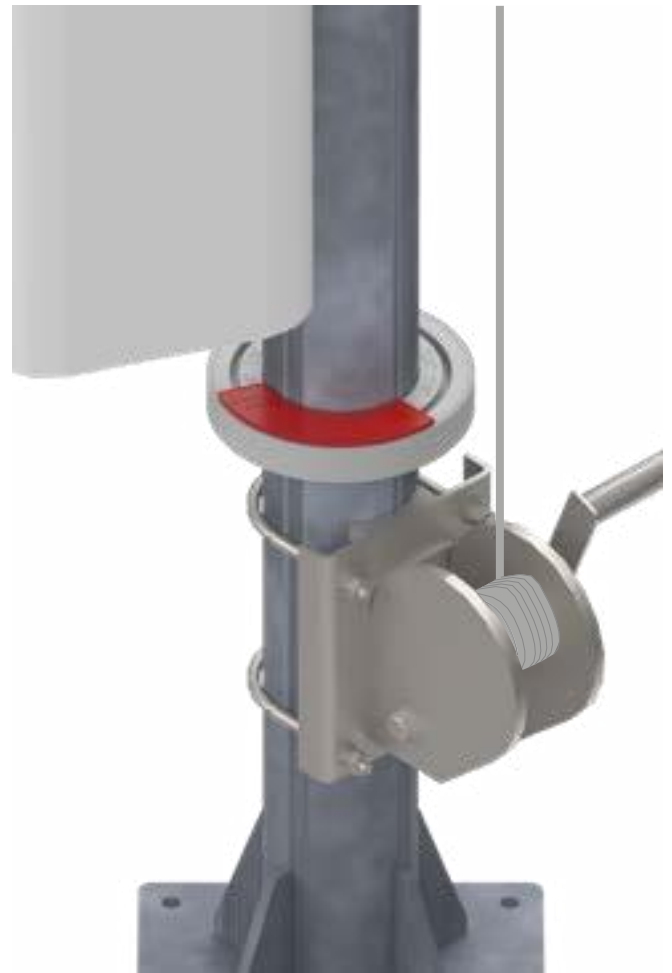
WHY?

✓ 5G SLIDING Support (page 98)



» Ø114

V00068-00000



- » Helps orient the antenna relative to north
- » Indicates where to position the winch relative to the antenna according to the defined angle

FOR MORE
INFORMATION



CONTACT YOUR
SALES REPRESENTATIVE

EQUIPMENT SUPPORTS

MULTI-SUPPORT STATION

WHERE ?

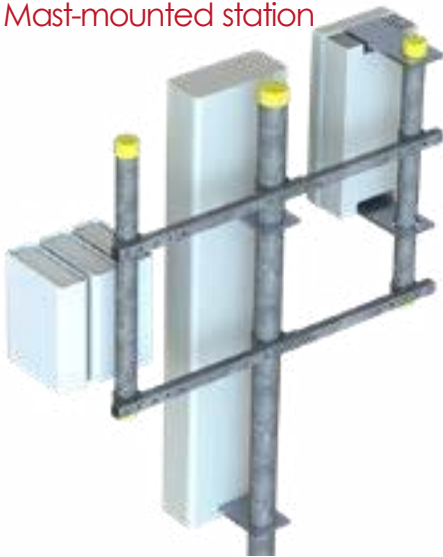
MOUNTING ON MAST Ø114

WHY?

✓ 4G and 5G antennas +3 RRU/RRH

VN61971003835

» Mast-mounted station



» 2 Bras de dépôts livrés assemblés

» Disponible en stock

FOR MORE
INFORMATION

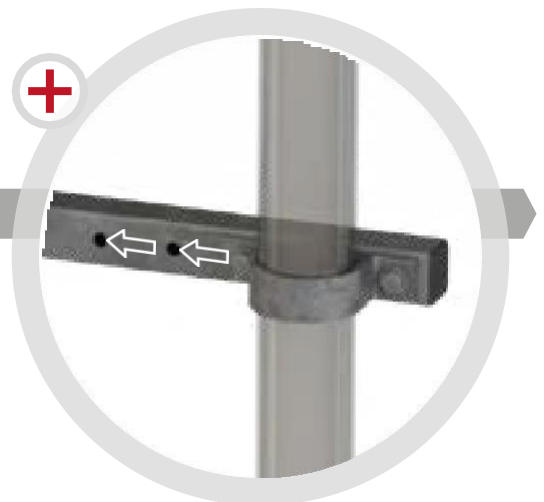


CONTACT YOUR SALES
REPRESENTATIVE

- » Pair of offset arms
- » 2 Ø90 tubes (height depending on model)
- » 2 end caps per Ø90 tube

CHARACTERISTICS

MODEL	MAST HEIGHT Ø90	WEIGHT	REFERENCE
A	500 mm	4 kg	VN11140003479
B	1000 mm	7 kg	VN11140002208
C	1500 mm	11 kg	VN11140003473
D	2000 mm	15 kg	VN11140003822
E	3000 mm	23 kg	VN11140003823



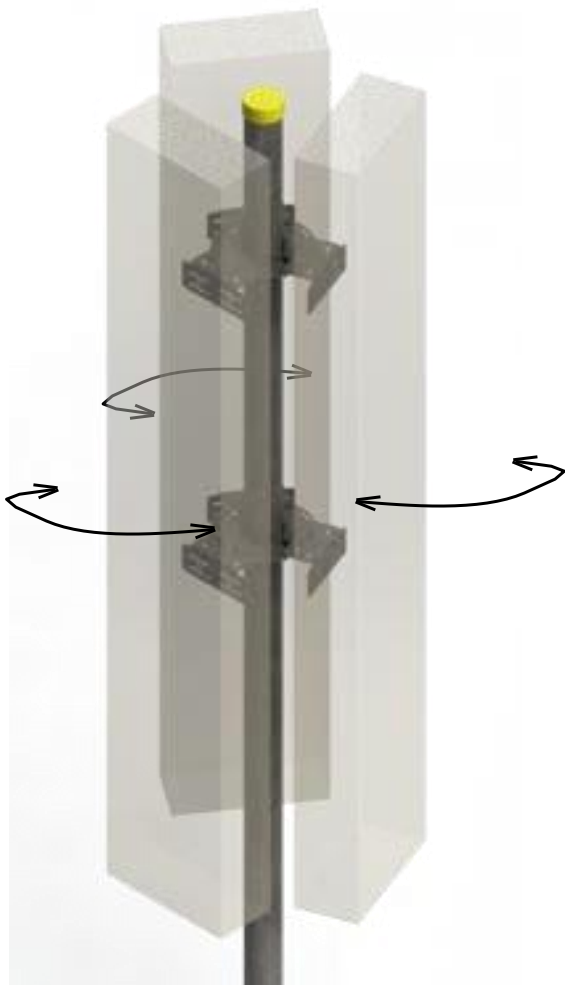
INDUSTRY-SPECIFIC SOLUTIONS

TRISECTOR WITH ADJUSTABLE AZIMUTHS



The system allows independent adjustment of the antennas' azimuth

- » Mounting of 3 antennas on a single mast
- » Multiple adjustment options to facilitate antenna azimuth alignment
- » Models available for mounting on masts: Ø114 – Ø139 – Ø168



Operating principle

FOR MORE
INFORMATION



CONTACT YOUR SALES
REPRESENTATIVE

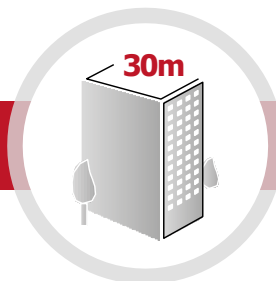
VN14216003577 (Ø114)
VN14216003578 (Ø139)
VN14216003818 (Ø168)

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

INDUSTRY-SPECIFIC SOLUTIONS

1 TO 3 SECTOR OFFSET ARMS

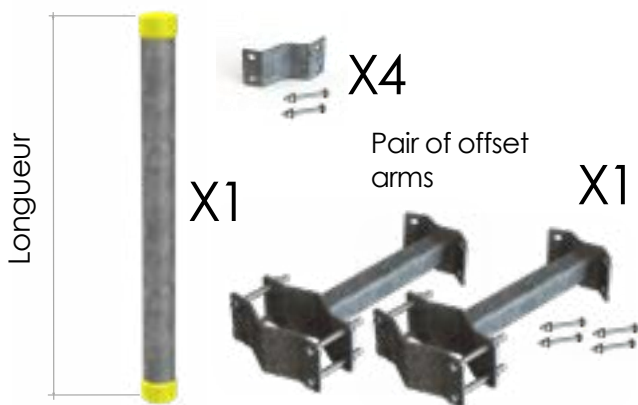
WHERE ?



