

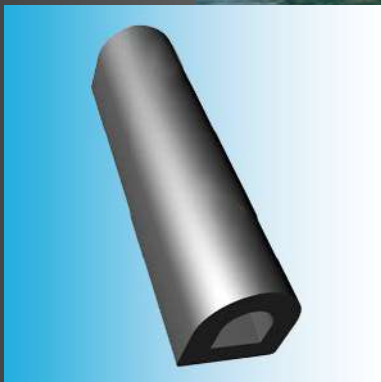
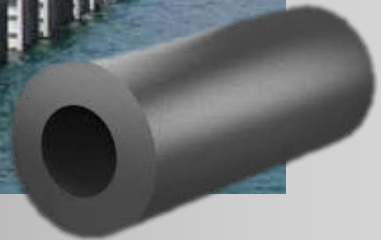


IOCS S.r.L.

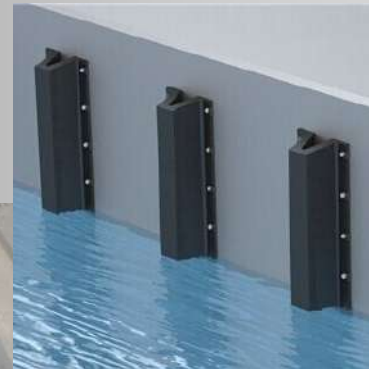
Hoses & Ancillaries Equipment Supply for Oil & Gas Industry

FENDERS

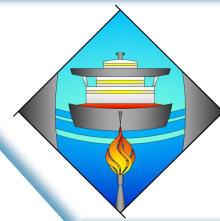
FENDERS?



- Cylindrical Fenders
- D - Fenders
- V - Fenders



Cylindrical Fenders



Product Code: 400

Produced by extrusion, are durable and effective in sea water, resistant to solar radiation and possible chemical and biological agents.

Temperature working range -30°C to $+40^{\circ}\text{C}$

You may also have different characteristics from the standard ones depending on the needs of the customer.





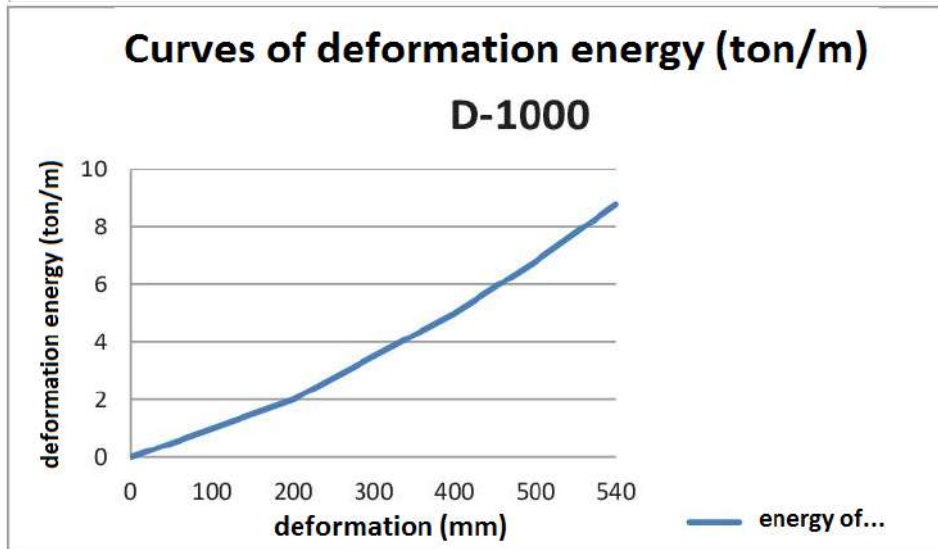
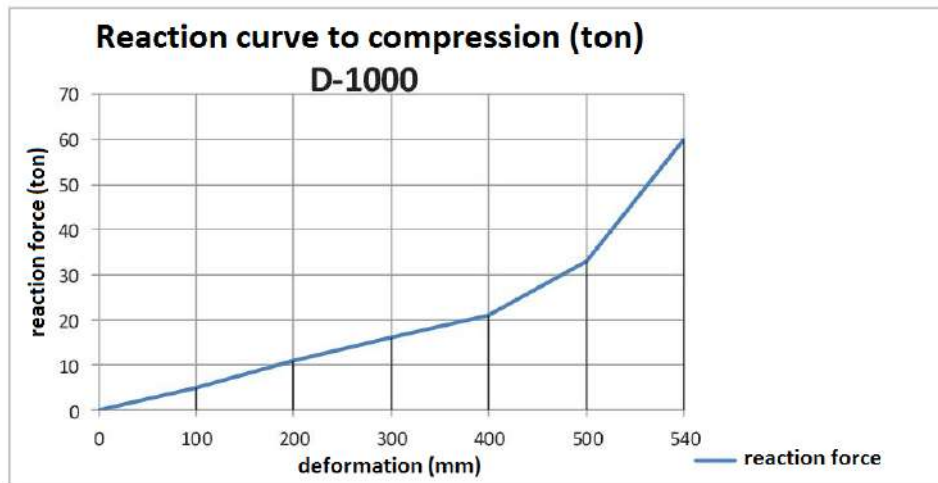
General Characteristics

