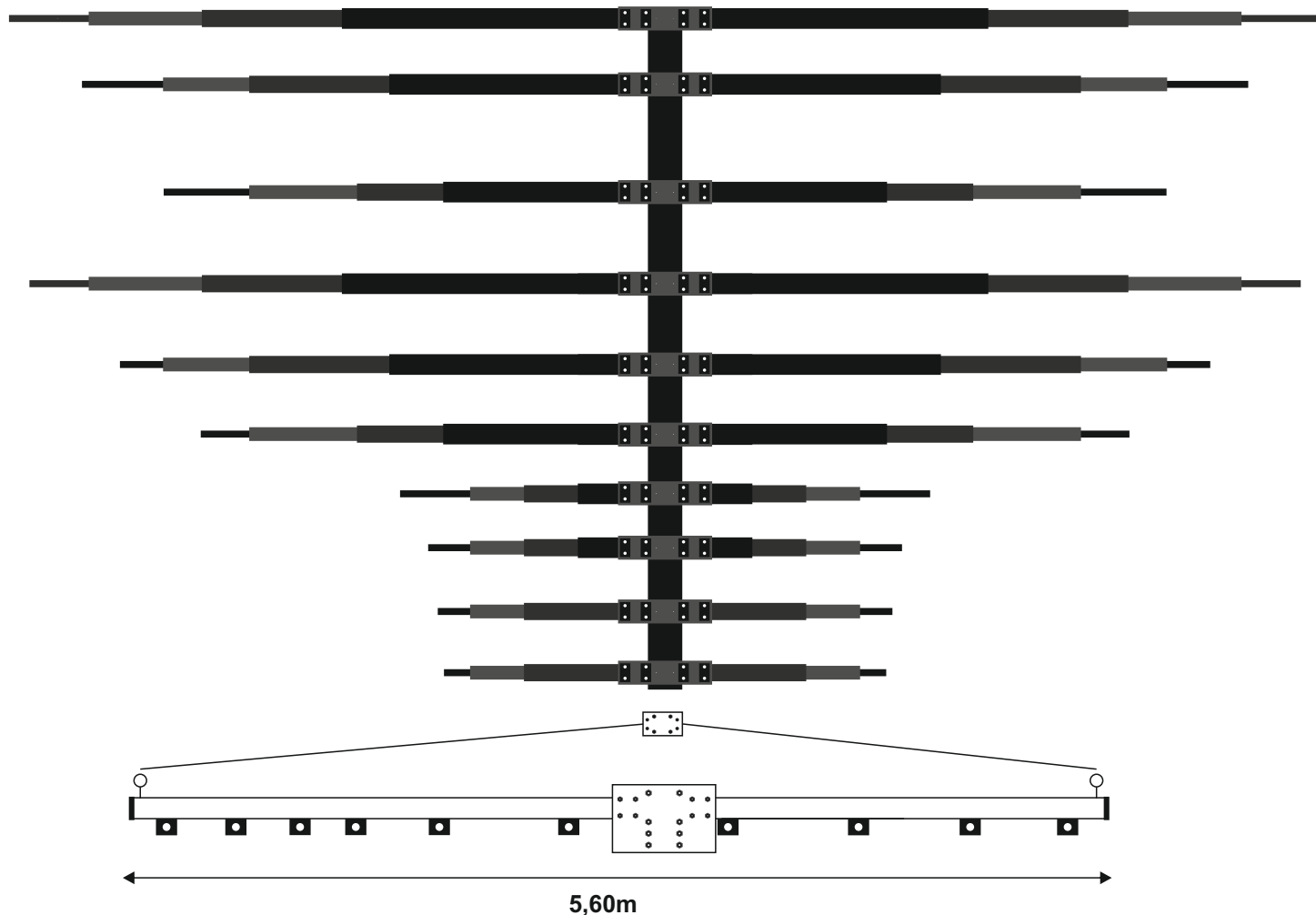




EAntenna 59+

Artikel nr: 17820.5B10

MULTIBAND YAGI ANTENNA



FREQUENCY	ELEMENTS PER BAND	GAIN	F/B RATIO	LONGEST ELEMENT	BOOM LENGTH	TURNING RADIUS	WEIGHT	DIAMETER MAST
14,0~14,35 MHz.	7	6,8 dBi	>22 dB	10,87m.	5,75m.	5,98m	38,8 kg.	30~65Ø mm
18,0~18,2 MHz.	7	6,9 dBi	>22 dB					
21,0~21,45 MHz.	7	7,2 dBi	>22 dB					
24,8~25,0 MHz.	6	7,8 dBi	>25 dB					
28,0~29,7 MHz.	7	8,0 dBi	>25 dB					

Peso: 38,8 Kg.