WHY?

1 Sector

» Pair of offset arms



2 Sectors

» Pair of offset arms



CHARACTERISTICS

TUBE	OFFSET	WEIGHT	REFERENCE
Ø90 H4000 MM	350 mm	41 kg	VN61973003626
Ø90 H3500 MM		38 kg	VN61973003625
Ø90 H3000 MM		34 kg	VN61973003624

CHARACTERISTICS

TUBE	OFFSET	WEIGHT	REFERENCE
Ø90 H4000 MM	350 mm	80 kg	VN61973003635
Ø90 H3500 MM		75 kg	VN61973003634
Ø90 H3000 MM		68 kg	VN61973003633

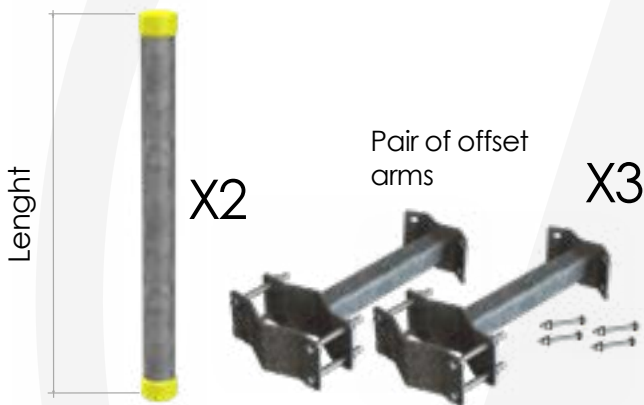


- » Adjustable clamps for masts Ø90 to Ø168
- » Arm supplied assembled
- » Available from stock
- » Structural calculation report provided



3 Sectors

Pair of offset arms



CHARACTERISTICS

TUBE	OFFSET	WEIGHT	REFERENCE
Ø90 H4000 MM	350 mm	121 kg	VN61973003638
Ø90 H3500 MM		112 kg	VN61973003637
Ø90 H3000 MM		102 kg	VN61973003636

FOR MORE INFORMATION



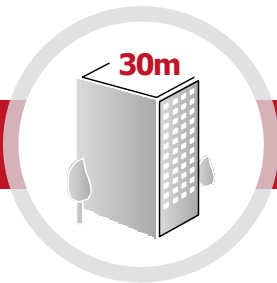
CONTACT YOUR SALES REPRESENTATIVE

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

MOUNTING ON EXISTING STRUCTURES

MOUNTING ON RACKS

WHERE?



WHY?

✓ 1 Omni antenna on composite chimney

VN11132002588



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Fixing with Trebol rivets on composite chimney
- » 200 mm offset

WHY?

✓ 1 GPS Antenna on rack

VN61971004861

»» GPS antenna support



FOR MORE
INFORMATION



**CONTACT YOUR SALES
REPRESENTATIVE**

- » Mast Ø48 H500
- » Base plate 400x250 mm

CHARACTERISTICS

**10
KG**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

MOUNTING ON EXISTING STRUCTURES

FIXATION SUR PROFILÉ H

OÙ ?

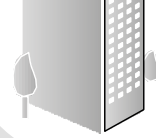
1>2



IIIb > IV



40m



POUR QUOI ?

✓ 1 Antenne 5G

VN61971003611



» Mast Ø114 H2000

» Backing plate



» Validation des descentes de charges en pieds de mât par note de calcul fournie

» Installation rapide par 1 personne

The existing structure must be validated by an engineering office.



CONTACT YOUR SALES REPRESENTATIVE

CHARACTERISTICS

46

KG





- » Free sliding along the H-profile
- » Quick installation by one person
- » Simplified handling for installers
- » Generic calculation report

WHERE?

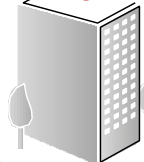
1>3



IIIb > IV



40m



WHY?

✓ 1 to 6 RRU/RRH

VN11999002384

» On existing structure



The existing structure must be validated by an engineering office.



CONTACT YOUR SALES REPRESENTATIVE

- » Mast Ø90 – H1500
- » RRU/RRH maximum high-height 1400
- » Backing plate

CHARACTERISTICS

**25
KG**

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

MOUNTING ON EXISTING STRUCTURES

ONH-BEAM

TO BE COMPOSED

- » Mast Ø48
- » Backing plate

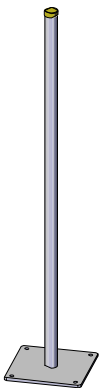


» Quick assembly

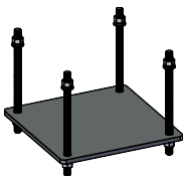
The existing structure must be validated by an engineering office.



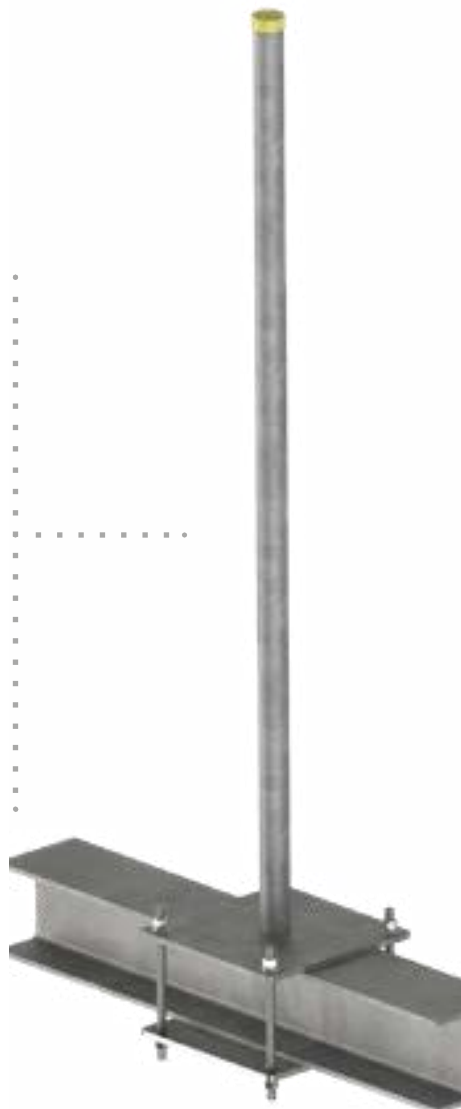
CONTACT YOUR SALES REPRESENTATIVE



Reference of your choice to be added



VN11136002576



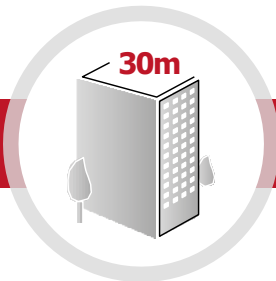


If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

OFFSET ARMS

FH30 AND FH60 SUPPORTS

WHERE?



WHY?

✓ 1 FH Ø380 mm max

VM33533000877



- » Tube Ø90 H640
- » 1 Offset arm 400 mm
- » Clamps Ø114

CHARACTERISTICS



✓ 1 FH Ø380 mm max

VM33533000876



- » Tube Ø90 H680
- » 2 Offset arms 400 mm
- » Clamps Ø114

CHARACTERISTICS





- » Quick installation by 1 person
- » Structural calculation report provided

GPS SUPPORT

WHY?

