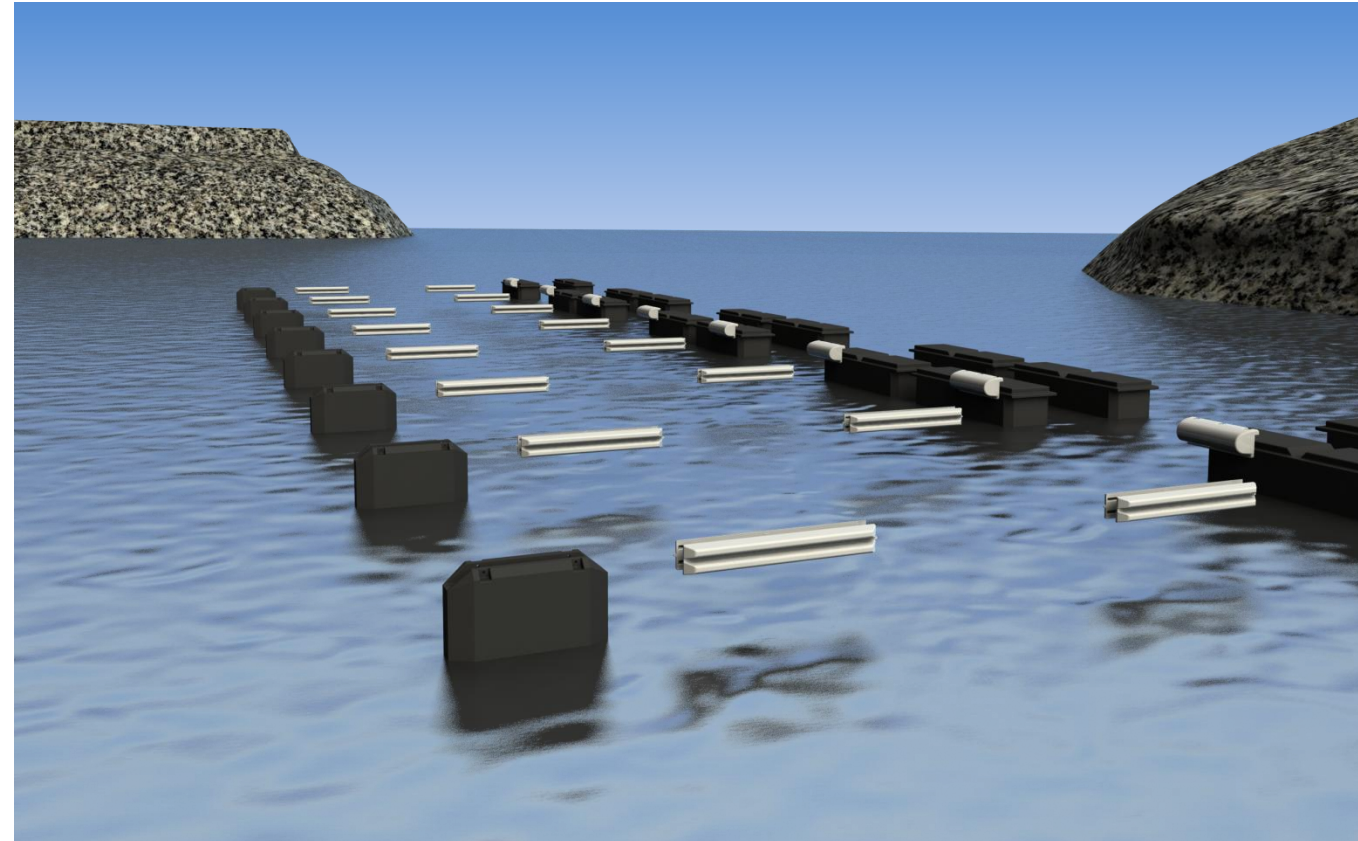




# MARINA PRODUCTS

## FLOATS AND FENDERS



**Polyfom** buoys and fenders are produced by **Provinor AS**, a leading manufacturer in its field. The company is situated in Ålesund on the west coast of Norway, and benefits from being located in one of the world's most innovative maritime environment

The product range consists of:

- Inflatable buoys and fenders made from soft Vinyl plastics
- Purse Seine Floats, buoys and marina fenders made from Bacell™ closed cell foam
- Extra large hard-shell buoys and pontoon floats made from PE and filled with foam

A number of different production methods are being used and combined with the utilization of different materials, several of which are in-house developed and patented.

