

NL Series

NL8, NL9, NL10, NL12, NL16

The NL Series of telescopic masts are a versatile, pneumatically operated mast system designed for ease of use and durability. Powered by an air compressor or a foot pump, it's easy to operate, service and maintain.

Heavier than the NK Series, these masts support larger antennas in harsher weather. While usable for portable applications, they are primarily designed for large vehicle installation, either bracket-mounted at the rear or roof-mounted

With a 127mm base section diameter, the masts can be pneumatically operated by air compressor, while shorter models can use a manual foot pump. The NL16 is compatible with a sliding carriage for roof mounting.

Masts NL8 and NL12 feature a 50mm top section diameter for antenna attachment and models NL9, NL10 and NL16 have a 50mm x 130mm top spigot.

Our modular pneumatic masts are available in custom sizes, with or without locking collars, and in various colors and finishes.



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)
NL8	7.9	1.77	7	50	25	140	140	NUG/2GS	34
NL9	8.8	2.44	5	76	35	130	130	NUG/6GS	37
NL10	10.5	2.5	6	63	27	110	120	NUG/5GS	41
NL12	12.2	2.43	7	50	25	95	110	NUG/4GS	46
NL16	15.6	4.15	5	76	23	78	102	NUG/6GS	61



Mast Mounting Options

Mounting Brackets

NSM/127

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/127

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/127

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/127

This four legged stand is for field erection of the NL 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 12kgs.

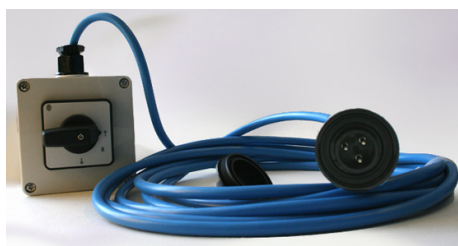




Mast Cover

NLB

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.



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.



Climbing Steps

NSP1/127/1, NSP1/127/2

Ideal for field use, these provide easy access to locking collars and antennas. They clamp anywhere on the mast's lower section and fold up for transit, with single steps for climbing and double steps for resting.



Top Guy Assembly

NUG/2-GS, NUG/4-GS, NUG/5-GS, NUG/6-GS, NUG/8-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.



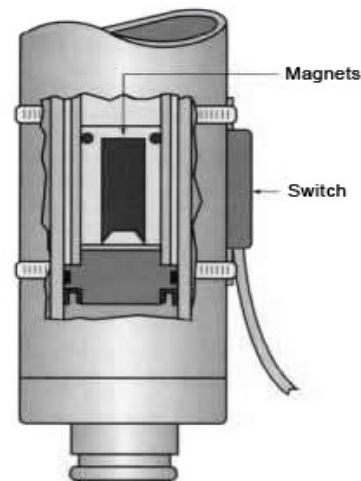
Base Guy Assembly

NBG/127

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 NL kits have polyester guy ropes and special 'one way' adjusters that allow the mast to be set vertically while still supporting it by hand.

Compressor Range and Extension Times

Mast	Height Extended
NL8	7.9
NL9	8.8



Magnetic Safety Switch

MAG/50, MAG/63, MAG/76

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.



Rotation Handles

NRH/127

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/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.

Suitable for
headloads
up to 35kg

Easy to service
and maintain

Reliable in
adverse weather

Foot pump
and compressor
options available