

Movable Floors



# Malmsten the Company with Water Experience

The swimming pool – a place for exercise, well-being and organized activities. Our goal at Malmsten is to assist our clients in creating beautiful, profitable and well-running aquatic facilities. Malmsten focuses on providing products and services that tie in with aquatics activities, water and swimming. Experience with water increases safety!

## Products

Our extensive range of products includes stainless steel pool equipment, movable floors, gratings, lane lines, diving boards, water slides, etc. Most of our products are designed and manufactured in-house; others are purchased from leading manufacturers. But they are all made from the highest quality materials. Most are manufactured in Sweden, which is an advantage regarding service and spare parts.

## Services and Consulting

We can offer to consult on new products or refurbishments of existing swimming pools. With over 50 years of experience in swimming and equipment for aquatics centers, we have broad expertise and the resources necessary to create attractive and efficient swimming facilities. We can also propose ideas and valuable advice on how to make good swimming pools even better.

*Make us your creative partner.*



## Flexible Swimming Pools Is it profitable?

Many public swimming pools built in the 1960s and 70s are run down today and municipalities are faced with the choice of building new ones, refurbishing existing ones, or in the worst case, demolishing them. Swimming pools from that era traditionally had one 25-meter pool and a smaller children's pool, which catered to swimming classes, fitness swimming and swimming club training. Opening hours for the general public were often limited.

Today's swimming pools have a whole new range of uses. Swimming is the recreational activity that attracts the most people in all age groups. For the very youngest, there is Baby Swim, and toddlers enjoy Splash & Play and preschool kids take learn-to-swim classes.

Fitness enthusiasts rub shoulders with pensioners. In addition, space must be provided for aquatic sports enthusiasts such as competitive swimmers, water polo players and synchronized swimmers.

An excellent alternative to conventional rehab is aquatic therapy for disabled persons. It is essential to consider the needs of many groups.

Building a public swimming pool is a costly investment for any municipality. In addition to the

construction costs, there are sizeable running, overhead and maintenance costs. But providing visitors with sound, healthy recreational activities can also be a wise investment. Swimming pools are often the municipality's most frequently visited sports facilities.

One swimming pool can accommodate a wide range of activities by installing one or several movable floors. Making the swimming pool accessible to more people, extending the opening hours and offering more fitness/wellness activities will boost the number of visitors and, thereby, the revenues.

A movable floor generates increased revenues from Day 1 and quickly pays for itself. In our view, that's a sound investment.



## The Flexible Swimming Pool

With a Malmsten movable floor, the same pool can be used for activities that require different water depths. It is essential to be able to adjust the depth quickly. The movable floor is simple to control, ensuring no vital instruction time is lost.

### Splash & Play

Splash and Play is an activity for non-swimming children aged 3-6. The optimal water depth is 0.4 -0.5 m, so the children feel safe and secure enough to do the required exercises.

### Learning to Swim

Learning to Swim lessons requires a water depth of between 0.6 and 0.9 m, depending on the children's ages—an advantage to adjusting the pool depth to the children's height to create an optimal learning environment. A greater depth is required for swimming lessons for adults so that their legs do not touch the bottom.



# The Swimming Pool a place for exercise and wellness

## Rehabilitation

Rehabilitation/habilitation requires different water depths depending on the type of disability, age group and training activity.

## Water Workout

Water Workout is an activity that is growing in popularity. The water must be shoulder-deep, approximately 1.4 m, so the participants can perform the exercises correctly and stay warm throughout the training session.

## Water Aerobics

Water Aerobics requires deeper water as the exercise programs require the participants not to touch the bottom of the pool.

## Competitive Training/Fitness Swimming

Competitive/fitness training for adults requires a depth of approx. 1.5 m. 1.8 m is the minimum depth when using starting blocks, while 2.0 m is needed for swimming competitions.



# Malmsten Movable Floors

Movable floors also known as adjustable floors and movable platforms. Regardless, the principle is that movable floors make it possible to use the same pool for a wide range of activities. A Malmsten Movable Floor can be installed either in new or existing pools.

## Construction

We manufacture two different models: Classic and Advanced. Malmsten Movable Floors are made of beams in acid-proof stainless steel. The beams are protected in non-slip PVC boards. The floor is raised and lowered using screw jacks placed in slits inside the pool walls. In the Classic model, the screw jacks are connected to motors via shafts and gears placed in the pool's overflow gutters. In the Advanced model, each screw jack has its own motor.

## Safety

Our movable floors are CE-certified and have undergone extensive testing to comply with Swedish and European safety requirements.



- ① Malmsten Movable Floors are made of beams in acid-proof stainless steel
- ② Screw jack for pools with the Classic Movable Floor
- ③ Deployed handrails in pools with Advanced Movable Floors



# The Swedish Model

A Malmsten Movable Floor is constructed for optimal ease of use and maintenance. Unlike many other brands of movable floors, there are no attachments on the pool floor, simplifying cleaning.

The floorboards ensure that the water flows efficiently across the whole floor. There are no recesses where dirt can accumulate, which means the quality of the water remains unaffected.