✓ 1 FH Ø700 mm max

VM33533000878



- » Tube Ø90 H880
- » 2 Offset arms 400 mm
- » Clamps s Ø114

CHARACTERISTICS

18
KG

✓ 1 GPS Antenna

VN61973004842



- » Tube Ø48 H1000
- » 2 Offset arms 200 mm
- » Variable clamps from Ø60 to Ø114

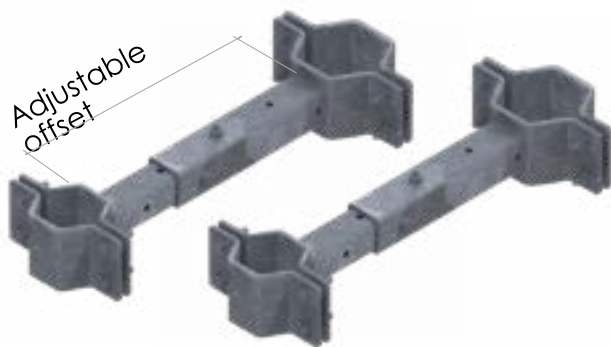
CHARACTERISTICS

9
KG

ADJUSTABLE OFFSET ARMS

ADJUSTABLE OFFSET ARMS AND TUBE Ø90

» Pair of offset arms



+



CHARACTERISTICS

SECTION	OFFSET
 60x60	Adjustable 395 mm or 295 mm

+

TUBE	LENGTH	WEIGHT	REFERENCE
Ø90	2800 mm	41 kg	VN61977007908
	2500 mm	39 kg	VN61977008191
	2000 mm	35 kg	VN61977008186
	1500 mm	31 kg	VN61977008187
	1000 mm	26 kg	VN61977007907



- » Clamps Ø114
- » Tube supplied with 2 end caps
- » Available from stock

BRACES

BRACES

✓ Spacing 1472 mm

V00156-00000



» Squared tube 50x50

✓ Adjustable spacing from 1100 mm to 1900 mm

V00157-00000



» Squared tube 50x50
» Round tube Ø42 mm

BRACE OFFSET

VN61973008290



» Squared tubes 60x60
» Offset 140 mm

FOR MORE
INFORMATION



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If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

RACK ACCESSORIES

8X8 PLATE

WHERE? FIXING ON H OR EXISTING PROFILE

WHY?

✓ **Universal rack support**

» **8x8 plate applications**



- » Composite profile
- » Clamp fixing system
- » Anti-vibration mounts

- +** » **3 lengths available**
- » **Adjustable supports to fit all types of racks**
- » **Anti-vibration supports**

CHARACTERISTICS



L 750 mm

VN46751001981



8

KG

CHARACTERISTICS



L 850 mm

VN46751003587



9

KG

CARACTÉRISTIQUES



L 1180 mm

VN46751001980



11

KG

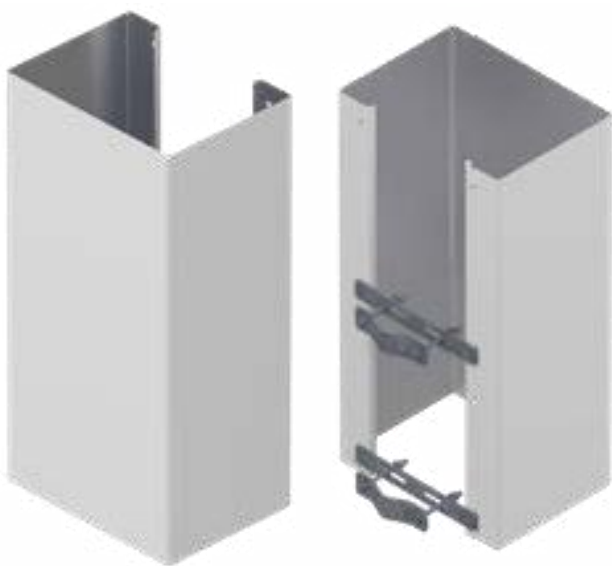


- » Manually portable: lightweight composite profile
- » Quick installation: square-head bolts for easy sliding within the profile
- » Can be fixed onto existing crossbeams already present on site

MOCK EQUIPMENT

DECORATIVE ANTENNAS

✓ **Dimensions on request**



- » Folded aluminium sheet
- » RAL 7035 paint finish or colour of your choice
- » Variable clamp



Ideal and cost-effective solution to reserve space for the installation of a new antenna

**FOR MORE
INFORMATION**



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8

METALWORK

PRODUCTS IN STOCK TO MEET ALL YOUR NEEDS

Take advantage of our in-stock products: the best prices, immediate availability, and express shipping within 72 hours after order receipt.

For made-to-order items, we provide personalized follow-up with an estimated manufacturing lead time of approximately 5 weeks.

Spot them easily:
in the tables, they are highlighted in green for quick and efficient reading.



» BRAS DE DÉPORT

Supports d'antenne	154
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» TUBES

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» PLOTS

Hauteur 300, 400 et 500 mm	160
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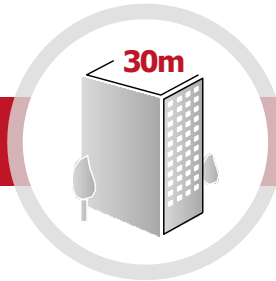
» MÂTS

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OFFSET ARM

ANTENNA SUPPORTS

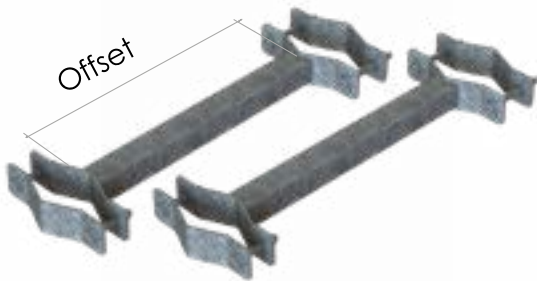
WHERE?



WHY?

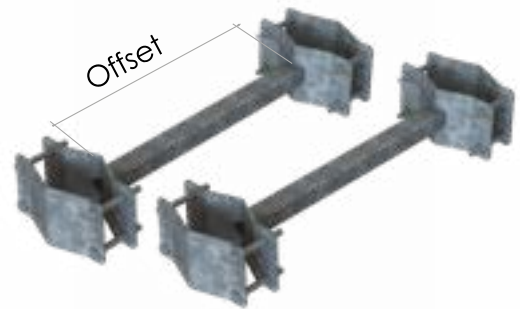
1 5G Antenna

» Pair of offset arms




1 5G Antenna

» Pair of offset arms



CHARACTERISTICS

SECTION	OFFSET	WEIGHT	REFERENCE
 40x40	1000 mm	6,3 kg	VN61971003770
	900 mm	5,9 kg	VN61971003769
	800 mm	5,5 kg	VN61971003768
	700 mm	5 Kg	VN61971003767
	600 mm	4,6 kg	VN61971003766
	500 mm	4,2 kg	VN61971003765
	400 mm	3,8 kg	VN61971003764
	300 mm	3,3 kg	VN61971003763
	200 mm	2,9 kg	VN61971003762
	100 mm	2,5 kg	VN61971003761

CHARACTERISTICS

SECTION	OFFSET	WEIGHT	REFERENCE
 40x40	1000 mm	10,3 kg	VN61971003780
	900 mm	10 kg	VN61971003779
	800 mm	9,5 kg	VN61971003778
	700 mm	9 kg	VN61971003777
	600 mm	8,6 kg	VN61971003776
	500 mm	8,2 kg	VN61971003775
	400 mm	7,7 kg	VN61971003774
	300 mm	7,3 kg	VN61971003773
	200 mm	6,9 kg	VN61971003772
	100 mm	6,5 kg	VN61971003771

