

MECMAST

The Mechanical Telescopic Mast

ENG



TOPICS

- PAYLOADS UP TO 250 KG (551 LBS)
- EXTENDED HEIGHTS UP TO 20MT (66 FT)
- PROGRAMMABLE HEIGHT EXTENSION
- LOCKED HEIGHT POSITION
- USABLE DURING OPERATION AND WHILE DRIVING
- EXTENSION SPEED:
1 MT / 12 SEC. (3.3 FT / 12 SEC.)

APPLICATION



MECMAST - The mechanical telescopic mast

The **MecMast** is the NEW Fireco mechanical telescopic mast driven by an electrical motor.

The MecMast provides an excellent solution for specially designed antennas, cameras and other specific equipment used for Communications and Surveillance.

The main features of the mast are sturdiness and extending precision, which

enables consistent accuracy of the extended height.

The exact position is controlled by an encoder and the desired height can be preset using a PC or other device.

The mast requires no guying and can support heavy top loads.

Equipped with manual safety backup system.

The green bellow is an optional

FEATURES

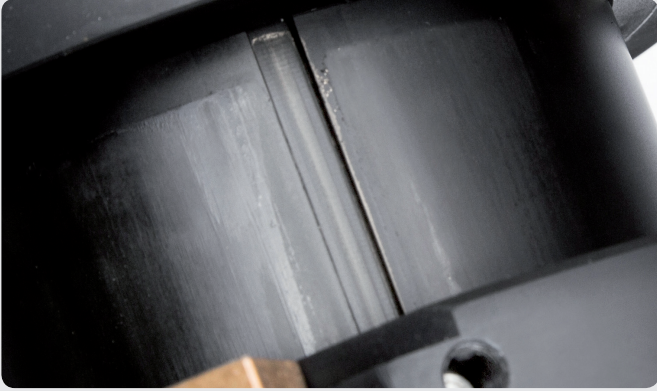
- **Payloads** up to 250 kg (551 lbs)
- **Extended Heights** up to 20mt (66 ft)
- Programmable **height extension**
- Locked height position
- Usable during operation and while driving
- **Extension speed:**
1 mt / 12 sec. (3.3 ft / 12 sec.)





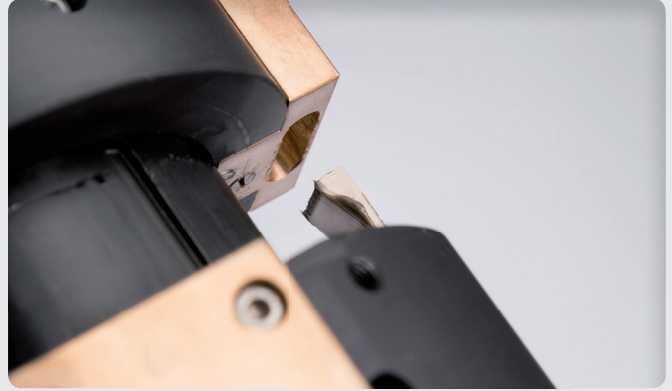
DETAILS

1



ANTI-ROTATION KEY

2



LOCKINGS

3



GREASING HOLE

4



MIL-STD CONNECTORS

5



EMERGENCY STOP

6



MANUAL BACKUP

MECMAST - The mechanical telescopic mast





PLUS



THE WIDEST RANGE OF ELECTRO-MECHANICAL MASTS SUITING REAL CUSTOMER NEEDS



HIGH OPERATIVE PRECISION AND MINIMAL WIND DISPLACEMENT



AVAILABLE FROM 3 TO 11 SECTIONS TO MATCH DESIRED DIMENSIONS



IMPRESSIVE LIFTING STRENGTH



LIGHT ALLOY CONSTRUCTION FOR MINIMAL IMPACT ON STRUCTURES



SAFE USE FOR OPERATOR AND MOUNTED DEVICE



MINIMAL MAINTENANCE COMPARED TO SIMILAR PRODUCTS



LOW POWER REQUIREMENTS



MIL-STD-810 COMPLIANT

MECMAST - The mechanical telescopic mast

Main tube Ø127

4 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1430	4021	90	90
	5	1700	5011	90	90
	6	1980	6011	90	80
	7	2260	7011	90	80
	8	2540	8011	90	70
	9	2820	9011	90	70

Main tube Ø200

5 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1270	4034	140	210
	5	1500	5024	140	210
	6	1730	6014	140	200
	7	1960	7004	140	200
	8	2200	8044	140	190
	9	2410	9014	140	190
	10	2640	10004	140	180