- Rotational molding
- Blow molding
- Injection molding
- Extrusion
- Expansion of closed cell foam

In addition to the extensive range of standard products, Provinor AS can also offer custom-made solutions and private-label products.



**Provinor AS**, Tverrvegen 37, N-6020 Ålesund, Norway  
Tel.: (+47) 70 17 25 50 - Fax: (+47) 70 14 76 36 - e-mail: mail@provinor.no  
www.provinor.no

*From a world leading manufacturer of buoys, fenders and floats*



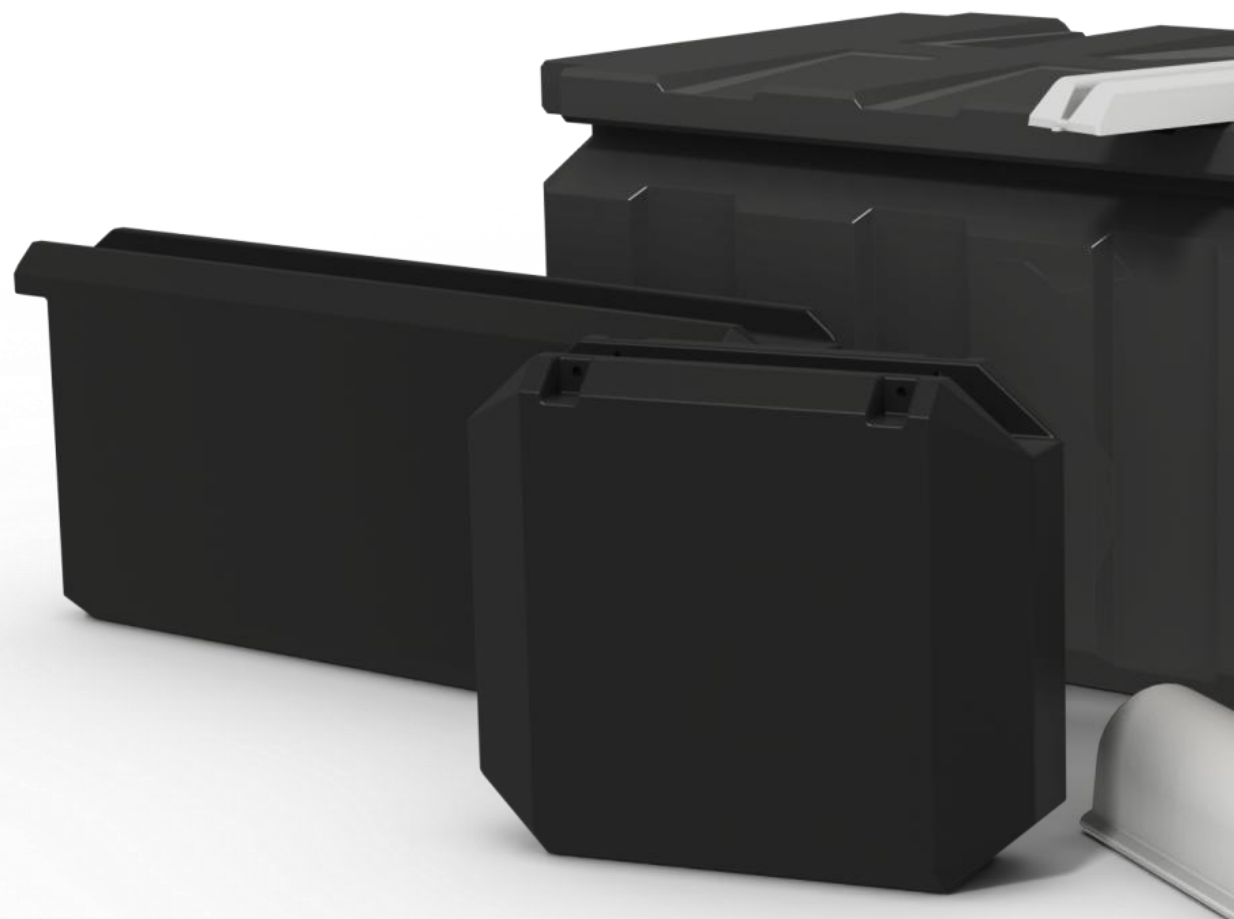
# MARINA PRODUCTS

**Provinor AS** has developed its own series of standard pontoon floats. We have extensive experience in production of rotational molded PE pontoon floats both for the aquaculture and as subcontractors for the marina industry.