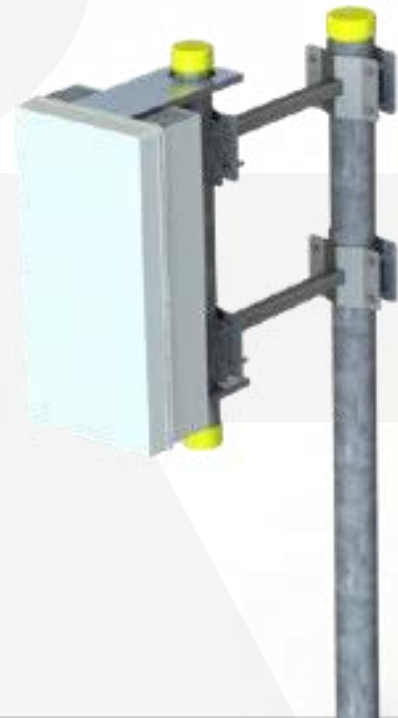
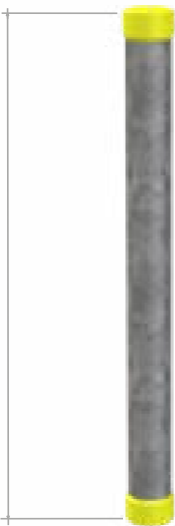


- » Adjustable Brackets for Ø60-Ø114 mm Masts
- » Offset supplied assembled
- » Tube supplied with 2 end caps
- » **References in Stock at the Best Price**
- » Structural calculation report supplied

✓ To be associated with 2 offset arms



Length



CHARACTERISTICS

TUBE	LENGTH	WEIGHT	REFERENCE
Ø90	3000 mm	23 kg	VN11140003823
	2500 mm	19 kg	VN11140005107
	2000 mm	15 kg	VN11140003822
	1500 mm	11 kg	VN11140003473
	1000 mm	7 kg	VN11140002208
	500 mm	4 kg	VN11140003479


FOR MORE
INFORMATION





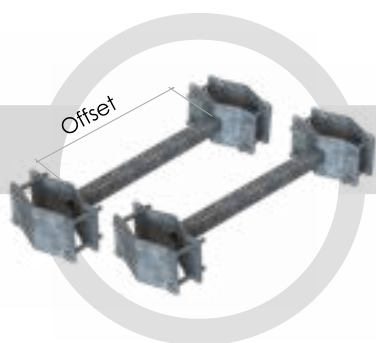
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OFFSET ARMS

PAIR OF DOUBLE OFFSET – MOUNTING ON MAST

OFFSET			LENGTH C-C DISTANCE	CLAMPS		WEIGHT	REFERENCE
SECTION	EP	LENGTH		Ø	EP	KG	
 50x50	3	140	200	Ø60 à Ø114	8	8,25	VN61971008947
	3	240	300	Ø60 à Ø114	8	9,15	VN61971008948
	3	340	400	Ø60 à Ø114	8	10,05	VN61971008949
	3	440	500	Ø60 à Ø114	8	10,93	VN61971008950
	3	740	800	Ø60 à Ø114	8	13,61	VN61971008951
	5	140	200	Ø60 à Ø114	8	8,63	VN61971008952
	5	240	300	Ø60 à Ø114	8	9,93	VN61971008953
	5	340	400	Ø60 à Ø114	8	11,23	VN61971008954
	5	440	500	Ø60 à Ø114	8	12,53	VN61971008955
	5	740	800	Ø60 à Ø114	8	16,45	VN61971008956

OFFSET			LENGTH C-C DISTANCE	CLAMPS		WEIGHT	REFERENCE
SECTION	EP	LENGTH		Ø	EP	KG	
 Ø60	2,9	240	300	Ø60 à Ø114	8	9,27	VN61971008957
	2,9	340	400	Ø60 à Ø114	8	10,17	VN61971008958
	2,9	440	500	Ø60 à Ø114	8	11,05	VN61971008959
	2,9	740	800	Ø60 à Ø114	8	13,75	VN61971008960
	3,2	240	300	Ø60 à Ø114	8	9,27	VN61971008961
	3,2	340	400	Ø60 à Ø114	8	10,17	VN61971008962
	3,2	440	500	Ø60 à Ø114	8	11,05	VN61971008963
	3,2	740	800	Ø60 à Ø114	8	13,75	VN61971008964
 Ø90	3,2	240	300	Ø60 à Ø114	8	11,44	VN61971008965
	3,2	340	400	Ø60 à Ø114	8	12,78	VN61971008966
	3,2	440	500	Ø60 à Ø114	8	14,12	VN61971008967
	3,2	740	800	Ø60 à Ø114	8	18,16	VN61971008968





Pair of Offset Arms or Flag-Style Offset

» **References in Stock at the Best Price**

FLAG OFFSET- WALL MOUNTING

OFFSET		PLATE		LENGTH CC DISTANCE	DOUBLECLAMP		WEIGHT	REFERENCE
SECTION	EP	SIZE	EP		Ø	EP	KG	
 50x50	3	200x200	10	300	Ø60 à Ø114	8	8,47	VN61971009283
	3	200x200	10	400	Ø60 à Ø114	8	8,57	VN61971009284
	3	300x300	10	300	Ø60 à Ø114	8	13,40	VN61971009287
	3	300x300	10	400	Ø60 à Ø114	8	13,50	VN61971009288

OFFSET		PLATE		LENGTH CC DISTANCE	DOUBLECLAMP		WEIGHT	REFERENCE
SECTION	EP	SIZE	EP		Ø	EP	KG	
 Ø90	3,2	200x200	10	400	Ø60 à Ø114	8	9,88	VN61971009285
	3,2	200x200	10	500	Ø60 à Ø114	8	10,75	VN61971009286
	3,2	300x300	10	400	Ø60 à Ø114	8	14,80	VN61971009289
	3,2	300x300	10	500	Ø60 à Ø114	8	15,45	VN61971009290

OFFSET		PLATE		LENGTH CC DISTANCE	DOUBLECLAMP		WEIGHT	REFERENCE
SECTION	EP	SIZE	EP		Ø	EP	KG	
 50x50	4	300x300	10	300	Ø60 à Ø114	6	9,50	V00275-00000



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INFORMATION



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TUBES

Ø48.3

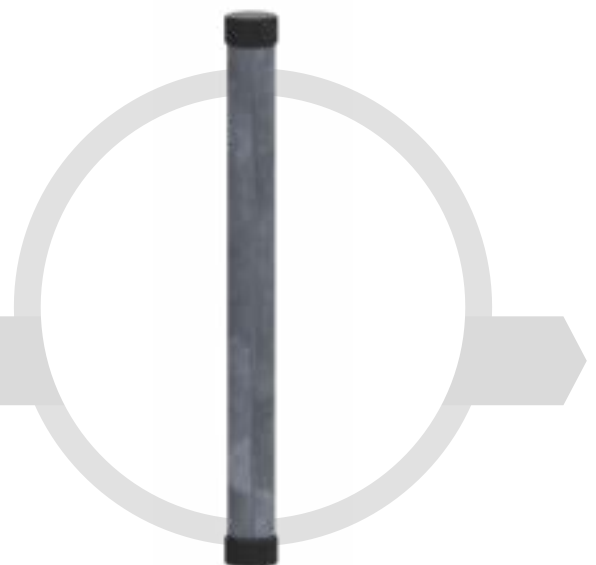
TUBE			REFERENCE
Ø	HEIGHT	EP	
Ø48	500	2,9	VN11140002623
	1000	2,9	VN11140002624
	1500	2,9	VN11140002625
	2000	2,9	VN11140002626
	3000	2,9	VN11140002627

Ø60.3

TUBE			REFERENCE
Ø	HEIGHT	EP	
Ø60	1000	3,2	VN11140001300
	1500	3,2	VN11140005083
	2000	3,2	VN11140002030
	2500	3,2	VN11140005084
	3000	3,2	VN11140005085
	3500	3,2	VN11140008983
	4000	3,2	VN11140008984
	1000	5	VN11140008985
	1500	5	VN11140008986
	2000	5	VN11140008987
	2400	5	VN11140008988
	3000	5	VN11140008989
	3500	5	VN11140008990
	4000	5	VN11140008991