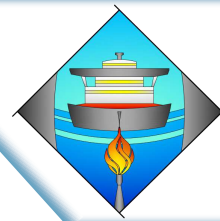
Product Code: 400

A fender series obtained by extrusion displays the following characteristics:

External diameter x internal (mm)	300x150	400x200	1000x500
Length (mm)	3000	2000	1500
Weight (kg)	183	220	1000
Specifies board pressure (ton/m ²)	31	43	22
Deformation energy (ton/m)	2,2	2,4	7,5
Compression resistance (ton)	28	35	33
Deformation limits (mm)	150	200	500

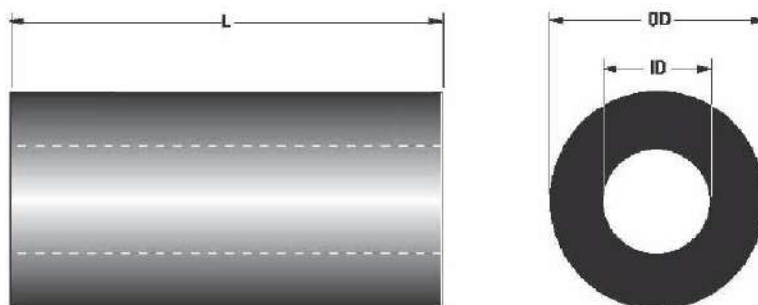
Generally it has a hardness of 55 +5/-0 Shore A.





Standards Dimensions

Product Code: 400



Standards dimensions cylindrical fenders:

External diameter (mm)	Inside diameter (mm)	Length (mm)	Weight (Kg)
300	150	500	37
300	150	1000	75
300	150	1500	108
300	150	2000	144
300	150	3000	216
300	150	4000	288
300	150	6000	440
400	200	500	57
400	200	1000	115
400	200	1250	140
400	200	1500	170
400	200	1750	200
400	200	2000	230
400	200	2200	250
400	200	3000	345
400	200	4000	460
400	200	6000	690
500	295	1700	298
500	295	2000	350
1000	500	1000	690
1000	500	1500	1000
1000	500	2000	1350



V Fenders

Product Code: 401

V fenders structurally simple and robust, meeting the needs of a wide range of moorings even in the most demanding conditions without problems.

A traditional model V-shaped with a rubber coating. Which it can be equipped with faceplate of UHMW-PE or attached to a steel panel.

- **High resistance and durability**
- **Excellent cut**
- **Wide range of sizes**



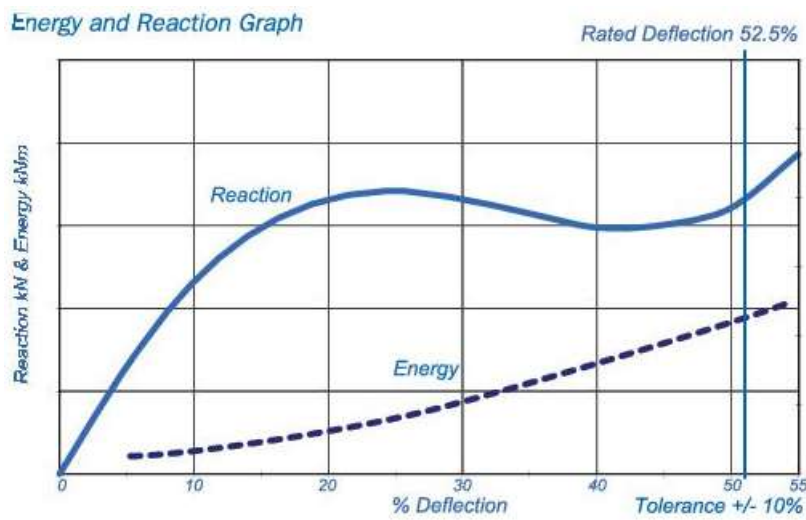
General Characteristics



Product Code: 401

Temperature working range -30°C e $+40^{\circ}\text{C}$.

