

## 聚氨酯实心漂浮护舷 / Foam Filled Fender

聚氨酯漂浮护舷是一种压缩型护舷，利用聚脲材料作外保护层、内部采用聚氨酯发泡材料或塑料发泡体作缓冲介质；在使用过程中通过它的压缩变形来吸收船舶的冲击能量，从而减轻对码头和船舶的破坏作用。

Polyurethane Foam Filled fender is a floating type compression fender, It is used PU material as the outer protective layer, internal using closed-cell foam materials as buffered medium to reduce the damage of collision; In the process of application, the fender by its compression deformation to absorb the impact energy of the Vessels, so as to reduce damage to the wharfs and ships.



### 特点 / Features:

聚氨酯漂浮护舷最大的特点是具有漂浮性能，不受潮差影响；色泽鲜艳，可根据用户要求提供各种颜色的制品；使用时不需要检查，不用充气，不怕划，不怕磨擦、耐海水、耐酸碱，可使用十到十五年，而且具有免维护性；没有爆破的危险，安全性高。聚氨酯漂浮护舷反力由小到大而且吸能量极高.适合外海敞开式码头、重力式（墩式）码头、特别潮差大的码头和外海两轮船接船、过船等使用。

Foam Filled fender's biggest characteristics: it has good floating performance, not influenced by tidal range; Bright color, can according to user requirements to provide various kinds of color of the fenders; Don't need to check when using, need not inflatable, not afraid of friction, resistance

to sea water, acid and alkali, can use 10 to 15 years; Meanwhile, There is no risk of blasting, high safety. Floating Foam filled fender reaction force from small to large and high energy absorption. So it very suitable for open sea terminals, gravity (pier) port, especially for large tidal range docks and ship to ship, ship to dock.

## 分类 / Types:

聚氨酯护舷可以分为提绳式护舷和法兰式护舷两种。

Foam filled fender can be divided into Rope Type foam filled fender and Flange Type foam filled fender.

法兰式护舷主要分为带护套与不带护套两种。其中护套也有单纯绳索护套和轮胎链条环绕式两种。

Flange Type foam filled fender is mainly divided into fender with Chain and Tyres Net and without Chain and Tyres Net.

## 提绳式聚氨酯护舷 / Rope Type Foam Filled Fender:



## 法兰式聚氨酯护舷 / Flange Type Foam Filled Fender:



**产品规格 / Specification:**

**聚氨酯漂浮护舷的规格、性能表**  
**Polyurethane floating fenders specification and performance table**

规格/Specification		压缩变形量 60% /Compression Deflection at 60%		Reference Weight (KG)
直径 Diameter/ mm	长度 Length/mm	反力 Reaction Force/ KN	吸收能量 Energy Absorption / KN/M	
300	500	38	1.8	8
400	800	56	2.6	20
500	1000	72	26	38
1000	1500	205	49	208
1000	2000	274	64	270
1200	2000	337	93	400
1500	3000	624	216	928
2000	4000	990	456	2290
2500	4000	1680	918	3430
3000	6000	2460	1695	7285
4500	9000	19650	7860	21463

备注： 1. 反力与吸能公差 $\pm 10\%$  2. 重量公差 $\pm 10\%$  3. 特殊尺寸可根据要求制造

NOTE: 1. Reaction force and Energy absorption tolerance is  $\pm 10\%$

2. Weight tolerance is  $\pm 10\%$

3. Special size can be produced follow customer's needs.