A Malmsten Movable Floor has at least one service hatch, where you can lower a normal-sized pool cleaner. As the shaft and the gears are placed in the gutter, all service is done from the top (pool edge). In the Classic Model, the motors are typically placed and serviced in the basement (applies to the Classic Model). In the Advanced Model, the motors are serviced from the pool edge. Therefore you never need to empty the pool for service and maintenance.

When the floor is at ground level (top position), it also acts as a pool cover, minimizing evaporation and heat loss. In the top position, it can also be used as a floor for out-of-pool activities. The standard maximum load is 65 kg/m<sup>2</sup> (but it can be dimensioned to handle heavier loads, optional extra). The floor can handle a point load of 200 kg as standard.



# Why Malmsten?

- Reliable partner, stable and financially sound company
- Long experience; our installation manager has installed over 100 movable floors and bridges
- Malmsten has completed 150 projects with this type of product
- Own service organization with rapid call-out times
- All components are always available at our spare parts center
- Capability for handling multiple installation projects
- Continuous product development; improvements to existing designs, e.g., stainless steel gear casings, gear wheels in bronze, adjustable guide rails in sections
- Control system with remote control, which means we can read the movable floor's functionality data remotely and provide a customized level of service



# Malmsten

## Classic Movable Floor

Our movable floors are made of beams in acid-proof stainless steel. The floor covering consists of slip-proof (Class C, 24°) boards of PVC vinyl ester, 117 mm wide and 22 mm thick. They are placed with 8 mm gaps to create an efficient flow through. The standard color of the boards is white.

The standard maximum load is 65 kg/m<sup>2</sup>. Colored boards, dark blue or black can be chosen for swimming lane markings.

1. Control panel
2. Display
3. Drop down
4. Service hatch
5. Overflow gutter
6. Drive shaft on both sides
7. Handrails (optional extra)
8. Articulated steps in niche
9. Movable platform
10. Screw jack



11. Circuit panel at lower level
12. Motor for platform
13. Motor for movable floor
14. Drop down







## Malmsten Advanced Movable Floor

With many years of experience, we are ready to install the next generation of movable floors. In close collaboration with our customers and with the help of skilled technicians, we now have an improved solution – we are confident the market is ready. We proudly present a ground-breaking product that can quickly be customized to adapt your pool for various activities. So what's new?

- The drive function is assisted by screw jacks, each fitted with its own separate motor. Therefore, the floor is flexible and can be angled horizontally and vertically – Malmsten can program the software from 0 to 3 percent inclination. If the pool walls are straight, the normal inclination is 2 – 3 percent without exceeding the 8 mm gaps on the outer wall
- The system does not require special guttering and can be installed either in new or existing pools, whether they are tiled, in stainless steel or lined
- The movable floor can be installed in pools of different designs, e.g., freeform pools, that do not require gutters.
- No installations in the gutter, which can collect dirt
- Low noise level as the motors are under water and no mechanical devices are needed between them
- Our floor covering is in PP/PE or PVC material
- No extra volume is required in the equalizing tank in the basement as the water level does not fall 10 cm when operation is stopped for water cleaning
- Remote monitoring. The control system has a remote connection for reading operation data, running times, number of starts and stops, movement distances, etc.
- Fewer worn parts that need to be serviced and maintained
- Quick installation



- ① Service hatch to lower pool cleaner
- ② Screw jack for pools with the Advanced Movable Floor
- ③ Pool with Advanced Movable Floor in top position



# Malmsten

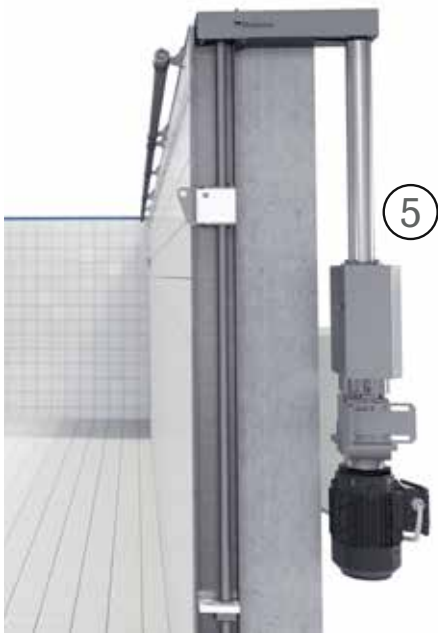
## Advanced Movable Floor

Our movable floors are made of beams in acid-proof stainless steel. The floor covering consists of anti-slip (Class C, 24") boards of PVC vinyl ester, 117 mm wide and 22 mm thick. They are installed with 8 mm gaps to create an efficient flow through. The standard color of the boards is white.

The standard maximum load\* is 65 kg/m<sup>2</sup>. Colored boards, dark blue or black, can be chosen for swimming lane markings.