Ø76.1

TUBE			REFERENCE
Ø	HEIGHT	EP	
Ø76	1000	2,9	VN11140008992
	1500	2,9	VN11140008993
	2000	2,9	VN11140008994
	2400	2,9	VN11140008995
	3000	2,9	VN11140008996
	3500	2,9	VN11140008997
	4000	2,9	VN11140008998
	1000	3,2	VN11140008999
	1500	3,2	VN11140009000
	2000	3,2	VN11140009001
	2400	3,2	VN11140009002
	3000	3,2	VN11140009003
	3500	3,2	VN11140009004
	4000	3,2	VN11140009005
	1000	5	VN11140009006
	1500	5	VN11140009007
	2000	5	VN11140009008
	2400	5	VN11140009009
	3000	5	VN11140009010
	3500	5	VN11140009011
4000	5	VN11140009012	





Galvanized Steel Tubes, Supplied with 2 End Caps

» References in Stock at the Best Price

Ø88.9

TUBE			REFERENCE
Ø	H	EP	
Ø90	500	3,2	VN11140003479
	1000	3,2	VN11140002208
	1200	3,2	VN61973009751
	1500	3,2	VN11140003473
	2000	3,2	VN11140003822
	2500	3,2	VN11140005107
	3000	3,2	VN11140003823
	3500	3,2	VN11140005109
	4000	3,2	VN11140005110
	1000	5	VN11140009020
	1500	5	VN11140009021
	2000	5	VN11140009022
	2400	5	VN11140009023
	3000	5	VN11140009024
	3500	5	VN11140009025
	4000	5	VN11140009026

Ø114.3

TUBE			REFERENCE
Ø	H	EP	
Ø114	1000	3,6	VN61973003548
	1500	3,6	VN11140009028
	2000	3,6	VN61973004940
	2500	3,6	VN11140005113
	3000	3,6	VN61973004941
	3500	3,6	VN11140005115
	4000	3,6	VN11140005116
	4500	3,6	VN11140005117
	5000	3,6	VN11140005118
	5500	3,6	VN11140005119
	6000	3,6	VN11140005120
	1000	5	VN11140009034
	1500	5	VN11140009035
	2000	5	VN11140009036
	2400	5	VN11140009037
	3000	5	VN11140009038
	3500	5	VN11140009039
	4000	5	VN11140009040
	1000	6,3	VN11140009041
	1500	6,3	VN11140009042
	2000	6,3	VN11140009043
	2400	6,3	VN11140009044
	3000	6,3	VN11140009045
	3500	6,3	VN11140009046
	4000	6,3	VN11140009047

Ø139.7

TUBE			REFERENCE
Ø	H	EP	
Ø139	1000	5	VN11140009048
	1500	5	VN11140009049
	2000	5	VN11140009050
	2400	5	VN11140009051
	3000	5	VN11140009052
	3500	5	VN11140009053
	4000	5	VN11140009054
	1000	6,3	VN11140009055
	1500	6,3	VN11140009056
	2000	6,3	VN11140009057
	2400	6,3	VN11140009058
	3000	6,3	VN11140009059
	3500	6,3	VN11140009060
	4000	6,3	VN11140009061

FOR MORE INFORMATION





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If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

BASES

HEIGHT 300, 400 AND 500 MM

BASE		HEIGHT	LOWER BASE		MOUNTING HOLES		UPPER BASE		MOUNTING HOLES		WEIGHT	REFERENCE
SECTION	EP		SIZE	EP	C-C	Ø	SIZE	EP	C-C	Ø	KG	
 100x100	4	300	300x300	10	250	14	300x300	10	250	14	19,45	VN40640009062
	4	400	300x300	10	250	14	300x300	10	250	14	20,62	VN40640009063
	4	500	300x300	10	250	14	300x300	10	250	14	21,79	VN40640009064

BASE		HEIGHT	LOWER BASE		MOUNTING HOLES		UPPER BASE		MOUNTING HOLES		WEIGHT	REFERENCE
SECTION	EP		SIZE	EP	C-C	Ø	SIZE	EP	C-C	Ø	KG	
 150x150	5	300	300x300	10	250	14	300x300	10	250	14	22,63	VN40640009065
	5	400	300x300	10	250	14	300x300	10	250	14	24,86	VN40640009066
	5	500	300x300	10	250	14	300x300	10	250	14	27,09	VN40640009067
	5	300	300x300	15	250	14	300x300	10	250	14	26,16	VN40640009068
	5	400	300x300	15	250	14	300x300	10	250	14	28,39	VN40640009069
	5	500	300x300	15	250	14	300x300	10	250	14	30,62	VN40640009070
	5	300	400x400	10	340	18	300x300	10	250	14	28,13	VN40640009071
	5	400	400x400	10	340	18	300x300	10	250	14	30,36	VN40640009072
	5	500	400x400	10	340	18	300x300	10	250	14	32,59	VN40640009073
	5	300	400x400	10	340	18	400x400	10	340	18	34,21	VN40640009089
	5	400	400x400	10	340	18	400x400	10	340	18	36,44	VN40640009090
	5	500	400x400	10	340	18	400x400	10	340	18	38,67	VN40640009091
	5	300	400x400	15	340	18	300x300	10	250	14	34,41	VN40640009074
	5	400	400x400	15	340	18	300x300	10	250	14	36,64	VN40640009075
	5	500	400x400	15	340	18	300x300	10	250	14	38,87	VN40640009076
	5	300	400x400	15	340	18	400x400	10	340	18	40,49	VN40640009092
	5	400	400x400	15	340	18	400x400	10	340	18	42,72	VN40640009093
	5	500	400x400	15	340	18	400x400	10	340	18	44,95	VN40640009094
5	400	400x400	15	350	20	300x300	10	250	16	33,47	VN40642003671	



Base Assembly: 1 tube, 1 lower plate, 1 upper plate, and 1 cover cap

» **References in Stock at the Best Price**

TUBES (mm)

- » 3 squared sections: 100x100; 150x150; 200x200
- » 3 heights : 300; 400; 500

BASE (mm)

- » 2 dimensions : 300x300; 400x400
- » 2 thicknesses: 10 / 15 mm



BASE		HEIGHT	LOWER BASE		MOUNTING HOLES		UPPER BASE		MOUNTING HOLES		WEIGHT KG	REFERENCE
SECTION	EP		SIZE	EP	C-C	Ø	SIZE	EP	C-C	Ø		
200x200	5	300	300x300	10	250	14	300x300	10	250	14	24,97	VN40640009077
	5	400	300x300	10	250	14	300x300	10	250	14	27,98	VN40640009078
	5	500	300x300	10	250	14	300x300	10	250	14	30,99	VN40640009079
	5	300	300x300	15	250	14	300x300	10	250	14	28,50	VN40640009080
	5	400	300x300	15	250	14	300x300	10	250	14	31,51	VN40640009081
	5	500	300x300	15	250	14	300x300	10	250	14	34,52	VN40640009082
	5	300	400x400	10	340	18	300x300	10	250	14	30,47	VN40640009083
	5	400	400x400	10	340	18	300x300	10	250	14	33,48	VN40640009084
	5	500	400x400	10	340	18	300x300	10	250	14	36,49	VN40640009085
	5	300	400x400	10	340	18	400x400	10	340	18	36,55	VN40640009095
	5	400	400x400	10	340	18	400x400	10	340	18	39,56	VN40640009096
	5	500	400x400	10	340	18	400x400	10	340	18	42,57	VN40640009097
	5	300	400x400	15	340	18	300x300	10	250	14	36,75	VN40640009086
	5	400	400x400	15	340	18	300x300	10	250	14	39,76	VN40640009087
	5	500	400x400	15	340	18	300x300	10	250	14	42,77	VN40640009088
	5	300	400x400	15	340	18	400x400	10	340	18	42,83	VN40640009098
	5	400	400x400	15	340	18	400x400	10	340	18	45,84	VN40640009099
	5	500	400x400	15	340	18	400x400	10	340	18	48,85	VN40640009100