Max. Potencia: 10,0 kW*

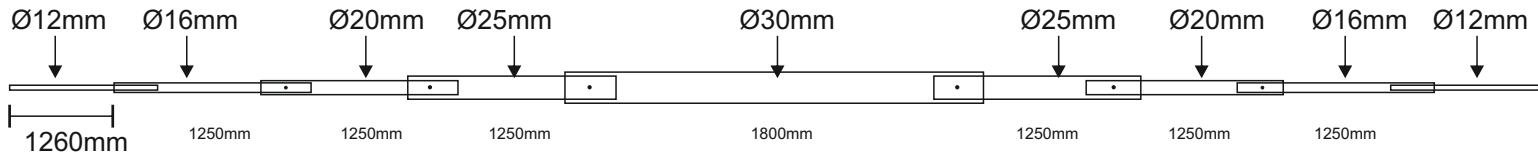
* Esta antena incluye balun 3kW

This antenna includes 3kW balun

Rev. v1.7 - 31/03/2021

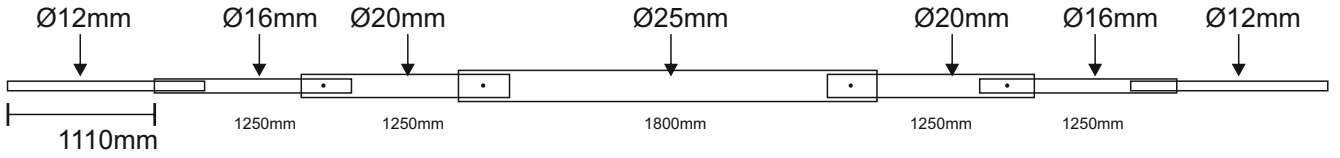
59+ REF20

Total Length: 10920mm



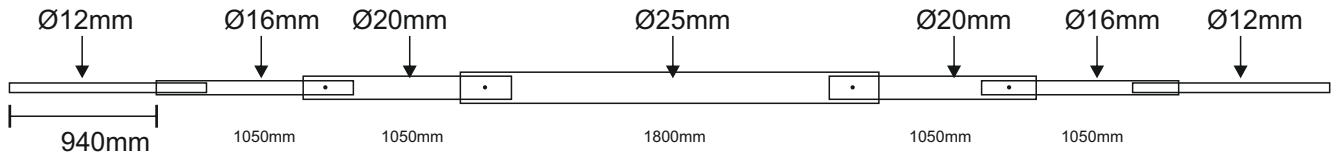
59+ REF17

Total Length: 8420mm



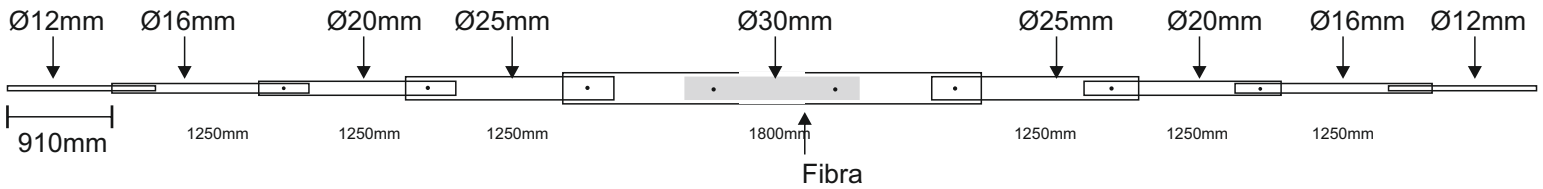
59+ REF15

Total Length: 7280mm



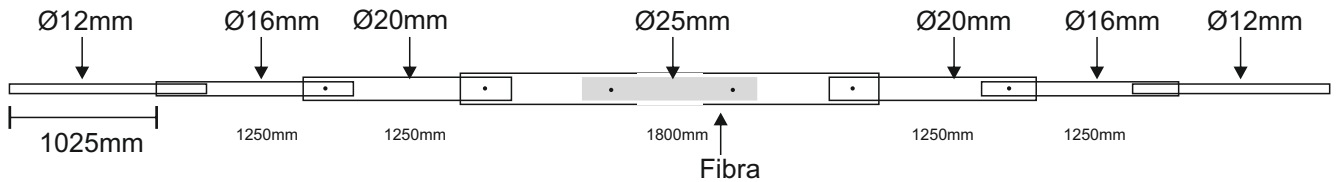
59+ DE20

Total Length: 10220mm



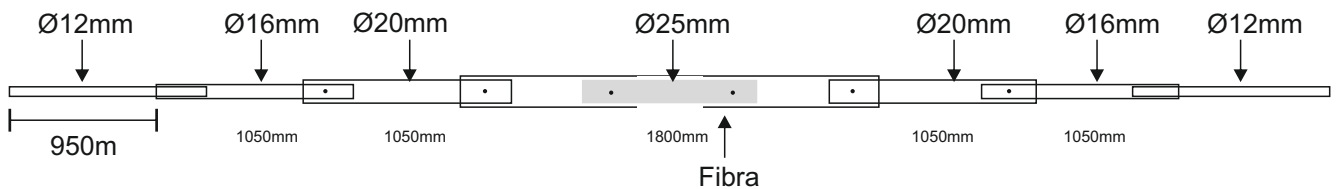
59+ DE17

Total Length: 8250mm



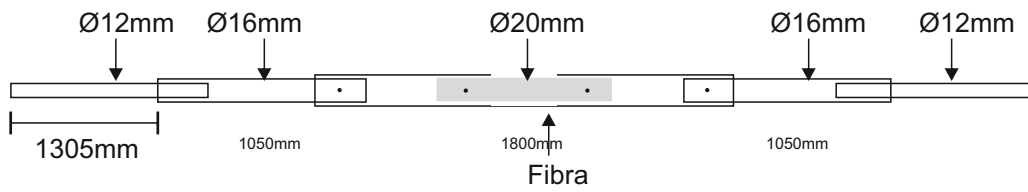
59+ DE15

Total Length: 7300mm



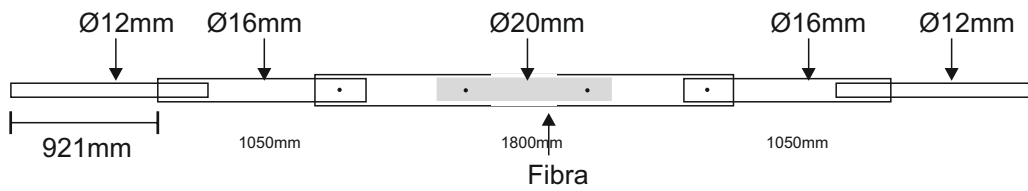
59+ DE12

Total Length: 6210mm



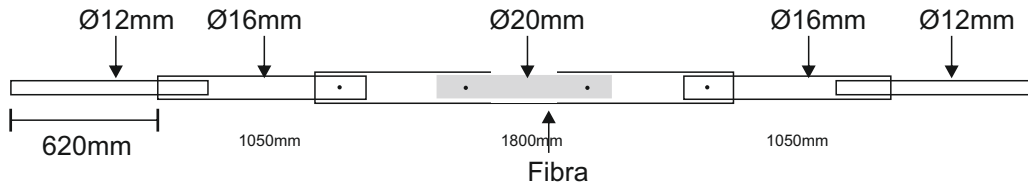
59+ DE10A

Total Length: 5442mm



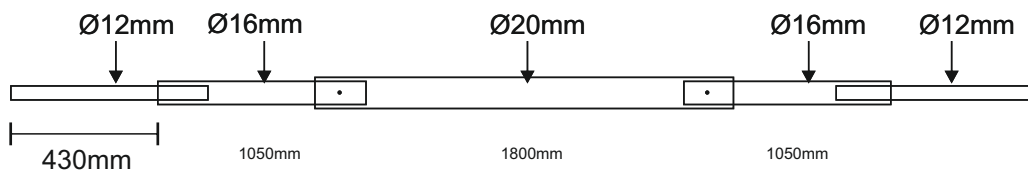
59+ DE10B

Total Length: 4840mm



59+ D1-10

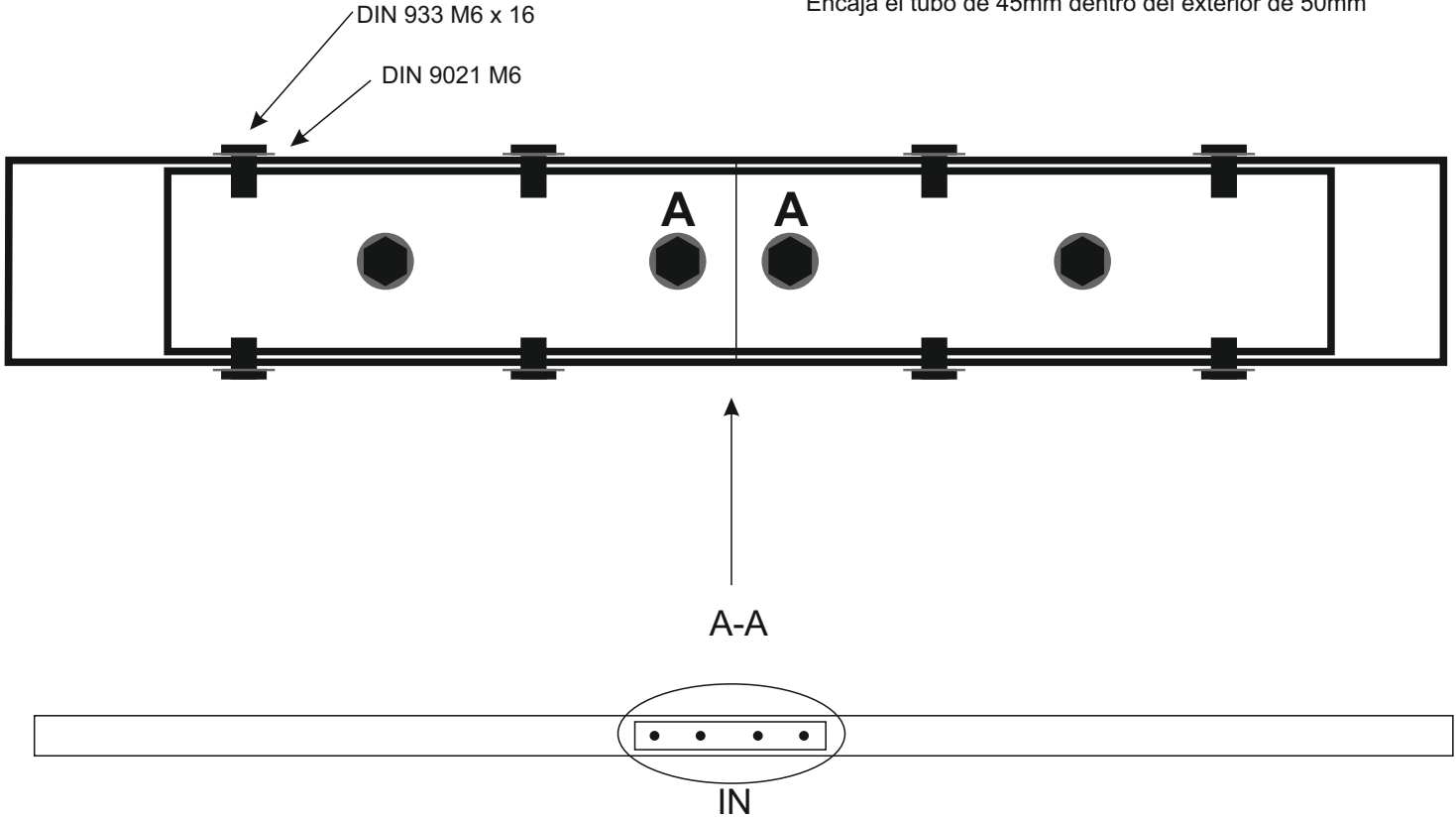
Total Length: 4460mm



UNION DEL BOOM BOOM JOINT

ESPAÑOL

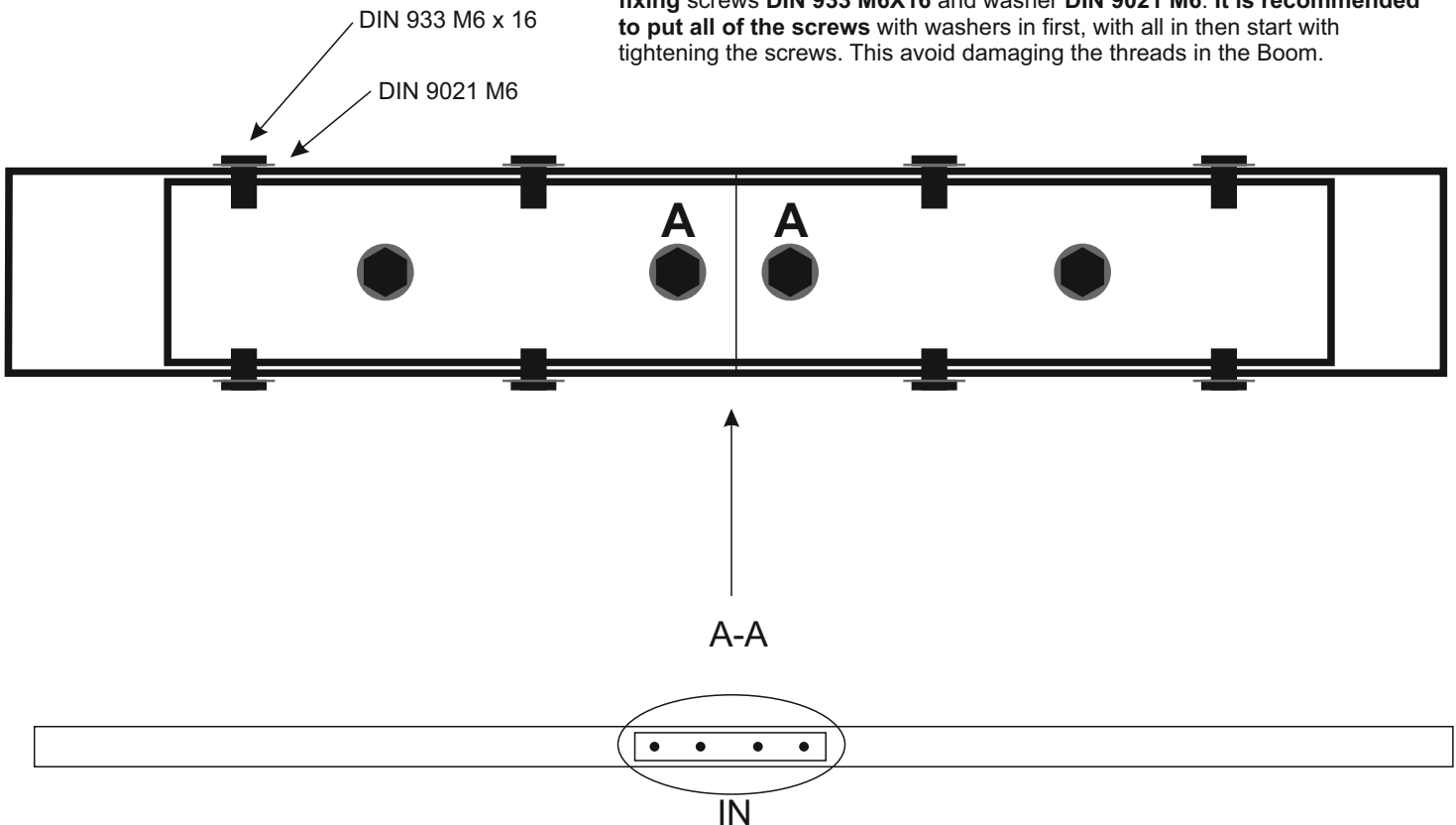
La pieza interior está roscada, no hace falta hacer mediciones
Selecciona las uniones que coincidan A-A antes de fijar ningún tornillo
Encaja el tubo de 45mm dentro del exterior de 50mm

