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LEISURE

PROTECTING
VALUE WITH
QUALITY

Polyform

Polyform AS was established in 1955 and became the first company in the world to produce inflatable, all-plastic net buoys and fenders.

Being located in Aalesund, the North Western coast of Norway, gives us the possibility to test our products in challenging weather conditions. It has also proven beneficial to be close to one of the world's most innovative maritime environments.

Polyform is the leading manufacturer in the field. From the rough North Atlantic waters to the sunny tropics, surface to subsea, our products are made to withstand the toughest conditions and strains. Through a well-

established net of distributors, the products are sold all over the world under the trademark POLYFORM®.

We offer one of the largest range of buoys and fenders available for a large variety of uses. The products in this catalogue represents only a selection of our total range. Most of our products can be customized, and we can even offer to develop new products in cooperation with our customers.





AREA OF USE

leisure

Polyform can offer the widest range of inflatable buoys, fenders, mooring and dock ending products that can be supplied in a wide variety of different sizes and colours, suitable for all leisure crafts, marinas and fishing.

F-series

Heavy duty fenders

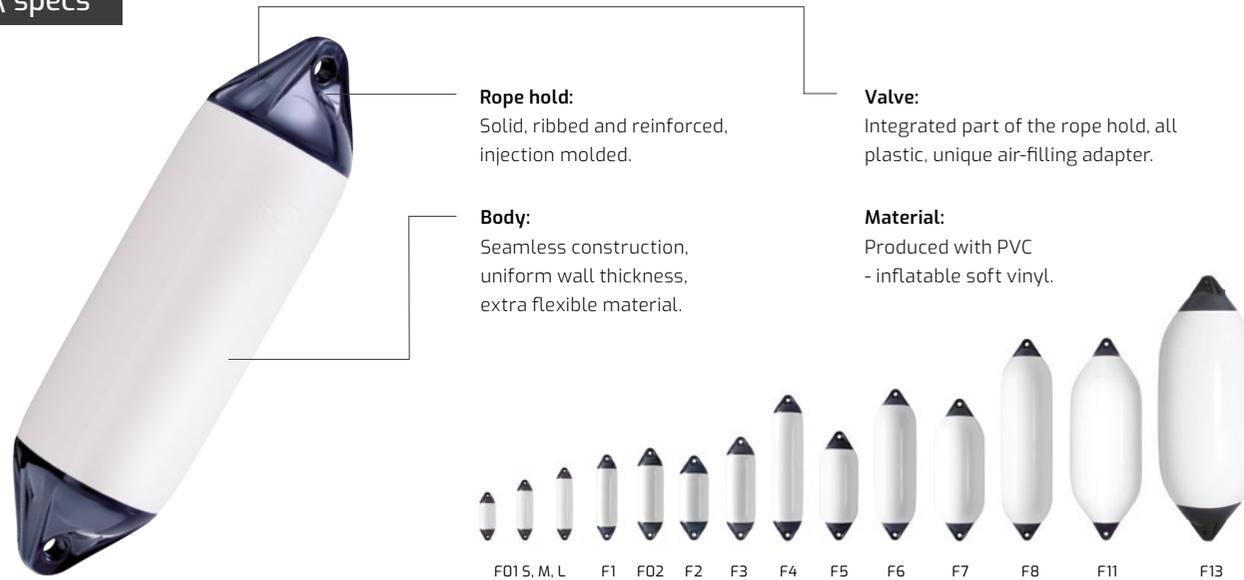
F-series cylindrical fenders have set the standard for heavy duty fenders for close to 60 years. The newest generation are made by use of Polyform's unique, in-house developed and patented POLYMATIQ® technology.

Highest breaking strength is taken care of by the two multiple rib-reinforced rock solid rope holds. Tested for strength and flexibility in temperatures ranging from -30°C to +60°C, the most heavy duty fenders feature high abrasive resistance and high energy absorption (up to 3.8 ton meter for F-13), making them suitable for ships up to 1500 ton d/w (F-13) .

The F-series cylindrical fenders are an absolute must for the recreational crafts and yachts. In addition they are also widely used by coast guard and navy vessels, pilot boats and commercial ships.



