

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