

NX Series

NX8 NX10 NX12 NX14 NX18 NX25 NX30 NX-022-989-7L

The NX Series of telescopic masts is engineered with a base section diameter of 152mm and operates pneumatically via an air compressor. Compared to the lighter NL Series, the NX Series is more robust and capable of supporting larger antennas, making it ideal for situations where maximum structural support is needed.

The NX Series is a preferred option when general use demands a sturdier, high-capacity mast. While the NX Series is suitable for portable applications, it is primarily intended for vehicle installations. It can be mounted either through a roof bearing or bracketed to the rear of a vehicle for stability and ease of deployment.

Models such as the NX18, NX25, and NX30 are compatible with sliding carriage mounts, allowing the mast to slide rearwards from the vehicle. Once in position, it can then be tilted and clamped securely in an upright position for optimal functionality.

Typical Applications:

- Large Antennas
- Vehicle Installations
- Meteorological Equipment



Mast	Height	Height Retracted (m)	Number of	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)
NX8	7.6	1.91	7	76	50	155	155	NUG/6GS	50
NX8NLC	7	1.7	7	76	50	155			50
NX10	10.1	2.51	6	89	50	120	120	NUG/7GS	60
NX10NLC	9.7	2.3	6	89	50	120			60
NX12	11.96	2.5	7	76	30	104.4			65
NX14	13.6	2.64	8	63	35	92	95	NUG/5GS	70
NX14NLC	13	2.4	8	63	35	92			70
NX18	18.5	4.32	6	89	30	70	83		93
NX18NLC	18.5	4.2	6	89	30	70			93
NX25	25	4.44	8	63	20	52	80	NUG/9GS	110
NX25NLC	25	4.3	8	63	20	52			110
NX30	29.8	4.57	9	50	14	44	75	NUG/8GS	120
NX30NLC	29	4.4	9	50	14	44			120
NX-022-989-7L	9.9	2.2	7	76	35	138		NUG/7GS	



Mast Mounting Options

Mounting Brackets

NSM/152

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.



Rapid Deployment Unit (RDUs)

RDU/152

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/152

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.



Compressor Range and Extension Times for NX Series

Our compressors are carefully engineered for reliability and efficiency, featuring an air-cooled, oil-less design of the diaphragm type to ensure clean and consistent performance. Each compressor is housed in a durable steel casing, providing protection for demanding environments, and is powered by a high-quality electric motor that ensures steady operation. All models are equipped with a pressure-controlled switch, which maintains the optimal working pressure required for mast operation.

The compressors are quiet, maintenance free and ideal for continuous use without the need for frequent checks. For the NX mast, we recommend using our NC2 or NC3 compressor.

Compressor	Approx. rate of mast extension
NC2	3.2 metres per minute
NC3	7.5 metres per minute



Compressor Remote Control

RC1

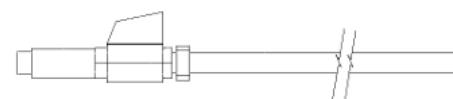
This is a 'three position' switch. It enables the mast to be extended, retracted or held at any height. These switches should be ordered with the compressor during manufacture.



Mast Cover

NXB

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/152

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.



Climbing Steps

NSP1/152/1, NSP1/152/2

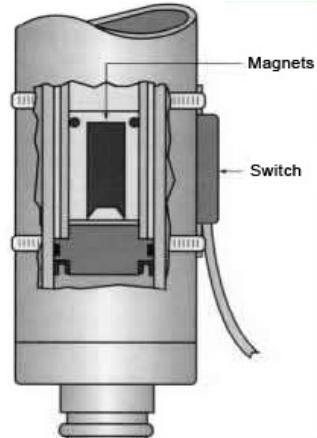
Designed specifically for field use, these versatile climbing steps offer convenient and safe access to locking collars and antennas. They can be securely clamped onto any point along the mast's lower section. The steps are built to fold up neatly for compact storage and easy transport. The steps are created to withstand harsh outdoor conditions but are still lightweight.



Top Guy Assembly

NUG/5-GS, NUG/6-GS, NUG/7-GS, NUG/8-GS, NUG/9-GS, NUG/10-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.



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.

Mid Guy Assembly

This kit is complete with mast fittings, 3 guys and adjusters. NX kits have polyester guy ropes and is used for extra stability.

Suitable for Portable Applications

Pneumatically Operated via Air Compressor

Robust and Durable Design

Base Section Diameter of 152mm