F-series \ specs



Article	Volume	Weight	Length	Diameter	Eye diameter
F01S	2.8	0.6	37.0	13.0	1.8
F01M	4.0	0.7	46.5	13.0	1.8
F01L	5.3	0.8	56.0	13.0	1.8
F1	8.0	1.0	61.0	15.0	2.2
F02	15.0	1.7	66.0	20.0	2.5
F2	16.0	1.8	61.0	22.0	2.8
F3	22.0	2.1	74.5	22.0	2.8
F4	35.0	2.9	104.0	22.0	2.8
F5	35.0	3.0	77.5	29.0	2.8
F6	60.0	4.2	109.0	29.0	2.8
F7	85.0	5.3	102.0	37.5	2.8
F8	135.0	7.6	144.0	37.5	2.8
F11	275.0	10.5	145.5	59.0	2.8
F13	700.0	23.0	188.0	75.0	4.0

Volume in liter / Weight in kg / Size in cm

Do not overinflate. Maximum 0.15 - 0.20 bar of pressure at 20° Celsius. Allowance +/-5%.

POLYMATIQ®

POLYFORM® F-series fenders are made by our unique, in-house developed and patented POLYMATIQ® technology that ensures supreme control over the fusion process and warrants for the most consistent quality available anywhere for such molded, soft Vinyl fenders.

Rope hold

People associate Polyform's inflatable buoys and fenders with the easily recognizable blue, rib-reinforced rope holds of the F-series. These are high pressure injection molded, solid right trough with reinforcing ribs.

Inflation valves

The Polyform inflatable soft vinyl buoys and fenders have inflation valves that is an integrated part of the rope hold through friction welding – there is no glue used.

The F-series fenders from size F01 to F11 are fitted with the V-10 valve. The F13 fenders are fitted with the larger V-40 valve. The F11 (and optional F8) is fitted with the Polyform® double valve system for more easily deflation.

Fender- and inflation guide

To choose the correct fender size for your boat, please refer to the Fender guide on page 68.

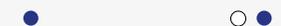
Inflation instructions is stated on page 69.

Colours

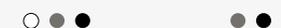
Rope hold

Body

Standard:



On request:



A-series

All purpose buoys and fenders

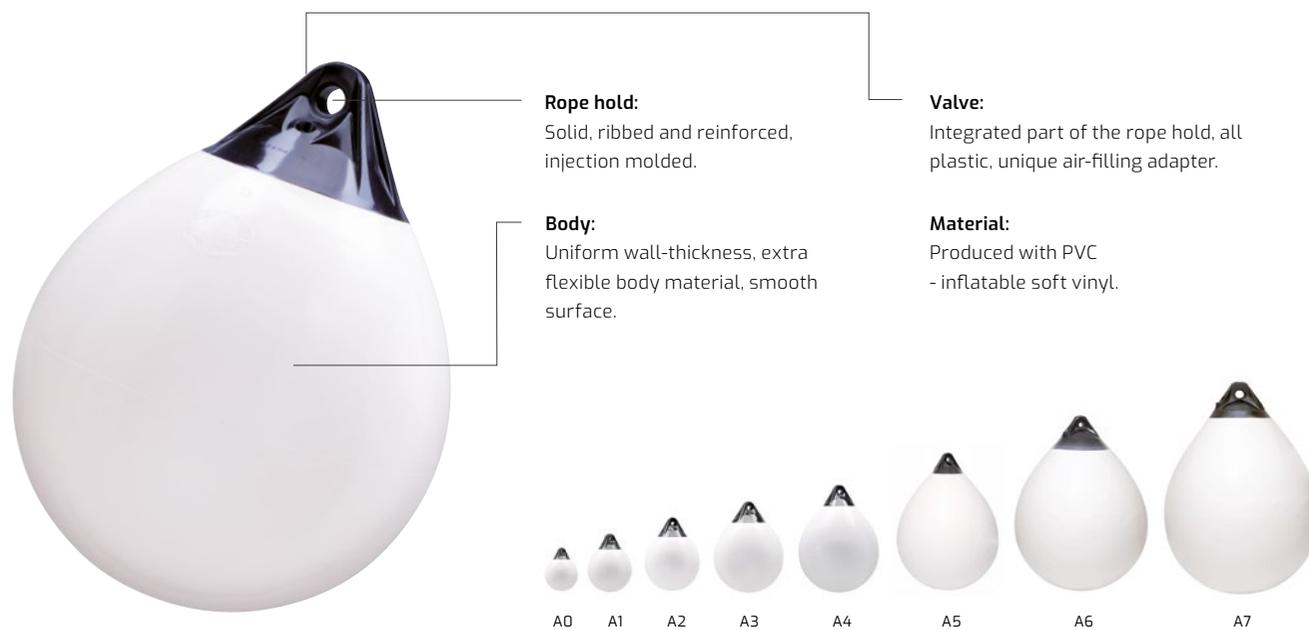
In late 1955, the world's very first inflatable, all-plastic buoy was produced in Aalesund, Norway. This was the first buoy in a series of buoys that was to become the POLYFORM® A-series.

