Tridel Mooring Buoys

Tridel manufactures a versatile range of mooring buoys suitable for commercial, naval, and offshore applications. Available in Polyethylene (PE) and Steel construction, these buoys are designed to provide robust mooring solutions across various marine conditions, from sheltered harbors to open-sea environments.

Product Range Overview

Feature	PE Mooring Buoy	Steel Mooring Buoy
Diameter Range	1.0 m to 3.5 m	Custom (typically 1.5 m to 3.5 m)
Construction	UV-stabilized polyethylene shell with foam core	Welded marine-grade steel shell
Core Structure	Internal steel load frame	Reinforced steel throughout
Buoyancy	Closed-cell polyurethane foam-filled	Air or foam-filled; internal ballast optional
Durability	High impact and corrosion resistance	Very high strength and mooring load capacity
Corrosion Protection	Corrosion-resistant PE; no painting required	Marine epoxy coating; sacrificial anodes optional
Maintenance	Low	Moderate (periodic recoating)
Optional Fittings	Solar light, radar reflector, AIS, chain swivel	Same, with heavier-duty mounting options
Applications	Marinas, aquaculture, light-duty offshore mooring	Ports, navy, tankers, offshore platforms

Key Features

- High Visibility: Available in IALA-compliant colors (red, green, yellow, white).
- Heavy-Duty Hardware: Galvanized or stainless-steel mooring eyes, swivels, and central load posts.
- Customizable Options: Integrated navigation lights, data telemetry, identification panels, and remote monitoring units.
- Certifications: Designed to meet IALA and IMO guidelines for maritime buoyage and mooring systems.

Applications

- Vessel and barge mooring
- Temporary anchorage for offshore systems
- Floating docks and terminals
- Navigation and safety zones
- Research platforms and aquaculture grids

Design Images: