



MASTS



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Aluminum truss masts

Aluminum masts are designed for installation radioequipment, cameras, measurements devices, lights or any other equipments on desired height. The pieces can be staced together to provide necessary height. Segments are compatible to each other and are easily assembled. After the first segment has been installed it is possible to stack other segments vertically. This allows to place masts on a very small area. Construction is supported by steel guy-wires attached to each segment or every second segment of the mast. First segment is attached to the ground by flexible coupling, which is very helpful when elevating the mast. Also, thanks to coupling, bending forces are minimized. All materials are corrosion proof. Truss is made of aluminum PA 38 (6063), all steel parts are zinc plated.



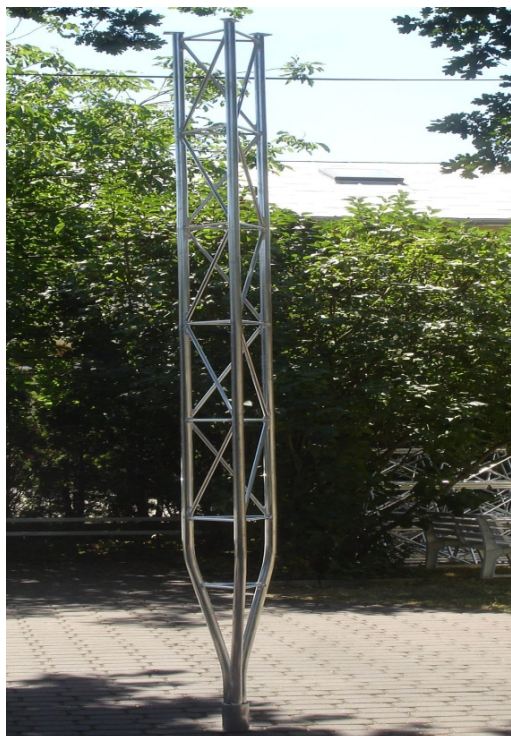
Truss mast M250

Width: 250 mm

Height: 4 m to 16 m

Height of one segment - 4 m.

Basic data:



Mast width	250 mm
Segment height	4 m
Segment weight	4,7 kg
Material	6060/6063
Diameter of main pipe	34x1
Diameter of horizontal pipe	14x1
Diameter of diagonal pipe	14x1
Welding method	TIG
Mast mounting	2 degrees
Section joints	flanges with M6 studs, 9 pcs per section
Guy wires	steel wire zinc plated with ø 3 mm with accessories

Set contains:

- Number of aluminum sections
- Flexible coupling
- Hardware
- Guy-wires with turnbuckles, shackles and accessories

Height	VAT not included	VAT included	Installation	Currency
4 m	5500.-	6600.-	1250.-	EEK
8 m	10000.-	12000.-	2500.-	EEK
12 m	15000.-	18000.-	4000.-	EEK
16 m	21000.-	25200.-	6000.-	EEK

Prices include transportation within Estonia.

Truss mast M500

Width: 500 mm

Height: 4 m to 40 m (higher possible)

Basic data:



Mast width	500 mm
Segment height	4 m
Segment weight	6,8 kg - 30 kg
Material	6060/6063
Diameter of main pipe	34x1 / 35x1,5 / 35x2 / 40x2 / 50x1,5 / 50x2 - depends of mast height
Diameter of horizontal pipe	20x1,5 / 20x2 / 25x1,5 - depends of mast height
Diameter of diagonal pipe	14x1 / 20x1,5 / 20x2 / 25x1,5 - depends of mast height
Welding method	TIG
Mast mounting	2 degrees
Section joints	flanges with M8 studs, 9 pcs per section
Guy wires	steel wire zinc plated with $\varnothing$ 3 mm or $\varnothing$ 5 mm with accessories

Set contains:

- Number of aluminum sections
- Flexible coupling
- Hardware
- Guy-wires with turnbuckles, shackles and accessories

Height	Number of segments	VAT not included	VAT included	Installation	Currency
4 m	1	5500.-	6600.-	1500	EEK
8 m	2	8900.-	10680.-	3000	EEK
12 m	3	12900.-	15480.-	4500	EEK
16 m	4	16900.-	20280.-	6800	EEK
20 m	5	22500.-	27000.-	8000	EEK
24 m	6	26000.-	31200.-	10000	EEK
28 m	7	30500.-	36600.-	12000	EEK
32 m	8	35000.-	42000.-	15000	EEK
36 m	9	39500.-	47400.-	18000	EEK
40 m	10	42500.-	51000.-	20000	EEK

Prices include transportation within Estonia.

