



BROADBAND PROPAGATION

Antenna Design & Supply

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BROADBAND PROPAGATION PNEUMATIC MAST SERIES



The Broadband Propagation range of pneumatic masts are suitable for a large variety of purposes including the mounting of antennas, lighting, scientific and industrial monitoring, equipment, photographic and surveillance equipment, as well as a wide variety of other applications.

Our extensive range of models cover payload requirements from 15 kg up to 500 kg with fully extended heights available in a range from 3.2 meters up to 21 meters.

Construction is of specially processed, high tensile strength aluminium, with low friction collar bearings assuring ruggedness, smooth operation and dependability, at high usage rates, over a long product life.

Anodised finish on all exposed surfaces of the masts guarantees superior corrosion and weather resistance.

Rotation of mast tubes in the horizontal plane is prevented via keying along the full length of the mast. Models with locking and non locking collars are available

Customized models catering to customer specific requirements are also available.

7 SERIES



7series

Item Code	Payload Capacity	Extended Height	Nested Height	Approx. Mast Weight	No. of Sections	Tube Diameter Range	Collar Type	Max. Operating Pressure
71203042	60 kg (132 lb)	4.2 m (14')	1.8 m (5.9')	19 kg (42 lb)	3	56~87mm (2.2~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
71204042	35 kg (77 lb)	4.2 m (14')	1.52 m (5')	17 kg (37.5 lb)	4	43~87mm (1.7~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
71204032	35 kg (77 lb)	3.2 m (10.5')	1.27 m (4.2')	14 kg (31 lb)	4	43~87mm (1.7~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
71303032	35 kg (77 lb)	3.2 m (10.5')	1.48 m (4.9')	12 kg (24.3 lb)	3	43~70mm (1.7~2.76")	non-locking	250 pa (2.5 bar)/36 PSIG

8 SERIES



8 series

Item Code	Payload Capacity	Extended Height	Nested Height	Approx. Mast Weight	No. of Sections	Tube Diameter Range	Collar Type	Max. Operating Pressure
BP 80111210	30 kg (66 lb)	25 m (82')	3.35m (11')	255 kg (560 lb)	11	36~229mm (1.42~9.02")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80111210	30 kg (66 lb)	21 m (69')	3.1 m (10.2')	211 kg (463 lb)	11	36~229mm (1.42~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80111180	30 kg (66 lb)	18 m (59')	2.8 m (9.2')	195 kg (430 lb)	11	36~229mm (1.42~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80111150	30 kg (66 lb)	15 m (49')	2.45 m (8')	170 kg (375 lb)	11	36~229mm (1.42~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80111120	30 kg (66 lb)	12 m (39')	2.15 m (7.1')	155 kg (342 lb)	11	36~229mm (1.42~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80110190	50 kg (110 lb)	19 m (62.3')	2.9 m (9.5')	182 kg (400 lb)	10	51~229mm (2.01~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80101160	50 kg (110 lb)	16 m (52.5')	2.6 m (8.5')	167 kg (368 lb)	10	51~229mm (2.01~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80110130	50 kg (110 lb)	13 m (42.7')	2.3 m (7.5')	152 kg (335 lb)	10	51~229mm (2.01~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80110100	50 kg (110 lb)	10 m (32.8')	2 m (6.6')	137 kg (302 lb)	10	51~229mm (2.01~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG

BP 80109170	70 kg (154 lb)	17 m (55.8')	2.9 m (9.5')	168 kg (370 lb)	9	66~229mm (2.6~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80109150	70 kg (154 lb)	15 m (49.2')	2.65 m (8.7')	160 kg (352 lb)	9	66~229mm (2.6~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80109130	70 kg (154 lb)	13 m (42.7')	2.45 m (8')	148 kg (326 lb)	9	66~229mm (2.6~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80109110	70 kg (154 lb)	11 m (36')	2.2 m (7.2')	138 kg (304 lb)	9	66~229mm (2.6~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80108170	100 kg (220 lb)	17 m (55.8')	3 m (9.8')	167 kg (368 lb)	8	82~229mm (3.23~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80108150	100 kg (220 lb)	15 m (49.2')	2.75 m (9')	157 kg (346 lb)	8	82~229mm (3.23~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80108120	100 kg (220 lb)	12 m (39')	2.35m (7.7')	140 kg (308 lb)	8	82~229mm (3.23~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80107160	150 kg (330 lb)	16 m (52.5')	3 m (9.8')	158 kg (348 lb)	7	98~229mm (3.86~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80107120	150 kg (330 lb)	12 m (39.4')	2.25 m (8.3')	130 kg (286 lb)	7	98~229mm (3.86~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80107090	150 kg (330 lb)	9 m (29.5')	2.1m (6.9')	124 kg (273 lb)	7	98~229mm (3.86~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80106145	230 kg (506 lb)	14.5 m (47.6')	3.2 m (10.5')	154 kg (339 lb)	6	118~229mm (4.65~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80106125	230 kg (506 lb)	12.5 m (41')	2.86 m (9.4')	142 kg (313 lb)	6	118~229mm (4.65~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80106105	230 kg (506 lb)	10.5 m (34.4')	2.53 m (8.3')	130 kg (286 lb)	6	118~229mm (4.65~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80105120	300 kg (660 lb)	12 m (39.4')	3 m (9.8')	135 kg (297 lb)	5	140~229mm (5.5~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80105100	300 kg (660 lb)	10 m (32.8')	2.6 m (8.5')	122 kg (269 lb)	5	140~229mm (5.5~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80105080	300 kg (660 lb)	8 m (26.2')	2.2m (7.2')	110 kg (242 lb)	5	140~229mm (5.5~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80104090	400 kg (880b)	9 m (29.5')	3 m (9.8')	118 kg (260 lb)	4	160~229mm (6.3~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80104070	400 kg (880b)	7m (23')	2.5 m (8.3')	105kg (231 lb)	4	160~229mm (6.3~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG

BP 80103070	500 kg (1100 lb)	7m (23')	2.9 m (9.5')	95kg (209 lb)	3	180~229mm (7.1~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80103050	500 kg (1100 lb)	5 m (16.4')	2.25 m (7.4')	81kg (178 lb)	3	180~229mm (7.1~9.0")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80408100	30 kg (66 lb)	10 m (32.8')	2.2 m (7.2')	60 kg (132 lb)	8	36~160mm (1.42~6.3")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80408075	30 kg (66 lb)	7.5 m (24.6')	1.9 m (5.2')	52 kg (114 lb)	8	36~160mm (1.42~6.3")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80507100	30 kg (66 lb)	10 m (32.8')	2.3 m (7.5')	50kg (110 lb)	7	36~140mm (1.42~5.5")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80507075	30 kg (66 lb)	7.5 m (24.6')	1.95 m (6.4')	41kg (90 lb)	7	36~140mm (1.42~5.5")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80606085	30 kg (66 lb)	8.5 m (27.9')	2.2 m (7.2')	55 kg (121 lb)	6	36~118mm (1.42~4.65")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 80605075	50 kg (110 lb)	7.5 m (24.6')	2.3 m (7.5')	40 kg (88 lb)	5	51~118mm (2.0~4.65")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81205072	15 kg (33 lb)	7.2 m (23.6')	2 m (6.6')	30 kg (66 lb)	5	28~87mm (1.1~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81205070	15 kg (33 lb)	7 m (23')	2 m (6.6')	35 kg (77 lb)	5	28~87mm (1.1~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81204060	35 kg (77 lb)	6 m (19.7')	2 m (6.6')	23 kg (50 lb)	4	43~70mm (1.7~2.76")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81204055	35 kg (77 lb)	5.5 m (18')	2 m (6.6')	15 kg (33 lb)	4	43~87mm (1.7~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81203046	60 kg (132 lb)	4.6 m (15')	2 m (6.6')	10 kg (22 lb)	3	56~87mm (2.2~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81203045	60 kg (132 lb)	4.5 m (14.8')	2 m (6.6')	12 kg (24.3 lb)	3	56~87mm (2.2~3.43")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81304060	15 kg (33 lb)	6 m (19.7')	2 m (6.6')	23 kg (50 lb)	4	28~70mm (1.1~2.76")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81304048	15 kg (33 lb)	4.8 m (15.7')	1.8 m (5.9')	12 kg (24.3 lb)	4	28~70mm (1.1~2.76")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81303046	35 kg (77 lb)	4.6 m (15')	2 m (6.6')	16 kg (35 lb)	3	43~70mm (1.7~2.76")	non-locking	250 pa (2.5 bar)/36 PSIG
BP 81303042	35 kg (77 lb)	4.2 m (14')	1.8 m (5.9')	10 kg (22 lb)	3	43~70mm (1.7~2.76")	non-locking	250 pa (2.5 bar)/36 PSIG

