

## Malmsten Classic Racing Lane Line - Ø 100 mm

### A true classic, made by Malmsten in Sweden since 1974.

World's most popular racing lane line and designed for everyday pool use. Suited for training, divisional purposes, certain swimming competition and also used for water polo field of play demarcations, open water finishing lines and divisional lines for synchronized swimming and more.

An excellent lane line and wave breaker using much of the same technology as our Gold model, but less functional as a wave breaker using 100mm discs.

Up to the Olympic Games in Barcelona 1992, the Malmsten Classic design, is what was used in international competition. Prior to 1992, Malmsten introduced its Gold-model (item 1010002) and proved FINA and the international swimming community of its benefit, and the FINA facility rule was modified for use of racing lane lines up to 150mm.

### The importance of getting the Malmsten Classic:

There are many copies on the market, but recent studies\* have proven the Classic by Malmsten to be much more functional than those and also of other competition lane lines. Its functionality is just shy a few percentage points of our own Gold-model.

We use a softer material to avoid discomforting cracks in discs and it is all harmless material with no traces of heavy metals. We like to brag about our long product life, as it is better to purchase a Malmsten lane line that will last a long time than having to replace it ever so often.

### Unique qualities:

- Flow-through technique
- Designed for minimal water bounce back
- Each disc rotating motion
- Water positioning - to maximize wave energy reduction
- Durability and life span

We work with latest industry polyethylene, best possible color fastness and UV-protection and with additional anti-oxidants. Our stainless steel wire is 4mm thick and consists of 7x7 intertwined threads which makes it both supple and strong.

**Malmsten Classic was selected by FINA and LEN from 1976 to 1992 for most major competitions**



### Product description:

25-m, 50-m long or custom length  
Discs of Ø 100 mm

*\*wave-energy dampening studies at KTH, Sweden.*

*Selected When it Counts*

## Functional racing lane line:

### Fitting to the pool:

- Installed with take-up reel and tension spring in pool water
- If anchoring on pool deck, ask for permanent extenders
- If anchoring builds into the pool water, inform us so that material used may be adjusted



### Good wave energy dampening\* of lane line is achieved when:

- Each disc rotates individually. Discs align along lane line
- Material covers ss wire. When material is being "pushed back" a maximum of 15 cm bare wire may be seen
- Take-up reel is tensioned (with Malmsten original ratchet wrench) so that tension spring opens less than 1 mm

\* Refer to user manual for more information



Original Take-up reel is a precision tool

Softer material to avoid discomforting cracks in discs

Best color fastness of 8/8, with additional anti-oxidants: 5% Irganox 1330

Best UV-protection of 8000ppm

Harmless material with no traces of heavy metals

Water turbulence control

Strong, safe and flexible ss316 wire; 4 mm with 7x7 threads

Latest industry polyethylene

Flow-through design

*Selected When it Counts*

## More material thus better functionality

Classic	Discs	Competition line	W.E. dampening*	Weight	Volume	Incl. take up reel and tension spring
50 m	100 mm	Yes	74,50 %	70 kg	0,86 m <sup>3</sup>	Yes
25 m	100 mm	Yes	74,50 %	35 kg	0,57 m <sup>3</sup>	Yes



## Better material for durability

Wire PRO - Flexible & Strong	Disc SUPERIOR	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  
Black: 15 m  
Red: 25 m (only for 50 m lines)



### Example:

Red and white - 40 cm color segments

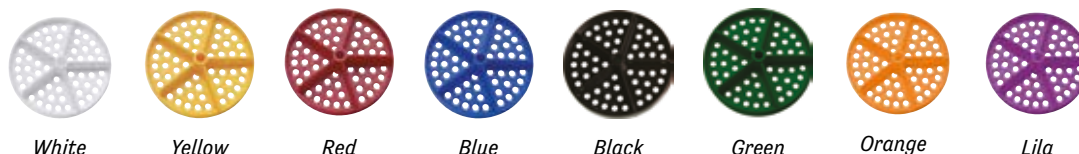
### Marking:

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



## Customize your own lane line:

### Color options



*Selected When it Counts*

## Associated products



**1011023** Spring Cover



**1012001** Storage Trolley for Lane Line Malmsten  
**1050006** Cover for Malmsten Storage Trolley



**1010002** Racing Lane Line  
Malmsten Gold Ø 150 m



**1011021** Lane Line Slider



**2010004** Lane Rope Trap with  
floor plate



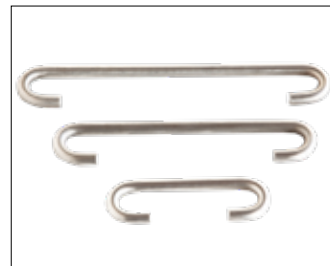
**1011001** Storage Bag for  
Racing Lane



**2010010** Floor Anchor for  
Lane Line Post  
**1013001** Lane Line Post



**2010003** Wall-/Bottom Anchor



**1011007** Extenders Malmsten  
for Racing Lane Lines

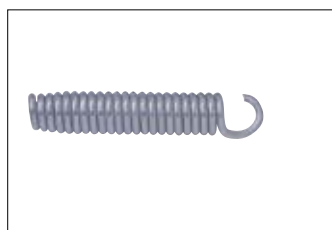


**1011002** Ratchet Wrench for  
Take-up Reel

## Spare parts are available...



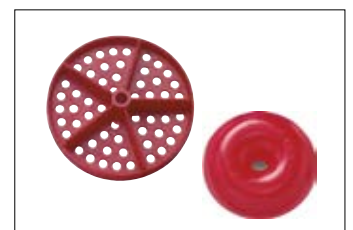
**1011018** Take-up Reel with cover



**1011010** Tension Spring



**1011011** Wire lock  
**1011005** Wire 4 mm



**1011001** Discs Ø 100  
**1011004** Donut Floats

Our goal is 100%  
customer  
satisfaction

Malmsten – swimming hall specialists with over 40 years  
experience in the development of swimming pool equipment.  
Explore the full product range at [www.malmsten.com](http://www.malmsten.com)

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