



**MOTION TECHNOLOGIES  
PTY LTD**

# **PNEUMATIC TELESCOPIC MASTS**







Series 7



Series 8



Series 9

- Leading in the manufacture of special Pneumatic Telescopic Masts, they are widely used in antenna, mobile lighting, military, flag mast, fire-fighting equipment, golf fields, etc.
- Constructed of high-strength, heat-treated aluminium tubes and collars for long, dependable life.
- Two full length external keys on mast sections with matching machined keyways to provide anti-rotation.
- Each tube and collar is protected by low friction synthetic bearings for smooth operation and long life.
- Bumpers are designed to reduce shock on extension and retraction.
- All exterior aluminium surfaces are anodized.
- Collars are high strength aluminium.
- Custom models can be designed and manufactured for extended (>30m) and retracted heights
- Guy wire sets available on request
- Baseplate mount and struts optional
- Internal electrical cable on request (series 7 only) for powering of camera, lights, etc
- Max. operating pressure = 250pa (2.5bar/36psi)
- LED lights optional extra

**Series 7: Non-locking collar, with cabling option  
(air pressure must be maintained to hold the mast extended)**

Item Code	Payload Capacity (kg)	Extended Height (m )	Nested Height (m )	Stroke (m)	Approx. Weight (kg)	No. of Sections	Tube Diameter Range (mm)
mini mast	15 kg	2.2	1	1.2	4.5	3	28~56mm
71204032	35 kg	3.2	1.27	1.93	14 kg	4	43~87mm
71303032	35 kg	3.2	1.48	1.72	12 kg	3	43~70mm
71204042	35 kg	4.2	1.52	2.68	17 kg	4	43~87mm
71203042	60 kg	4.2	1.8	2.4	19 kg	3	56~87mm



**Series 8: Non-locking collar, without cabling**  
**(air pressure must be maintained to hold the mast extended)**

Item Code	Payload Capacity (kg)	Extended Height (m)	Nested Height (m)	Stroke (m)	Approx. Weight (kg)	No. of Sections	Tube Diameter Range (mm)
81304048	15kg	4.8	1.8	3	12kg	4	28~70mm
81304060	15kg	6	2	4	23kg	4	28~70mm
81205070	15kg	7	2	5	35kg	5	28~87mm
81205072	15kg	7.2	2	5.2	30kg	5	28~87mm
80408075	30kg	7.5	1.9	5.6	52kg	8	36~160mm
80505075	30kg	7.5	1.95	5.55	41kg	7	36~140mm
80606085	30kg	8.5	2.2	6.3	55kg	6	36~118mm
80408100	30kg	10	2.2	7.8	60kg	8	36~160mm
80507100	30kg	10	2.3	7.7	50kg	7	36~140mm
80111120	30kg	12	2.15	9.85	155kg	11	36~229mm
80111150	30kg	15	2.45	12.55	170kg	11	36~229mm
80111180	30kg	18	2.8	15.2	195kg	11	36~229mm
80111210	30kg	21	3.1	17.9	211kg	11	36~229mm
80111250	30kg	25	3.35	21.65	255kg	11	36~229mm
81303042	35kg	4.2	1.8	2.4	10kg	3	43~70mm
81303046	35kg	4.6	2	2.6	16kg	3	43~70mm
81204055	35kg	5.5	2	3.5	15kg	4	43~87mm
81204060	35kg	6	2	4	23kg	4	43~70mm
80605075	50kg	7.5	2.3	5.2	40kg	5	51~118mm
80110100	50kg	10	2	8	137kg	10	51~229mm
80110130	50kg	13	2.3	10.7	152kg	10	51~229mm
80101160	50kg	16	2.6	13.4	167kg	10	51~229mm
80110190	50kg	19	2.9	16.1	182kg	10	51~229mm
81203045	60kg	4.5	2	2.5	12kg	3	56~87mm
81203046	60kg	4.6	2	2.6	10kg	3	56~87mm
80109110	70kg	11	2.2	8.8	138kg	9	66~229mm
80109130	70kg	13	2.45	10.55	148kg	9	66~229mm
80109150	70kg	15	2.65	12.35	160kg	9	66~229mm
80109170	70kg	17	2.9	14.1	168kg	9	66~229mm
80108120	100kg	12	2.35	9.65	140kg	8	82~229mm
80108150	100kg	15	2.75	12.25	157kg	8	82~229mm
80108170	100kg	17	3	14	167kg	8	82~229mm
80107090	150kg	9	2.1	6.9	124kg	7	98~229mm
80107120	150kg	12	2.25	9.75	130kg	7	98~229mm
80107160	150kg	16	3	13	158kg	7	98~229mm
80106105	230kg	10.5	2.53	7.97	130kg	6	118~229mm
80106125	230kg	12.5	2.86	9.64	142kg	6	118~229mm
80106145	230kg	14.5	3.2	11.3	154kg	6	118~229mm
80105080	300kg	8	2.2	5.8	110kg	5	140~229mm
80105100	300kg	10	2.6	7.4	122kg	5	140~229mm
80105120	300kg	12	3	9	135kg	5	140~229mm
80104070	400kg	7	2.5	4.5	105kg	4	160~229mm
80104090	400kg	9	3	6	118kg	4	160~229mm
80103050	500kg	5	2.25	2.75	81kg	3	180~229mm
80103070	500kg	7	2.9	4.1	95kg	3	180~229mm