9 SERIES



9 series

Item Code	Payload Capacity	Extended Height	Nested Height	Approx. Mast Weight	No. of Sections	Tube Diameter Range	Collar Type	Max. Operating Pressure
BP 90111300	10 kg (22 lb)	30 m (100')	4.2 m (13.8')	290 kg (640 lb)	11	36~229mm (1.42~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90111250	30 kg (66 lb)	25 m (82')	3.35 m (11')	255 kg (560 lb)	11	36~229mm (1.42~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90111210	30 kg (66 lb)	21 m (71')	3.1 m (10.2')	221 kg (487 lb)	11	36~229mm (1.42~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90111180	30 kg (66 lb)	18 m (59')	2.75 m (9.4')	206 kg (454lb)	11	36~229mm (1.42~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90111150	30 kg (66 lb)	15m (49')	2.45 m (8')	181 kg (399 lb)	11	36~229mm (1.42~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90111120	30 kg (66 lb)	12 m (39')	2.15 m (7')	166 kg (366 lb)	11	36~229mm (1.42~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90110190	50 kg (110 lb)	19 m (62.3')	2.9 m (9.5')	190 kg (418 lb)	10	51~229mm (2.01~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90110160	50 kg (110 lb)	16 m (52.5')	2.60 m (8.5')	175 kg (385 lb)	10	51~229mm (2.01~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90110130	50 kg (110 lb)	13 m (43')	2.3 m (7.5')	160 kg (352 lb)	10	51~229mm (2.01~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90110100	50 kg (110 lb)	10 m (33')	2.0 m (6.6')	145 kg (319 lb)	10	51~229mm (2.01~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90109170	70 kg (154 lb)	17 m (61')	2.9 m (9.5')	178 kg (392 lb)	9	66~229mm (2.6~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90109150	70 kg (154 lb)	15 m (49.2')	2.65 m (8.7')	170kg (374 lb)	9	66~229mm (2.6~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90109130	70 kg (154 lb)	13 m (43')	2.45 m (8')	158 kg (348 lb)	9	66~229mm (2.6~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90109110	70 kg (154 lb)	11 m (36')	2.2 m (6.6')	148 kg (326 lb)	9	66~229mm (2.6~9.02")	locking	250 pa (2.5 bar)/36 PSIG

BP 90108250	100 kg (221 lb)	25 m (82')	3 m (12.8')	215 kg (474 lb)	8	82~229mm (3.23~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90108170	100 kg (221 lb)	17 m (61')	3 m (9.8')	176 kg (388 lb)	8	82~229mm (3.23~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90108150	100 kg (221 lb)	15 m (49.2')	2.75 m (9')	166 kg (366 lb)	8	3.23~229mm (2.6~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90108125	100 kg (221 lb)	12.5 m (41')	2.25 m (7.4')	149 kg (328 lb)	8	3.23~229mm (2.6~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90107160	150 kg (331 lb)	15 m (49.2')	3 m (9.8')	166 kg (366 lb)	7	98~229mm (3.86~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90107120	150 kg (331 lb)	12 m (39.3')	2.25 m (7.4')	138 kg (304 lb)	7	98~229mm (3.86~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90107090	150 kg (331 lb)	9 m (29.5')	2.1 m (6.9')	132 kg (291 lb)	7	98~229mm (3.86~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90106145	230 kg (507 lb)	14.5 m (47.6')	3.2 m (10.5')	160 kg (353 lb)	6	118~229mm (4.65~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90106125	230 kg (507 lb)	12.5 m (41')	2.86 m (9.4')	149 kg (328 lb)	6	118~229mm (4.65~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90106105	230 kg (507 lb)	10.5 m (34.4')	2.53 m (8.3')	137 kg (302 lb)	6	118~229mm (4.65~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90105120	300 kg (662 lb)	12 m (39.4')	3 m (9.8')	136 kg (300 lb)	5	140~229mm (5.51~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90105110	300 kg (662 lb)	10 m (32.8')	2.6 m (8.5')	128 kg (286 lb)	5	140~229mm (5.51~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90105080	300 kg (662 lb)	8 m (26.2')	2.2 m (7.2')	116 kg (255 lb)	5	140~229mm (5.51~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90104090	400 kg (882 lb)	9 m (29.5')	3 m (9.8')	123 kg (271 lb)	4	160~229mm (6.3~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90104070	400 kg (882 lb)	7 m (23')	2.5 m (8.2')	111 kg (244 lb)	4	160~229mm (6.3~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90103070	500 kg (1103 lb)	7 m (23')	2.9 m (9.5')	99 kg (218 lb)	3	180~229mm (7.1~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP90103050	500 kg (1103 lb)	5 m (16.4')	2.25 m (7.4')	85 kg (187 lb)	3	180~229mm (7.1~9.02")	locking	250 pa (2.5 bar)/36 PSIG
BP 90207100	100 kg (220 lb)	10 m (33')	2.3 m (7.5')	108 kg (238 lb)	7	82~202mm (3.23~7.95")	locking	250 pa (2.5 bar)/36 PSIG

