

NH Series

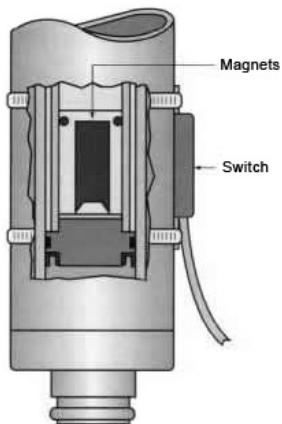
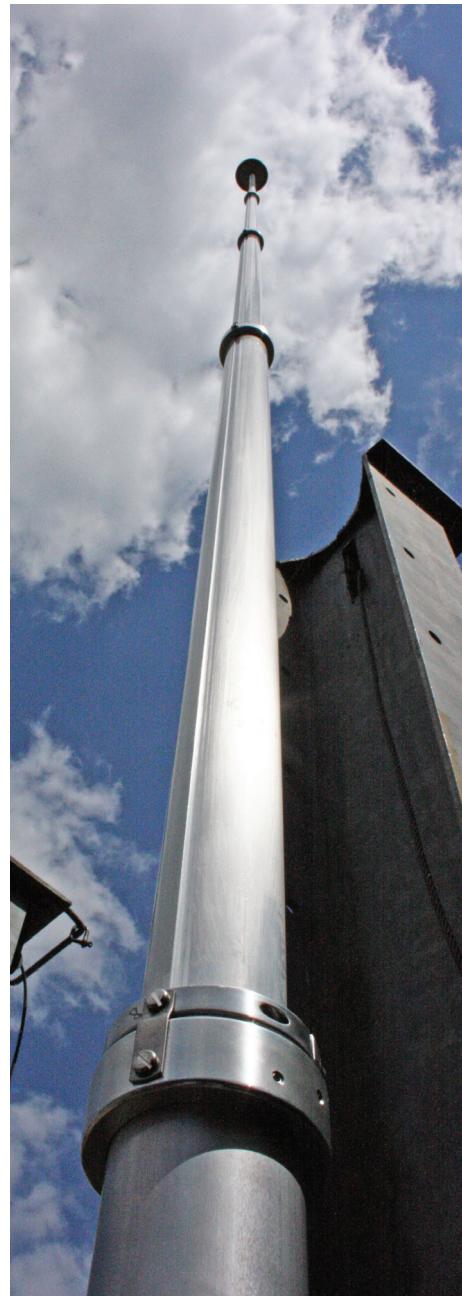
NH5, NH7, NH9

The NH Series of telescopic masts has a base section diameter of 89mm and is pneumatically operated with either a manual footpump or our NC1 compressor.

Although the smallest in the range, they are robust and ideal for applications where portability is of prime importance. Easily fitted to a vehicle, the masts are suited to mobile applications where light antennas are required. The top section diameter is specified in the table for the fitting of antennas. This range of masts is available with or without locking collars.

Typical Applications:

- Digital/CCTV Cameras
- RF Measuring Antennas
- WLAN Surveying
- Meteorological Equipment



Mast	Height Extended (m)	Height Retracted (m)	Number of Sections	Diameter of Top Section (mm)	Vertical Head Load (kg)	Max Wind Speed Unguyed (kph)	Max Wind Speed with Top Guys (kph)	Top Guy Ref. No. incl. Stakes	Basic Weight of Mast (kg)
NH5	5	1.41	5	38	18	180	180	NUG/1GS	15
NH5NLC	5	1.42	5	38	18	180			15
NH7	7	1.84	5	38	15	135	160	NUG/1GS	19
NH7NLC	7	1.85	5	38	15	135			19
NH9	9	2.3	5	38	13	108	147	NUG/3GS	23
NH9NLC	9	2.26	5	38	13	108			23



Mast Mounting Options

Mounting Brackets

NSM/89

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. (Hole centres NH mast 150mm for M10 bolts).



Rapid Deployment Unit (RDUs)

RDU/89

Our RDU is a very practical method of fitting your mast(s) to a mobile unit without making it a permanent feature. The RDU can be assembled easily and fits all vehicles.