The buoys soon were to be found in most corners of the world, and they established the standard for buoy design and quality.

Since 1955, thanks to our innovative staff of engineers and technicians, design and production technology has been further developed and improved. But still, the tough rib-reinforced rope hold and the seamless construction of Polyform buoys and fenders are part of the reasons why professional users all over the world prefer the POLYFORM® A-series buoys – and why these buoys have become synonymous with «the best buoy money can buy».

POLYFORM® A-series are produced in eight different sizes. Each model is designed and molded in order to offer a maximum of strength. These spherical fenders are typically used for protecting the stern of the boats.





Rope hold:

Solid, ribbed and reinforced, injection molded.

Body:

Uniform wall-thickness, extra flexible body material, smooth surface.

Valve:

Integrated part of the rope hold, all plastic, unique air-filling adapter.

Material:

Produced with PVC - inflatable soft vinyl.

A0 A1 A2 A3 A4 A5 A6 A7

Article	Volume and Buoyancy*	Weight	Length	Diameter	Eye diameter
A0	5.7/3.4	0.6	28.0	21.0	1.8
A1	13.0/7.8	1.2	38.0	29.5	2.2
A2	32.0/19.2	2.1	50.0	39.0	2.5
A3	52.0/31.2	3.1	57.5	46.0	2.8
A4	90.0/54.0	4.1	71.0	55.0	2.8
A5	215.0/129.0	8.3	94.0	71.0	2.8
A6	405.0/243.0	11.3	112.0	85.0	3.5
A7	670.0/402.0	21.0	142.0	110.0	6.0

Weight in kg / Size in cm

* Gross Buoyancy / Recommended maximum load. Do not overinflate. Maximum 0.15 - 0.20 bar of pressure at 20° Celsius. Allowance +/-5%.

Rope hold

People associate Polyform's inflatable buoys and fenders with the easily recognizable blue, rib reinforced rope holds of the A-series. These are high pressure injection molded, solid right trough with reinforcing ribs.

Inflation valves

The Polyform inflatable soft vinyl buoys and fenders have inflation valves that is an integrated part of the rope hold through friction welding – there is no glue used. The valve is all plastic with no metal components, and thus no corrosion-problems will occur. It is fitted with a half a turn screw and integrated non-return flap, along with Polyforms unique air-filling adapter.

The A-series buoys from size A0 to A5 are fitted with the V-10 valve. The A6 and A7 buoys are fitted with the larger V-40 valve. The A7 has the Polyform® double valve system for more easily deflation.

Fender- and inflation guide

To choose the correct fender size for your boat, please refer to the Fender guide on page 68. Inflation instructions is stated on page 69.

Colours	Rope hold	Body
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- Standard: ● ● ● ●
- On request: ○ ● ● ● ● ●

G-series

Blow molded utility fenders

The POLYFORM® G-fenders are blow molded from marine-grade vinyl material.

Intended to be used for typically light-weight utility fenders – but still designed with reinforcing ribs along the length of the fender body – to assure added strength and abrasion resistance. The G-fenders are suitable for smaller and medium size pleasure crafts.

Inflation valves:

The G-series fenders are fitted with the V-10 valve.

Material:

Produced with PVC - inflatable soft vinyl.



Article	Weight	Length	Diameter	Eye diameter
G2	0.5	40.7	11.7	1.3
G3	0.8	51.5	14.5	1.6
G4	1.1	58.5	17.0	2.0
G5	1.5	70.5	21.5	2.2

Weight in kg / Size in cm

Do not overinflate. Maximum 0.15 - 0.20 bar of pressure at 20° Celsius. Allowance +/-5%.

Fender- and inflation guide

To choose correct fender size for your boat, please refer to the Fender guide on page 68. Inflation instructions is stated on page 69.