BP 90306105	100 kg (220 lb)	10.5 m (34.4')	2.5 m (8.2')	95 kg (214 lb)	6	82~180mm (3.23~7.1")	locking	250 pa (2.5 bar)/36 PSIG
BP 90306085	100 kg (220 lb)	8.5 m (28')	2.2 m (7.2')	85 kg (187 lb)	6	82~180mm (3.23~7.1")	locking	250 pa (2.5 bar)/36 PSIG
BP 90408125	30 kg (66lb)	12.5 m (41')	2.5 m (8.2')	70 kg (154 lb)	8	36~160mm (1.42~6.3")	locking	250 pa (2.5 bar)/36 PSIG
BP 90407090	50 kg (110 lb)	9 m (29.5')	2.1 m (6.9')	55 kg (121 lb)	7	51~160mm (2.1~6.3")	locking	250 pa (2.5 bar)/36 PSIG
BP 90406075	70 kg (154 lb)	7.5 m (24.6')	2 m (6.6')	48 kg (105 lb)	6	66~160mm (2.6~6.3")	locking	250 pa (2.5 bar)/36 PSIG
BP 90405070	100 kg (220 lb)	7.0 m (23')	2 m (6.6')	46 kg (101 lb)	5	83~160mm (3.23~6.3")	locking	250 pa (2.5 bar)/36 PSIG
BP 90404050	150 kg (330 lb)	5.0 m (16.4')	2 m (6.6')	43 kg (95 lb)	4	98~160mm (3.86~6.3")	locking	250 pa (2.5 bar)/36 PSIG
BP 90403046	230 kg (507 lb)	4.5 m (15.1')	2 m (6.6')	40 kg (88 lb)	3	118~160mm (4.65~6.3")	locking	250 pa (2.5 bar)/36 PSIG
BP 90507078	30 kg (66lb)	7.8 m (25.6')	2 m (6.6')	57 kg (125 lb)	7	36~140mm (1.42~5.5")	locking	250 pa (2.5 bar)/36 PSIG
BP 90506065	50 kg (110 lb)	7.3 m (24')	2 m (6.6')	55 kg (121 lb)	6	51~140mm (2.1~5.5")	locking	250 pa (2.5 bar)/36 PSIG
BP 90505065	70 kg (154 lb)	6.5 m (21.3')	2 m (6.6')	51 kg (112 lb)	5	66~140mm (2.6~5.5")	locking	250 pa (2.5 bar)/36 PSIG
BP 90504055	100 kg (220 lb)	5.5 m (18')	2 m (6.6')	46 kg (101 lb)	4	82~140mm (3.23~5.5")	locking	250 pa (2.5 bar)/36 PSIG
BP 90503045	150 kg (330 lb)	4.5 m (15.1')	2 m (6.6')	45 kg (100 lb)	3	98~140mm (3.86~5.5")	locking	250 pa (2.5 bar)/36 PSIG
BP 90606090	30 kg (66lb)	9 m (29.5')	2.15 m (7')	53 kg (117 lb)	6	36~118mm (1.42~4.65")	locking	250 pa (2.5 bar)/36 PSIG
BP 90605070	50 kg (110 lb)	7 m (23')	2 m (6.6')	45 kg (100 lb)	5	51~118mm (2.1~4.65")	locking	250 pa (2.5 bar)/36 PSIG
BP 90604055	70 kg (154 lb)	5.5 m (18')	2 m (6.6')	40 kg (88 lb)	4	66~118mm (2.6~4.65")	locking	250 pa (2.5 bar)/36 PSIG
BP 90603042	100 kg (220 lb)	4.2 m (13.7')	2 m (6.6')	35 kg (77 lb)	3	82~118mm (3.23~4.65")	locking	250 pa (2.5 bar)/36 PSIG
BP 90602027	150 kg (330 lb)	2.7 m (8.9')	1.6 m (5.2')	30 kg (66 lb)	2	98~118mm (3.86~4.65")	locking	250 pa (2.5 bar)/36 PSIG