Stern and side door fenders

AMS Advanced Mechanical Solutions

AMS stern and side door fenders are high-performance carbon-fibre structures, engineered to provide maximum protection, strength, and ease of use. Each unit is designed using Finite Element Analysis (FEA) to achieve the optimal balance between stiffness and low weight, using advanced composite technology.



KEY ADVANTAGES

- Quick-lock system for fast and easy installation
- Lightweight and stiff carbon-fibre structure
- Custom-fit design for any stern or side door
- Shock-absorbing EVA bumpers to mitigate impacts
- Optimised geometry to absorb and distribute loads effectively
- Corrosion-resistant materials for long-term reliability
- Foldable interface base for compact stowage
- Elegant, functional design matching the yacht's aesthetics
- Finishing options: clear carbon (glossy or matt) or painted in any RAL/custom colour

Every fender is custom-engineered to perfectly match the yacht's door geometry, ensuring seamless integration, aesthetic harmony, and full functionality.

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Number of bumpers and size	2 bumpers (1000 mm), 3 bumpers (1500 mm), 4 bumpers (2000 mm) (available from 2027)
Bumper materials	High-resistance EVA foam, available in a wide range of colours
Frame and base material	Epoxy resin carbon fibre, vacuum-laminated
Quick lock system material	AISI 316L polished stainless steel
Overall fender weight	Approx. 22 kg (3 bumper configuration)
Maximum tender displacement (two fenders system)	Up to 13 tonnes
Foldability	Interface base foldable for easy storage
Finishing	Clear carbon glossy/matt or painted in any RAL/custom yacht colour

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