Standard colours:



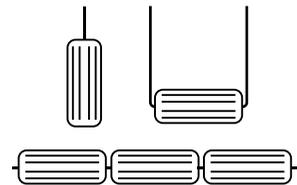
RFC-series

Center tube fender

The POLYFORM® RFC-fenders are heavy duty, ribbed fenders with center tube. They can be used horizontally or vertically for maximum protection.

Strong one piece construction moulded from tough, flexible vinyl. Available in two sizes. Designed with reinforcing ribs along the length of the fender body – to assure added strength and abrasion resistance. The RFC-fenders are suitable for smaller and medium size pleasure crafts.

By use of a single fender line, one or several RFC-fenders can be used both vertical and horizontal.



Inflation valves:

The RFC-series fenders are fitted with the V-10 valve.

Material:

Produced with PVC - inflatable soft vinyl.



Article	Weight	Length	Diameter	Tube diameter
RFC2	1.7	50.0	21.0	1.6
RFC3	2.7	66.0	25.0	1.6

Weight in kg / Size in cm

Do not overinflate. Maximum 0.15 - 0.20 bar of pressure at 20° Celsius. Allowance +/-5%.

Fender- and inflation guide

To choose correct fender size for your boat, please refer to the Fender guide on page 68. Inflation instructions is stated on page 69.

Standard colours:



CCE/CCD-series

Inflatable mooring buoys

The POLYFORM® inflatable mooring buoys are produced with either a short mooring rod (CCE-type mooring buoy) or a long mooring rod (CCD-type mooring buoy).

The mooring buoys are fully assembled by the factory and only need correct inflation before use. The rods include a swivel at the lower end and all parts are hot dipped galvanized.

Inflation valves:

The CCE/CCD-series fenders are fitted with the V-10 valve.

Material:

Produced with PVC - inflatable soft vinyl.



Article	Buoyancy*	L1	L2	Diameter	Rod diameter
CCE2	28.0/16.5	64.0	15.0	38.5	1.6
CCE3	53.0/31.5	74.0	15.0	45	1.9
CCE4	98.0/58.0	85.5	17.0	54	1.9
CCD2	27.0/16.0	106.5	57.5	38.5	1.6
CCD3	52.0/31.0	119.0	60.0	45	1.9
CCD4	97.0/57.0	148.5	80.0	54	1.9

