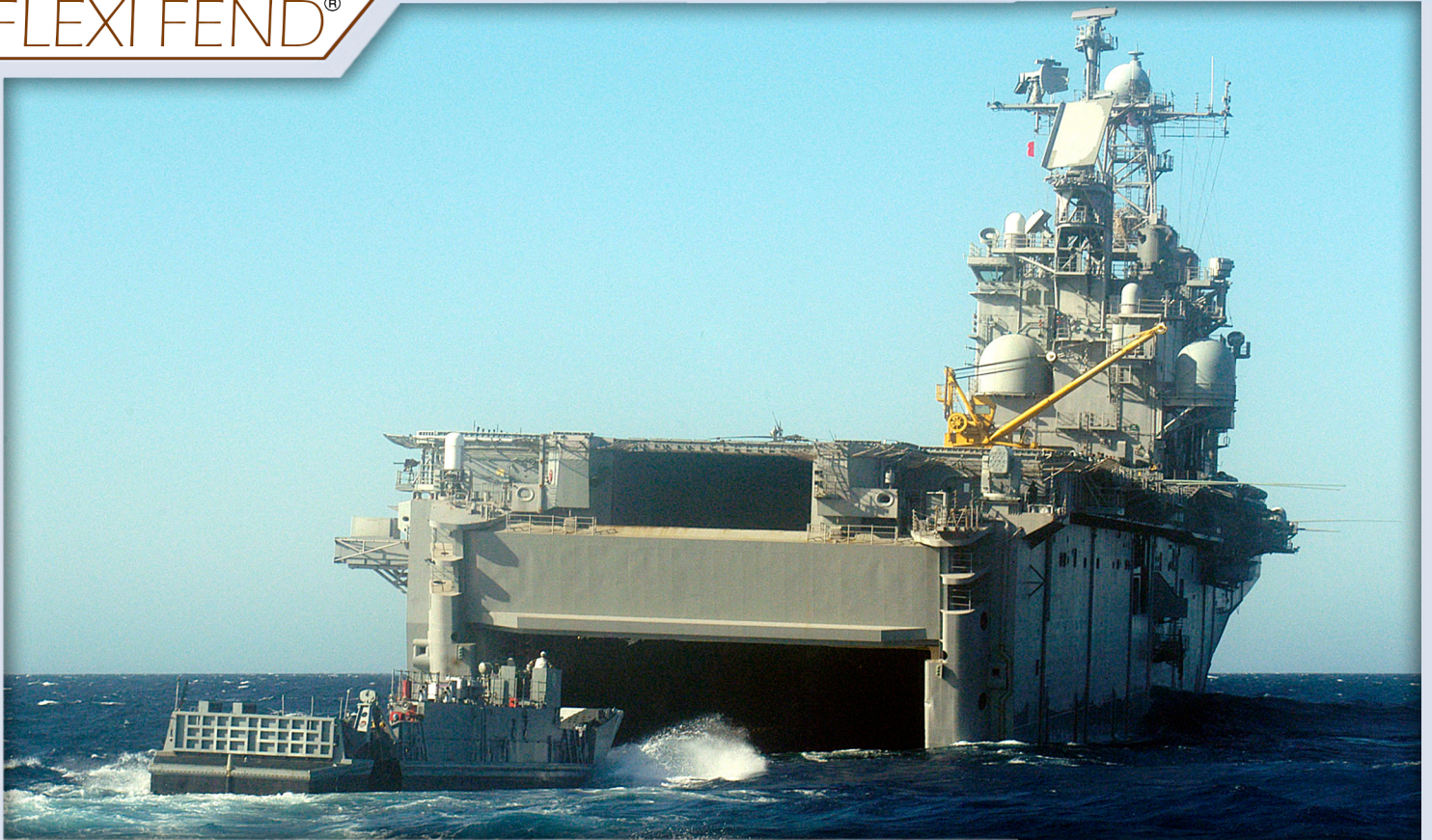




POLYMER INDUSTRIES

GEARED TOWARDS EXCELLENCE

POLYSLICK® **FLEXI FEND®**



Flexi Fend® protects both the landing craft and the host vessel during Amphibious Fleet well operations.

Flexi Fend® is a patented open "P" shape fender made from 100% **POLYSLICK®** UV stabilized, low friction, lightweight UHMW-PE. Energy absorbing **Flexi Fend®** was developed, tested, and refined to eliminate the problems of steel and rubber fenders aboard Landing Craft Utility (LCU) ships. **Flexi Fend®** is designed to compress and recover while maintaining a smooth and low friction contact face. During demanding well deck operations and other close contact berthing situations, steel half pipe fenders crush and deform. High friction rubber fender elements grab at contact causing attachment systems to fail. Further, when compared to **Flexi Fend®**, both steel and rubber are much heavier therefore reducing the LCU's payload capacity. **Flexi Fend®** is protected by U.S. Patent nos. 6,832,570 / 6,948,440 / 7,624,694 / 8,029,209



POLYSLICK® FLEXI FEND®



All photos provided by www.navy.mil

FEATURES

Absorbs energy
Low friction non-grabbing
Lightweight
Non-marking
UV stabilized
Resistant to salt water and oil
Virtually unbreakable

Wall Th.	Height	Defl.	Theor. Force	Spring Stiffness	Pot. Energy
1.00"	10.00"	1.644"	4,000 lbs	6,576 in-ibs	274 ft-lbs

COLORS

Black or Grey
Other colors available upon request

SIZES



Above figure shows the standard 1.00" x 10.00" LCU profile dimensions
Other standard sizes include:

Wall Th.	Height	Width
.625"	10.00"	4.20"
.75"	10.00"	4.20"
1.00"	10.00"	4.20"
.25"	4.00"	2.10"
.375"	4.00"	2.10"

All Flexi Fend® profiles are manufactured in 96.00" lengths

A berthing analysis can be performed as part of the design process and when used with FEA, prior test data, and force curves, the required strength characteristics can be determined.

Distributed by:

POLYMER INDUSTRIES

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Rev 4