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South Midlands Communications
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HD Mast Range

The new Heavy Duty range of pneumatic masts is the largest, most rugged in the Hilomast portfolio. Designed to the highest possible specifications, these masts are used where extreme head loads need to be supported and where greater extended heights with maximum wind loading are required.



The flexibility of this range comes from using aluminium tubes that have smaller increments in diameter. This gives masts in the range larger top sections, in turn delivering a stronger mast. These smaller increments allow the HD range to contain up to 12 sections, letting HD masts reach greater extended heights from shorter retraction and giving more flexibility in extended heights, retracted heights and head-loads.

HD Series Specification

Mast	Height Extended	Height Retracted	Number of Sections	Top Section Diameter	Vertical Headload	Max Wind Speed Unguyed	Sail Area
	Metres	Metres		mm	kg	kph	Metres sq.
HD9-4	4.44	1.55	5	178	420	200	1.1
HD9-4L	4.44	1.6	5	178	420	200	1.1
HD9-7	6.82	1.7	8	140	264	190	1.1
HD9-7L	6.82	1.79	8	140	264	190	1.1
HD9-11	10.7	2.32	7	152	312	140	1.1
HD9-11L	10.7	2.4	7	152	312	140	1.1
HD9-12	12.1	2.37	8	140	264	110	1.1
HD9-12L	12.1	2.46	8	140	264	110	1.1
HD9-17	17.4	4.22	5	178	150	90	1.1
HD9-17L	17.4	4.27	5	178	150	90	1.1
HD9-18	18.1	2.56	12	89	90	55	1.1
HD9-18L	18.1	2.71	12	89	90	55	1.1
HD9-21	20.7	4.27	6	165	140	65	1.1
HD9-21L	20.7	4.33	6	165	140	65	1.1
HD9-24	24.1	4.32	7	152	90	50	1.1
HD9-24L	24.1	4.39	7	152	90	50	1.1
HD9-31	30.9	4.42	9	127	40	35	1.1
HD9-31L	30.9	4.51	9	127	40	35	1.1

L indicates masts with locking collars

The table above shows common masts in the HD range and is only a small selection of masts available. All masts in the range are modular by design - by adding sections and adjusting tube lengths, masts can be produced to fit specific customer requirements, often with little or no increase in delivery time. Specific part numbers may change depending upon finish, colour and other options. Please contact our sales team for a detailed quote to fit your exact requirements.



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HD Mast Applications

The HD range of masts are for special applications where high head loads and greater extended heights are required, or where maximum directional stability is necessary.

- Mounting video cameras fitted with telephoto lenses
- Microwave dish antennas for Electronic News Gathering/Outside Broadcast
- Direction sensitive antennas or devices
- CCTV
- Floodlighting, anemometers and survey equipment.
- Mobile cell sites

Mast Mounting Options & Accessories

Vehicle Fitment

For mounting masts through the roof of a vehicle or shelter. The assembly comprises an upper and lower aluminium bearing.



Compressor Range & Extension Times for HD Series

All models incorporate a pressure controlled switch to maintain the correct mast working pressure. They are quiet, maintenance free and assembled from components that have a proven reliability over many years. An optional remote control (RC1) is available for the NC2 and NC3 compressors.

Compressor Type	Approx. rate of extension. Metres per minute
HD Series	
NC2	1.2
NC3	2.7

Sigalarm

High voltage proximity detector designed to alert mast operators to the danger of contact with a live power line. Available in wireless or hard wired variants. We recommend the use of a Sigalarm with all of our masts.



Magnetic Safety Switch

To give an audio or visual warning that the telescopic mast to which it is fitted, has not been fully retracted. When fitted in a vehicle it can be used via a relay to interrupt the ignition circuit and prevent movement of the vehicle when the mast is not retracted.

Mounting Brackets

For mounting masts to the vertical surface of a vehicle or building. The kit comprises an upper and lower bracket.



Mast Cover

For weather protection when the mast is not in use.



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