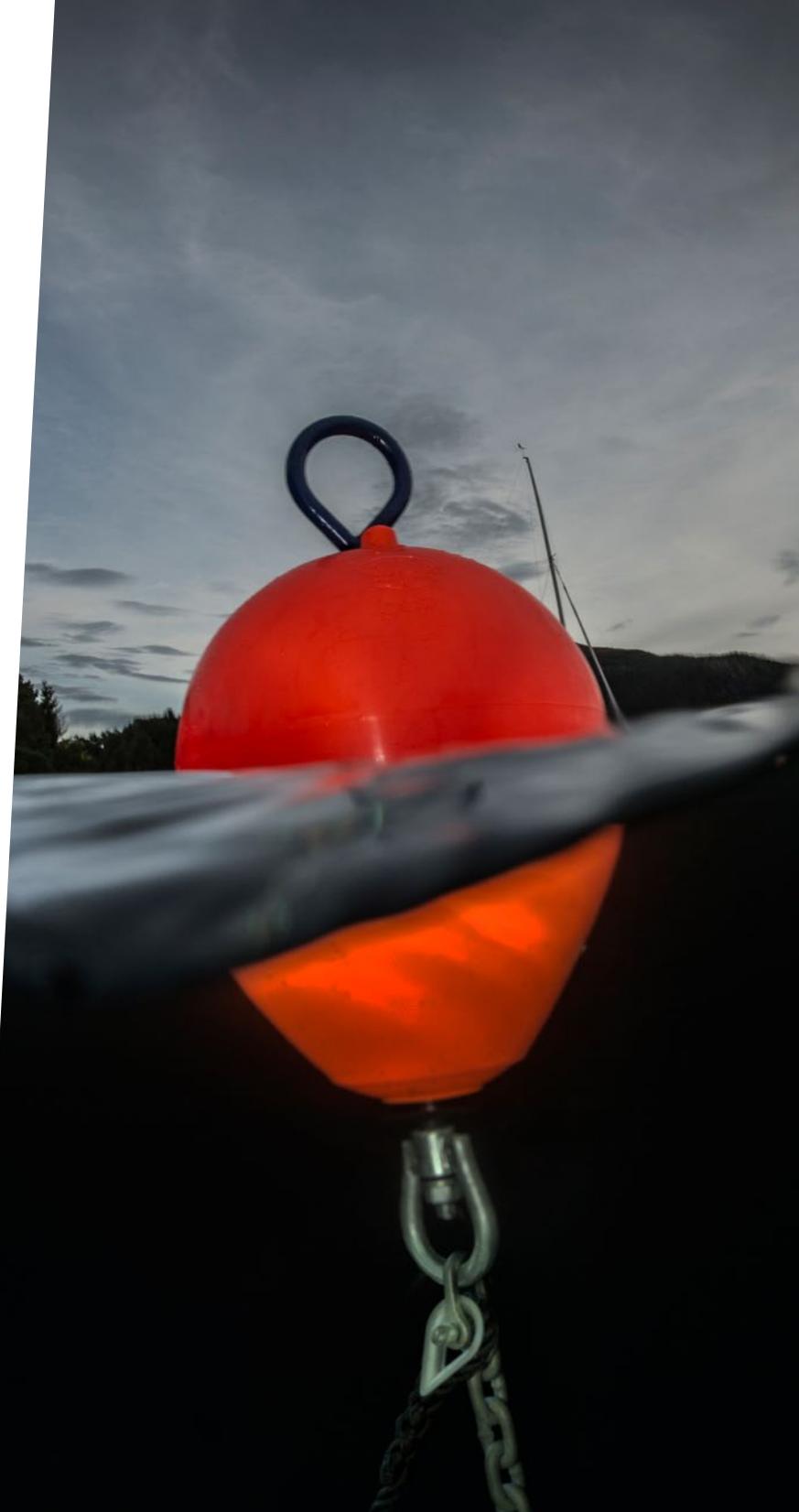
Size in cm

* Gross Buoyancy / Recommended maximum load. Do not overinflate. Maximum 0.15 - 0.20 bar of pressure at 20° Celsius. Allowance +/-5%.

Mooring- and inflation guide

For recommended mooring set-up, please refer to Mooring guide on page 68. Inflation instructions is stated on page 69.

Standard colours:



MR/MG-series

Non-inflatable mooring buoys

MR30, MR40 (with short iron rods) and MG40 (with long iron rods) are manufactured from BACELL™, Polyform's special foam material with 100% closed cells.

The material is an in-house composition, consisting of environmentally friendly EVA. The closed-cell structure prevents any water from entering into the material and makes these buoys totally puncture proof. MR- and MG-series mooring buoys are fitted with a hot dipped galvanized mooring rod and swivel.



Article	Buoyancy*	L1	L2	Diameter	Rod diameter
MR30	9.8/5.9	38.5	14.0	25.0	1.2
MR40	14.0/8.0	60.0	14.0	28.5	1.2
MG40	13.5/7.5	89.0	43.5	28.5	1.2