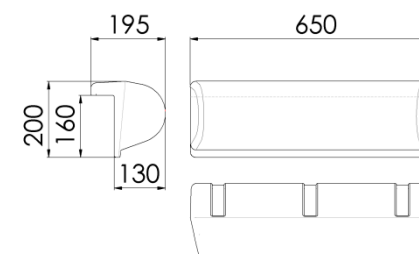
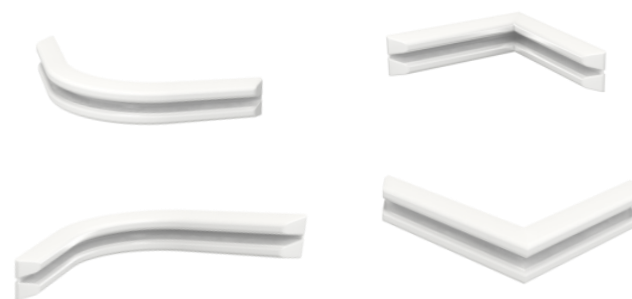
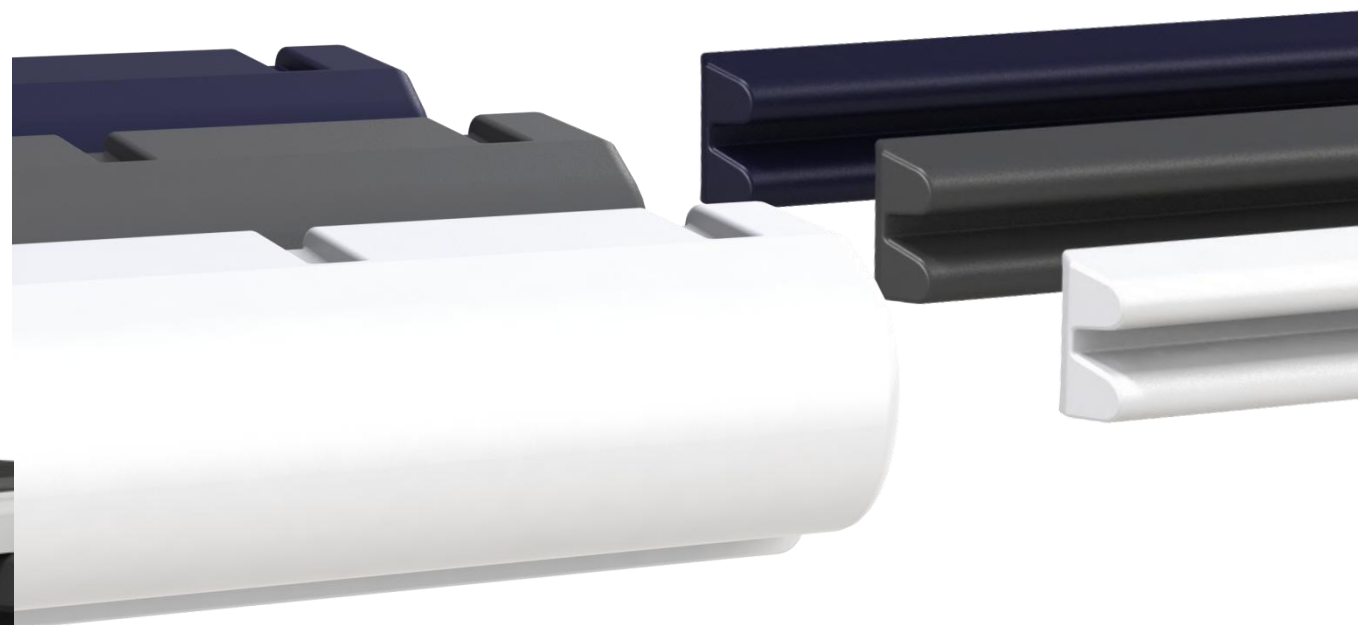
The pontoon floats are mainly produced with polystyrene as secondary buoyancy. In case of damage to the products the solution with polystyrene foam will maintain the buoyancy of the pontoon float until due service is done.