Main tube Ø152

4 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1430	4021	115	150
	5	1700	5011	115	150
	6	1980	6011	115	140
	7	2260	7011	115	140
	8	2540	8011	115	130
	9	2820	9011	115	130

6 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1180	4006	127	190
	5	1380	5006	127	190
	6	1570	6046	127	180
	7	1770	7046	127	180
	8	1950	8026	127	170
	9	2150	9026	127	170
	10	2330	10006	127	160
	11	2530	11006	127	160
	12	2720	12046	127	160

5 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1270	4035	102	130
	5	1500	5025	102	130
	6	1720	6045	102	120
	7	1950	7035	102	120
	8	2180	8025	102	110
	9	2400	9045	102	110
	10	2630	10035	102	100

7 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1130	4028	115	170
	5	1290	5028	115	170
	6	1470	6048	115	160
	7	1630	7048	115	160
	8	1790	8048	115	150
	9	1950	9048	115	150
	10	2130	10068	115	140
	11	2290	11068	115	140
	12	2460	12018	115	130
	13	2620	13018	115	130

6 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1200	4029	90	110
	5	1380	5009	90	110
	6	1570	6049	90	100
	7	1770	7049	90	100
	8	1950	8029	90	90
	9	2130	9009	90	90
	10	2330	10009	90	80
	11	2520	11049	90	80
	12	2700	12029	90	70

8 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	5	1250	5000	102	140
	6	1400	6060	102	140
	7	1540	7040	102	130
	8	1680	8020	102	130
	9	1820	9000	102	120
	10	1970	10060	102	120
	11	2110	11040	102	110
	12	2270	12040	102	110
	13	2410	13020	102	100
	14	2550	14000	102	100



AVAILABLE MODELS

Main tube Ø200

9 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	5	1240	5012	90	120
	6	1370	6022	90	120
	7	1480	7012	90	120
	8	1610	8022	90	110
	9	1740	9072	90	110
	10	1870	10042	90	100
	11	2000	11052	90	100
	12	2130	12062	90	90
	13	2260	13072	90	90
	14	2390	14082	90	80
	15	2510	15002	90	80
	16	2640	16012	90	80

Main tube Ø250

9 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	5	1240	5012	115	180
	6	1370	6022	115	180
	7	1500	7032	115	180
	8	1630	8042	115	170
	9	1780	9072	115	170
	10	1910	10082	115	160
	11	2030	11002	115	160
	12	2160	12012	115	150
	13	2290	13022	115	150
	14	2420	14032	115	140
	15	2570	15062	115	140
	16	2700	16072	115	130

Main tube Ø250

6 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1200	4026	152	250
	5	1400	5026	152	250
	6	1600	6026	152	240
	7	1800	7026	152	240
	8	1980	8006	152	230
	9	2180	9006	152	230
	10	2370	10046	152	220
	11	2570	11046	152	220
	12	2770	12046	152	220

10 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	6	1340	6014	102	160
	7	1460	7034	102	160
	8	1580	8054	102	150
	9	1700	9074	102	150
	10	1830	10014	102	140
	11	1950	11034	102	140
	12	2070	12054	102	130
	13	2190	13074	102	130
	14	2305	14044	102	120
	15	2420	15014	102	120
	16	2540	16034	102	110
	17	2660	17054	102	110

7 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	4	1150	4048	140	230
	5	1310	5048	140	230
	6	1490	6068	140	220
	7	1660	7018	140	220
	8	1820	8018	140	210
	9	1980	9018	140	210
	10	2160	10038	140	200
	11	2320	11038	140	200
	12	2500	12058	140	190
	13	2660	13058	140	190

11 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	6	1340	6046	90	140
	7	1455	7031	90	140
	8	1565	8041	90	130
	9	1675	9051	90	130
	10	1780	10006	90	120
	11	1890	11016	90	120
	12	2000	12026	90	110
	13	2110	13036	90	110
	14	2220	14046	90	100
	15	2330	15056	90	100
	16	2440	16066	90	90
	17	2535	17021	90	90
	18	2655	18031	90	80
	20	2875	20051	90	80

8 sections	Model	Dimensions mm		End tube Ø mm	Payload kg
		Retracted	Extended		
	5	1270	5020	127	200
	6	1410	6000	127	200
	7	1560	7060	127	190
	8	1720	8060	127	190
	9	1860	9040	127	180
	10	2000	10020	127	180
	11	2140	11000	127	170
	12	2300	12000	127	170
	13	2450	13060	127	160
	14	2590	14040	127	160

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CONTROLS

LAPTOP / PC



REMOTE CONTROL

Also available with visual display



TOUCHSCREEN CONTROL



ELECTRICAL AND MANUALLY TURNABLE BASE

The MecMast is also available with a manual turning base or with an electrical turning base.

