

# Polyform® SMB100 modular buoyancy



Proudly made by  
The Originator of  
Modern Plastic Buoys

## POLYFORM® OF NORWAY

The SMB100 modular buoyancy is made from a rotomolded PE outer shell and filled with polyurethane (PUR) foam, with compressive strength for a variety of depth ratings. The continuous high quality chain is terminated at either end of the buoy by use of hot dip galvanized steel terminating discs that are designed to prevent damage to the buoy. The chain is easily attached by shackle to the anchor line. All wear parts are standard components and can easily be replaced. These modular buoys are designed for submerged and surface use and they can be equipped with four yellow, daylight reflective tapes for better visibility.

## Polyform AS

Polyform AS is a world leading manufacturer of buoys fenders and floats, and the originator of the modern inflatable plastic buoy. The company is registered in Norway and situated in Ålesund at the north-western coast of Norway, and benefits from being located in one of the world's most innovative maritime environments.

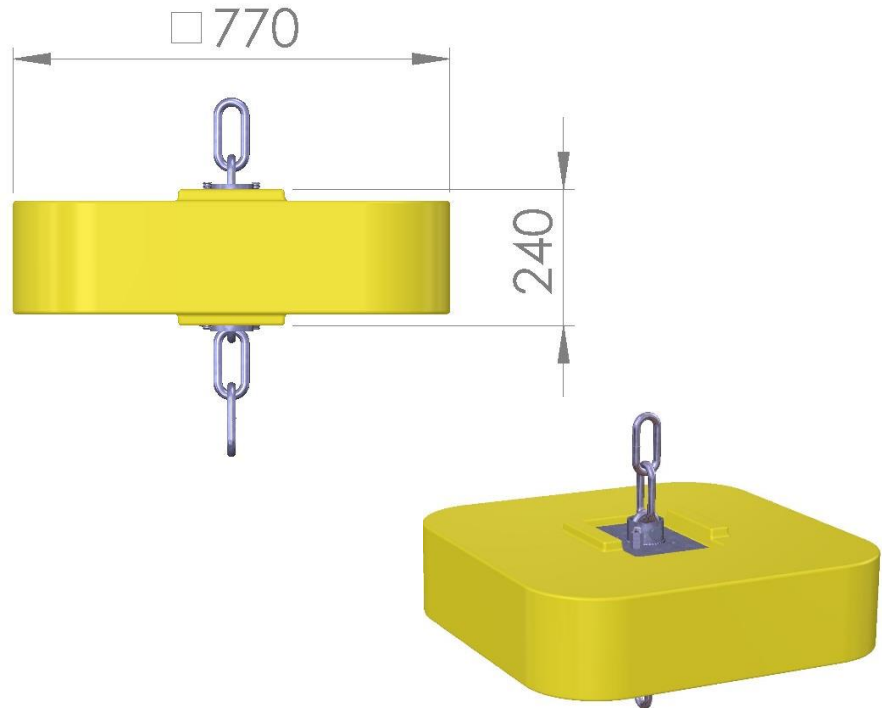
The product range of Polyform AS consists of:

- Inflatable buoys and fenders made from soft Vinyl plastics.

- Purse Seine Floats, buoys and marina fenders made from BACELL closed cell foam.

- Hard-shell buoys and pontoon floats made from PE and filled with foam

## Product information



## SMB100 - 1 module

Gross measures	77x77x64 Cm (LxWxH)			
Article no	2601001045	2601003045	2601007045	2601050045
Max depth rating	-10 m	-30 m	-70 m	-500 m
Gross volume	110 L	110 L	110 L	110 L
Weight	18 Kg	24 Kg	28 Kg	63 Kg
Net buoyancy @ depth rating	92 Kg	87 Kg	82 Kg	46 Kg
PU core density	50 Kg/m <sup>3</sup>	95 Kg/m <sup>3</sup>	150 Kg/m <sup>3</sup>	400 Kg/m <sup>3</sup>

## Technical Information

Breaking load Chain	260 KN
Breaking load Shackle	280 KN
Buoy body material description	
Material	LLPE
Hardness, shore D	57
Tensile strength	17,5 MPa
Ultimate Elongation	650%
Recommended min temp.	-25°C
Recommended max temp.	40°C
Temp. not to be exceeded	50°C
Specific gravity	0,94

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For all measurements, weights and other technical data specified in this data sheet, please allow for a deviation of not less than +/-5%. The illustration may deviate from the actual product.

