**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:**



