

# Boating Spar

## VEP160/225, EJV 160/225



## Optimal buoy for Marinas

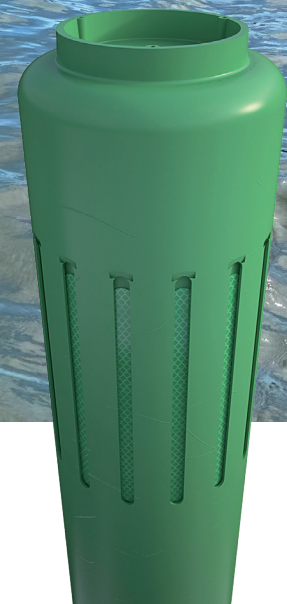
Boating Spar VEP160/225 is designed for Marinas and shallow waters and has a draft of only 1,4 m. Even today 5000 units are in year-round use in Finland.

The buoy has optimal features to be used in Marinas. Conspicuity is adequate and possible collisions with boats will not damage either. This is due to hit-tolerant elastic body and light weight of the buoy.

VEP160/225 is deployed in conventional way by using sinker and rope. Due to relatively small buoyancy chain cannot be used.

The buoy can be equipped with a solar powered location tracker turning unlit spar buoy into digital smart buoy. Smart buoys are connected to Arctia's AtoNs remote monitoring system.

The buoy is used without a lantern.



## Area of use

Marinas  
Boating fairways  
Inland waterways  
Marker buoys

## Specifications

\*) can be adjusted according to customer needs

Overall length *)	3.4 m	Retro reflector	72 cm <sup>2</sup> (3M diamond)
Diameter	160/225 mm	Radar reflector	Trihedral TH160
Draft *)	1.4 m	Radar cross area RCS	9.2 m <sup>2</sup> (X-band)
Wall thickness	6.3 mm	Color	IALA-E108
Polyethylene material	HD 100 extruded pipe	Color and UV stability	26 years (lat. 50) on main surfaces
Polystyrene filling	EPS 150 closed shell	Mooring sinker weight	0.6 - 1.0 ton
Dry weight without ballast	36 kg	Maximum current	1 kn
Required ballast weight	12 kg	Maximum wave height	1 m (significant)
Buoyancy at MSL	48 kg	Lantern	N / A
Focal plane at MSL *)	2.0 m	Battery capacity	N / A
Nautical conspicuity	0.5 NM	Top Mark	Optional

We can customize the buoys for your needs