FOR MORE
INFORMATION



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MASTS

Ø114.3



CONTACT YOUR
SALES REPRESENTATIVE

MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HEIGHT	Ø	EP	H	SIZE	EP	C-C	Ø	150X80X10	
Ø114	1000	Ø114,3	3,6	1000	300x300	10	250	14		VM25363009141
	2400	Ø114,3	3,6	2400	300x300	10	250	14		VM25363009144
	3000	Ø114,3	3,6	3000	300x300	10	250	14		VM25363009145
	4000	Ø114,3	3,6	4000	300x300	10	250	14		VM25363009147
	1500	Ø114,3	3,6	1500	300x300	10	250	16		VM25363009142
	1600	Ø114,3	3,6	1600	300x300	10	250	16		VM25353003399
	2000	Ø114,3	3,6	2000	300x300	10	250	16		VM25363003398
	2200	Ø114,3	3,6	2200	300x300	10	250	16		VG82032005645
	2400	Ø114,3	3,6	2400	300x300	10	250	16		V00273-00000
	2700	Ø114,3	3,6	2700	300x300	10	250	16		VG82032005646
	3500	Ø114,3	3,6	3500	300x300	10	250	16		VM25365003397
	2000	Ø114,3	3,6	2000	300x300	15	250	14		VM25363009175
	2400	Ø114,3	3,6	2400	300x300	15	250	14		VM25363009176
	3000	Ø114,3	3,6	3000	300x300	15	250	14		VM25363009177
	3500	Ø114,3	3,6	3500	300x300	15	250	14		VM25363009178
	4000	Ø114,3	3,6	4000	300x300	15	250	14		VM25363009179
	2000	Ø114,3	5	2000	300x300	10	250	14		VM25363009148
	2400	Ø114,3	5	2400	300x300	10	250	14		VM25363009149
	3000	Ø114,3	5	3000	300x300	10	250	14		VM25363009150
	3500	Ø114,3	5	3500	300x300	10	250	14		VM25363009151
	4000	Ø114,3	5	4000	300x300	10	250	14		VM25363009152
	2400	Ø114,3	5	2400	300x300	15	250	14		VM25363009180
	3000	Ø114,3	5	3000	300x300	15	250	14		VM25363009181
	3500	Ø114,3	5	3500	300x300	15	250	14		VM25363009182
	4000	Ø114,3	5	4000	300x300	15	250	14		VM25363009183
	2000	Ø114,3	6	2000	300x300	15	250	16		VM25363003396
	2400	Ø114,3	6	2400	300x300	15	250	16		V00274-00000
	3200	Ø114,3	6	3200	300x300	15	250	16		VG82032005647
	3500	Ø114,3	6	3500	300x300	15	250	16		VM25365003395
	3700	Ø114,3	6	3700	300x300	15	250	16		VG82032005648
	4000	Ø114,3	6	4000	300x300	15	250	16		VM25363009186
	2000	Ø114,3	6,3	2000	300x300	10	250	14		VM25363009282
	3000	Ø114,3	6,3	3000	300x300	10	250	14		VM25363009153
	3500	Ø114,3	6,3	3500	300x300	10	250	14		VM25363009154
	4000	Ø114,3	6,3	4000	300x300	10	250	14		VM25363009155
	2000	Ø114,3	6,3	3000	300x300	15	250	14		VM25363009714
	3000	Ø114,3	6,3	3000	300x300	15	250	14		VM25363009184
	3500	Ø114,3	6,3	3500	300x300	15	250	14		VM25363009185
	2000	Ø114,3	8	2000	300x300	15	250	16		VM25363003394

WITH



Mast Assembly: 1 tube, 1 end cap, 1 base plate, with or without 4 gussets

References in Stock at the Best Price

TUBES (mm)

- » diameters : Ø48,3 ; Ø60,3 ; Ø76,1 ; Ø88,9 ; Ø114,3 ; Ø139,7
- » thicknesses : 2,9 ; 3,2 ; 3,6 ; 4 ; 5 ; 6 ; 6,3 ; 8
- » heights : 1000 à 4000 mm

PLATES (mm)

- » 2 dimensions : 300x300 ; 400x400
- » 3 thicknesses : 5 ; 10 ; 15



MASTS		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HAUTEUR	Ø	EP	H	TAILLE	EP	ENTRAXE	Ø	150X80X10	
Ø114	1000	Ø114,3	3,6	1000	400x400	10	340	18		VM25363009212
	1500	Ø114,3	3,6	1500	400x400	10	340	18		VM25363009213
	2000	Ø114,3	3,6	2000	400x400	10	340	18		VM25363009214
	2400	Ø114,3	3,6	2400	400x400	10	340	18		VM25363009215
	3000	Ø114,3	3,6	3000	400x400	10	340	18		VM25363009216
	3500	Ø114,3	3,6	3500	400x400	10	340	18		VM25363009217
	4000	Ø114,3	3,6	4000	400x400	10	340	18		VM25363009218
	2000	Ø114,3	3,6	2000	400x400	15	340	18		VM25363009244
	2400	Ø114,3	3,6	2400	400x400	15	340	18		VM25363009245
	3000	Ø114,3	3,6	3000	400x400	15	340	18		VM25363009246
	3500	Ø114,3	3,6	3500	400x400	15	340	18		VM25363009247
	4000	Ø114,3	3,6	4000	400x400	15	340	18		VM25363009248
	2000	Ø114,3	5	2000	400x400	10	340	18		VM25363009576
	2400	Ø114,3	5	2400	400x400	10	340	18		VM25363009219
	3000	Ø114,3	5	3000	400x400	10	340	18	WITH	VM25363009220
	3500	Ø114,3	5	3500	400x400	10	340	18		VM25363009221
	4000	Ø114,3	5	4000	400x400	10	340	18		VM25363009222
	2400	Ø114,3	5	2400	400x400	15	340	18		VM25363009249
	3000	Ø114,3	5	3000	400x400	15	340	18		VM25363009250
	3500	Ø114,3	5	3500	400x400	15	340	18		VM25363009251
	4000	Ø114,3	5	4000	400x400	15	340	18		VM25363009252
	2400	Ø114,3	6,3	2400	400x400	10	340	18		VM25363009223
	3000	Ø114,3	6,3	3000	400x400	10	340	18		VM25363009224
	3500	Ø114,3	6,3	3500	400x400	10	340	18		VM25363009225
4000	Ø114,3	6,3	4000	400x400	10	340	18		VM25363009226	
3000	Ø114,3	6,3	3000	400x400	15	340	18		VM25363009253	
3500	Ø114,3	6,3	3500	400x400	15	340	18		VM25363009254	
4000	Ø114,3	6,3	4000	400x400	15	340	18		VM25363009255	