# Polyform® PE100 modular buoyancy



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## POLYFORM® OF NORWAY

The PE100 modular buoyancy is made from a rotomolded PE outer shell and filled with polyurethane (PUR) foam, with compressive strength for a variety of depth ratings. The continuous high quality chain is terminated at either end of the buoy by use of hot dip galvanized steel terminating discs that are designed to prevent damage to the buoy. The chain is easily attached by shackle to the anchor line. All wear parts are standard components and can easily be replaced. These modular buoys are designed for submerged and surface use and they can be equipped with four yellow, daylight reflective tapes for better visibility.

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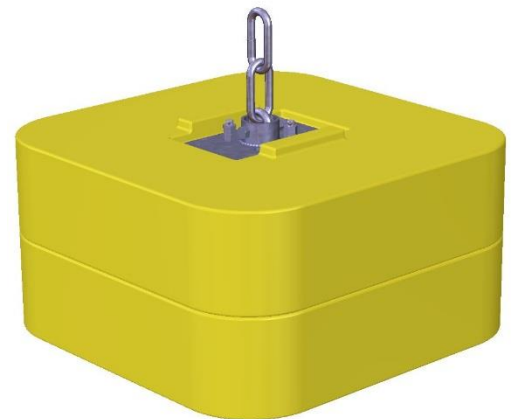
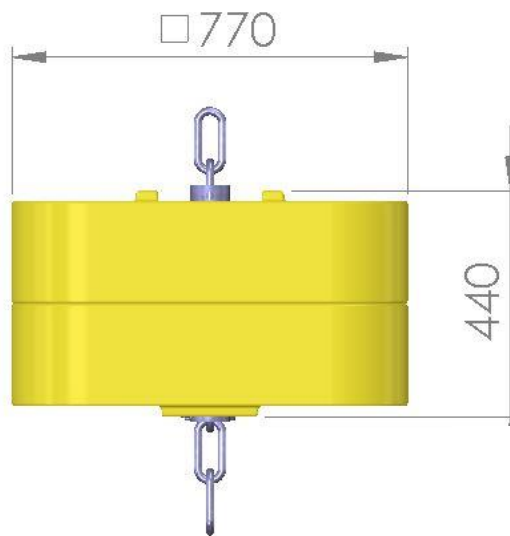
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- Purse Seine Floats, buoys and marina fenders made from BACELL closed cell foam.

- Hard-shell buoys and pontoon floats made from PE and filled with foam

## Product information



## PE100 - 2 modules

Gross measures	77x77x64 Cm (LxWxH)			
Article no	2602001045	2602003045	2602007045	2602050045
Max depth rating	-10 m	-30 m	-70 m	-500 m
Gross volume	220 L	220 L	220 L	220 L
Weight	33 Kg	45 Kg	53 Kg	124 Kg
Net buoyancy @ depth rating	187 Kg	175 Kg	165 Kg	95 Kg
PU core density	50 Kg/m <sup>3</sup>	95 Kg/m <sup>3</sup>	150 Kg/m <sup>3</sup>	400 Kg/m <sup>3</sup>

## Technical Information

Breaking load Chain	260 KN
Breaking load Shackle	280 KN
Buoy body material description	
Material	LLPE
Hardness, shore D	57
Tensile strength	17,5 MPa
Ultimate Elongation	650%
Recommended min temp.	-25°C
Recommended max temp.	40°C
Temp. not to be exceeded	50°C
Specific gravity	0,94