The pontoon floats are suitable both for marina producers and DIY (do it yourself). One of the advantages for the marina producers to use standard products is low development cost in the establishment phase. We can also offer custom molding of special designed pontoon floats for defined applications.

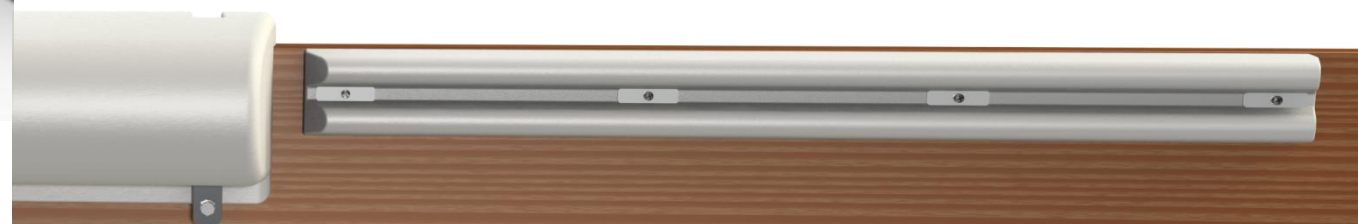
**Provinor AS** do also produce a standard Marina Fender solution for marina installations. The Marina Fender series is produced to our in house developed Bacell™ raw material recipe. Bacell™ is a very strong, low weight, shock absorbing foam material that cannot puncture and will never take up any water.



**Marina fendere** er produsert produsert i vårt egenutviklede Bacell™ materiale, en skumkvalitet med miljøvennlig EVA som hovedmateriale. Bacell™ er motstandsdyktig mot permanent deformasjon og har gode fendingsegenskaper. Materialet har lav egenvekt, kan ikke punktere og krymper ikke. Bacell™ absorberer ikke vann og er bestandig mot UV-stråler.

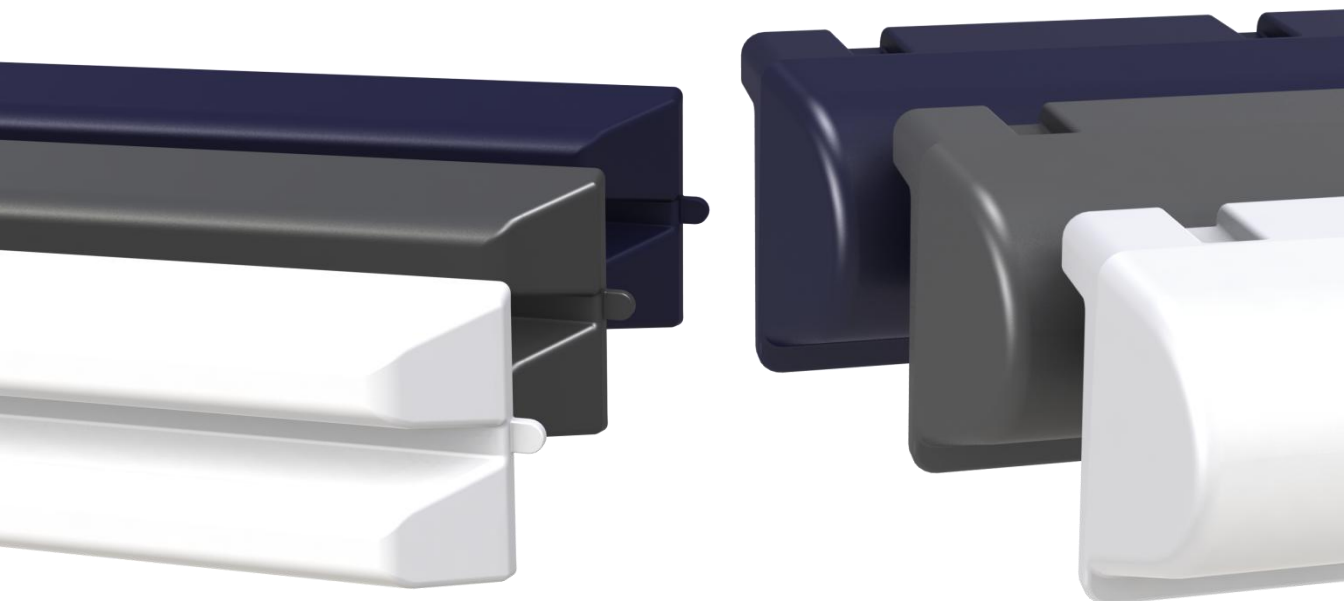


The polyform Marina fenders can easily be cut or formed to cover corners and bends