Size in cm

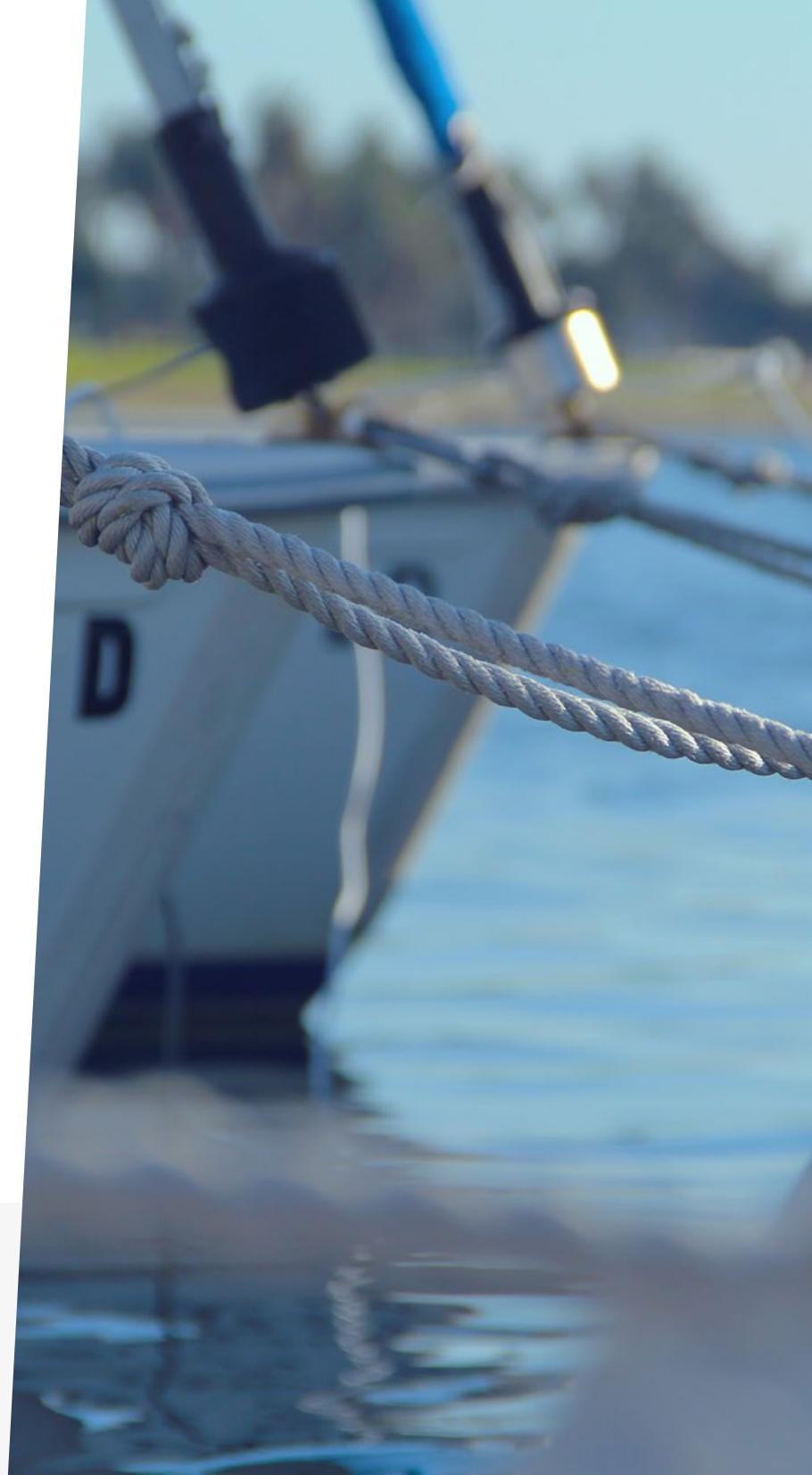
* Gross Buoyancy / Recommended maximum load. Do not overinflate. Allowance +/-5%.

Mooring guide

For recommended mooring set-up, please refer to Mooring guide on page 68.

Standard colours:

MR30 ●
MR40 / MG40 ● ●



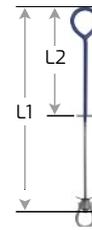
MB-series

Non-inflatable mooring buoys

The MB-series buoys are mainly used for mooring, marking of fishing gear and cables, pipelines, and different other surface installations.

The MB-series buoys are rotomolded from polyethylene (PE) and filled with polystyrene foam (EPS), guaranteeing a compressive strength of 5 mH₂O and a density of 25 kg m³. The buoys come complete with hot dip galvanized armature and swivel.

Material:
The MB-series is produced with PE - non-inflatable hardshell.



Article	Volume	Buoyancy*	Length	L1	L2	Diameter	Rod diameter
MB40	45	38	43.0	4.8	-	38.0	16
MB100	106	94	59.0	4.8	-	50.0	19
MB250	255	230	92.0	4.8	-	65.0	19
MB40 L	45	37	43.0	-	64.0	38.0	16
MB100 L	106	91	59.0	-	74.0	50.0	19
MB250 L	255	227	92.0	-	85.5	65.0	19

Size in cm / Volume in liter / Weight in kg

* Gross Buoyancy / Recommended maximum load. Do not overinflate. Maximum 0.15 - 0.20 bar of pressure at 20° Celsius. Allowance +/-5%.

Mooring guide

For recommended mooring set-up, please refer to Mooring guide on page 68.

Standard colours:



APB-series

Yatch mooring

The APB-series represents a modular series of buoys, designed for surface and sub-surface use.