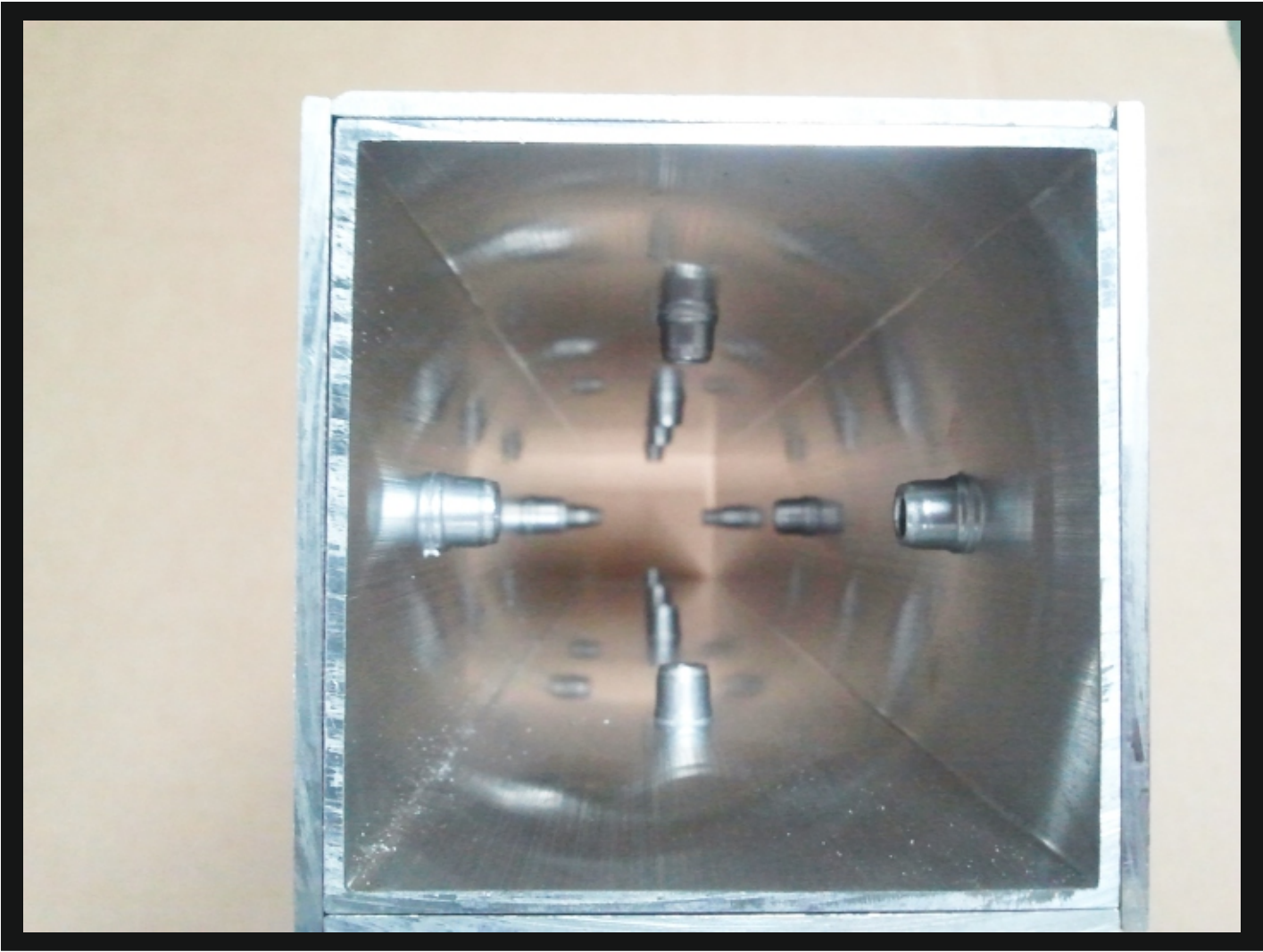


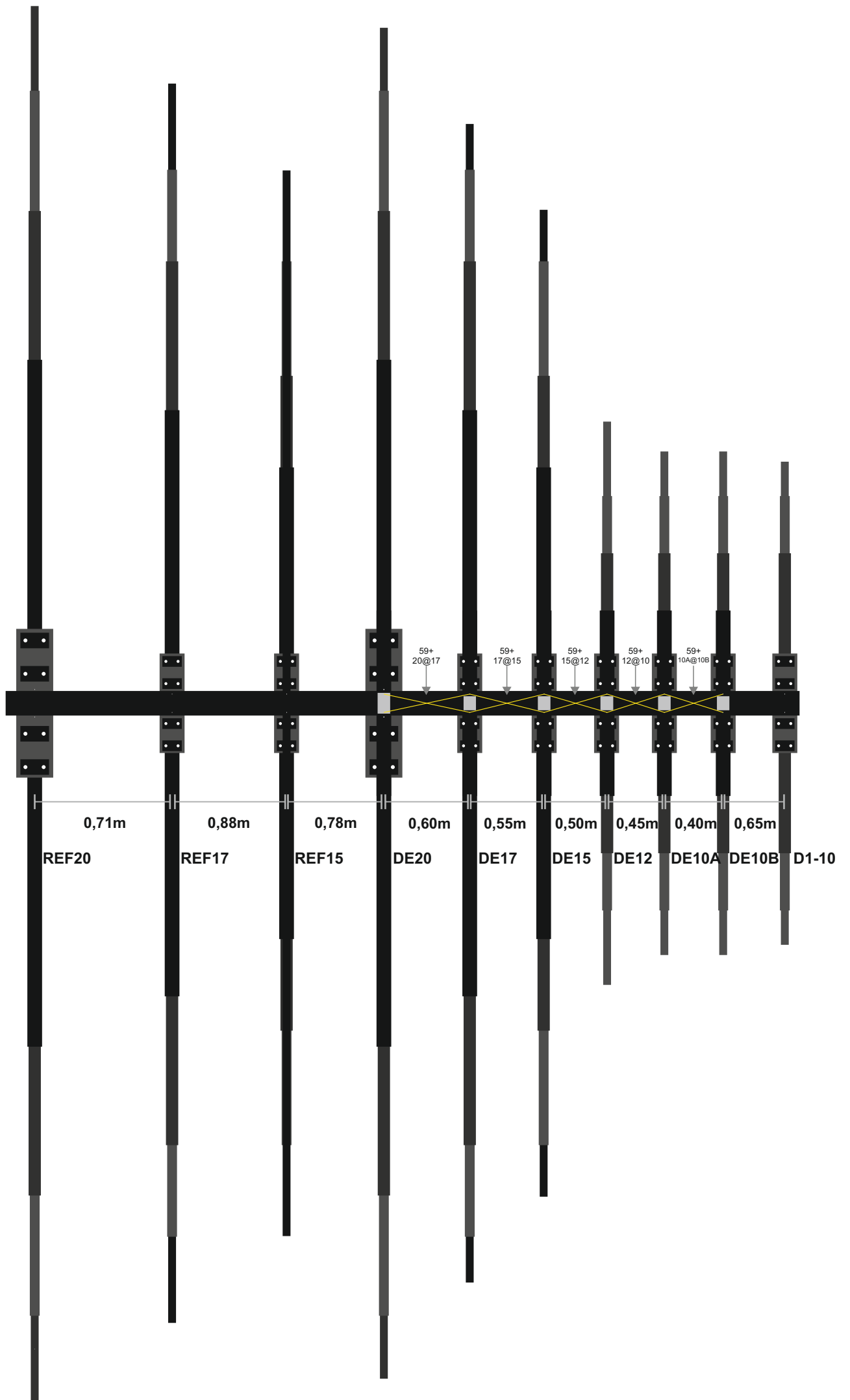
UNION DEL BOOM BOOM JOINT

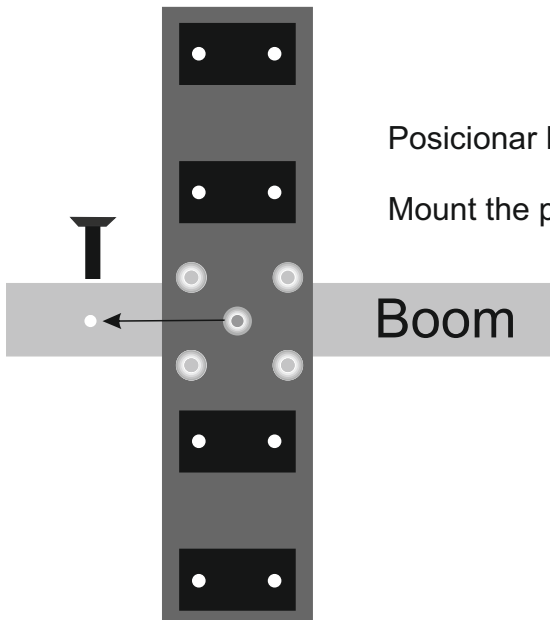
ENGLISH

To assemble the **BOOM**, you have to **match frontally** boom parts with the **same letter** (eg: AA, BB, CC etc), and once done, the boom inserts **go with fixing screws DIN 933 M6X16** and washer **DIN 9021 M6**. **It is recommended to put all of the screws** with washers in first, with all in then start with tightening the screws. This avoid damaging the threads in the Boom.





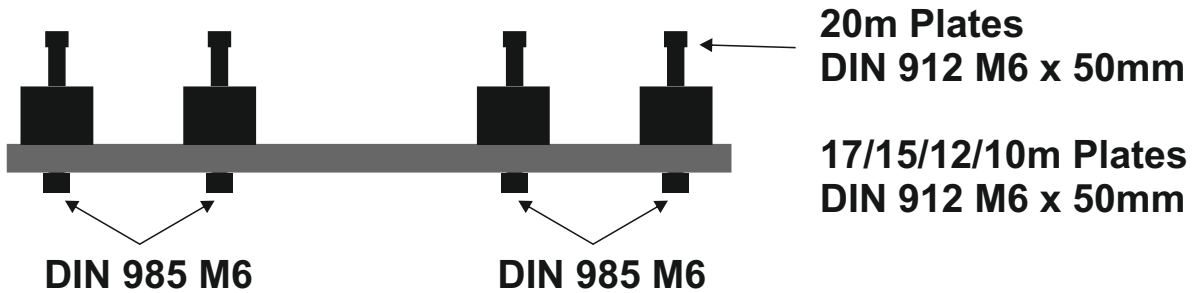




Posicionar la placa, centrandola con el DIN 7991 M6x30

Mount the plate centered with DIN 7991 M6x30

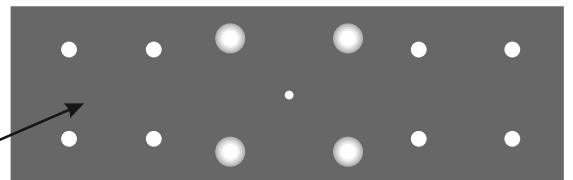
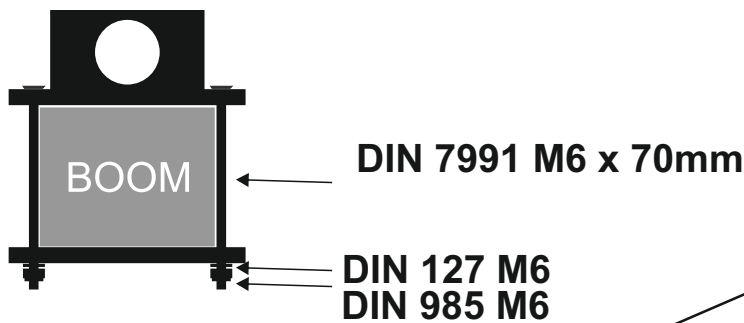
Unión de Plasticos a la Placa Mounting the green blocks to the plates



Sistema Double P ©EAntenna
Double P ©EAntenna System

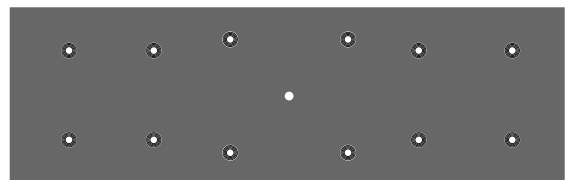
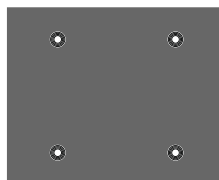
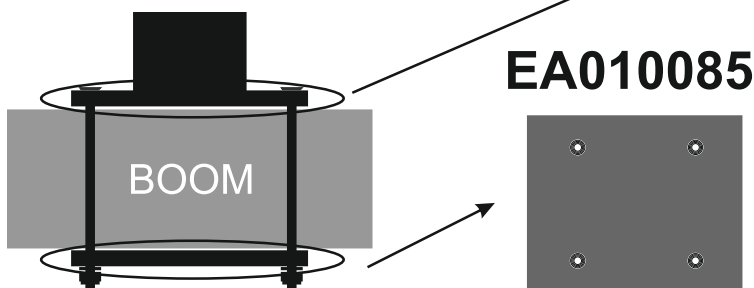
EA010270 / EA010272