Generally it has a hardness of 55 $\pm 5/0$ Shore A.

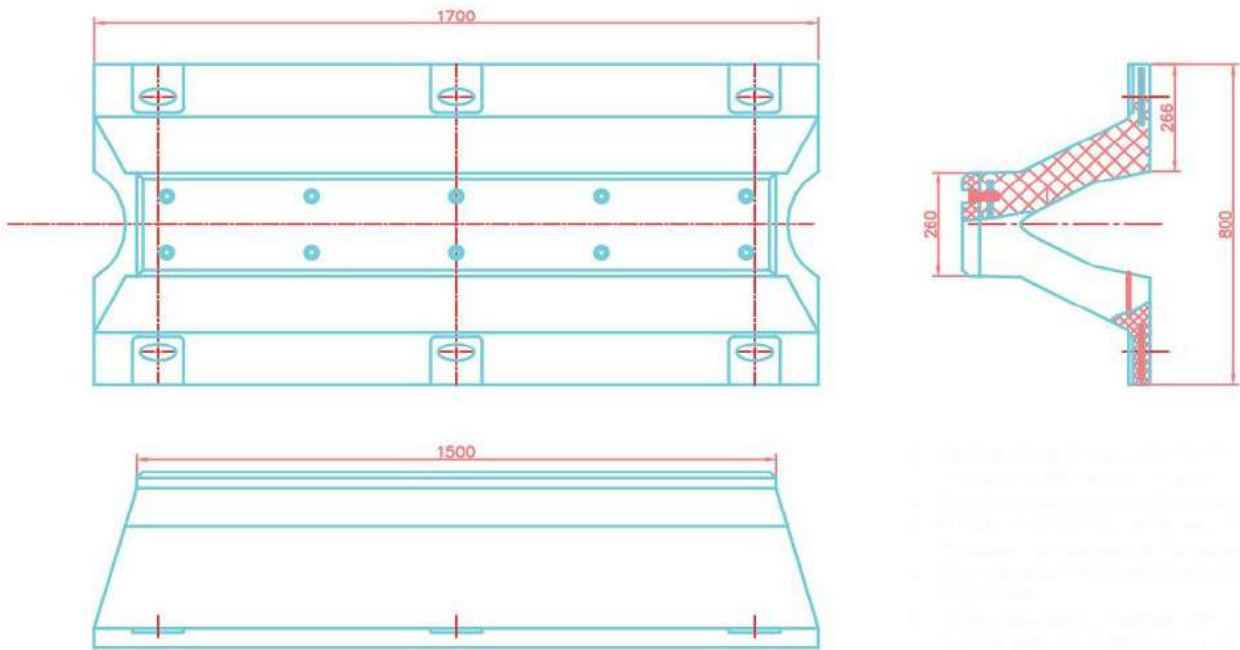




Standards Dimen-

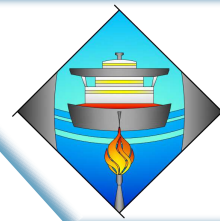
Product Code: 401

Example of V fender



Standards dimensions V fenders:

Width (mm)	Faceplate Length	Length (mm)	Height (mm)	Weight
800	1500	1700	400	N.A.
1200	2000	2300	600	N.A.



Solid and Hollow D Fenders

Product Code: 402

Solid and hollow D fenders are able to withstand heavy shock, therefore, are suitable for a wide range of uses where it is you require protections anti rubbing as moorings for small boats and aft sides of the tugs.



Standards dimensions D fenders:

Lenght (mm)	Height (mm)	Lenght linear	Weight
105	75	m/l	N.A.
110	110	m/l	N.A.
100	130	m/l	N.A.
120	120	m/l	N.A.
140	140	m/l	N.A.
150	150	m/l	N.A.
190	190	m/l	N.A.