

Competitor Racing Lane Line - Ø 100 mm

Article No. 1010001

A real Competitor! The model has been around since 1974 and is still our most popular racing lane line with an impressive reference list including many Olympics, World Cups and European Championships behind it. Excellent wave reduction, based on the same technology as the successors Malmsten Gold and Malmsten Gold PRO. All Malmsten racing lane lines are based on the same principle for optimal wave attenuation with discs that are designed to catch the wave while rotating independently of each other, which means that the wave is broken inside the line. The lane line catches the wave so it does not bounce back, go through, over or under the line.

Due to Malmsten Competitor's smaller diameter, it is easier to handle and is therefore suitable for everyday use, e.g. training and demarcation between different activities. Because the wave-damping effect is so high, Malmsten Competitor is also used as official demarcation line in Water Polo, (at the European Championships, World Championships and Olympics) line in open water swimming and also works great as a wave attenuator in smaller competitions. Competitor, like all our other swimming lines, is made in Sweden and assembled at our factory in Åhus.

Be sure to choose the original!

Features:

- Wave-reducing racing lane line, the construction causes the wave to break inside the line, "wave depleting technology." The wave does not go through, under or over the line.
- Perfect water position for optimal wave reduction thanks to greater weight.
- Original ratchet wrench is needed to tighten and loosen the line, which ensures that only trained personnel handle adjustments.
- A Swedish-made quality product where we also focus on work environment. Mounted by Linus, our robot, besides no "human factor errors".
- Impressive reference list with many European Championships, World Cups and Olympics behind it. Still used as a demarcation line at international water polo championships, as the line is flexible and easy to handle.



Product Information

Length:
25, 50 m or made to measure

Discs:
Ø 100 mm

Wire:
4mm Stainless steel, flexible and strong

Wave Energy Dampening: 74,50%

Lanes are delivered complete with Take-up Reel and Tension Spring.

For safety purposes: the original Ratchet Wrench must be used.

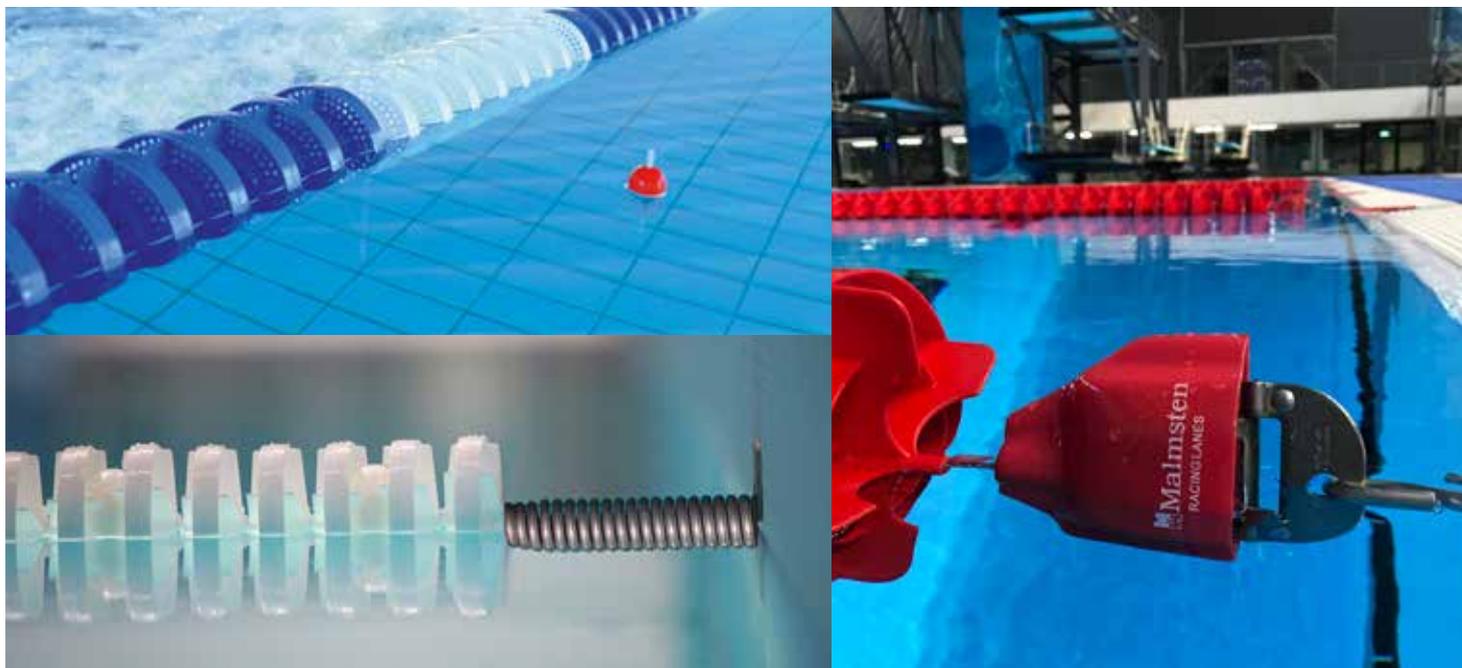
*wave-energy dampening studies at KTH, Sweden.

Selected When it Counts

Functionality

In order for wave reduction to be optimal with a Malmsten Competitor Racing Lane Line, it is important to keep in mind the following:

- The line must be adjusted to the pool regarding the type and location of attachments. The entire line (discs and floats) should be in the water. Usually, the line is attached at water level. If the attachment is on the pool deck, extension hooks are required.
- The discs must be able to rotate independently of each other. No part of the wire may be visible. If all the discs and floats are “pressed together”, it is then acceptable for about 15 cm of wire to be visible on a 25 m line.
- Tighten the line so that the opening on the spring is approx. 1 mm.
- The tensioner (art.no. 1011018 Take-up Reel) is a precision tool and may only be used together with Malmsten Ratchet Wrench (art.no. 1011002) - other tools can damage the brass teeth.



Material

Discs: MD-polyethylene, a soft material that prevents unpleasant cracks from occurring. Maximum UV protection and enhanced color fastness. Recyclable material.

Floats: Ø 70 mm, Polyolefin with UV-protection (an intergral part between two discs)

Wire: 4 mm stainless steel, 316 L. 7x7 wires

Tensioner with cover: Stainless steel frame, 316 L Brass roller with gears. Plastic roll in polyamide. Plastic cover in polyethylene.

Tension Spring: Stainless steel 316 L



Selected When it Counts

More material thus better functionality

Competitor	Vinge	Competition Line	Dampening*	Weight	Volume	Incl. Take-up Reel and Tension Spring
50 m	100 mm	Yes	74,50 %	70 kg	0,86 m ³	Yes
25 m	100 mm	Yes	74,50 %	35 kg	0,57 m ³	Yes

Better material for durability

Wire PRO - Flexible & Strong	Disc	Color Fastness	UV stab.	Anti-oxidant Protection	Free of heavy metals	Stress tested
ss316, 4 mm, 7x7 threads	Polyethylene	8 on 8 / Yes	8000ppm	5 % Irganox 1330	Yes	Yes

* Wave energy

Choice of color combinations

FINA-competition rules:

3 leading lane lines in yellow, followed by 4 or 6 blue and the two outer lines green

Marking:

Red: 5 m each end
Red: 15 m
Red: 25 m (only for 50 m lines)



Original Malmsten:

Blue and White - 40 cm color segments

Marking:

Red: 5 m each end
Red: 15 m
Red: 25 m (only for 50 m lines)



Example:

Black and White - 40 cm color segments

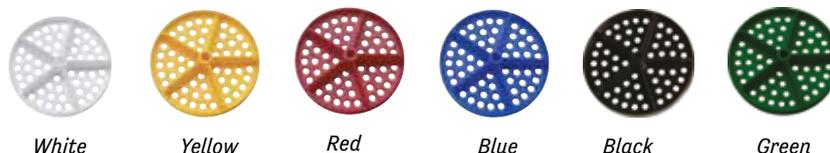
Marking:

Red: 5 m each end
Red: 15 m
Red: 25 m (only for 50 m lines)



Customize your own lane line:

Color options



White

Yellow

Red

Blue

Black

Green

Selected When it Counts

Spare Parts are available



1011018 Take-up Reel



1011010 Tension Spring



1011011 Wire Lock
1011005 Wire Ø 4 mm

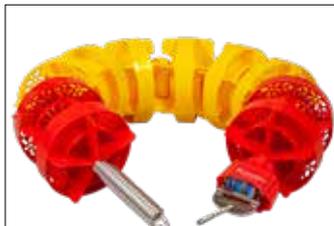


1011041 Disc Ø 100
1011004 Donut Float



1011002 Ratchet Wrench for
Take-Up Reel

Related Products



1010012 Malmsten Gold PRO
Racing Lane Line Ø 150 mm



1010002 Malmsten Gold Racing
Lane Line Ø 150 mm



1012001 Storage Trolley Lane Line
1050006 Cover for Malmsten Storage Trolley



1011023 Spring Cover
Red swimming and White WP



1011021 Lane Line Slider



2010004 Lane Line Trap



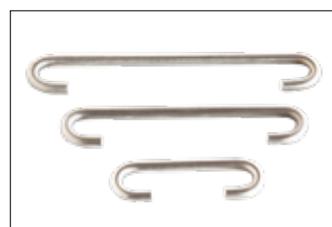
1011001 Storage Bag



2010010 Floor Anchor
1013001 Lane Line Post



2010003 Wall/Bottom Anchor



1011007 Extension Hook