Truss mast M750

Width: 750 mm

Height: 12 m to 40 m (higher possible)

Basic data:



Mast width	750 mm
Segment height	4 m
Segment	14 kg to 40 kg
Material	6060/6063
Diameter of main pipe	40x2 / 50x1,5 / 50x2 / 50x3 – depends to mast height
Diameter of horizontal pipe	25x1,5 / 25x2 / 30x1,5 / 30x2 – depends to mast height
Diameter of diagonal pipe	25x1,5 / 25x2 / 30x1,5 / 30x2 – depends to mast height
Welding method	TIG
Mast mounting	2 degrees
Section joints	flanges with M8 studs, 9 pcs per section
Guy wires	steel wire zinc plated with $\varnothing$ 5 mm with accessories

Set contains:

- Number of aluminum sections
- Flexible coupling
- Hardware
- Guy-wires with turnbuckles, shackles and accessories

Height	Number of segments	VAT not included	VAT included	Installation	Currency
12 m	3	20500.-	24600.-		EEK
16 m	4	26500.-	31800.-		EEK
20 m	5	33000.-	39600.-		EEK
24 m	6	40500.-	48600.-		EEK
28 m	7	49500.-	59400.-		EEK
32 m	8	58500.-	70200.-		EEK
36 m	9	68500.-	82200.-		EEK
40 m	10	79500.-	95400.-		EEK

Prices include transportation within Estonia.

Truss mast M1000

Width: 1000 mm

Height: 12 m to 40 m (higher possible)

Ladder inside.

Basic data:



Mast width	1000 mm
Segment height	4 m
Segment weight	21 kg - 54 kg
Material	6060/6063
Diameter of main pipe	50x1,5 / 50x2 / 50x3 / 60x1,5 / 60x2 / 60x3 – depends of mast height
Diameter of horizontal pipe	25x1,5 / 25x2 / 30x1,5 / 30x2 / 35x1,5 / 35x2 / 35x3 - depends of mast height
Diameter of diagonal pipe	30x1,5 / 30x2 / 35x1,5 / 35x2 / 35x3 - depends of mast height
Welding method	TIG
Mast mounting	2 degrees
Section joints	flanges with M10 studs, 9 pcs per section
Guy wires	steel wire zinc plated with $\varnothing$ 5 mm or $\varnothing$ 8 mm with accessories

Set contains:

- Number of aluminum sections
- Flexible coupling
- Hardware
- Guy-wires with turnbuckles, shackles and accessories

Height	Number of segments	VAT not included	VAT included	Installation	Currency
12 m	3	29800.-	35760.-		EEK
16 m	4	40500.-	48600.-		EEK
20 m	5	51500.-	61800.-		EEK
24 m	6	64400.-	77280.-		EEK
28 m	7	77500.-	93000.-		EEK
32 m	8	91700.-	110040.-		EEK
36 m	9	103000.-	123600.-		EEK
40 m	10	113500.-	136200.-		EEK

Prices include transportation within Estonia.

Ballast masts

We have three different types of ballast masts: **corner**, **pipe** and **truss masts**. Ballast masts are easy to assemble and disassemble. Masts fit perfectly to very small areas and places, where you need fast, comfortable and temporary solutions.



Corner mast

Height: 3 m or 4 m (higher on customer's request)

5 arm fix points on each block frame to set tower perpendicularity.



Concrete blocks	6 concrete blocks, 24 kg each
Construction weight	9 kg
Total weight	155 kg
Ballast arrangement	1,5 m x 1,5 m

Set contains:

- Aluminum construction
- 6 pcs. of concrete blocks
- 3 belts to secure concrete blocks

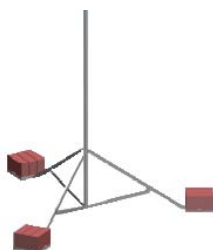
Prices include transportation within Estonia.