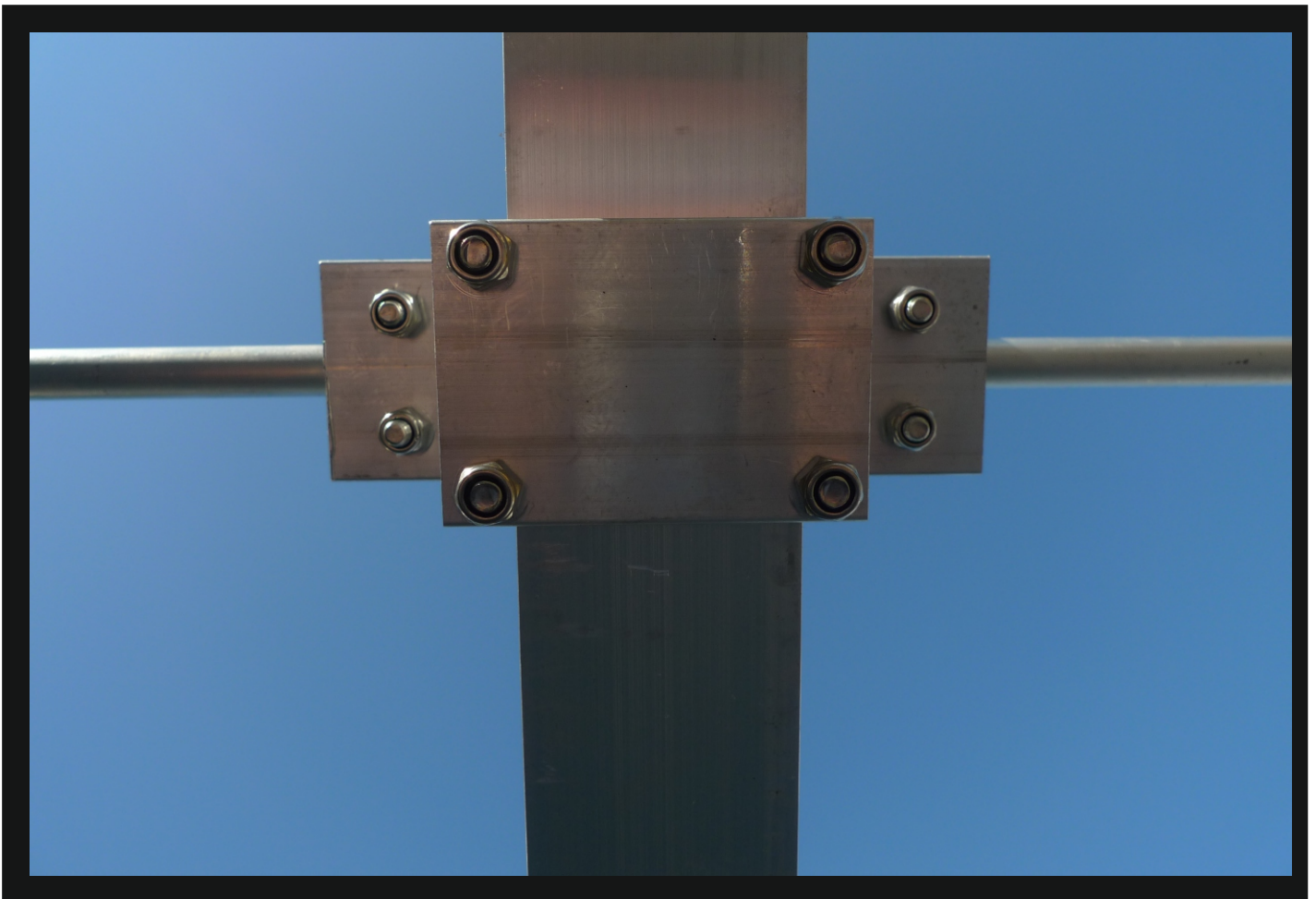
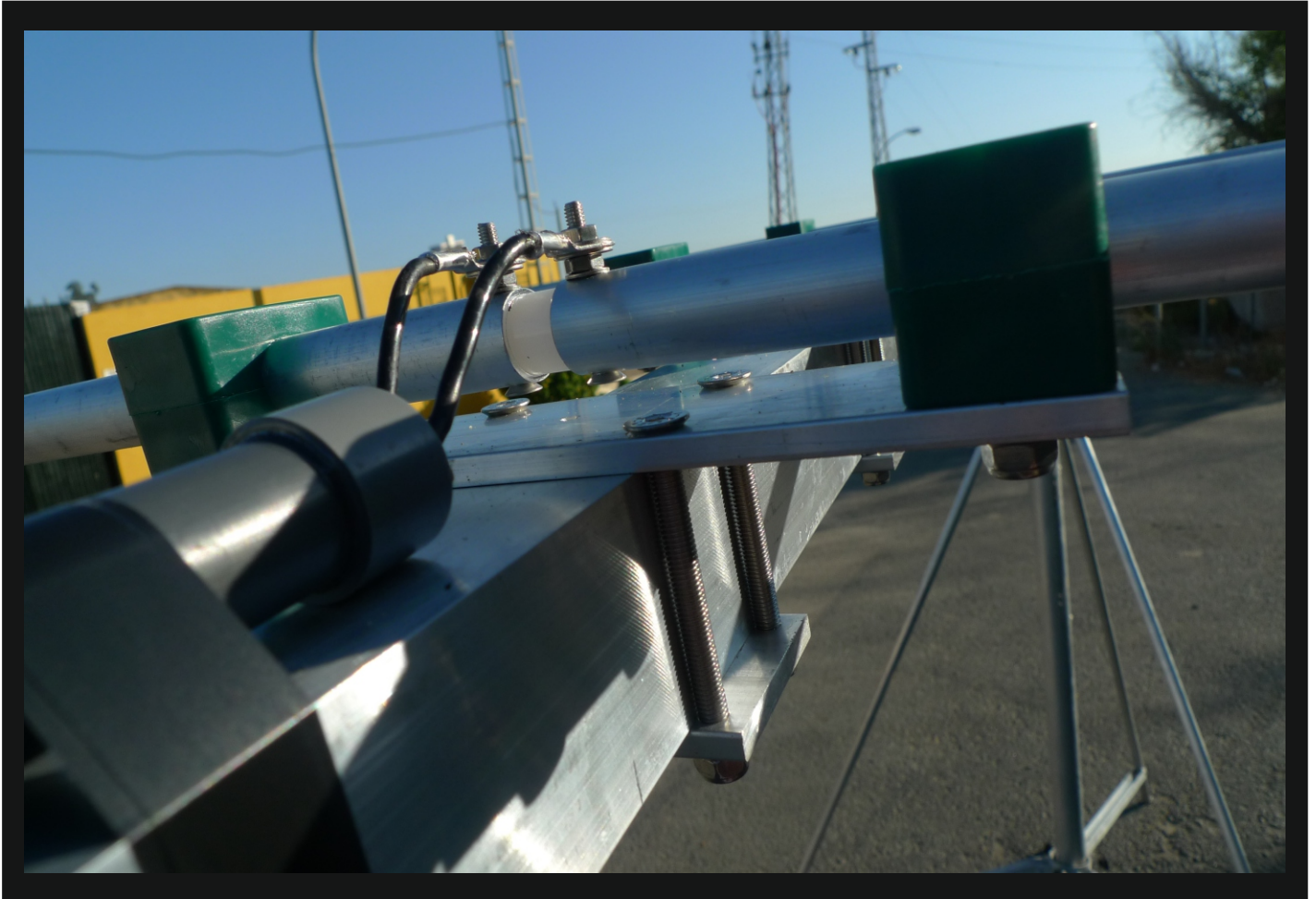
La cabeza del tornillo queda alojada en la placa superior
The screw head is housed into the top plate



El tornillo rosca directamente en la placa inferior y queda justo pegado al boom para bloquear la placa superior y lateralmente.

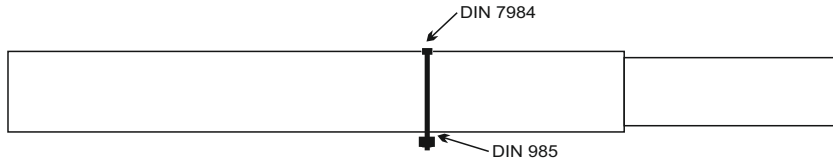
The DIN 7991 screw directly into the bottom plate. With this 4 screws, the plate is totally blocked to have the element inline..



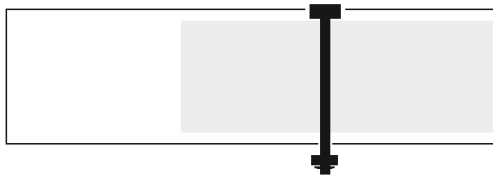




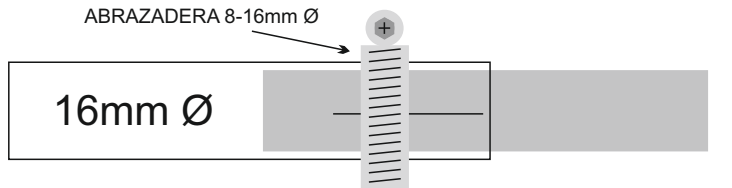
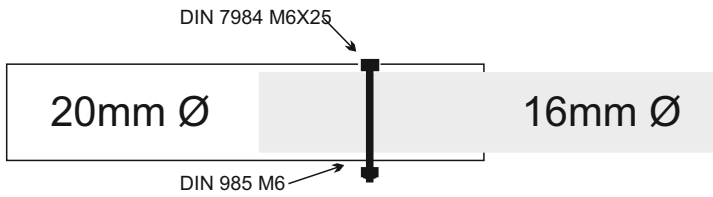
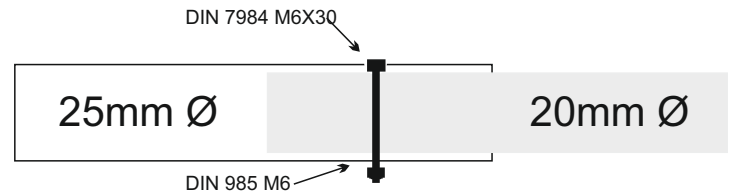
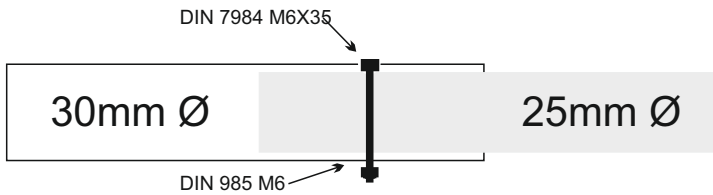
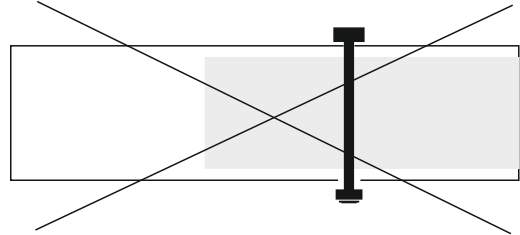
El ensamblaje de los elementos, una vez seleccionadas todas las longitudes, localizadas y separadas por se fijarían mediante los tornillos DIN 7984 como aparece detallado debajo. Tener en cuenta que la **cabeza del tornillo** tiene que **quedar alojada dentro del hueco de mas diámetro del elemento**.