The buoys are rotomolded from polyethylene (PE) and filled with polystyrene foam (EPS), polyurethane foam (PUR) or other materials depending on the application. The buoys are equipped with hot dip galvanized steel armatures, four full-length hot dip galvanized steel bolts and continuous chain through the center.

The APB-series has light armature option.



Material:

The APB-series is produced with PE - non-inflatable hardshell.

Article	Buoyancy*	Weight	Length	Width
Aqua 500 APB	495	85	72	117x117
Aqua 1000 APB	1015	145	139	117x117

Weight in kg / Size in cm

* Net buoyancy. Other sizes on request. Allowance +/-5%.

Steel armatures

The steel armatures and chain varies depending on use.

Standard colours:



Aqua-series

Yatch mooring

The Aqua-series buoys are rotomolded from polyethylene (PE).

The products are produced with an extra heavy wall-thickness of 8 mm and filled with polystyrene foam (EPS), or polyurethane foam (PUR) depending on the application. The Aqua-series can easily be custom made, specially designed to meet the needs of the customer.



Material:

The Aqua-series is produced with PE - non-inflatable hardshell.

Article	Volume	Buoyancy*	Weight	Length	Diameter
Aqua 250	260	228	32	113	65
Aqua 400	450	400	45	110	77x77

Volume in liter / Weight in kg / Size in cm

* Net buoyancy. Other sizes on request. Allowance +/-5%.

Steel armatures

The steel armatures and chain varies depending on use.

Standard colours:



MF-series

Dock-ending products

The unique qualities of our inhouse developed EVA material makes it ideal for producing shock absorbing dock ending fenders and bumpers.

This foam material that has been used in the professional market for over 30 years, as durable floaters and moorings designed to withstand the harshest marine conditions.

Bacell™ EVA is made of 100% closed cell foam that cannot puncture and is highly shock absorbing. The products are extremely resistant to permanent deformation, UV-light and all weather conditions. Will not deteriorate in the sun, and will not mark your boat.



The MF44 and MF60 can be cut, curved, twisted, formed and shaped without losing its unique qualities.



The **MF44** dock ending fender is our smallest dock fender list for boat protection. Mounts easily to most docks by use of mounting brackets (included) and four appropriate screws.

MF60 is a heavy-duty type of dock-ending fender, designed for maximum protection of the bow/stern when mooring and during boarding. Mounts easily to most docks by use of mounting brackets (included) and four appropriate screws.

MBF150 bumper is the most heavy-duty type of dock-ending bumper, designed for maximum protection of the bow/stern. Mounts easily to most docks by use of mounting brackets (included) and four appropriate screws.



Article	Length	Height	Depth
MF44	94.0	8.5	4.4
MF60	100.0	14.0	6.0
MBF150	65.0	19.5	20.0

Size in cm

Bacell

Bacell™ is an in-house developed EVA material that is used in a wide variety of products. Bacell™ is for example used in the Marina Fender Series, the BPB fishing floats and in several custom made products. The 100% closed cell foam materials cannot puncture and will never absorb any water. It is highly shock absorbing, has excellent durability and retains its shape even after high strain and extensive use. In addition it has high buoyancy and it is resistant to UV-light and all weather conditions.

Multiprotector

These «Multiprotectors» can be used as protection on the wall in your garage and it will protect the car door when opening. They can be mounted on pillars and walls in different kind of garages and parking areas to avoid damages on vehicles, be used as interior wall protection in vans, and as various shock absorbing paddings in playgrounds. The material's unique properties makes it ideal for all protective and shock absorbing applications.

Standard colours:

- MF44 ●
- MF60 ●
- MBF150 ●

MP-pontoons

Pontoon for floating marina systems

The pontoon floats are rotomolded from polyethylene (PE) and mainly produced with polystyrene as secondary buoyancy.

The MP-series is suitable both for marina producers and for users that build their own dock or jetty.

In case of damage to the products the solution with polystyrene foam will maintain the buoyancy of the pontoon float until due service is done.

One of the advantages for the marina producers to use standard products is low development cost in the establishment phase.



Material:

The MP-pontoons is produced with PE - non-inflatable hardshell.