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# Polyform® SMB100 modular buoyancy

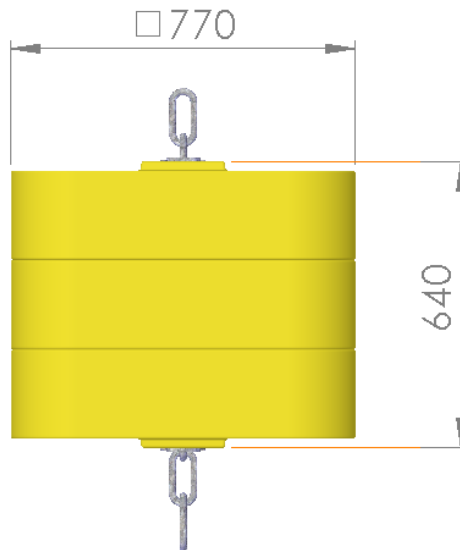


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## Product information



Text

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## SMB100 - 3 modules

Gross measures	77x77x64 Cm (LxWxH)			
Article no	2603001045	2603003045	2603007045	2603050045
Max depth rating	-10 m	-30 m	-70 m	-500 m
Gross volume	330 L	330 L	330 L	330 L
Weight	48 Kg	66 Kg	78 Kg	184 Kg
Net buoyancy @ depth rating	280 Kg	265 Kg	250 Kg	145 Kg
PU core density	50 Kg/m <sup>3</sup>	95 Kg/m <sup>3</sup>	150 Kg/m <sup>3</sup>	400 Kg/m <sup>3</sup>

## Technical Information

Breaking load Chain	260 KN
Breaking load Shackle	280 KN
Buoy body material description	
Material	LLPE
Hardness, shore D	57
Tensile strength	17,5 MPa
Ultimate Elongation	650%
Recommended min temp.	-25°C
Recommended max temp.	40°C
Temp. not to be exceeded	50°C
Specific gravity	0,94

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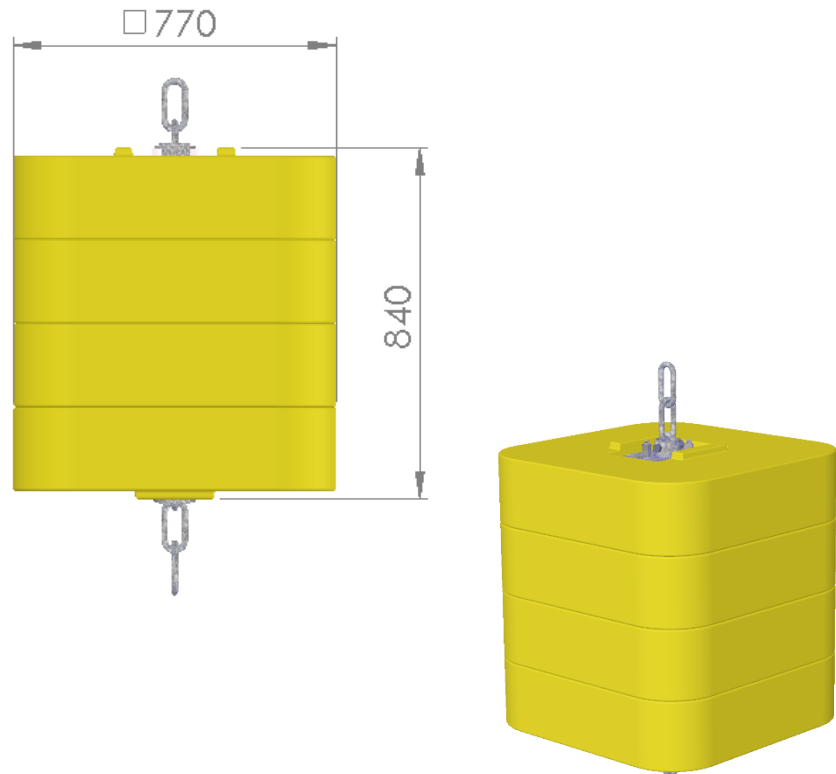
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## Product information