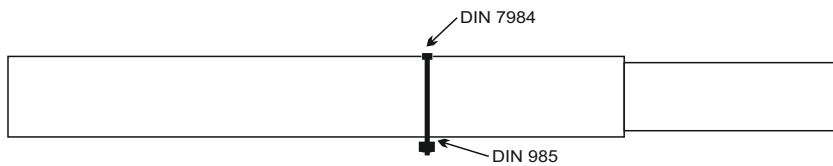
SI



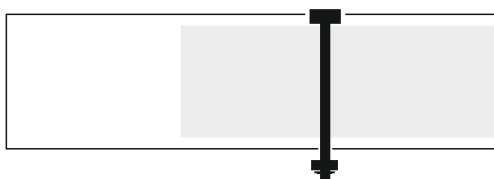
NO



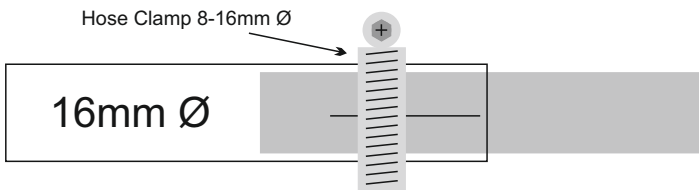
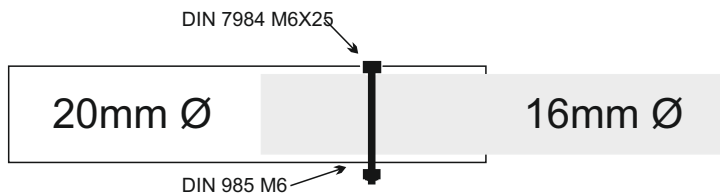
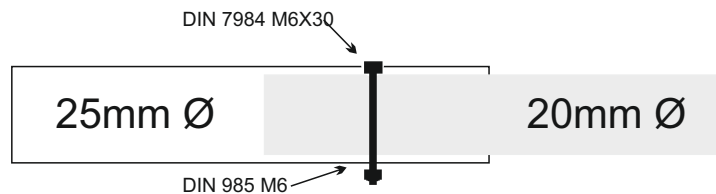
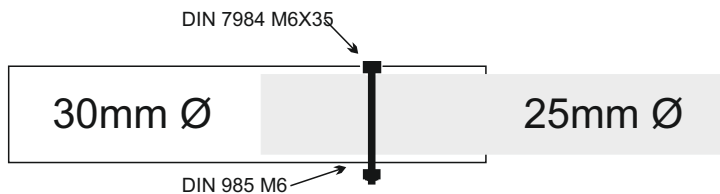
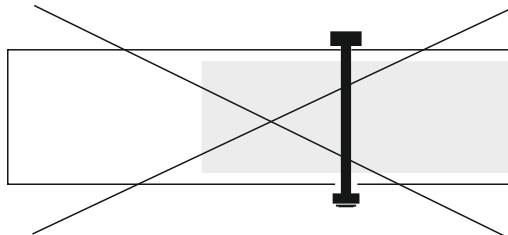
The assembly of elements, once selected all lengths and separated bands, will be fixed by the screws **DIN 7984** that is detailed below .
Note that the screw head has to be accommodated reverse element and diameter.



YES



NO

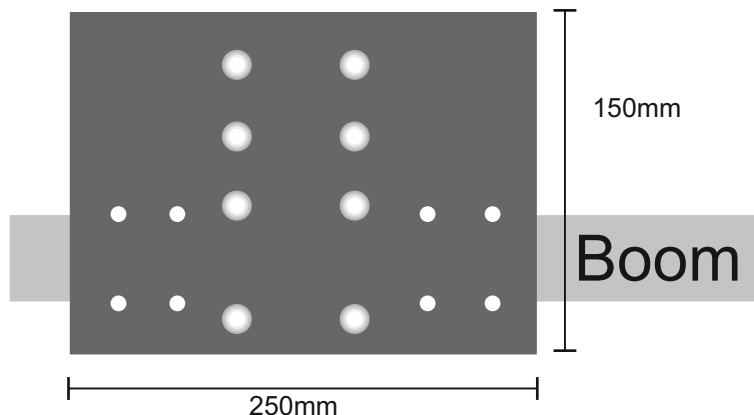


Detalles de Placas a Mástil
Mast to Boom Plate details

Sistema Double P ©EAntenna
Double P ©EAntenna System

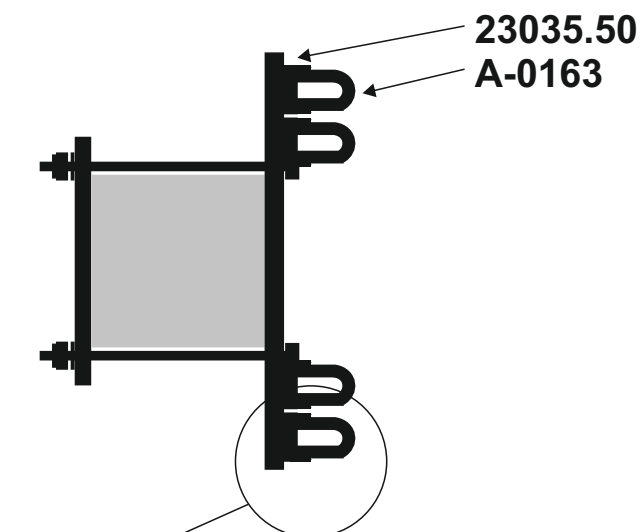
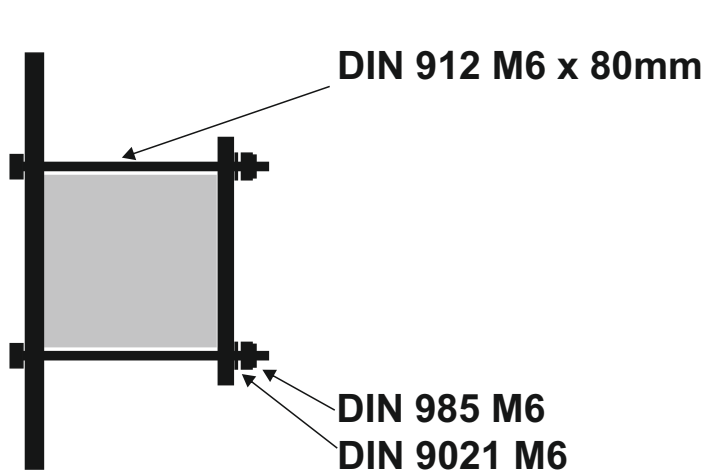
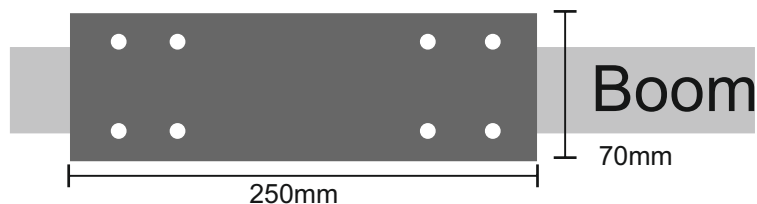
EA010037

Lado izquierdo
Left side



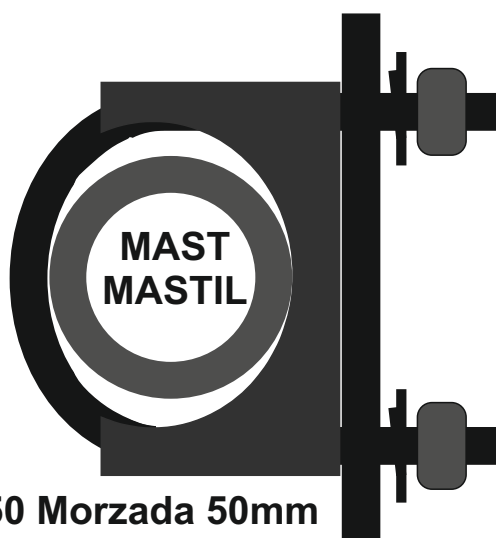
EA010275

Lado derecho
Right side



A-0163
Abarcon 50mm
50mm U Bolt

23035.50 Morzada 50mm
50mm U Bolt clamp





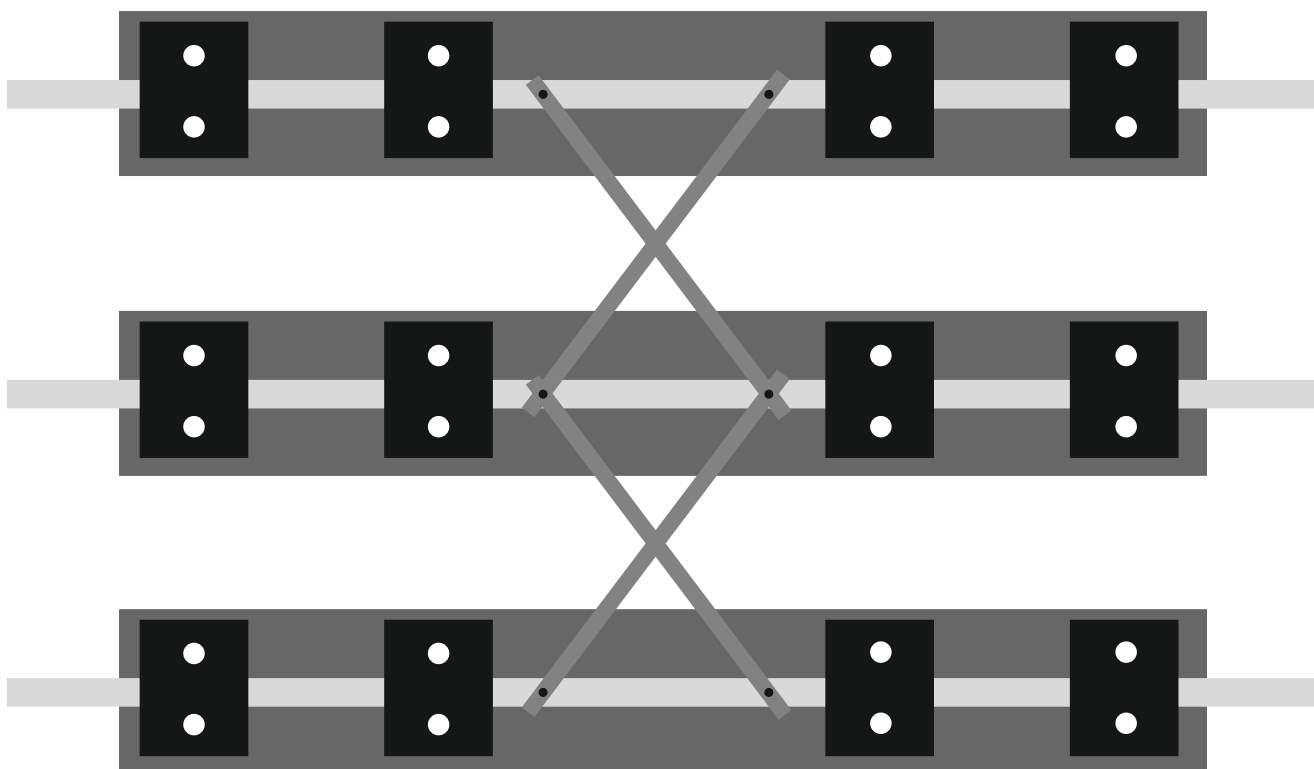
Posicionamiento de la celula Logaritmica