# MF series - Fenderlists

**Marina Fenders** are produced from Bacell™, a shock absorbing and 100% closed cell foam material that cannot puncture and will never take up any water. The Bacell™ material does not shrink and is very resistant to permanent deformation, in addition to being resistant to UV light and all weather conditions. Made from environmentally friendly EVA.

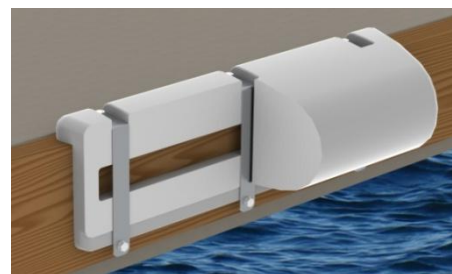
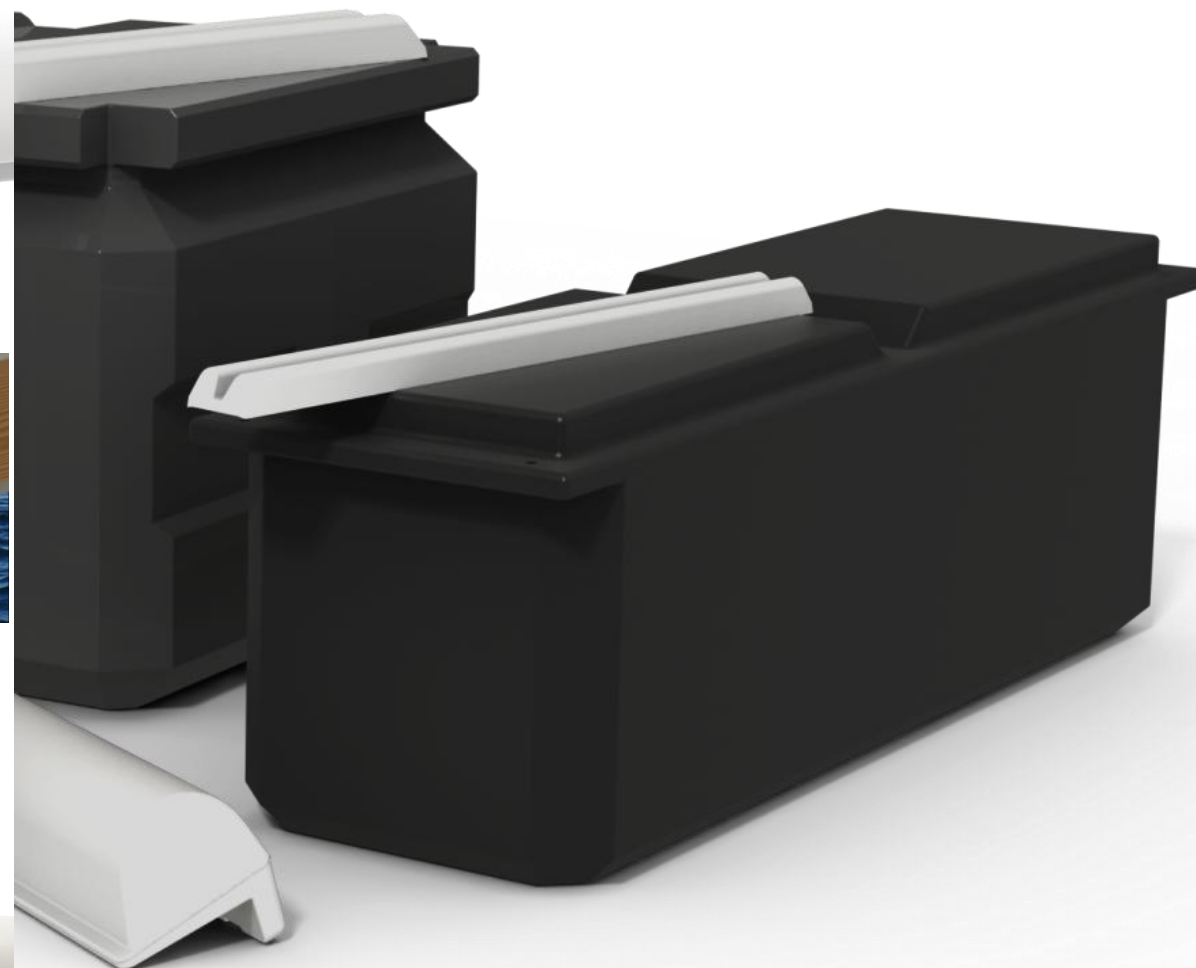