## SMB100 - 4 modules

Gross measures	77x77x84 Cm (LxWxH)			
Article no	2604001045	2604003045	2604007045	2604050045
Max depth rating	-10 m	-30 m	-70 m	-500 m
Gross volume	440 L	440 L	440 L	440 L
Weight	68 Kg	88 Kg	108 Kg	208 Kg
Net buoyancy @ depth rating	370 Kg	350 Kg	330 Kg	230 Kg
PU core density	50 Kg/m <sup>3</sup>	95 Kg/m <sup>3</sup>	150 Kg/m <sup>3</sup>	400 Kg/m <sup>3</sup>

## Technical Information

Breaking load Chain	260 KN
Breaking load Shackle	280 KN
Buoy body material description	
Material	LLPE
Hardness, shore D	57
Tensile strength	17,5 MPa
Ultimate Elongation	650%
Recommended min temp.	-25°C
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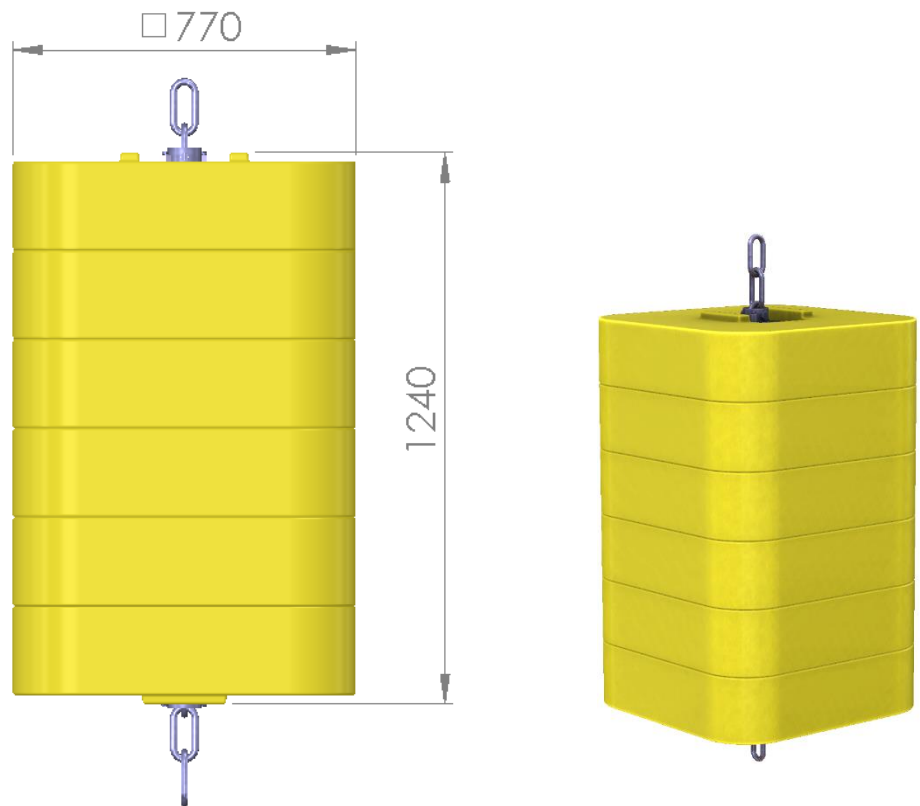
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## Product information



