

Marine Fender Products



I Series Element Fenders

Excellent ER Ratio / Flexible Installation 300mm-1600mm Standoff Standard Models



SC Series Super Cell Fenders

Excellent ER Ratio / Non Directional Performance 400mm-3000 Standoff Standard Models



UC Series Ultra Cell Cone Fenders

Outstanding ER Ratio / Unrivaled Angular Performance 600mm-2000mm Standoff Standard Models



A Series Super Arch Fenders

Excellent ER Ratio / Easy Stand Alone Installation 200mm-1000mm Standoff Standard Models



O Series Cylindrical Fenders

Moderate ER Ratio / Easy Stand Alone Installation 100mm-5000mm Standoff Standard Models



F Series Foam Filled Floating Fenders

Ideal For Wide Tidal Range / Easy Installation 400mm-5000mm Standoff Standard Models

D Series D Shape Fenders

Ideal For Beam - Pile Installation / Simple & Versatile 150mm-600mm Standoff Standard Models



R Series Rectangular Fenders

Ideal For Beam - Pile Installation / Simple & Versatile 150mm-600mm Standoff Standard Models



TC/TCS Series Turn Cell Fenders

Ideal For Channel - Corner Protection / 1-3 Cell Configuration 400m-3000 Standoff Standard Models



EC Series End Loaded Cell Fenders

Ideal For Ship to Ship Application / Easy Installation 400mm-3000mm Standoff Standard Models



Custom Fenders

Special Applications / Replacements Custom Dimensions / Material / Specifications / Bolt Pattern



Front Panels / Standoff Compensators / Tilting Limit Pivot Arms Specialty Chains / Hardware













CA Series Integrated Capstan

1-10T Standard Model for ORHS

CB Series Stand Alone Capstan

Automation / EXD / IP Options

Vertical or Horizontal Configura

Automation / EXD / IP Options

AE Series Electric Actuators

Automation / EXD / IP Options

Automation / EXD / IP Options

Standard Model For QRHS Release

Standard Model For ORHS Release

Custom Drives & Automation

Winches / Gangway Towers etc.

AH Series Electro Hydraulic Actuators

MEM Sensor Cranes / LDMU Turn Tables etc.

Marine Capstan - Drive Products





Marine Monitoring & Automation Hardware



LIS Local Interface Stations

Sensor Hub / Network Gateway / Network Storage Local - Network Controller / Local - Network Monitor



DCS / DMS Digital Control Stations

Programmable Control / Straight Forward Monitoring Rugged Construction / Mass Storage



CMS / CCS Computer Monitoring Stations

Work with MMCS-PC Suite Software / Control Option Ultimate Monitoring / Analysis / Reporting Functionalities



HMS / HCS Handheld Monitoring Stations

Mobile Monitoring Device with Control Option Active System Data Acquisition Capability



PSU Wireless Positioning Sensor Unit

Array of Gyro Scope-Accelerometer-Specialty BIM Sensors Custom Designed Berthing Impact Monitoring-Fender Monitoring



LS Series Load Sensors

10-250T Load Measurement For MLM System / QRHS Better Than 1% Accuracy / IP-EXD / Customizable



DS Series Distance Sensors

200-500m Laser Distance Measurement For BSM System Millimeter Accuracy / IP-EXD



LDMU Large Display Monitoring Units

Large Ultra Bright Display Visible From Great Distance Key BSM Data Display & General Message Board



WDS Series Wind Sensors

Accurate Measurement of Wind Speed & Direction For Integration into MEM Sub System



CS Series Current Sensors

Accurate Measurement of Current Speed & Direction For Integration into MEM Sub System



Marine Monitoring & Automation Software



MMCS PC Suite BIM Software

Berthing Accident Real Time Monitoring & Alarms Fender Monitoring & Preventive Maintenance Guidance



MMCS PC Suite MLM Software

Advanced Mooring Load Monitoring & Analysis
Conventional Mooring Load Monitoring with Vector Analysis



MMCS PC Suite BSM Software

Advanced Berthing Vessel Status Monitoring & Analysis Conventional Laser Distance Monitoring with Scanning Capability



MMCS PC Suite ACM Software

Real Time or Preset Programmable Automation Stand Alone or Integrated with MMCS Monitoring Applications



MMCS PC Suite MFM Software

Current Wave Wind Air Gas Monitoring Stand Alone or Integrated with Other MMCS Applications



MMCS PC Suite Automation Software

Program Controls of System Wide Actuators / Drives For Automation Stand Alone or Work with DCS-DMS Control Stations



MMCS PC Suite Fender Testing – Monitoring Software

Fender System Performance Monitoring & Analysis In House or Field Testing Capability

Mooring Bollard - Cleat Products



DBA2 Series Double Bollards

20T-300T Standard Models, Wide Angle Cast Steel or Cast Iron



DBB1 Series Double Bollards

30T-300T Standard Models Cast Steel or Cast Iron



DBC1 Series Double Bollards

3T-50T Standard Models Cast Steel or Cast Iron



SBF1 Series Double Bollards 10T-300T Standard Models

Cast Steel or Cast Iron



CI Series Cleats

5-50T Standard Models in 7 Series Cast Steel or Other Materials



Custom Casting & Hardware

Special Mooring Devices and Hardware Bollard Anti Slip Devices



SBA3 Series Single Bollards

5T-300T Standard Models Cast Steel or Cast Iron / Slanted Post



SBB1 Series Single Bollards

3T-300T Standard Models Cast Steel or Cast Iron



SBC1 Series Single Bollards

Cast Steel or Cast Iron



SBD1 Series Single Bollards 30T-300T Standard Models

SBD2 Series Single Bollards



30T-300T Standard Models





Z1 Single Quick Release Hook Systems

Optional Capstan / Automation / Monitoring



30-200T Standard Models

Z3 Triple Quick Release Hook Systems



Z4 Quadruple Quick Release Hook Systems

Optional Capstan / Automation / Monitoring



Z6 Sextuple Quick Release Hook Systems 30-200T Standard Models

Z4B Quadruple Quick Release Hook Systems



Z6B Quadruple Quick Release Hook Systems

Optional Capstan / Automation / Monitoring



Custom Hook Configuration / Orientation Custom Dimensions / Material / Specifications







Cast Steel or Cast Iron

50T-300T Standard Models

Cast Steel or Cast Iron

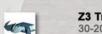


SBE1 Series Single Bollards

Cast Steel or Cast Iron



Z2 Double Quick Release Hook Systems Optional Capstan / Automation / Monitoring

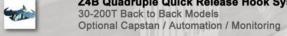


30-200T Standard Models Optional Capstan / Automation / Monitoring

30-200T Standard Models



Optional Capstan / Automation / Monitoring





Customized Hook Assemblies

30-200T Back to Back Models