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

MASTS



**CONTACT YOUR
SALES REPRESENTATIVE**

Ø88.9

MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE	
Ø	HEIGHT	Ø	EP	H	SIZE	EP	C-C	Ø	150X80X10		
Ø90	1200	Ø88,9	3	1200	300x300	10	250	14		VM25355003384	
	1500	Ø88,9	3	1500	300x300	10	250	14		VM25353003383	
	1000	Ø88,9	3,2	1000	300x300	10	250	14		VM25363009129	
	1500	Ø88,9	3,2	1500	300x300	10	250	14		VM25363009130	
	2000	Ø88,9	3,2	2000	300x300	10	250	14		VM25363009131	
	2400	Ø88,9	3,2	2400	300x300	10	250	14		VM25363009132	
	3000	Ø88,9	3,2	3000	300x300	10	250	14		VM25363009133	
	1000	Ø88,9	3,2	1000	300x300	15	250	14		VM25363009162	
	1500	Ø88,9	3,2	1500	300x300	15	250	14		VM25363009163	
	2000	Ø88,9	3,2	2000	300x300	15	250	14		VM25363009164	
	2400	Ø88,9	3,2	2400	300x300	15	250	14		VM25363009165	
	3000	Ø88,9	3,2	3000	300x300	15	250	14		VM25363009166	
	3500	Ø88,9	3,2	3500	300x300	15	250	14		VM25363009167	
	4000	Ø88,9	3,2	4000	300x300	15	250	14		VM25363009168	
		1800	Ø88,9	3,6	1800	300x300	10	250	16	WITH	VM25355003391
		1000	Ø88,9	5	1000	300x300	10	250	14		VM25363009134
		1500	Ø88,9	5	1500	300x300	10	250	14		VM25363009135
		2000	Ø88,9	5	2000	300x300	10	250	14		VM25363009136
		2400	Ø88,9	5	2400	300x300	10	250	14		VM25363009137
		3000	Ø88,9	5	3000	300x300	10	250	14		VM25363009138
		3500	Ø88,9	5	3500	300x300	10	250	14		VM25363009139
		4000	Ø88,9	5	4000	300x300	10	250	14		VM25363009140
		1500	Ø88,9	5	1500	300x300	15	250	14		VM25363009169
		2000	Ø88,9	5	2000	300x300	15	250	14		VM25363009170
		2400	Ø88,9	5	2400	300x300	15	250	14		VM25363009171
		3000	Ø88,9	5	3000	300x300	15	250	14		VM25363009172
		3500	Ø88,9	5	3500	300x300	15	250	14		VM25363009173
		4000	Ø88,9	5	4000	300x300	15	250	14		VM25363009174



Mast Assembly: 1 tube, 1 end cap, 1 base plate, with or without 4 gussets

References in Stock at the Best Price

TUBES (mm)

- » diameters : Ø48,3 ; Ø60,3 ; Ø76,1 ; Ø88,9 ; Ø114,3 ; Ø139,7
- » thicknesses : 2,9 ; 3,2 ; 3,6 ; 4 ; 5 ; 6 ; 6,3 ; 8
- » heights : 1000 à 4000 mm

PLATES (mm)

- » 2 dimensions : 300x300 ; 400x400
- » 3 thicknesses : 5 ; 10 ; 15



MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HEIGHT	Ø	EP	H	SIZE	EP	C-C	Ø	150X80X10	
Ø90	2000	Ø88,9	3,2	2000	400x400	10	340	18	WITH	VM25363009202
	2400	Ø88,9	3,2	2400	400x400	10	340	18		VM25363009203
	3000	Ø88,9	3,2	3000	400x400	10	340	18		VM25363009204
	3500	Ø88,9	3,2	3500	400x400	10	340	18		VM25363009205
	4000	Ø88,9	3,2	4000	400x400	10	340	18		VM25363009206
	2000	Ø88,9	3,2	2000	400x400	15	340	18		VM25363009234
	2400	Ø88,9	3,2	2400	400x400	15	340	18		VM25363009235
	3000	Ø88,9	3,2	3000	400x400	15	340	18		VM25363009236
	3500	Ø88,9	3,2	3500	400x400	15	340	18		VM25363009237
	4000	Ø88,9	3,2	4000	400x400	15	340	18		VM25363009238
	2000	Ø88,9	5	2000	400x400	10	340	18		VM25363009207
	2400	Ø88,9	5	2400	400x400	10	340	18		VM25363009208
	3000	Ø88,9	5	3000	400x400	10	340	18		VM25363009209
	3500	Ø88,9	5	3500	400x400	10	340	18		VM25363009210
	4000	Ø88,9	5	4000	400x400	10	340	18		VM25363009211
	2000	Ø88,9	5	2000	400x400	15	340	18		VM25363009239
	2400	Ø88,9	5	2400	400x400	15	340	18		VM25363009240
	3000	Ø88,9	5	3000	400x400	15	340	18		VM25363009241
	3500	Ø88,9	5	3500	400x400	15	340	18		VM25363009242
	4000	Ø88,9	5	4000	400x400	15	340	18		VM25363009243

MASTS

Ø48.3

MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HEIGHT	Ø	EP	H	SIZE	EP	C-C	Ø	150X80X10	
Ø48	500	Ø48.3	2,9	500	300x300	10	250	14	WITHOUT	VM25359003379
	1000	Ø48.3	2,9	1000	300x300	10	250	14	WITH	VM25359002565
	1500	Ø48.3	2,9	1500	300x300	10	250	14		VM25359002563
	2000	Ø48.3	2,9	2000	300x300	10	250	14		VM25359002562
	2500	Ø48.3	2,9	2500	300x300	10	250	14		VM25359003380
	3000	Ø48.3	2,9	3000	300x300	10	250	16		VM25359001193

Ø60.3

MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HEIGHT	Ø	EP	H	SIZE	EP	C-C	Ø	150X80X10	
Ø60	1500	Ø60.3	1,5	1500	300x300	5	250	14	WITHOUT	VM25359000976
	1000	Ø60.3	2,9	1000	300x300	10	250	14	WITH	VM25363009101
	1500	Ø60.3	2,9	1500	300x300	10	250	14		VM25359003401
	2000	Ø60.3	2,9	2000	300x300	10	250	14		VM25363009103
	2400	Ø60.3	2,9	2400	300x300	10	250	14		VM25363009104
	1000	Ø60.3	3,2	1000	300x300	10	250	14		VM25363009105
	1500	Ø60.3	3,2	1500	300x300	10	250	14		VM25363009106
	2000	Ø60.3	3,2	2000	300x300	10	250	14		VM25363009107
	2400	Ø60.3	3,2	2400	300x300	10	250	14		VM25363009108
	1000	Ø60.3	5	1000	300x300	10	250	14		VM25363009109
	1500	Ø60.3	5	1500	300x300	10	250	14		VM25363009110
	2000	Ø60.3	5	2000	300x300	10	250	14		VM25363009111
	2400	Ø60.3	5	2400	300x300	10	250	14		VM25363009112
	3000	Ø60.3	5	3000	300x300	10	250	14		VM25363009113



Mast Assembly: 1 tube, 1 end cap, 1 base plate, with or without 4 gussets

References in Stock at the Best Price



Ø76.1

MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HEIGHT	Ø	EP	H	SIZE	EP	C-C	Ø	150X80X10	
Ø76	1000	Ø76,1	2,9	1000	300x300	10	250	14	WITH	VM25363009114
	1500	Ø76,1	2,9	1500	300x300	10	250	14		VM25363009115
	2000	Ø76,1	2,9	2000	300x300	10	250	14		VM25363009116
	2400	Ø76,1	2,9	2400	300x300	10	250	14		VM25363009117
	3000	Ø76,1	2,9	3000	300x300	10	250	14		VM25363009118
	1200	Ø76,1	3	1200	300x300	10	250	14		VM25355003385
	1000	Ø76,1	3,2	1000	300x300	10	250	14		VM25363009119
	1500	Ø76,1	3,2	1500	300x300	10	250	14		VM25363009120
	2000	Ø76,1	3,2	2000	300x300	10	250	14		VM25363009121
	2400	Ø76,1	3,2	2400	300x300	10	250	14		VM25363009122
	3000	Ø76,1	3,2	3000	300x300	10	250	14		VM25363009123
	1000	Ø76,1	5	1000	300x300	10	250	14		VM25363009124
	1500	Ø76,1	5	1500	300x300	10	250	14		VM25363009125
	2000	Ø76,1	5	2000	300x300	10	250	14		VM25363009126
	2400	Ø76,1	5	2400	300x300	10	250	14		VM25363009127
	3000	Ø76,1	5	3000	300x300	10	250	14		VM25363009128

Ø76	1000	Ø76,1	2,9	1000	400x400	10	340	18	WITH	VM25363009187
	1500	Ø76,1	2,9	1500	400x400	10	340	18		VM25363009188
	2000	Ø76,1	2,9	2000	400x400	10	340	18		VM25363009189
	2400	Ø76,1	2,9	2400	400x400	10	340	18		VM25363009190
	3000	Ø76,1	2,9	3000	400x400	10	340	18		VM25363009191
	1000	Ø76,1	3,2	1000	400x400	10	340	18		VM25363009192
	1500	Ø76,1	3,2	1500	400x400	10	340	18		VM25363009193
	2000	Ø76,1	3,2	2000	400x400	10	340	18		VM25363009194
	2400	Ø76,1	3,2	2400	400x400	10	340	18		VM25363009195
	3000	Ø76,1	3,2	3000	400x400	10	340	18		VM25363009196
	1000	Ø76,1	5	1000	400x400	10	340	18		VM25363009197
	1500	Ø76,1	5	1500	400x400	10	340	18		VM25363009198
	2000	Ø76,1	5	2000	400x400	10	340	18		VM25363009199
	2400	Ø76,1	5	2400	400x400	10	340	18		VM25363009200
	3000	Ø76,1	5	3000	400x400	10	340	18		VM25363009201

If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.