## SMB100 - 6 modules

Gross measures	77x77x64 Cm (LxWxH)			
Article no	2606001045	2606003045	2606007045	2606050045
Max depth rating	-10 m	-30 m	-70 m	-500 m
Gross volume	660 L	660 L	660 L	660 L
Weight	93 Kg	130 Kg	155 Kg	365 Kg
Net buoyancy @ depth rating	567 Kg	530 Kg	505 Kg	295 Kg
PU core density	50 Kg/m <sup>3</sup>	95 Kg/m <sup>3</sup>	150 Kg/m <sup>3</sup>	400 Kg/m <sup>3</sup>

## Technical Information

Breaking load Chain	260 KN
Breaking load Shackle	280 KN
Buoy body material description	
Material	LLPE
Hardness, shore D	57
Tensile strength	17,5 MPa
Ultimate Elongation	650%
Recommended min temp.	-25°C
Recommended max temp.	40°C
Temp. not to be exceeded	50°C
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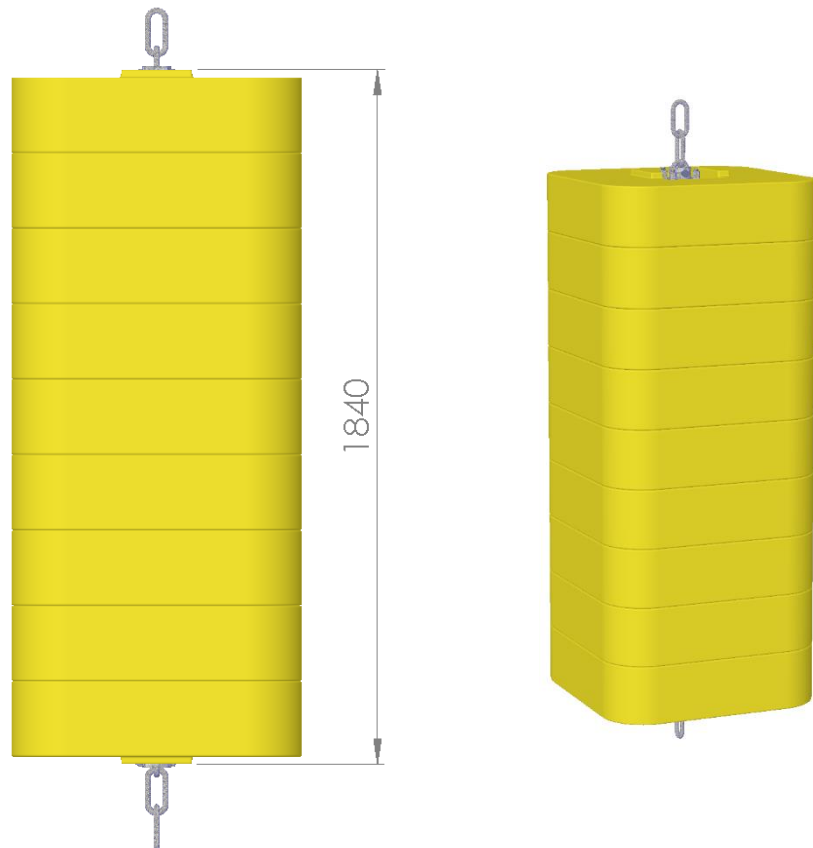
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## Product information



## SMB100 - 9 modules

Gross measures	77x77x184 Cm (LxWxH)			
Article no	2609001045	2609003045	2609007045	2609050045
Max depth rating	-10 m	-30 m	-70 m	-500 m
Gross volume	990 L	990 L	990 L	990 L
Weight	145 Kg	200 Kg	240 Kg	550 Kg
Net buoyancy @ depth rating	845 Kg	790 Kg	750 Kg	440 Kg
PU core density	50 Kg/m <sup>3</sup>	95 Kg/m <sup>3</sup>	150 Kg/m <sup>3</sup>	400 Kg/m <sup>3</sup>

## Technical Information

Breaking load Chain	260 KN
Buoy body material description	
Material	LLPE
Hardness, shore D	57
Tensile strength	17,5 MPa
Ultimate Elongation	650%
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