

# Super Cell Marine Rubber Fender

The super cell marine rubber fender is a second-generation cell type fender with enhanced performance. It offers increased energy absorption and reduces pressure on the ship's side board, making it suitable for large vessels.



## Product Overview



High-performance marine rubber fender designed for superior impact absorption and structural protection.

### Super Cell Marine Rubber Fender

The TLT-AA Super Cell Rubber Fender represents a high-performance second-generation solution for modern port infrastructure and vessel berthing. Engineered for superior durability and impact protection, this fender features a specialized design that increases energy absorption by approximately 17% while maintaining efficient reaction force profiles. Enhanced with UHMW-PE cladding, it reduces friction and shear forces during contact, significantly extending the service life of both the fender and the vessel's hull.

## Key Features



Constructed from durable rubber compounds, providing reliable cushioning and resistance to harsh marine environments.

### Performance Benefits

- Increased energy absorption by 17% compared to standard cell fenders
- Improved E/R-H value efficiency by 15%
- Reduced ship-side pressure (below 200KN/i) for safer large-vessel berthing
- Minimized friction and shear power via integrated UHMW-PE front panel
- Stable performance during slant compression

## Technical Specifications

### Dimensions & Weights

Model	Height (mm)	Weight (kg)
TLT-AA 500	500	111
TLT-AA 1000	1000	825
TLT-AA 1600	1600	3030
TLT-AA 2000	2000	5030
TLT-AA 3000	3000	18500

### Operational Limits

**52.5 %**

Rated Compression Deflection

**55 %**

Maximum Compression Deflection

**10 %**

Performance Tolerance

## Compliance

### Certifications & Standards

ISO 9001, ISO 14001, China Classification Society Approved