*\* The movable floor can be dimensioned to handle heavier loads (optional extra)*

1. Control panel
2. Display
3. Control cabinet
4. Service hatch
5. Screw jack and motor
6. Handrail (optional extra)
7. Articulated steps in a niche
8. Movable platform



The Advanced Movable Floor can be angled horizontally or vertically.



The Advanced Movable Floor can be operated from the control panel or by remote control

The floor can be raised to the surface of the water. This is the position needed when you open the hatch to lower the pool cleaner.

All included components that come into contact with water are made of acid proof stainless steel and high-resistance polymers.



## Movable Floor in one section of the pool

A public swimming pool is a significant investment, so offering visitors a wide range of activities is essential, preferably all in the same pool. Perfect conditions for each activity are created by dividing the pool into different sections. For increased flexibility, it is, therefore, common today to offer several possibilities.

### Submersible Bridge

A bridge that is 1.5 m or wider provides great flexibility. You can walk on it, equip it with starting blocks, attachments for lane lines, install turning boards for timed swimming, etc. Another option is a multi-section bridge, a suitable solution in 50-meter pools. The entire pool length can be used for training in one section of the pool, while other activities can take place in other areas.

### Bulkhead

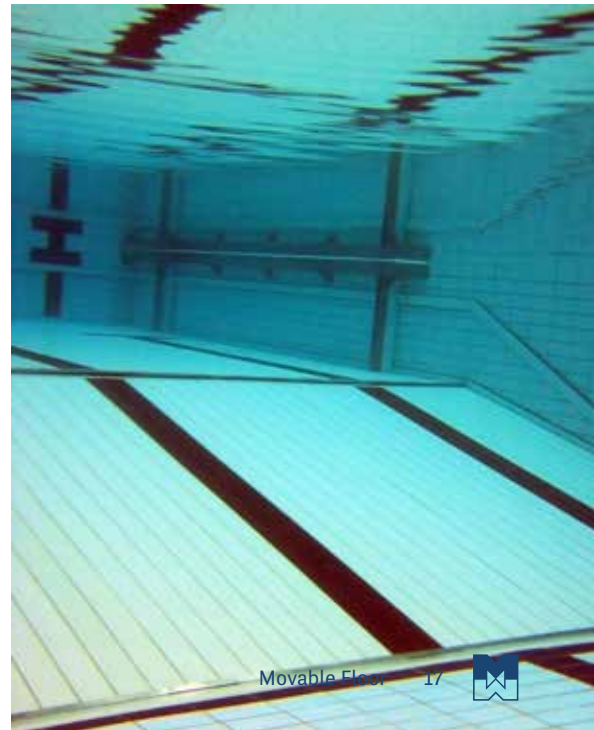
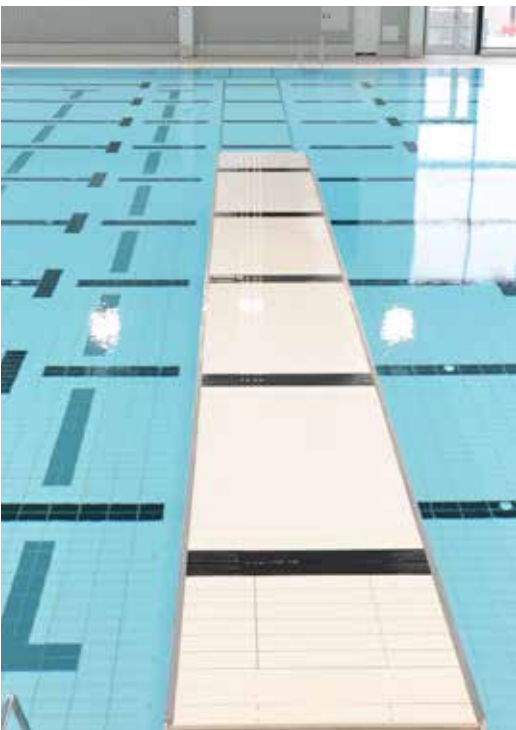
By choosing a bulkhead, you create a bridge that moves along the length of the pool but is fixed in place in height. With a bulkhead, a 50-meter pool can be split into two 25-meter pools. A bulkhead can be combined with a movable floor.

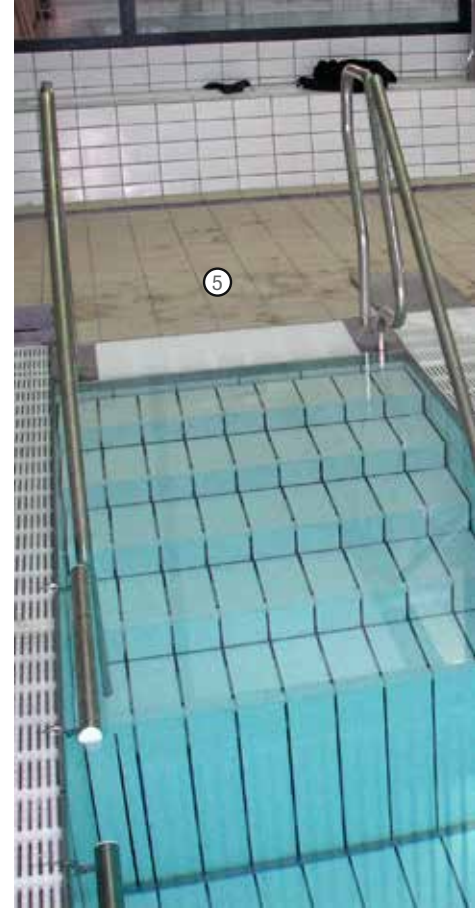
### Dividing Wall (drape)

Dividing Wall is an electronically controlled partition for dividing the room and the pool. It is attached to the ceiling and can be lowered. Together with a submersible bridge, you can create a completely secluded space where several activities can be conducted simultaneously.

### Sliding Flap

If the movable floor will be used only in one part of the pool, it can be equipped with a sliding flap to prevent anyone from swimming underneath it. A sliding flap is attached to the movable floor on one side and rests flat against the bottom of the pool. It moves in tandem with the movable floor. The sliding flap creates a perfect and tight transition between the movable floor and the bottom of the pool at any floor depth.





# Accessibility in the Swimming Pool

## ① Steps

Our articulated stairs are fitted in the overflow gutter or pool deck. These steps adjust to the movements of the movable floor, ensuring they are always horizontal.

## ② Protective Wall for Steps

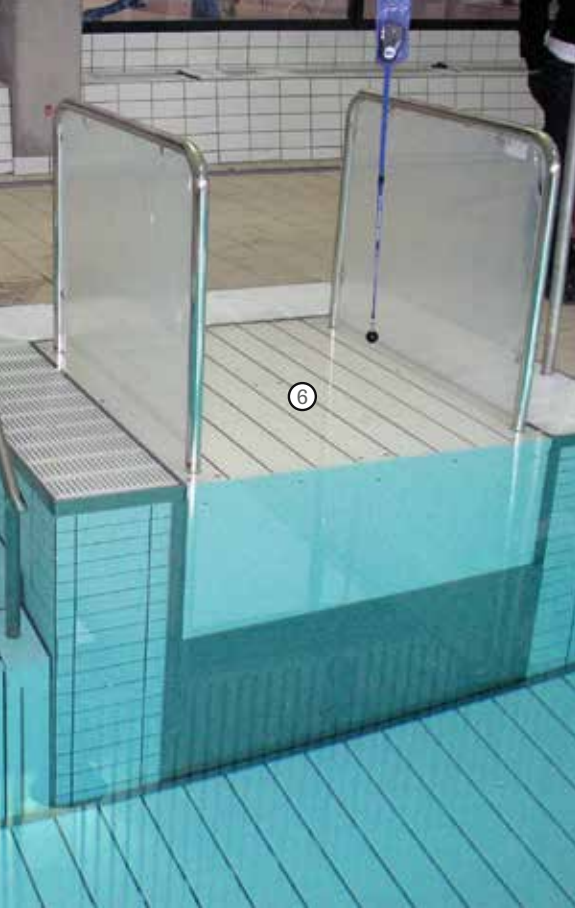
Unless the steps are placed in a niche, our articulated steps are highly recommended to be equipped with a protective wall to prevent anyone from swimming under the steps.

## ③ Stairs in Niche

As a safety measure, we recommend placing the articulated stairs in a sealed niche in the pool to prevent anyone from swimming under the steps. It is also a more space-efficient solution.

## ④ Recessed Ladder

If you require ladders in the pool, they are supplied recessed in a niche. In that case, the movable floor will stop directly before each step for safety reasons.



## ⑤ Integrated Stairs

Our Integrated steps are made of the same material as our Movable Floor and are placed in a “sealed” niche outside the pool. The placement in the niche does not take any pool space, and it is safe since it prevents anyone from swimming under it. It is an elegant solution. When the movable floor is raised, the staircase is also raised and appears to be part of the pool floor, as a ramp. As the movable floor is lowered, each staircase step is released gradually. As the floor is raised, each step follows suit gradually.

The integrated steps can either take the form of a step ladder or be part of a larger section, i.e., take up the entire length of the short or long side of the pool.

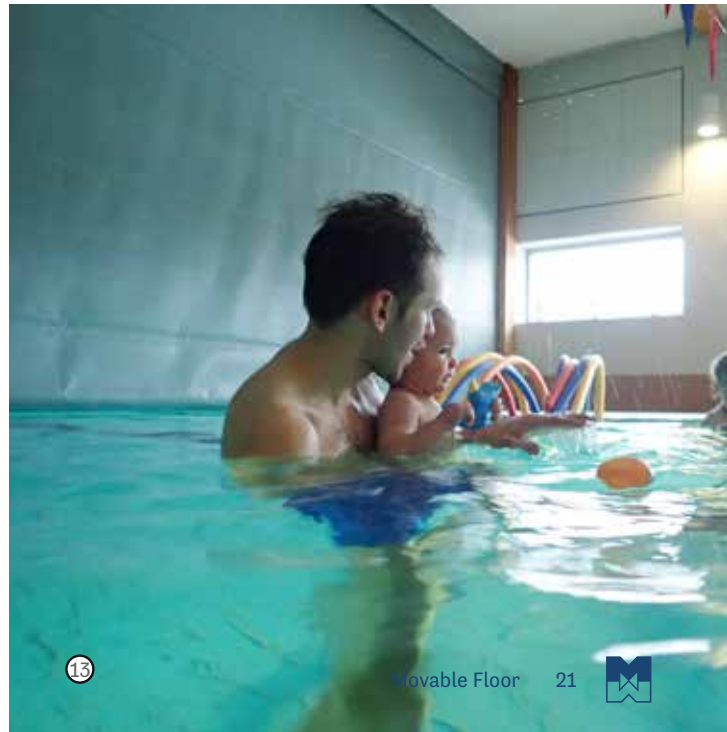
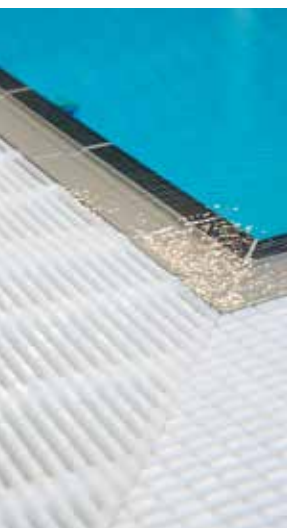
## ⑥ Movable Platform

Malmsten's Movable Platform is constructed for the needs of disabled guests. The platform is built according to the same principle as the movable floor and can be installed either in a niche or a corner of the pool. With remote control, visitors who use wheelchairs can lower themselves to the desired depth, but no deeper than max 90 cm for safety reasons. A telescopic wall prevents people from swimming under the platform. We can also offer a stretcher hoist platform.

# Options

- ① **Starting Blocks:** Our assortment includes a range of starting blocks that can be mounted on a partition, e.g., bridge or bulkhead.
- ① **Wave Breaking Lane Lines:** Material: polyethylene with UV protection, take-up reel and stainless steel wire. Malmsten's lane lines are recommended by WORLD AQUATICS and LEN. The Official equipment at ten Olympic Games can often be found in the pool at major international swimming competitions such as the European and World Championships.
- ② **Turning Boards:** To be used in pools with overflow gutters. Material: polyethylene and stainless steel. It can also be supplied entirely in stainless steel.
- ③ **Lane Markings:** Colored floorboards, dark blue or black, can be chosen for swimming lane markings.
- ④ **Floor Plate Gold:** Simplifies storage of lane lines under the floor.
- ⑤ **Stainless steel equipment for wall and floor**
- ⑥ **Cleaning run-off in overflow gutter:** Wide run-off with space for integrated cleaning drain.
- ⑦ **OP Gratings®:** Supplied in 1-meter sections of UV-treated polyethylene, other lengths available on request. More than 900 installations, including the Olympic swimming pools in Athens and Moscow.
- ⑧ **Handrail:** Retractable handrail.
- ⑨ **LED-Display,** shows depth and info, e.g., diving forbidden.
- ⑩ **Safety seal for diving boards with movable floors in high-diving pools:** Safety system that prevents high-diving when the depth is insufficient.
- ⑪ **Surface layer in stainless material:** Available as an extra for stainless steel pools.
- ⑫ **Underwater lighting:** We will provide lighting suggestions on request.
- ⑬ **Dividing wall:** Gives the possibility to divide the pool into two smaller pools.







## Service Safety and Maintenance

We supply Malmsten Movable Floors with a two-year warranty which includes service. We can also provide a 5-year service agreement, which means yearly servicing (every 10th to 18th month).

Our remote monitoring system offers extra security for the customer. We can immediately identify the problem and provide instructions until we arrive on-site as quickly as possible.

We recommend that our customers ensure that their movable floors are serviced regularly.



## Safety

- CE-certified. We deliver in accordance with SS-EN-13451
- The floor has undergone extensive safety testing to comply with Swedish and European safety requirements
- For safety reasons, the control panel is fitted with a lockable power switch and an emergency stop
- There are no gaps in the construction larger than 8 mm
- The floor has a non-slip surface
- Malmsten Movable Floors are developed and manufactured in Sweden. Choice of materials and design complies with strict Malmsten requirements

## Maintenance

A Malmsten Movable Floor is easy to keep clean, simply by lifting the gratings and hosing the gutters clean.

Cleaning under the movable floor is done with a pool cleaner lowered through a service hatch. There are no attachments on the pool floor to obstruct the cleaning process.

All servicing can also be done from the top. You never need to empty the pool for service and maintenance.

# What happens when you purchase one of our floors?

## ① Start-up meeting

Once we have received an order, we will hold a start-up meeting, with the client/builder to finalise the parts that we need to begin construction.