The position of the electrical turning base can be pre-set and the rotation degree can be displayed on the touch screen or on your laptop with a precision of 1°.

Also in case of temporary power loss the system always gives you the correct rotating degree of the mast, even if the mast has been manually moved during the black-out.

MECMAST WITH MANUALLY TURNABLE BASE

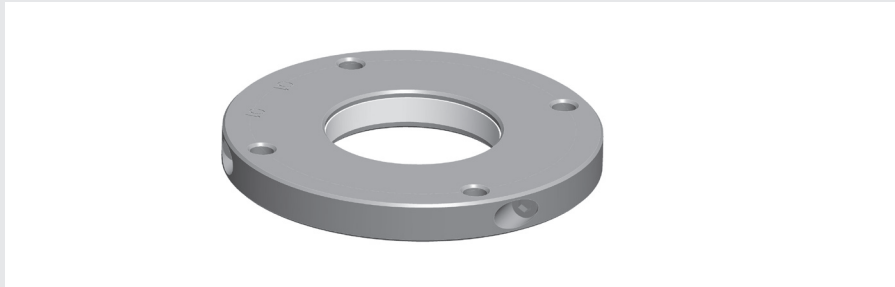


MECMAST WITH ELECTRICAL TURNING BASE

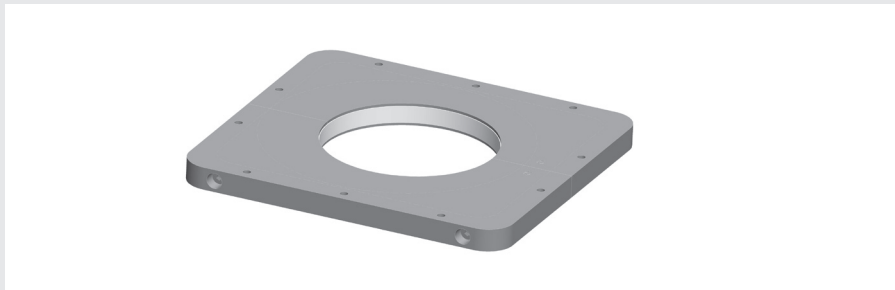




BRACKETS



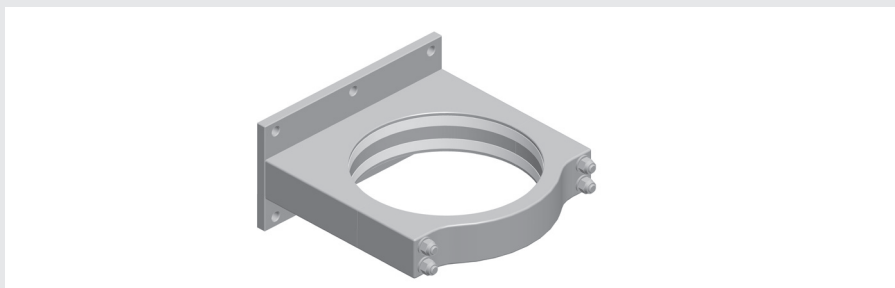
ROOF BRACKET



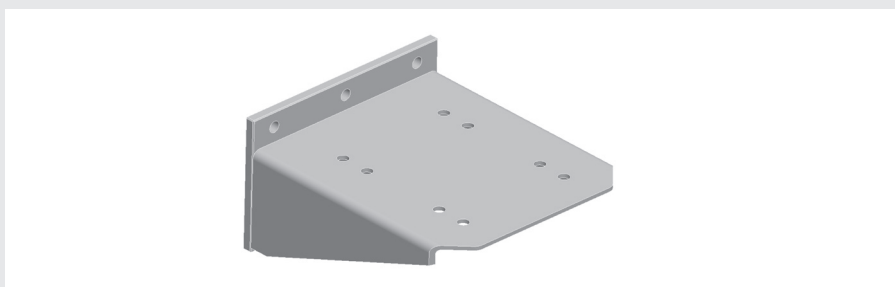
SQUARE ROOF BRACKET



UPPER FIXING BRACKET



REINFORCED UPPER FIXING BRACKET



LOWER FIXING BRACKET

GALLERY FOR

MECMAST - The mechanical telescopic mast