Type of the mast	VAT not included	Includes VAT	Installation	Currency
Corner mast	3900.-	4680.-	600.-	EEK

Pipe mast

Height: 3 m or 4 m (higher on customer's request)

Adjustable arm and ballast box angle allows installing tower on pitched roof.



Concrete blocks	9 blocks - 24 kg each
Construction weight	11 kg
Total weight	227 kg
Ballast arrangement	1,75 m radius / 120°

Set contains:

- Aluminum construction
- 9 pcs. of concrete blocks
- 3 belts to secure concrete blocks

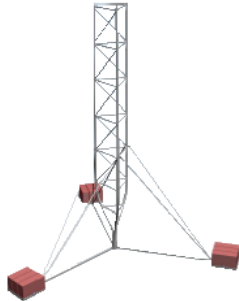
Prices include transportation within Estonia.

Type of the mast	VAT not included	Includes VAT	Installation	Currency
Pipe mast	4500.-	5400.-	600.-	EEK

Truss mast

Height: 3 m or 4 m (higher on customer's request)

Adjustable arm and ballast box angle allows installing tower on pitched roof.



Concrete blocks	24 kg each (9 blocks)
Construction weight	14 kg
Total weight	230 kg
Ballast arrangement	2 m radius / 120°
Mast width	250 mm or 500 mm

Type of the mast	VAT not included	Includes VAT	Installation	Currency
Truss mast	5300.-	6360.-	600.-	EEK

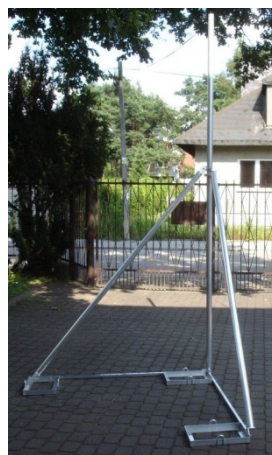
Set contains:

- Aluminum construction
- 9 pcs. of concrete blocks
- 3 belts to secure concrete blocks

Prices include transportation within Estonia.



Truss tower mast



Corner mast



Pipe mast

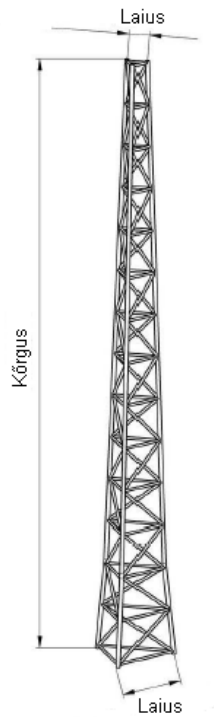
Standalone masts

Standalone masts don't need any wires. It needs only a small area and its maximum height is 16 m.



Standalone mast

Height: 3 m to 16 m



Basic details:

Top section width	250 mm
Bottom section width	4 m: 500 mm 8 m: 750 mm 12 m: 1000 mm 16 m: 1500 mm
Section length *	4 m
Weight of the mast*	4 m: ~8 kg 8 m: ~21 kg 12 m: ~46 kg 16 m: ~87 kg
Material	6060/6063
Main pipes**	ø35x2, ø40x2, ø50x2
Horizontal bars**	ø20x1.5, ø25x1.5, ø30x2
Diagonal bars**	ø20x1.5, ø25x1.5, ø30x2, 35x2
Welding method	TIG
Section joints	flanges with M8/M10 studs, 9 pcs per section
Tower mounting	3 point , flanges

* - Weight may differ according to version (wind resistance)

** - Profile cross-section changes with height

Set contains:

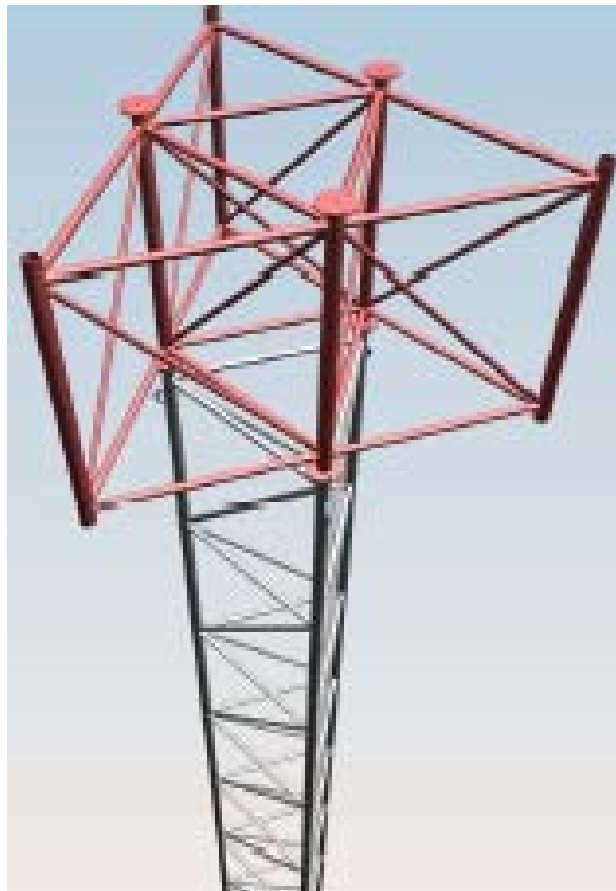
- Number of Aluminum sections
- Hardware
- Lighting protection rod

Height	Number of segments	VAT not included	VAT included	Installation	Currency
4 m	1	6900.-	8280.-	1000	EEK
8 m	2	13900.-	16680.-	1500	EEK
12 m	3	22900.-	27480.-	3000	EEK
16 m	4	33500.-	40200.-	5000	EEK

Prices include transportation within Estonia.

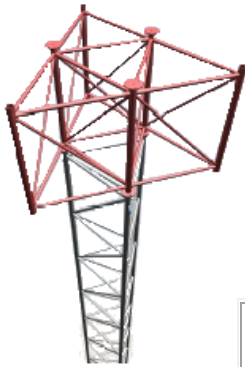
Mast accessories

We offer **separation crown** and **top pipe**. Separate crown and top pipe allow installing the equipment away from each other and ensure efficient work of the device.



Separation crown (for sectored antennas)

- Possible installation on the top of the mast or between sections
- Other dimensions on customer's request
- Material: Aluminum 6063



	M250	M500	M750	M1000
Height	640 mm	640 mm	860 mm	1075 mm
Separation-distance	500 mm	1000 mm	1500 mm	2000 mm
Weight	3,2 kg	3,8 kg	10,4 kg	20,5 kg
Antenna mounting diameter	ø35 mm	ø35 mm	ø50 mm	ø50 mm

Type	VAT not included	VAT included	Installation (without using crane)	Currency
M250	3000.-	3600.-	1000+100EEK/m	EEK
M500	3500.-	4200.-	1000+150EEK/m	EEK
M750	5000.-	6000.-	1000+200EEK/m	EEK
M1000	6500.-	7800.-	1000+250EEK/m	EEK

Prices include transportation within Estonia.



Mast top pipe

For Omni directional antennas

- Other dimensions on customer's request
- Material: Aluminum 6063



	M250	M500	M750	M1000
Height	875 mm	1000 mm	1125 mm	1250 mm
Separation distance	500 mm	1000 mm	1500 mm	2000 mm
Weight	1,4 kg	1,6 kg	2,3 kg	3,8 kg
Antenna mounting diameter	ø50 mm	ø50 mm	ø50 mm	ø60 mm

Type	VAT not included	VAT included	Installation	Currency
M250	1750.-	2100.-	1000+100EEK/m	EEK
M500	1990.-	2388.-	1000+150EEK/m	EEK
M750	2650.-	3180.-	1000+200EEK/m	EEK
M1000	3490.-	4188.-	1000+200EEK/m	EEK

Set of guy-wire anchors

Material: Aluminum 6063

Set contains 3 pcs



	M250 and M500	M750 and M1000
Guy-wire diameter	3-5 mm	5-8 mm
Width	100 mm	100 mm
Length	116-306 mm	160-410 mm
Height	55 mm	60 mm
Number of holes	3-6	3-6
Shackle holes diameter	ø16 mm	ø20 mm

Type	Number of set	VAT not included	VAT included	Currency
M250 and M500	3	1500.-	1800.-	EEK
M750 and M1000	3	1900.-	2280.-	EEK

Prices include transportation within Estonia.

Special solutions

Special solutions are made of aluminum. We are looking forward to your thoughts and ideas and together we will find the best and most suitable solution.



Contact

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