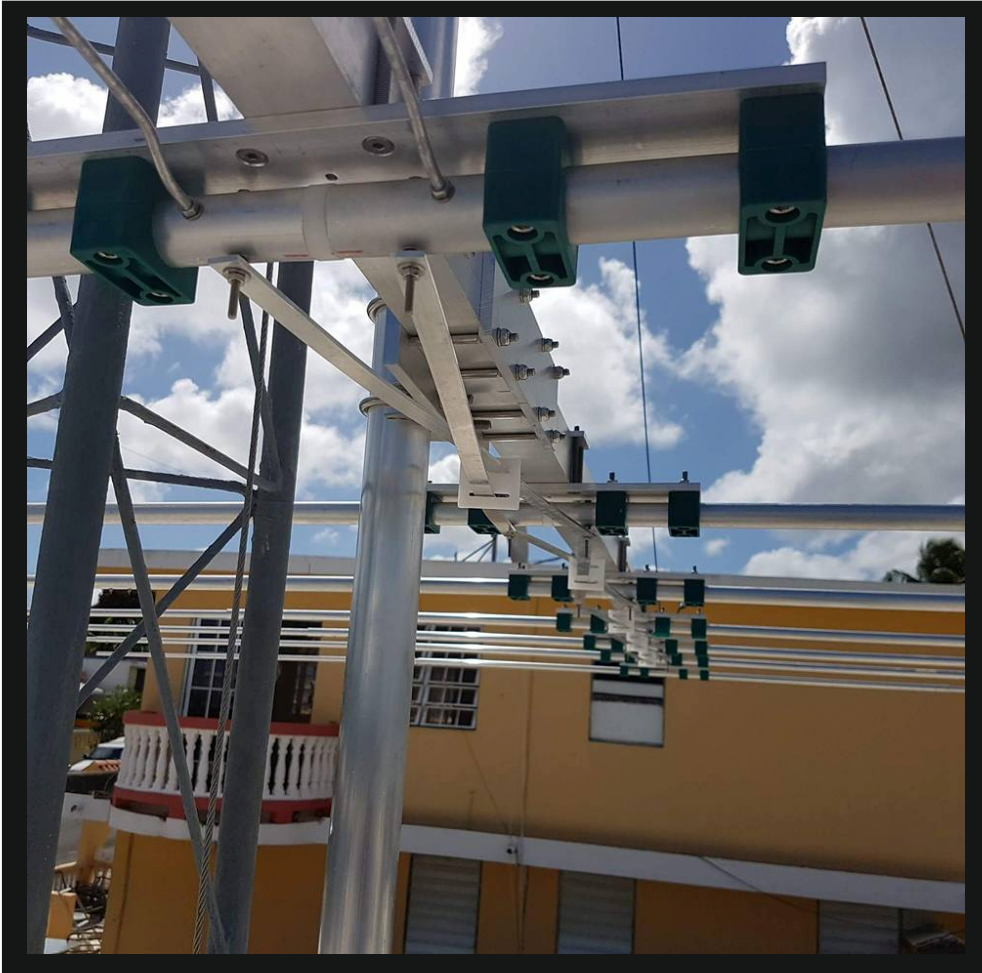
Log Cell make up

Vista Frontal Front View

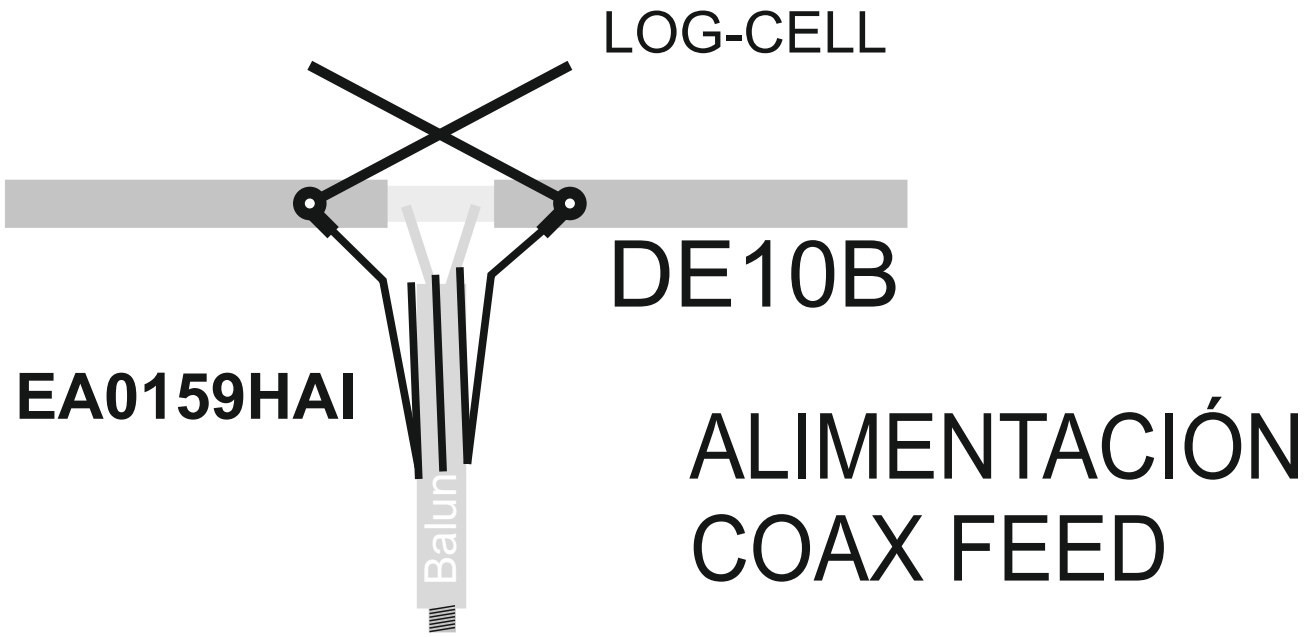


Vista Alzada High View



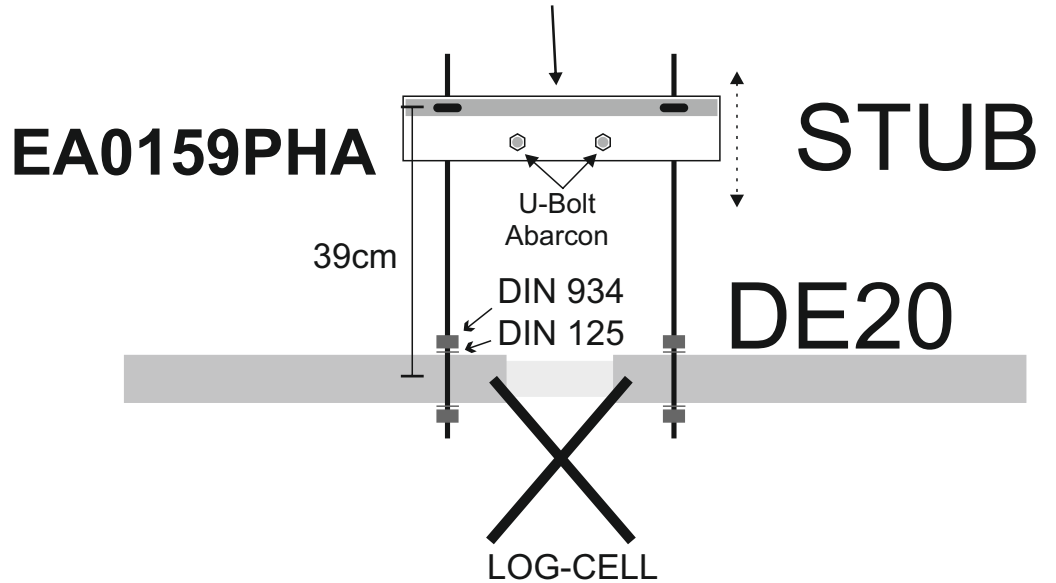


Alimentación

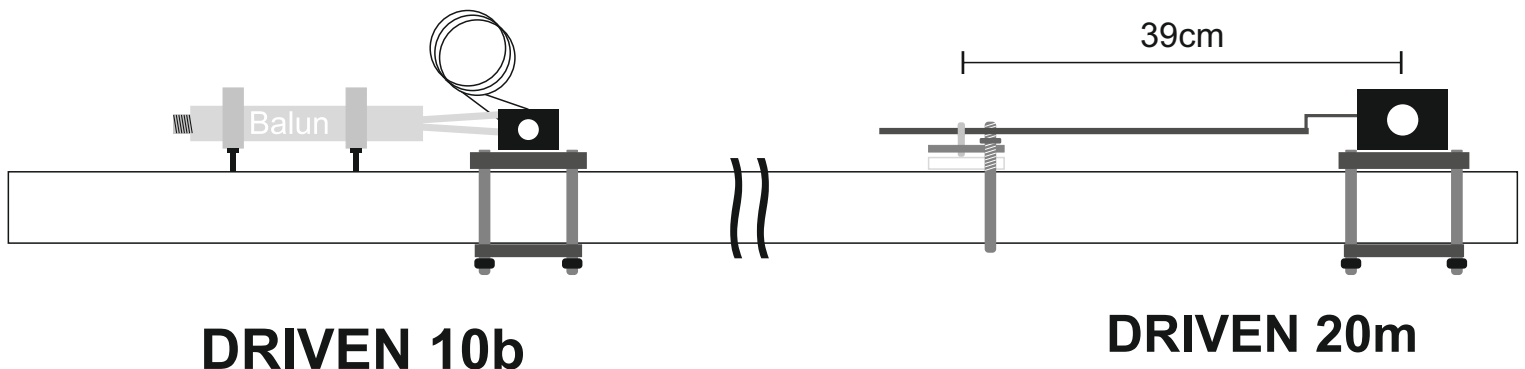


Este HAIRPIN de cobre no requiere modificación. Solo verificar que durante el envío las espiras están 10mm separadas entre ellas.
This copper HAIRPIN don't need to modify. Only need to check that the 10mm distance has not changed while shipping transport.

