

Ultralock

UL9-4, UL9-7, UL9-11, UL9-12, UL9-17, UL9-18, UL9-21, UL9-24, UL9-31

The new Ultralock range of automatic locking masts boast a world-first one-action release lowering mechanism.

Each section features a tri-pin automatic locking mechanism, which removes any risk of collar slippage, meaning the masts can support greater head loads for longer periods of time in more challenging environments.

Once air has been supplied to the mast, no user interaction is required until retraction. Even then, unlike other masts on the market, the SMC Ultralock can be retracted in one swift action.

Typical Applications:

- 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



Pivoting Base Unit

Mast	Height Extended (m)	Height Retracted (m)	Number of Sections	Top Section Diameter (mm)	Vertical Headload (kg)	Max Wind Speed Unguyed (kph)
UL9-4	4.26	4.55	5	178	420+	200+
UL9-7	6.32	1.7	8	140	264+	190+
UL9-11	10.34	2.32	7	152	312+	140+
UL9-12	11.60	2.37	8	140	264+	110+
UL9-17	17.61	4.22	5	178	150+	90+
UL9-18	15.97	2.56	12	89	90+	55+
UL9-21	20.98	4.27	6	165	140+	65+
UL9-24	24.34	4.32	7	152	90+	50+
UL9-31	31.01	4.42	9	127	40+	35+



Mast Mounting Options & Accessories



Tilt Over Post

Our Tilt Over Post is the perfect way to mount a SMC HD mast in a horizontal position. The unit can be easily deployed, having your mast erected in minutes. Built to SMC's usual high standards, it offers a robust base for your telescopic mast.



Mast Cover

For weather protection when mast is not in use. Made of strong waterproof material. Available as an end cover or a full mast cover. Every mast in our range has an available cover.



Mounting Brackets

For mounting masts to the vertical surface of a vehicle or building, the kit comprises two brackets. The aluminium top bracket has one half detachable to allow for removal of the mast without disturbing the bracket fixings. It incorporates Teflon bearing rings to protect the mast and a thumb screw for locking it in any desired azimuth position.



Vehicle Fitment

This mast mounting assembly is designed for vehicle or shelter roofs. The upper bearing includes a flange with a Teflon ring, a tapping plate and a weatherproof shield to secure the mast. The lower bearing has a Teflon disc for smooth rotation and a thumb screw to lock it in place.

Compressor Range

All models feature a pressure switch for optimal mast performance. They are quiet, reliable and maintenance-free. An optional remote control (RC1) is available.

UL9 Service Kit

This Service Kit is designed to provide a comprehensive set of components to ensure optimal performance, durability and longevity for your equipment.



It comes with a full array of advanced dampers which are tailored for precise adjustments to maintain a smooth operation, and can be customised to meet various requirements depending on environment and loads. The kit also includes PTFE-coated elements that are resistant to both friction and wear. The specialised coating also contributes to smoother overall functionality, reducing the need for frequent replacements.

We've also included a set of robust pan head retaining screws which firmly secure components in place. These screws are crafted for easy installation and offer lasting strength to ensure that all parts remain tightly fastened, even under heavy use. Keyway guides are included to maintain alignment and reduce wear, as well as a complete set of seals designed to prevent leakage and withstand varied temperatures.



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.

To further enhance functionality, the kit provides a sample of premium-grade Super Fluid lubricant, which helps reduce friction and wear, along with a bottle of winter-grade Kilfrost, ensuring reliable operation even in colder conditions.