Built to MIL SPEC 810.E standards, it offers a robust base for your telescopic mast. The vehicle weight holds the foot of the base in place, and larger models can be mounted to the roof rack or guttering of your vehicle. Special fitment brackets can be made to order.



Vehicle Fitment

NRB/89

For mounting masts through the roof of a vehicle or shelter. The assembly comprises an upper and lower aluminum bearing. The upper has three separate components, a flange fitted with a Teflon ring that is bolted to the outer skin of the vehicle, a tapping plate and a weatherproof shield that clamps to the mast. The lower bearing base plate has a Teflon disc to permit easy rotation of your mast and a thumb screw for locking it in position.



Tripods

We manufacture a range of rapid deployment tripods and stands for mounting your mast(s) on grass, hard surfaces, or both. Fully guyed, masts can be deployed in wind speeds of over 120kph. Speak to one of our experts to find the best solution for your application.

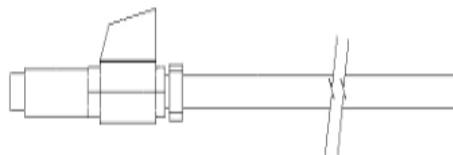




Compressor Remote Control

RC1

This is a 'three position' switch. It enables the mast to be extended, retracted or held at any height. These switches should be ordered with the compressor during manufacture.



Mast/Compressor Drain Kit

0500 50000

For use when retracting the mast/ opening the exhaust valve. An ideal piece of kit for venting air waste from the compressor to the outside environment when fitted inside a vehicle.



Foot Pump

NFP/1

General use twin cylinder foot pump fitted with pressure gauge, hose and special mast connector. Offering a typical extension speed of 8 metres per minute with an NH mast.



Top Guy Assembly

NH5/7, NUG/1-GS, NH9, NUH/3-GS

For use in inclement weather conditions or to give more directional stability to the top of the mast. In some cases masts will withstand higher wind speeds. The guy collar is designed to clamp to the upper end of the second from top section of the mast.



Rotation Handles

NRH/86

These handles assist the easy rotation of masts and fold to the vertical position when not in use. The aluminium collar is in two halves and can be fitted after mast installation.



Mast Cover

NHB

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.

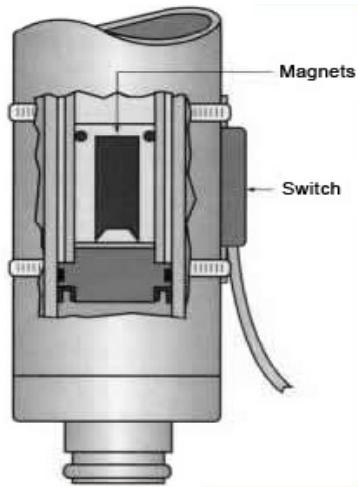


Cable Guides

CG/2612

Stainless steel cable guides are designed to screw directly into pre-tapped holes in each mast collar, allowing for quick attachment without the need to disconnect end terminations. Cable guides provide robust support and alignment, improving stability and durability of the system over time.

Please note: cable guides and supports are sold individually.



Magnetic Safety Switch

MAG38

This switch provides an audible or visual warning when the telescopic mast is not fully retracted. In vehicles, it can interrupt the ignition circuit via a relay to prevent movement. The switch, mounted on the mast's outer tube, is triggered by magnets at the bottom of the inner tube. These magnets are housed in aluminium, easily inserted into the mast's top section without dismantling, and secured by a neoprene O-ring.



Hand Pump

NHP1

New hand-pump, with integral valve and mast fixing brackets.



Base Guy Assembly

NBG/89

This arrangement is generally the easiest method of erecting a mast on open ground. The kit is complete with mast fittings, 3 guys, adjusters, base plate, ground stakes and pegs. The NH kits have polyester guy ropes and special 'one way' adjusters that allow the mast to be set vertically while still supporting it by hand.



NC1 12V / 24V / 230VAC Compressor

NC1

Portable and most suited to field applications, this compressor is the smallest and simplest in the range, offering an extension rate of approx. 7.2m per minute. Other variants and a remote control are available.

NH Service Kit

NC1

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.

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.

The NH Service Kit is ideal for making sure your mast remains in peak condition and is durable and reliable, regardless of environment.