## ②

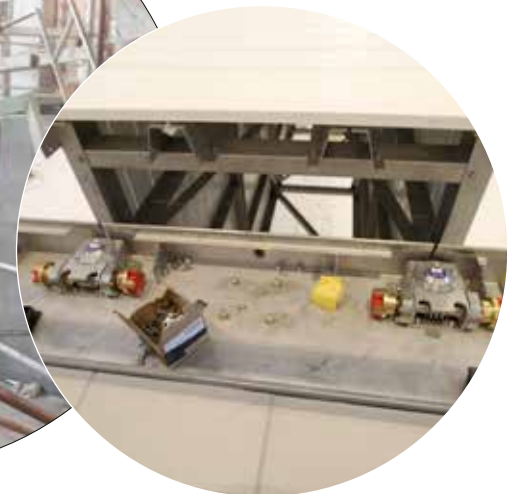
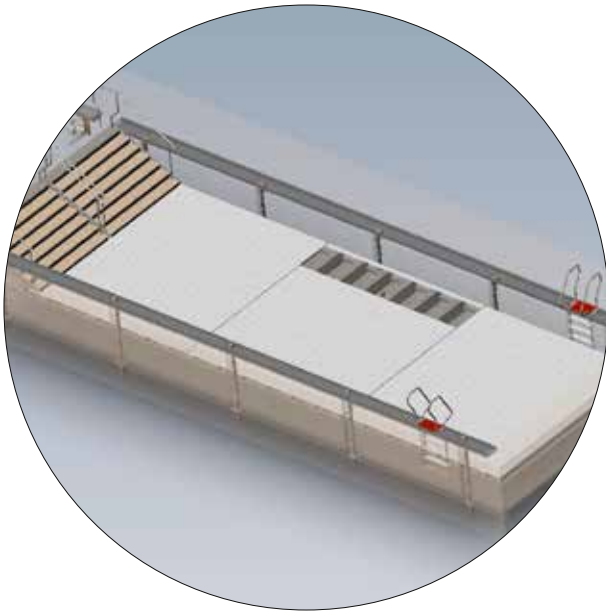
After approximately 8 weeks we have a casting drawing (concrete pool) or alternatively a **construction drawing** (steel pool) ready. A casting drawing contains the dimensions and tolerances of the pool construction needed to deliver a safe floor.

## ③

(Applies to concrete pool)  
When the pool construction is cast, screeded and dry, we **inspect** on-site and take measurements for the future pool: We do this to get exact construction for our production. We can now begin to manufacture the overflow gutters, hand-rails, etc.

## ④

After approx. 8 weeks we can be on-site to install our hand-rails and overflow gutters. Then the pool can be plastered and tiled.



8 weeks

8 weeks

X weeks

1 week

**Start-up  
meeting**

**Construction  
drawing**

*Construction outside  
Malmsten's control  
**Inspection after  
completed casting***

**On-site  
assembly**

⑤ Final installation. Now it's time to put the rest of the movable floor in place; the control system, the motors and beams, and finally the floor itself.

⑥ After filling the pool with water, we test the movable floor.

Thanks to remote control capability we can continue to assist the users of the movable floor after handover.

⑦ In conjunction with the hand-over of the movable floor we perform a **function test** according to a checklist and offer training to the people who will be operating the movable floor.



X weeks

1 week

1-2 days

Construction outside  
Malmsten's control  
Plaster/tiling

**On-site  
assembly**

**Test run  
and handover**

\* When weeks are specified, it is the work time that Malmsten normally requires for a standard rehab-pool, 6x12 m

