

## NN1900 Navigation Buoys

**Norfloat International's NN1900 navigation buoy has been developed for off-shore, in-shore, rivers and estuaries.**

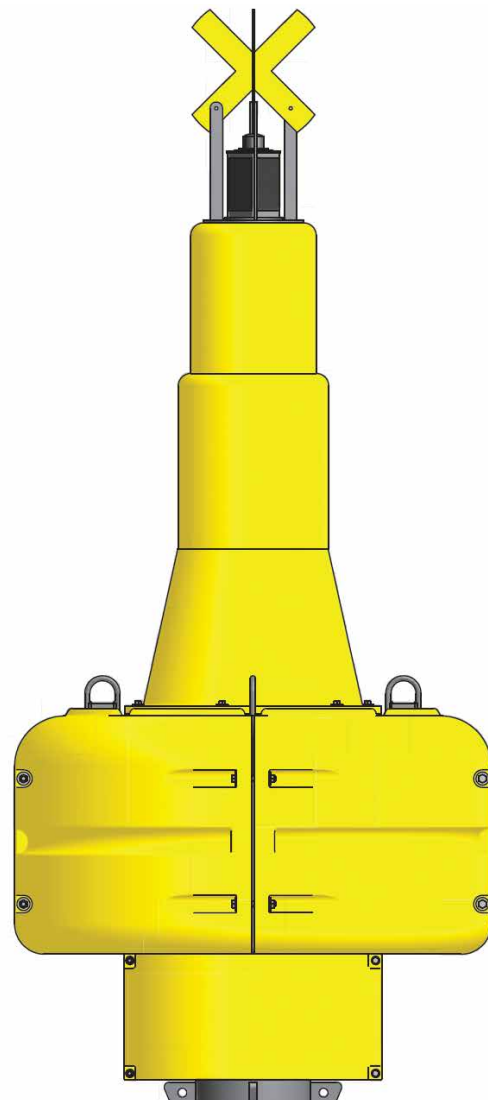
The NN1900 is available in either long keel or standard short keel configuration. The long keel (spar buoy) design, provides excellent stability making it an ideal platform for long range lighting and it is best suited to shallow and exposed applications. The long and short keels have been designed to allow fine adjustment to the centre of gravity, maximising stability to suit local conditions, whilst keeping costs to a minimum.

The NN1900 is rotationally moulded using ultraviolet stabilised virgin polyethylene - providing excellent impact resistance. The low energy surface character of polyethylene reduces marine growth significantly, helping keep maintenance time and cost to a minimum. Each of the four hull sections are filled using marine grade polyurethane foam to a density of 36kg/m<sup>3</sup> making the NN1900 virtually unsinkable.

Similar design to the very successful and proven NN1400, the NN1900 also uses polyethylene above the hull, providing a strong lightweight high visibility superstructure for enhanced stability and low maintenance. The two section tower can be replaced whilst on station, and will accept internal radar reflector and all makes of self-contained lights.

Optional bespoke aluminium towers can be supplied for specialist application.

For safety and ease of handling purposes the buoy can be handled using two or four lifting eyes.



## Specifications

### Dimensions

Diameter	1900 mm
Air weight	950+ kg
Ballast	100-500 kg
Hull volume	2656 ltrs
Reserve buoyancy	1605 kg
Focal height	3000 mm
Draft	930 mm
Overall height	4535 mm

### Handling

Lift points	4
-------------	---

### Mooring

Connection	Single point bridle
Chain	25-38 mm

### Construction

Hull	4 Section MDPE
Central core	Galvanised steel
Tower	2 Section MDPE
Day mark	Marine grade aluminium

### Application

Coastal
Inshore

## Features

### UV stabilised polyethylene

For excellent impact resistance and reduced maintenance costs.

### Foam filled

Norfloat International's range of navigation buoys are pressure foam-filled using marine grade polyurethane foam, to a density of 36kg per cubic metre. In the unfortunate event of a collision, the buoy will remain afloat.

### Replaceable tower

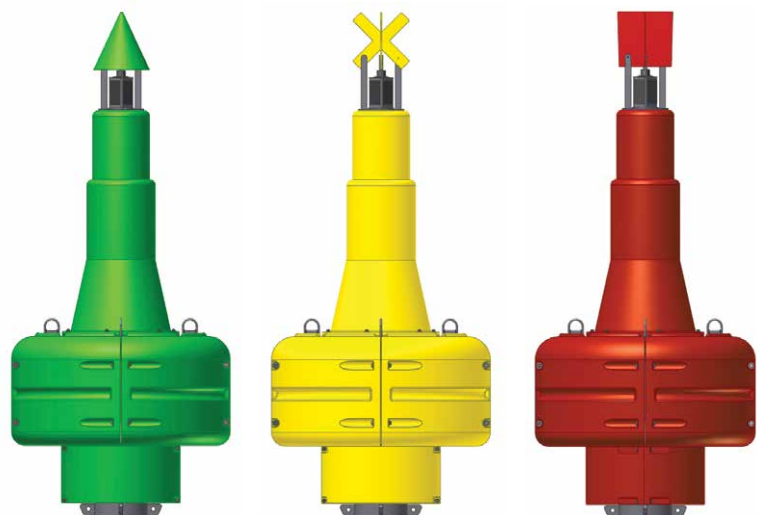
In the event of damage, the two section tower can be replaced whilst on station. The tower will accept all makes of self-contained lights, solar panels, ladders and internally fitted radar reflector.

### Handling

For safety and ease of handling purposes the buoy can be handled using two or four lifting eyes.

### Keel

The NN1900 buoy is available in either; long keel or the standard short keel. The long keel system (spar) provides excellent stability making it very suitable for shallow and exposed applications.



Although every effort is made to provide accurate information, dimensions and weights may vary slightly. Norfloat International reserves the right to change specifications without notice.