Ø139.7

MAST		TUBE			PLATE		BASE PLATE HOLES		GUSSETS	REFERENCE
Ø	HAUTEUR	Ø	EP	H	TAILLE	EP	ENTRAXE	Ø	150X80X10	
Ø139	3000	Ø139,7	4	3000	300x300	10	250	14	WITH	VM25363009156
	3500	Ø139,7	4	3500	300x300	10	250	14		VM25363009157
	4000	Ø139,7	4	4000	300x300	10	250	14		VM25363009158
	3000	Ø139,7	5	3000	300x300	10	250	14		VM25363009159
	3500	Ø139,7	5	3500	300x300	10	250	14		VM25363009160
	4000	Ø139,7	5	4000	300x300	10	250	14		VM25363009161

Ø139	2400	Ø139,7	4	2400	400x400	10	340	18	WITH	VM25363009227
	3000	Ø139,7	4	3000	400x400	10	340	18		VM25363009228
	3500	Ø139,7	4	3500	400x400	10	340	18		VM25363009229
	4000	Ø139,7	4	4000	400x400	10	340	18		VM25363009230
	2400	Ø139,7	4	2400	400x400	15	340	18		VM25363009256
	3000	Ø139,7	4	3000	400x400	15	340	18		VM25363009257
	3500	Ø139,7	4	3500	400x400	15	340	18		VM25363009258
	4000	Ø139,7	4	4000	400x400	15	340	18		VM25363009259
	3000	Ø139,7	5	3000	400x400	10	340	18		VM25363009231
	3500	Ø139,7	5	3500	400x400	10	340	18		VM25363009232
	4000	Ø139,7	5	4000	400x400	10	340	18		VM25363009233
	3000	Ø139,7	5	3000	400x400	15	340	18		VM25363009260
	3500	Ø139,7	5	3500	400x400	15	340	18		VM25363009261
	4000	Ø139,7	5	4000	400x400	15	340	18		VM25363009262



Mast Assembly: 1 tube, 1 end cap, 1 base plate, with or without 4 gussets » **References in Stock at the Best Price**

TUBES (mm)

» diameters: Ø48,3; Ø60,3; Ø76,1; Ø88,9; Ø114,3; Ø139,7

» thicknesses : 2,9; 3,2; 3,6; 4; 5; 6; 6,3; 8

» heights: 1000 à 4000 mm

PLATES (mm)

» 2 dimensions : 300x300; 400x400

» 3 thicknesses: 5; 10; 15





If you can't find a product that meets your requirements, our engineering team can develop custom solutions for you.

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FREE-STANDING SOLUTIONS

BALLASTS

FIMO PAD BASE	
V00069-00000	6
RESILIENT PAD BASE	
V00071-00000	6
POLYSTYRENE PAD BASE	
VN59956003318	6
ELASTOMER PAD BASE	
VN39628007339	7
HEXAGONAL PAD BASE	
VN13187003213	7

BALLASTS MATS

FIMO pad base assembly principle	
Preconfigured FIMO pad base mats	
VN39629001003	9
VN39629001004	9
VN39629001005	9
VN39629003615	9
VN39629001001	9
VN39629001002	9

ANTENNA SUPPORTS

DUAL COPLANAR ANTENNAS	
VN61973003513	10
VN61973004880	10
VN61973004165	11
VN61975003806	11
5G ANTENNAS	
VN61973003665	12
VN61973003610	13
VN61973003827	13
MODULITE – HIGH-HEIGHT ANTENNAS	
VN27418001052	14
VN27418001054	14
VN27418005255	15
VN27418005257	15
VN27418001053	16
VN27418005256	16
VN32502003243	17
VN61973007342	17
VN61973007343	17
MÂTLITE V2	
V00072-00000	18
V00075-00000	18
V00077-00000	18
V00073-00000	18
V00076-00000	18
V00078-00000	18
V00074-00000	18

FH SUPPORTS

FH30 AND FH60	
VN61973001017	20
VN61973001020	20
VN61973007340	22
VN61973007341	23
VN61973001019	24
VN61973001021	25

EQUIPMENT RACK SUPPORTS

UNIVERSAL EQUIPMENT RACK SUPPORTS	
VN61973001067	26
VN61973006823	26
VN61973007036	27
VN61973001068	28
VN61973007889	28
VN61973007035	29
VN61973001071	30

TECHNICAL ZONES AND EQUIPMENT SUPPORTS

VN61973001072	30
VN61973001077	31
VN61973009302	31
VN61973001069	31
VN61973001075	31
VN61973001070	31
VN61973001076	31
VN61973001073	31
VN61973001078	31
VN61973001074	31
VN61973006807	31
VN48999003155	31
VN48999003156	31
VN61973006808	31
VN61973006809	31
VN61973006806	31
VN48775009316	32
VN48775009501	32
VN48775009370	33
VN48775009500	33
VN48775009717	34
VN48775009718	34
VN48775009719	35
VN48775009754	35
VN48775009756	36
VN48775009757	37
VN48775009755	37
V00002-00000	37
VN61973001064	38
V00155-00000	39
VN61973007384	39

RRU/RRH SUPPORTS

MOUNTING RACKS

VN61973000977	40
VN61973002739	40
VN61973000998 (3-lb>V-40m)	41
VN61973000988 (3-lb>V-40m)	41
VN61973000923 (3-lb>V-40m)	42
VN61973000923 (3-0>V-30m)	43
VN61973000981	44
VN61973000989	44
VN61973000998 (3-0>V-30m)	45
VN61973000988 (3-0>V-30m)	45
VN61973007892	45

MOUNTING MASTS

VN61973007335	46
VN61973007336	47
VN61973001040	48
VN61973000996	48
VN61973000999	48
VN61973001034	49
VN61973000994	49
VN61973001038	50
VN61973000997	50
VN61973001000	50
VN61973001036	51
VN61973000995	51

TD SUPPORTS

TD ENCLOSURES

VN61973001043	52
VN61973001044	52
VN61973006817	52
VN61973000990	53
VN61973000991	54
VN61973006820	54
VN61973006819	55
VN61973001045	55
VN61973001046	55
VN61973006818	55

SMART CITY

OMNIDIRECTIONAL ANTENNA

VN61973002581	56
VN61973002575	56
VN61973002586	57
VN61973002597	57
VN61973001192	57

INTERCONNECTION TERMINAL

VN61973001024	58
VN61973001023	58

GPS ANTENNAS

VN61973004839	60
VN61973004840	60
VN61973004841	61

VIDEO SURVEILLANCE

VN61973001007 VN61973001006	62
	62

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FIXED SOLUTIONS

ANTENNA SUPPORTS

NON-INTEGRATED

VN61977007903	66
VN61977007905	66
VN61977007904	67
VN61977007906	67
VN61973006780	68

EQUIPMENT RACK SUPPORTS

TECHNICAL ZONES AND EQUIPMENT SUPPORTS

VN61973006781	68
VN61973006782	69
VN48773008390	69
V00013-00000	70
V00014-00000	70
V00015-00000	71
VN48775009755	
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