# List of reference installations

## Movable Floor

<b>1996</b>	Bromölla, Sweden	5x7 m	<b>2006</b>	Toronto, Canada	18x7,5 m
	Vilhelmina, Sweden	5,5x12 m		Valjeviken, Sweden	7,05x11,5 m
<b>1998</b>	Halmstad, Sweden	8x12,5 m		Oskarshamn, Sweden	8x12,5 m
	Umeå, Sweden	8x12 m		Philoktitas, Grekland	4,2x6,8 m + 5,7x5,9 m
	Mallorca, Spain	8,5X25 m	<b>2007</b>	Finland	4x9 m
	Wetteren, Belgium	9x20 m		Gustavsberg, Sweden	6x10 m
<b>1999</b>	Fredericia, Denmark	15,5x11,4 m + bro + 15,5x1,5 m		Malmö, Sweden	5x10 m
	East Anglia University, England	17x25 m		Håbo, Sweden	6x12,5 m
	Siilinjärvi, Finland	1x1 m plattform		Finspång, Sweden	6x12,5 m + 1x1 m plattform
	Torsby, Sweden	4x9 m		Höör, Sweden	7x10 m
<b>2001</b>	Helsingfors, Finland	3x5 m och 1,2x1,2 plattform		Kristiansand, Norway	1x1 m plattform
	Ulricehamn, Sweden	6x12,5 m		Skellefteå, Sweden	8x12,5 m
	Uleåborg, Raksila, Finland	1x1 m plattform		Drammen, Norway	8x12,5 m + 21x1,5m bro
	Falkenberg, Sweden	8x12,5 m		Sweden, Finland	1x1 m plattform
<b>2002</b>	Gentofte, Kildeskovshallen, Denmark	12,5x2 m bro		Kopavogur, Iceland	1x1 m plattform
	Geraardsbergen, Belgium	L-shaped, 76 m <sup>2</sup>		Taukokangas, Finland	1x1 m plattform
	Wachtebeke, Belgium	10x14,5 m		Järvenpää, Finland,	1x1 m plattform
	Oggiono, Italy	6,3x7 m + släpplan		Olofström, Sweden	6x6 m + släp- plan
	Skövde, Sweden	6x14 m	<b>2008</b>	Coventry, England	1x1 m plattform
	Valencia, Spain	10.5x25 m		Vilundabadet, Sweden	6x11 m
	Ieper, Belgium	6.2x13.4 m		Shafallah Center, Qatar	5,5x9,5 m
	Helsingborg, Sweden	10x12.5 m		Forthbank, England	7x12,5 m
	Uleåborg Caritas, Finland	1x1 m plattform		Klippan, Sweden	8,33x11,01 m
<b>2003</b>	Viitasaari, Finland	1x1 m plattform		Mountbatten, Portsmouth, UK	17,5x23 m + 17,5x1,5 m bro
	Rovaniemi, Finland	1x1 m plattform	<b>2008</b>	Malaga, Spain	16,5x25 m
	Laholm, Sweden	7x12 m		Alta, Norway	25x5,5 + 25x1,5 m bro
	Nordlandsbadet, Bodö, Norway	7,8x10,8 m		Kolmårdens delfinarium, Sweden	13x13 m
	Leuven, Belgium	10x20 m	<b>2009</b>	Skövde, Sweden	1x1 m
	Espo, Finland	2.8x5 m		Lerberget, Sweden	6x11,5 m
	Skara, Sweden	6x12 m		Spiceball, Sweden	10x20 m
	Meranarena, Italy	4x9 m, djup 3,7 m		Kristinehamn, Sweden	6,5x12 m
	Växjö, Sweden	8,5x16,7 m + 8,5x7,8 m + 8,5x0,5 m bro		Sundsvall, Sweden	8x16,7 + 8x7,9 m + 8,5x0,5 m bro
	Oulu, Finland, two platforms	1x1 m plattform		Police hospital Cairo, Egypt	5x8 m
	Mjölby, Sweden	4x12 m	<b>2010</b>	Hallsberg, Sweden	5x10 m
<b>2004</b>	Auburn, USA	6,1x12,2 m		Dunfirmline, Sweden	12x25 m
	Barcelona, Spain	25x7,2 m	<b>2011</b>	Basildon, Sweden	21x25 m
	Åre, Sweden	1x1 m plattform		Sollefteå, Sweden	6,5x10 m + 1x1 m plattform
	Åbyhallen, Sweden	7x10 m		La Concha, Spain	2x1,4 m + 1x1 m plattform
	Bologna, Italy for a private pool	1x1 m plattform	<b>2012</b>	Kumla, Sweden	6x12,5m + 1x1 m plattform
	Chiba project, Japan	1x1 m plattform		Knowsley, UK	8,5x25 m
	Finland, Helsinki	1x1 m plattform		Lund, Sweden	7,5x10 m + 1x1 m plattform
	Shafallah Center, Qatar	5,5x9,65 m		Bangor, Northern Ireland	25x8,5 + 25x12,95 bro + 15x25 m bro
<b>2005</b>	Borlänge, Sweden	7,7x16,4 m		Tyresö, Sweden	7x16,7 m + 1x1 m plattform
	Gent, Belgium	18x14,7 m + 18x2 m bro		Angered, Sweden	8x13,5 m + 1x1 m plattform
	Lund, Sweden	6x12 m		Killmarnock, UK	5,5x8,6 m
	Borås, Sweden	6x12 m		Rochdale, UK	7x17 m
	Falköping, Sweden	6x10 m		Kv. Prästosten, Umeå, Sweden	5x12,5 m + lyftplan i nisch
	Markaryd, Sweden	5x8 m		Ankerskogen, Norway	13x12,5 m + släpplan