Article	Volume	Buoyancy*	Weight	Height	Length	Width
MP80	80	70	10	59	70	22
MP200	200	182	18	54	140	25
MP420	420	390	30	55	175	50
MP1100**	1100	1050	50	79	143	98

Size in cm / Volume in liter / Weight in kg

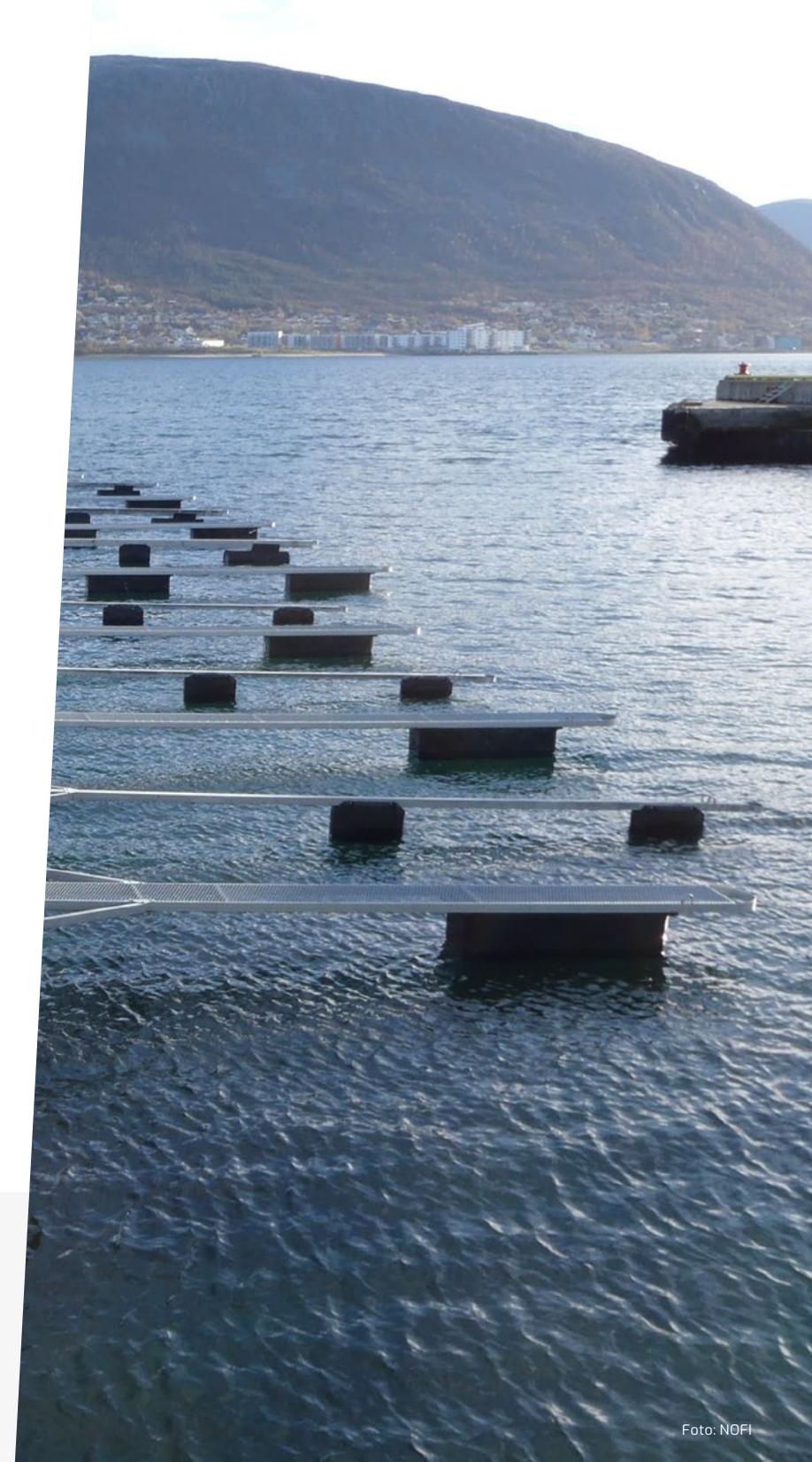
* Net buoyancy ** Not foam filled. Allowance +/-5%.

Custom molding

We can also offer custom molding of special designed pontoon floats for defined applications.

Standard colour:

- custom colours available



Preferred
trademark for
professionals



PROTECTING
VALUE WITH
QUALITY

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