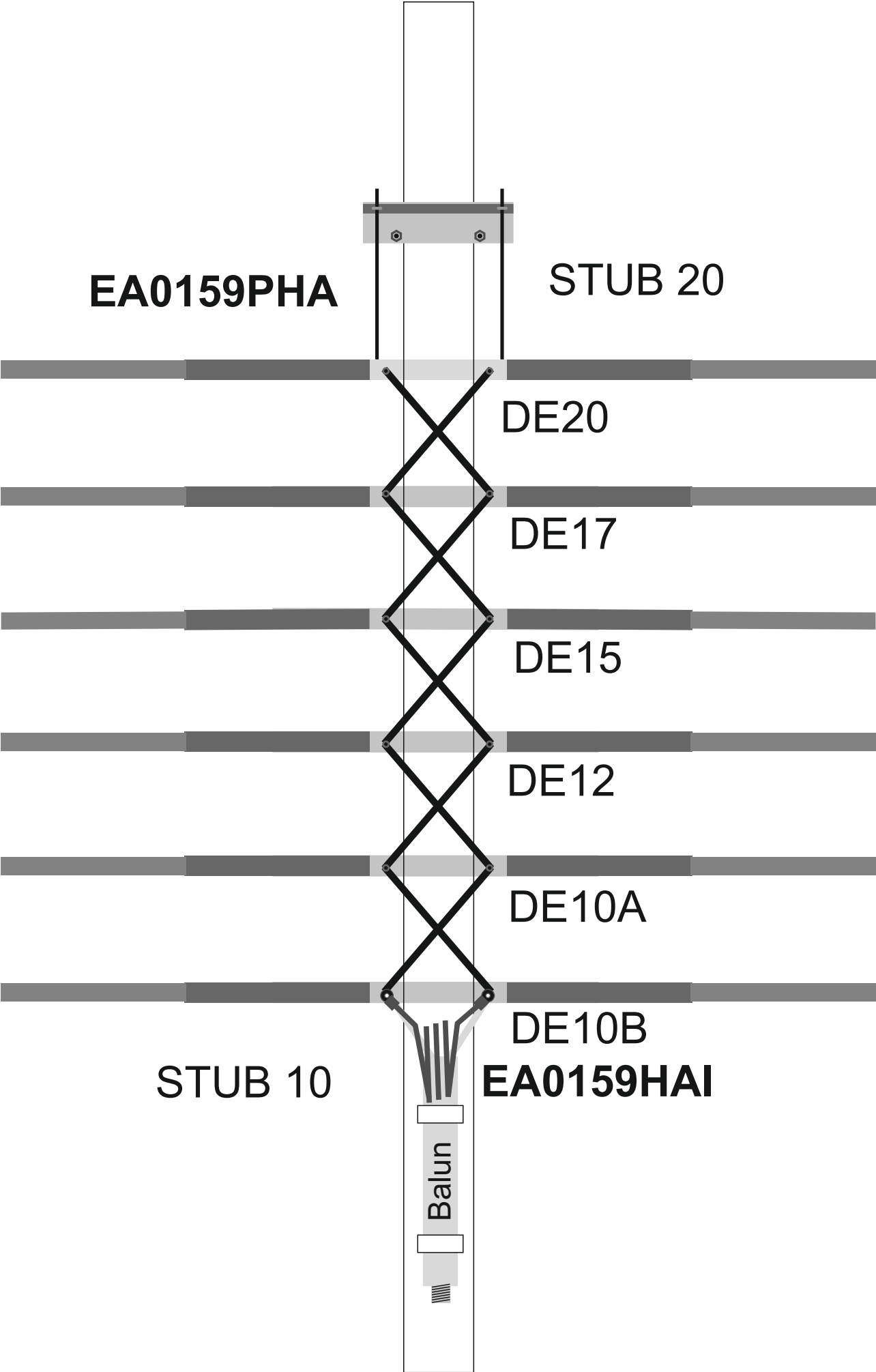
Placa Policarbonato se podrá deslizar para conseguir la mejor resonancia para las bandas de 17 y 20m
Polycarbonate plate can slide thru the boom to have better resonance in 17 and 20m band



Este STUB debe de estar a 39 cm. desde el centro del elemento al perrillo que cortocircuita el STUB.
This STUB should be have 39 cm. between the center of elemento to the piece that causes shortcut in the STUB.



Posicionamiento del sistema LOG-CELL y alimentación/sintonización





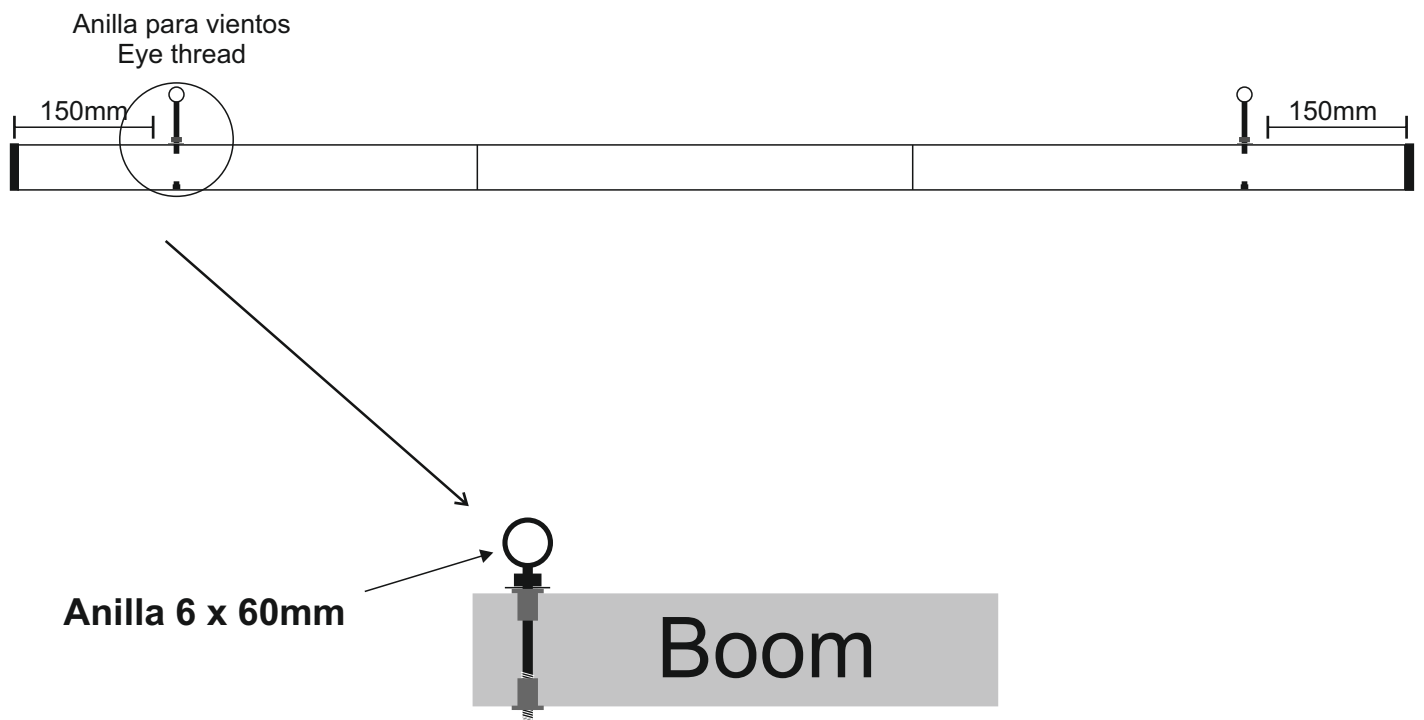
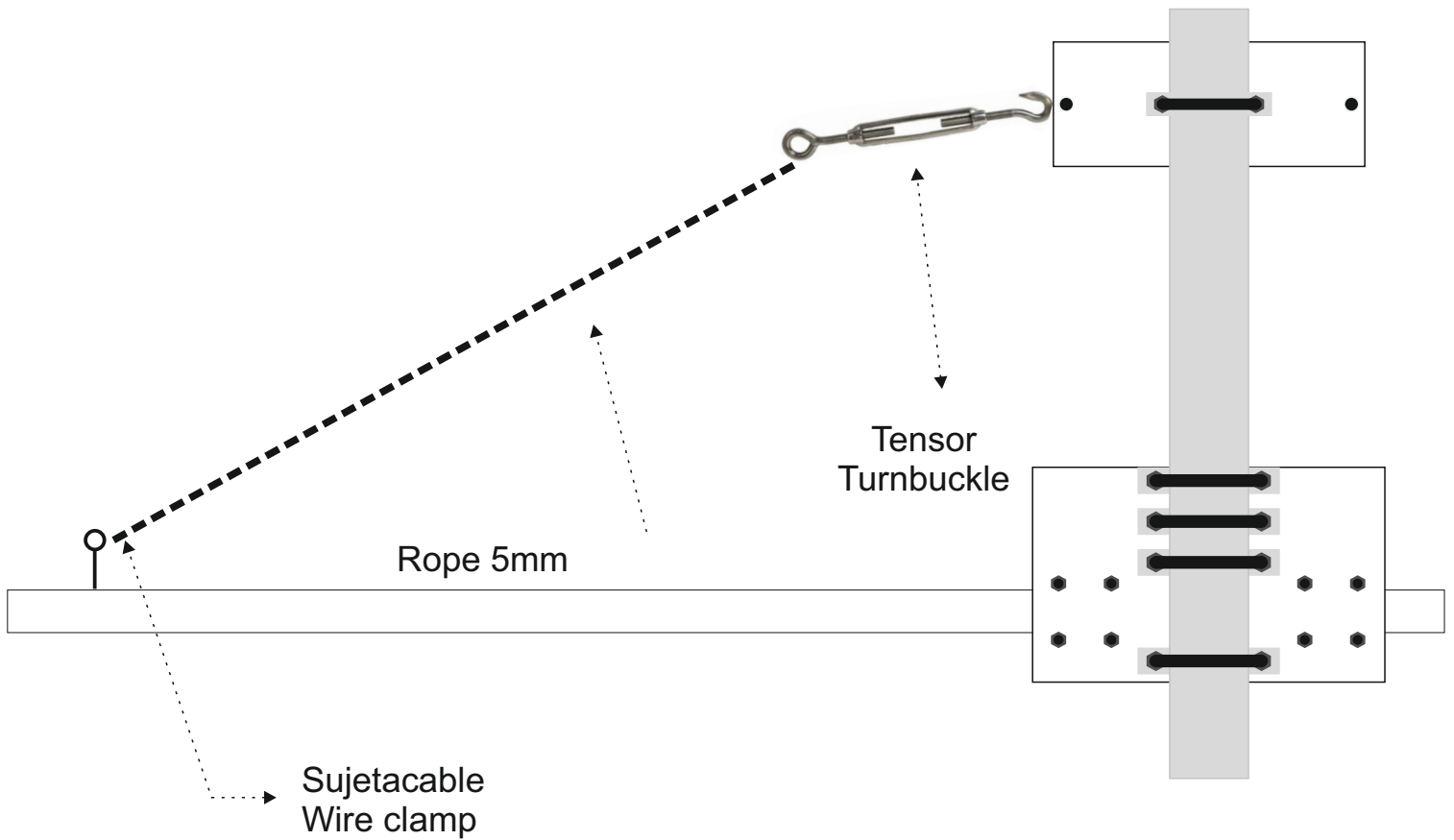




Anclaje para los vientos al Boom

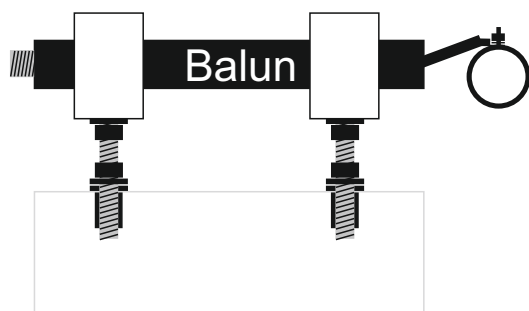
Guy joint in the Boom

Eantenna recomienda que los elementos se pongan por debajo del boom
EAntenna recommend the elements should mounted under the boom.

