

## NK Series

### NK6, NK9, NK11

The NK Series of telescopic masts has a base section diameter of 102mm and is pneumatically operated with either a manual footpump or small air compressor.

Although designed for long term applications, the NK series is equally suited for experimental work. The top section diameter for fitting antennas is specified in the table below. The whole range of NK masts is also available without the locking collars, please contact our sales team to discuss your requirements. Easily fitted to a vehicle, the masts are suited to mobile applications where light antennas are required.

The NK Series masts are constructed from durable, high-quality materials that ensure reliability and stability in various environmental conditions. With a lightweight design and a smooth, pneumatic extension mechanism, these masts are quick to deploy and retract, making them ideal for field operations. Additionally, each mast in the NK series is equipped with weather-resistant seals to enhance performance in harsh weather, ensuring long-term functionality.

#### Typical Applications:

- Radio Communications
- Supporting Cameras
- Field Strength Measurements
- Meteorological Equipment



Mast	Height Extended (m)	Height Retracted (m)	Number of Sections	Diameter of Top Section (mm)	Vertical Head Load (kgs)	Max Wind Speed Unguyed (kph)	Max Wind Speed with Top Guys (kph)	Top Guys Ref. No. Inc. Stakes	Basic Weight of Mast (kgs)
NK6	5.9	1.64	5	50	27	164	164	NUG/2-GS	21
NK6NLC	5.9	1.6	5	50	27	164			21
NK9	9	2.3	5	50	22	114	137	NUG/2G-S	26
NK9NLC	8.9	2.3	5	50	22	114			26
NK11	10.9	2.37	6	38	18	96	125	NUG/3G-S	29
NK11NLC	10.9	2.3	6	38	18	96			29
NK16	16	4	5	50	20	65	112	NUG/4G-S	44
NK16NLC	16	4	5	50	20	65			44



## Mast Mounting Options

### Mounting Brackets

#### NSM/102

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 NK mast 150mm for M10 bolts).



### Rapid Deployment Unit (RDUs)

#### RDU/102

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/102

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.



### Four Leg Stand

#### N4L/102

This four legged stand is for field erection of NK Series masts. Constructed from aluminium alloy it has adjustable legs for irregular ground conditions. These fold into the mast for transit. Ground pegs are supplied for anchoring the feet and base plate. The top bearing and base plate permit the rotation of the mast and a thumbscrew locks it in any desired azimuth direction. Weight 12 kgs.





## Compressor Remote Control

### RC1

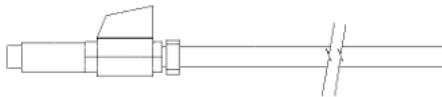
This is a 'three position' switch. It enables the mast to be extended, retracted or held at any height. These switches should be ordered with the compressor during manufacture.



## Mast Cover

### NKB

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.



## Mast/Compressor Drain Kit

### 0500 50000

For use when retracting the mast or opening the exhaust valve, providing an efficient solution for managing airflow. It is ideal for safely venting air waste from the compressor to the outside environment, especially when the compressor is installed inside a vehicle. By directing exhaust outside, this kit helps maintain air quality within the vehicle, enhancing safety and functionality in confined or mobile set ups.



## Rotation Handles

### NRH/102

These handles are designed to facilitate effortless rotation of masts, allowing for smooth and controlled adjustments. When not in active use, the handles fold up into a vertical position, minimising obstructions and preserving space around the mast. The aluminium collar, crafted for durability, is split into two halves and can be fitted after mast installation.



## Base Guy Assembly

### NBG/102

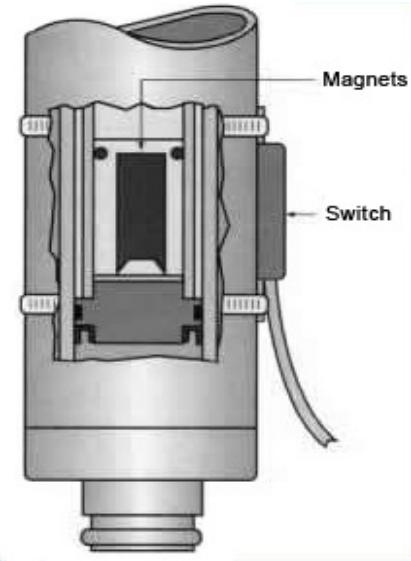
This setup is regarded as one of the simplest and most efficient methods for erecting a mast on open ground, particularly in locations where ease and stability are essential. The kit is comprehensive and includes all necessary components for a secure and stable installation: mast fittings, three durable guy lines, precision adjusters, a base plate, ground stakes and pegs. Special one-way adjusters are designed to simplify alignment by allowing the mast to be set vertically, even while supporting it by hand.



## Top Guy Assembly

### NK6/9, NK11, NK16

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.



## Magnetic Safety Switch

### MAG38, MAG50

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.



## Cable Guides

### CG/2612

These stainless steel cable guides are designed to be easily screwed into pre-tapped holes in each mast collar, providing a secure attachment point without the need to disconnect existing end terminations. Cable guides and supports sold individually.



## NC1 12V / 24V / 230VAC Compressor

### NC1

Portable and most suited to field applications, this is the smallest and simplest compressor in the range, offering an extension rate of approx. 4.2m per minute. Other variants and a remote control are available.



## Foot Pump

### NFP/1

This general-use twin-cylinder foot pump is designed for efficient use across a variety of settings. It is equipped with a built-in pressure gauge, hose, and special mast connector. Offering a typical extension speed of 5 metres per minute with an NK mast.

## NK 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.

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