## Series 9: Locking collar, without cabling

Item Code	Payload Capacity (kg)	Extended Height (m)	Nested Height (m)	Stroke (m)	Approx. Weight (kg)	No. of Sections	Tube Diameter Range (mm)
90111300	10kg	30	4.2	25.8	290kg	11	36~229mm
90111180	30kg	18	2.75	15.25	206kg	11	36~229mm
90111210	30kg	21	3.1	17.9	221kg	11	36~229mm
90408125	30kg	12.5	2.5	10	70kg	8	36~160mm
90606090	30kg	9	2.15	6.85	53kg	6	36~118mm
90111120	30kg	12	2.15	9.85	166kg	11	36~229mm
90111150	30kg	15	2.45	12.55	181kg	11	36~229mm
90507078	30kg	7.8	2	5.8	57kg	7	36~140mm
90111250	30kg	25	3.35	21.65	255kg	11	36~229mm
90407090	50kg	9	2.1	6.9	55kg	7	51~160mm
90506065	50kg	7.3	2	5.3	55kg	6	51~140mm
90110100	50kg	10	2	8	145kg	10	51~229mm
90110130	50kg	13	2.3	10.7	160kg	10	51~229mm
90110160	50kg	16	2.6	13.4	175kg	10	51~229mm
90110190	50kg	19	2.9	16.1	190kg	10	51~229mm
90605070	50kg	7	2	5	45kg	5	51~118mm
90505065	70kg	6.5	2	4.5	51kg	5	66~140mm
90109110	70kg	11	2.2	8.8	148kg	9	66~229mm
90109130	70kg	13	2.45	10.55	158kg	9	66~229mm
90109150	70kg	15	2.65	12.35	170kg	9	66~229mm
90109170	70kg	17	2.9	14.1	178kg	9	66~229mm
90406075	70kg	7.5	2	5.5	48kg	6	66~160mm
90604055	70kg	5.5	2	3.5	40kg	4	66~118mm
90108170	100kg	17	3	14	176kg	8	82~229mm
90405070	100kg	7	2	5	46kg	5	83~160mm
90504055	100kg	5.5	2	3.5	46kg	4	82~140mm
90603042	100kg	4.2	2	2.2	35kg	3	82~118mm
90108125	100kg	12.5	2.25	10.25	149kg	8	3.23~229mm
90207100	100kg	10	2.3	7.7	108kg	7	82~202mm
90306085	100kg	8.5	2.2	6.3	85kg	6	82~180mm
90306105	100kg	10.5	2.5	8	95kg	6	82~180mm
90108150	100kg	15	2.75	12.25	166kg	8	3.23~229mm
90107120	150kg	12	2.25	9.75	138kg	7	98~229mm
90107160	150kg	15	3	12	166kg	7	98~229mm
90404050	150kg	5	2	3	43kg	4	98~160mm
90503045	150kg	4.5	2	2.5	45kg	3	98~140mm
90602027	150kg	2.7	1.6	1.1	30kg	2	98~118mm
90107090	150kg	9	2.1	6.9	132kg	7	98~229mm
90106105	230kg	10.5	2.53	7.97	137kg	6	118~229mm
90106125	230kg	12.5	2.86	9.64	149kg	6	118~229mm
90106145	230kg	14.5	3.2	11.3	160kg	6	118~229mm
90403046	230kg	4.5	2	2.5	40kg	3	118~160mm
90105110	300kg	10	2.6	7.4	128kg	5	140~229mm
90105120	300kg	12	3	9	136kg	5	140~229mm
90105080	300kg	8	2.2	5.8	116kg	5	140~229mm
90104070	400kg	7	2.5	4.5	111kg	4	160~229mm
90104090	400kg	9	3	6	123kg	4	160~229mm
90103050	500kg	5	2.25	2.75	85kg	3	180~229mm
90103070	500kg	7	2.9	4.1	99kg	3	180~229mm

# Other Motion Tech Products



Precision in the Extreme





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