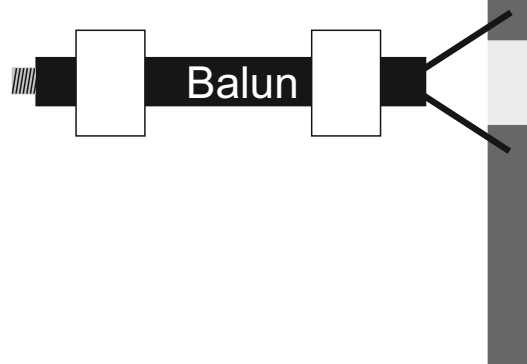


Alimentación Feeding

BB3 Balun Kit



BB3 Balun Kit

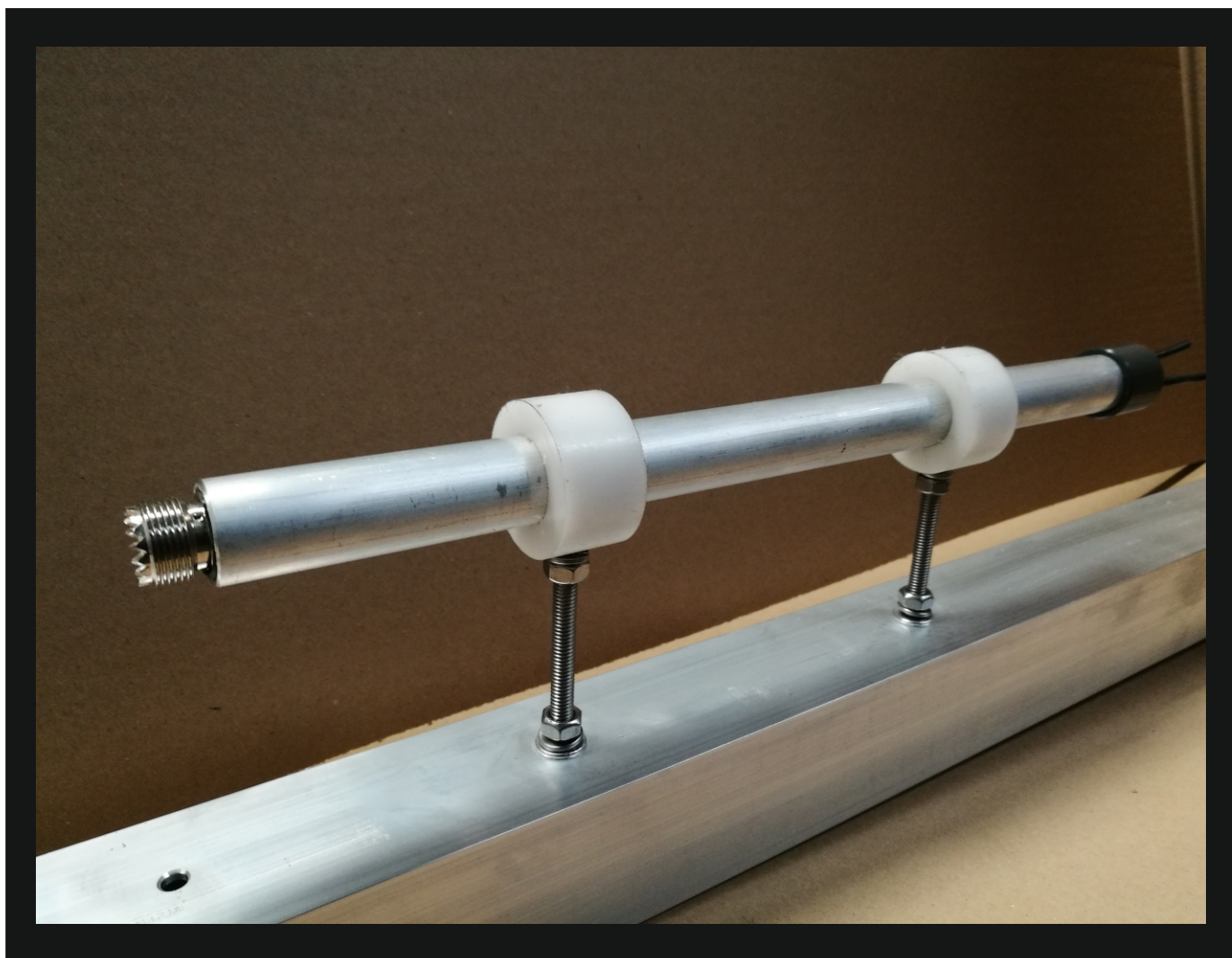


ESPAÑOL

El primer paso de colocar el balun es roscar el tornillo sobre las roscas de boom para darle estabilidad. No apretar hasta que no este posicionado el balun correctamente. Cuando el balun este colocado en su posicion definitiva, girar el tornillo con los dedos hasta que el tornillo presione el balun y lo fije a la anilla plastica blanca. Apretar la tuerca con algo de fuerza con la llave fija y acto seguido, apretar las tuercas de la parte que da al boom para fijar completamente este sistema.

ENGLISH


The first step of placing the balun is screwing the screws on the boom. Don't tightening until the balun not positioned correctly. When the balun is placed in its final position, rotate the screw with your fingers until the screw press the balun and fix it to the white plastic ring. Tighten the nut some strength with a wrench and then, tightening nuts on boom to complete fix this system.





PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
A-0163		Abarcon U-Bolt	50mm, M8	5
S127-98		DIN 127 WASHER	M8	10
S934-98		DIN 934 NUT	M8	10
23035.50		Mordaza Saddle Clamp	50mm	5
P1300003		Llave Fija	M10	1
P1300001		Llave Allen Kit 4-5mm	4 + 5mm	1 + 1



PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
S7984-9635		Tornillo Allen DIN 7984 Allen DIN 7984 Screw	M6x35mm	4
S7984-9630		Tornillo Allen DIN 7984 Allen DIN 7984 Screw	M6x30mm	12
S7984-9625		Tornillo Allen DIN 7984 Allen DIN 7984 Screw	M6x25mm	20
S985-906		Tuerca Autoblocante DIN 985 DIN 985 NUT	M6	36
EA0159LOG		SEPARADORES LOG-CELL LOG-CELL SPREADERS		5





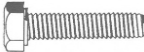

KARTON #1

BOLSA 3 - BAG #3

PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
EAHYP030		Plásticos Plastic Blocks	30mm Ø	8
EAHYP025		Plásticos Plastic Blocks	25mm Ø	16
EAHYP020		Plásticos Plastic Blocks	20mm Ø	16
S912-9650		Tornillo Allen DIN 912 Allen DIN 912 Screw	M6x50mm	80
S985-906		Tuerca Autoblocante DIN 985 DIN 985 NUT	M6	80





KARTON #1

BOLSA 4- BAG #4

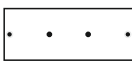






PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
EA010085		Sistema Double P ©EAntenna BOOM 50mm Double P ©EAntenna system BOOM 2"	70 x 50 x 6mm	10
S7991-9670		Tornillo Avellanado DIN 7991 Flat Head DIN 7991 Screw	M6x70mm	40
S127-96		Arandela Grower DIN 127 Lock washer DIN 127	M6	40
S985-906		Tuerca Autoblocante DIN 985 DIN 985 NUT	M6	40
S933-9616		Tornillo Allen DIN 933 Allen DIN 933 Screw	M6x16mm	32
S9021-96		DIN 9021	M6	32

KARTON #1

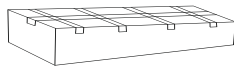
BOLSA 5 - BAG #5

PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
S912-9680		Tornillo Allen DIN 912 Allen DIN 912 Screw	M6x80mm	8
S127-96		Arandela Grower DIN 127 Lock washer DIN 127	M6	8
S985-906		Tuerca Autoblocante DIN 985 DIN 985 NUT	M6	8
S7991-9630		Tornillo Avellanado DIN 7991 Flat Head DIN 7991 Screw	M6x30mm	10

KARTON #1**BOLSA 6 - BAG #6**

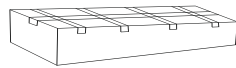
PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
EA010007		Placa Tensor de Vientos Guys wire plate	150x50x6mm	1
P1500003		Tensor Guy wire tightener	M5	2
P1700005		Guy wire 5mm	3500mm	2
23060.5		SUJETACABLES CHAPA WIRE CLAMP	M5	4
SA048-9660		EyeBolt M6x60mm	M6	2
S125-96		Washer DIN 125	M6	4
S934-96		DIN 934 NUT	M6	4

KARTON #2



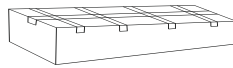
PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
59+ A-B		BOOM A	1920mm x 50mm	1
59+ B-C		BOOM B	1885mm x 50mm	1
59+ C-D		BOOM C	1780mm x 50mm	1
EA0140045.1		BOOM INSERT	450mm x 45mm	2
59+ DE20			1800mm x 30mm Ø	1
59+ REF20			1800mm x 30mm Ø	1
59+ 20@25			1250mm x 25mm Ø	4
59+ 20@20			1250mm x 20mm Ø	4
59+ 20@16A			1250mm x 16mm Ø	2
59+ 20@16B			1250mm x 16mm Ø	2
59+ 20@12A			1410mm x 12mm Ø	2
59+ 20@12B			1060mm x 12mm Ø	2
59+ DE17			1800mm x 25mm Ø	1
59+ REF17			1800mm x 25mm Ø	1
59+ 17@20			1250mm x 20mm Ø	4
59+ 17@16A			1250mm x 16mm Ø	2
59+ 17@16B			1250mm x 16mm Ø	2

KARTON #2



PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
59+ 17@12A			1260mm x 12mm Ø	2
59+ 17@12B			1175mm x 12mm Ø	2
59+ DE15			1800mm x 25mm Ø	1
59+ REF15			1800mm x 25mm Ø	1
59+ 15@20			1050mm x 20mm Ø	4
59+ 15@16A			1050mm x 16mm Ø	2
59+ 15@16B			1050mm x 16mm Ø	2
59+ 15@12A			1090mm x 12mm Ø	2
59+ 15@12B			1100mm x 12mm Ø	2
59+ DE12			1800mm x 20mm Ø	1
59+ 12@16B			1050mm x 16mm Ø	2
59+ 12@12B			1455mm x 12mm Ø	2
59+ DE10A			1800mm x 20mm Ø	1
59+ 10A@16B			1050mm x 16mm Ø	2
59+ 10A@12B			1071mm x 12mm Ø	2

KARTON #2



PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
59+ DE-10B			1800mm x 20mm Ø	1
59+ 10B1@16B			1050mm x 16mm Ø	2
59+ 10B1@12A			770mm x 12mm Ø	2
59+ D1-10B			1800mm x 20mm Ø	1
59+ 10D1@16B			1050mm x 16mm Ø	2
59+ 10D1@12B			580mm x 12mm Ø	2
59+ 20@17		PLETINA ALUMINIO LOG-CELL LOG-CELL ALUMINIUM PLATE	625m x 15 x 3mm	2
59+ 17@15		PLETINA ALUMINIO LOG-CELL LOG-CELL ALUMINIUM PLATE	575m x 15 x 3mm	2
59+ 15@12		PLETINA ALUMINIO LOG-CELL LOG-CELL ALUMINIUM PLATE	527mm x 15 x 3mm	2
59+ 12@10A		PLETINA ALUMINIO LOG-CELL LOG-CELL ALUMINIUM PLATE	477mm x 15 x 3mm	2
59+ 10A@10B		PLETINA ALUMINIO LOG-CELL LOG-CELL ALUMINIUM PLATE	425mm x 15 x 3mm	2

KARTON #3



PART # PIEZA N°	IMAGEN PART IMAGE	DESCRIPCION DESCRIPTION	MEDIDAS SIZES	CANTIDAD QUANTITY
EA010270		Placa para Elementos 14 Mhz. 14 Mhz. Elements plates	400 x 70 x 8mm	2
EA010272		Placa para Elementos 18~28 Mhz. 18~28 Mhz. Elements plates	300 x 60 x 8mm	8
EA01BALKI		BALUN + KIT	3kW BALUN	1
EA0159HAI		CONJUNTO STUB 10m 10m STUB SET		1
EA0159PHA		CONJUNTO STUB 20m 20m STUB SET		1
EA010037		Double P ©EAntenna Placa Mástil Boom Double P ©EAntenna Mast to Boom Plate	250 x 150 x 10mm	1
EA010275		Double P ©EAntenna Placa Mástil Boom Double P ©EAntenna Mast to Boom Plate	250 x 70 x 8mm	1