<b>2012</b>	Arvika, Sweden	6x12,5 + lyftplan
	St. Sigfrid, Växjö, Sweden	4,5x8 + 2 bårlyftplan
	CIPD, Dublin, Ireland	12,5x12 m + 12,5x1 m bro
	Llorett de mar, Spain	25x8,1 m
	Lasswade, UK	13x7,5 + 13x0,8 m bro
	Portugalete, Spain	5,5x11,7m
	Martesana Tuffi, Italy	5x10,5 m
	Sherbrooke, Kanada	21x10 m + släpplan + 21x50 m
	Kellett School, Hong Kong	15x25 m + 15x25 m
	MAC, Canada	25x12,5 m
<b>2013</b>	Ystad, Sweden	8x16,7 m + lyftplan
	PAAC, Kanada	25x10,5 + 25x52,25 m
	Hyllie, Malmö, Sweden	8,5x16,7 m + lyftplan
<b>2014</b>		20,5x1,5 m 2 st broar
	Norrtälje, Linad pool, Sweden	6x10 m + lyftplan
	Vara, Sweden	6x12,5 m + lyftplan
	Märsta, Sweden	6x12,5 m + 2 st lyftplan
	Sundbyberg, Sweden	12x25 m multi pool + lyftplan
	Tomelilla, Sweden	8x12,5 m + lyftplan
	NMC, UK	7x13 m
	Ellesmere, UK	2 st plattform
	Sjöbo, Sweden	10x16 m + lyftplan
	Sjöbo, Sweden	Lyftplan
<b>2015</b>	Espoo, Finland	6x5 m
	Gnesta, Sweden	6x12,5 m + lyftplan
	Ängelholm, Sweden	5x10 m
	Åkeshov, Sweden	6x10 m
	Järfälla, Sweden	6x8,5 m + lyftplan
	Järfälla, Sweden	6x12,5 m + 25x1,5 m delad bro
	Fagersta, Sweden	5,5x12 m + stor plattform
	Stenungsund, Advanced, Sweden	6x12,5 m
	Stenungsund, Advanced, Sweden	6x12,5 m + lyftplan
	Vysoke Myto, Czech Republic	10x10 m + släpplan
<b>2016</b>	Trelleborg, Sweden	6,0x12,0 m
	Tammerfors, Finland	8,0x16,67 m
	Utställningspool för Berndorf	1,5x4 m
	Västerås, Sweden	8,5x16,7 + lyftplan
	Västerås, Sweden	12,5x12,5 m + 11,5x12,5 m + 12,5x0,9 m bro
	Västerås, Sweden	1,5x25 m, delad bro + lyftplan
	Lyftplan, Finland	1x1 m, lyftplan
	Zlin, Czech Republic	3,7x6,5 m
	Örjanshallen, Sweden	10x12 m + släp- plan
	Wroclaw, Poland	3x4 m
<b>2017</b>	Östra sjukhuset, Göteborg, Sweden	7,8x16,7 m
	Kungsbacka, Sweden	8,5x12,5 + 8,5x12,5 m+ lyftplan
	Kungsbacka, Sweden	1,5x25 m delad bro
<b>2018</b>	Burlöv, Sweden	50x20,75 + 20,75x1,5 m delad bro
	Burlöv, Sweden	1x1 m lyftplan + 1x1 m lyftplan
	Burlöv, Sweden	16,7x8
	Holmlia, Norway	1 x 1 m lyftplan
	Västervik, Sweden	13,2 x 5,4 m golv + bårplan
	Arendal, Norway	9,6 x 4 m golv
	Tloskou, Czech Republic	5 x 9 m golv

<b>2022</b>	Linköping, Sweden	25 x 2 m bro + lyftplan
	Linköping, Sweden	12 x 25 m golv + lyftplan
	Linköping, Sweden	8,4 x 16,67 m golv + lyftplan
	Linköping, Sweden	6 x 12,5 m golv + lyftplan
	Kristianstad, Sweden	12 x 8 m golv + lyftplan
	Kristianstad, Sweden	10 x 6 m golv + lyftplan
	Kristianstad, Sweden	10 x 8 m golv + lyftplan
	Ortun, Norway	16,75 x 10,6 m golv + ramp
	Ortun, Norway	25 x 12,5 m golv
	Timrå, Sweden	7,75 x 16,67 m golv
	Timrå, Sweden	8 x 7,5 m golv
	Timrå, Sweden	1 x 1 m lyftplan
	Täby, Sweden	25 x 2 m delbar bro
	Täby, Sweden	1 x 1 m lyftplan
	Täby, Sweden	8 x 16,67 m golv + lyftplan
	Täby, Sweden	6 x 12,5 m golv + lyftplan
	Sala, Sweden	5 x 11,5 m golv + lyftplan
	Kiruna, Sweden	10,5x12,5
	Kiruna, Sweden	8,5x12,5
	Mölnadal, Sweden	25 x 2 m delbar bro
	Mölnadal, Sweden	1 x 1 m lyftplan
<b>Kommande projekt 2023</b>	Mölnadal, Sweden	10 x 0,3 m vägg
	Mölnadal, Sweden	6 x 12,5 m golv + lyftplan
	Mölnadal, Sweden	6 x 12,5 m golv + lyftplan
	Grong, Norway	8,5 x 12,5 m golv
	Karvina, Czech Republic	4 x 7 m golv + vägg
	Älvsbyn, Sweden	6,5 x 12 m golv + lyftplan
	Kautokeino, Norway	25 x 8 m golv + ramp
	Solna, Sweden	5 x 10 m golv
	Gnosjö, Sweden	7,7 x 12, 5 m golv + lyftplan
	Hällefors, Sweden	Golv
<b>2024</b>	Deje, Sweden	10 x 12,5 m golv
	Deje, Sweden	1 x 1 m lyftplan

#### Kommande projekt 2023

Jyväskylä, Finland  
Filipstad, Sweden  
Malung, Sweden  
Lempäälä, Finland





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