**Provinor AS** har utviklet en egen serie med standard pontonger. Vi har lang erfaring med produksjon av pontonger i rotasjonsstøpt PE både til oppdrettsnæringen og som underleverandør til bryggeprodusenter.

Pontongene leveres i hovedsak med ekspandert polystyren som sekundær oppdrift. I de tilfeller hvor man har fått en skade på produktet vil en slik løsning opprettholde oppdriften inntil man ønsker å ta en service på bryggen.

Pontongene egner seg både for selvbyggere og bryggeprodusenter. Fordelen med å bruke standard pontonger for en bryggeprodusent er en lavere inngangsbillett i en etableringsfase. Etter hvert som behovene melder seg, så kan vi tilby spesialtilpassede produkter for hver enkelt applikasjon.

**Provinor AS** produserer også standard fendingsløsninger for marina anlegg. Disse er produsert i vårt egenutviklede Bacell™ råstoff; en kraftig, elastisk skumkvalitet med gode fendingsegenskaper, lav vekt og ingen vannabsorbering.



The new improved version of MBF150 marina bumper with pre assembled mounting brackets shown in this cut through illustration. Designed for maximum protection of the bow / stern when mooring and during boarding.

FENDERLISTS	Length ↔	Depth →B←	Height ↑↓	Fittings
MF 44	940	44	85	4 clips*
MF 60	1000	60	140	4 clips*
MBF 150	650	130	200	3 aluminium brackets, (pre assembled)*
* Screws are not included		*Skruer følger ikke med		
Please allow for ± 5% tolerance for all measurements and weights given in this folder. We reserve the right to change design and measurements without prior notice. All information in this brochure is to be regarded and used as a general guidance only. The customer / end-user has the final responsibility to determine product suitability for his application		Alle mål og vekt som er oppgitt i denne brosjyren kan variere ± 5% Provinor As forbeholder seg retten til å endre design og mål uten varsel. All informasjon i denne brosjyren er kun retningsgivende. Kunden/ sluttbruker er selv ansvarlig for valg av produkt og bruksområde.		



# MP series - Pontoons

Polyform Marina Pontoons are produced in four different models / sizes, 80 liters, 200 liters, 420 liters and 1100 liters. Each model is constructed for easy fixing and assembly to different marina constructions.

The pontoon floats are produced in black color (standard), and the measurements of the pontoon floats are as stated in the below drawings. For further information please see our web pages [www.polyform.no](http://www.polyform.no) or [www.provinor.no](http://www.provinor.no), and contact us at [mail@provinor.no](mailto:mail@provinor.no).

Polyform Marina Pontonger produseres i fire forskjellige modeller / størrelser, 80 liter, 200 liter, 420 liter og 1100 liter. Hver modell er konstruert med tanke på enkel innfesting og montering til ulike marina konstruksjoner. Pontongene leveres i svart farge som standard, og målene på pontongene er som det fremgår av de målsatte tegningene.

For ytterligere informasjon se våre hjemmesider [www.polyform.no](http://www.polyform.no), eller [www.provinor.no](http://www.provinor.no), og ta kontakt på [mail@provinor.no](mailto:mail@provinor.no).

TYPE	Length (mm) ↔	Width (mm) ↔	Height (mm) ↕	Weight (Kg)	Buoyancy (Kg)
MP 1100	1430	980	790	50	1100
MP 420	1750	500	550	30	390
MP 200	1400	250	540	18	182
MP 80	700	220	590	10	70

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Alle mål og vektor som er oppgitt i denne brosjyren kan variere ± 5%  
Provinor As forbeholder seg retten til å endre design og mål uten varsel.  
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