

# Gold PRO® the Official Lane Line for WORLD AQUATICS

90,50% Wave Energy Damping  
4 mm Stainless Steel Wire  
Ergonomic Take-up Reel and Wrench

## Malmsten Gold PRO® Racing Lane Line - Ø 150 mm

Art. No. 1010012

**This is the new championship Lane Line and the result of many years of R & D.**

Gold PRO® is the Official WORLD AQUATICS racing lane line and was introduced at the World Championships in Gwangju 2019. Malmsten Gold PRO® is the best wave breaker and turbulence control on the market for superior wave reduction. With wave energy damping over 90 percent it is perfect for all level competitions as well as training.

Gold PRO® with the latest PRO-discs and PRO-floats is the best wave reduction. The improved functionality is based on the proven Malmsten flow-through design by allowing wave energy to be dispersed along the length of the lane line. Gold PRO-discs and PRO-floats are with a new pattern, optimizing even more wave reduction capacity.

### Reasons for choosing Malmsten Gold PRO® :

- Wave-reducing racing lane line, the construction causes the wave to break down inside the line, "wave depleting technology." The wave does not go through, under or over the line.
- The disc pattern, with dual function has larger holes for smoother water flow-through as well as better wave energy absorption.
- Perfect water position for optimal water turbulence control thanks to greater weight.
- Gold PRO® discs are wider and heavier for absorbing energy better, which means more strength to handle tough waves.
- The PRO floats have a unique design with special ridges that work together with the discs to increase wave reduction. The ridge design helps to break down the wave.
- The outer ring on the disc has been slimmed down in the middle between the blades for increased water flow-through.
- The inner ring has increased in size for catching the wave and increasing the weight of the disc.
- The lane line has a flexible and strong wire and together with the tension spring it makes it possible to absorb high-point loads.
- A Swedish-made quality product where we have also focused on the work environment. Assembled by Linus, our robot, so no "human factor errors".

### Product information:

**Gold PRO® Racing Lane Lines, the International Competition Standard in accordance with WORLD AQUATICS regulations. Official Lane Line for WORLD AQUATICS, LEN and PanAm Aquatics competitions.**

**Wave Energy Damping:** 90,50%

**Discs:** Ø 150 mm.

Latest industry polyethylene, reinforced with highest color fastness with UV protection.

**Floats:** Ø 80 mm. Long lasting polyethylene with UV protection.

**Wire:** 4 mm. Stainless steel, flexible and strong.

**Lengths:** 25 or 50 meter, and custom lengths.

**All Malmsten Lane Lines are delivered fully assembled with Take-up Reel, Tension Spring and Ratchet Wrench.**

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# The design of Malmsten Gold PRO® is a result based on studies done on wave-energy damping at KTH, Sweden.

## Functionality

- Water turbulence control
- Superior wave reduction
- Latest PRO-discs and PRO-floats
- "Wave-depleting technology"
- Original Take-up reel – a precision tool
- Best water positioning

## Environmental Sustainability

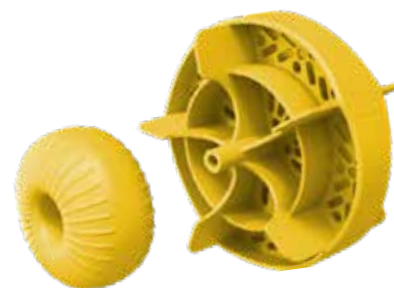
- Extended durability
- May be recycled at end of product life
- Discs and floats have no traces of heavy metals
- Assembly process with minimum carbon footprint

## Durability

- Latest industry MD polyethylene
- Softer material to avoid discomforting cracks in material
- Best color fastness 8/8
- Industry best UV-protection 8000ppm
- Best wire solution on the market, strong, safe and flexible wire, stainless steel 316. Thickness Ø 4 mm

## More material thus better functionality

| Gold PRO® | Discs  | Competition line | Wave energy damping | Weight | Incl. Take-Up reel and Tension Spring |
|-----------|--------|------------------|---------------------|--------|---------------------------------------|
| 50 m      | 150 mm | Yes              | 90,50 %             | 96 kg  | Yes                                   |
| 25 m      | 150 mm | Yes              | 90,50 %             | 49 kg  | Yes                                   |



## Better material for durability

| Discs and floats | Material     | Color fastness | UV stab. | Anti-oxidant protection | Free of heavy metals | Stress tested | Wire PRO Flexible & Strong |
|------------------|--------------|----------------|----------|-------------------------|----------------------|---------------|----------------------------|
|                  | Polyethylene | 8 on 8 / Yes   | 8000ppm  | Yes                     | Yes                  | Yes           | ss316, 4 mm, 7x7 threads   |

## All Malmsten Lane Lines are delivered fully assembled with:

**Take-up Reel:** Frame and Cogwheel Stainless Steel. Rolling mechanism in blue Polyamide.

Protective Cover in polyethylene.

**Tension Spring:** Stainless steel.

**Ratchet Wrench:** Stainless Steel with fiber-reinforced plastic handle.



Take-up Reel



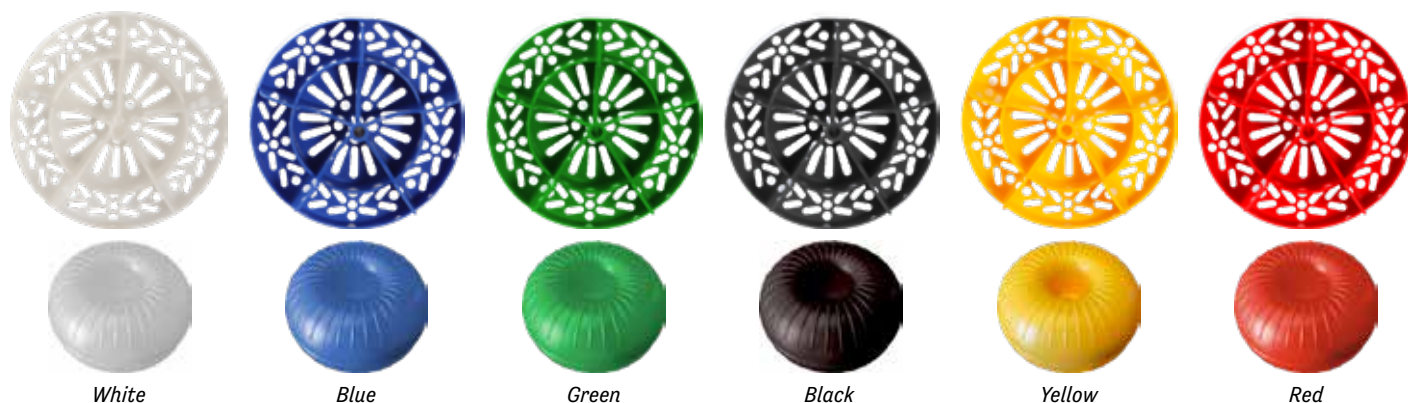
Tension Spring



Ratchet Wrench

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## Color options:



### Competition Standard in accordance with WORLD AQUATICS regulations

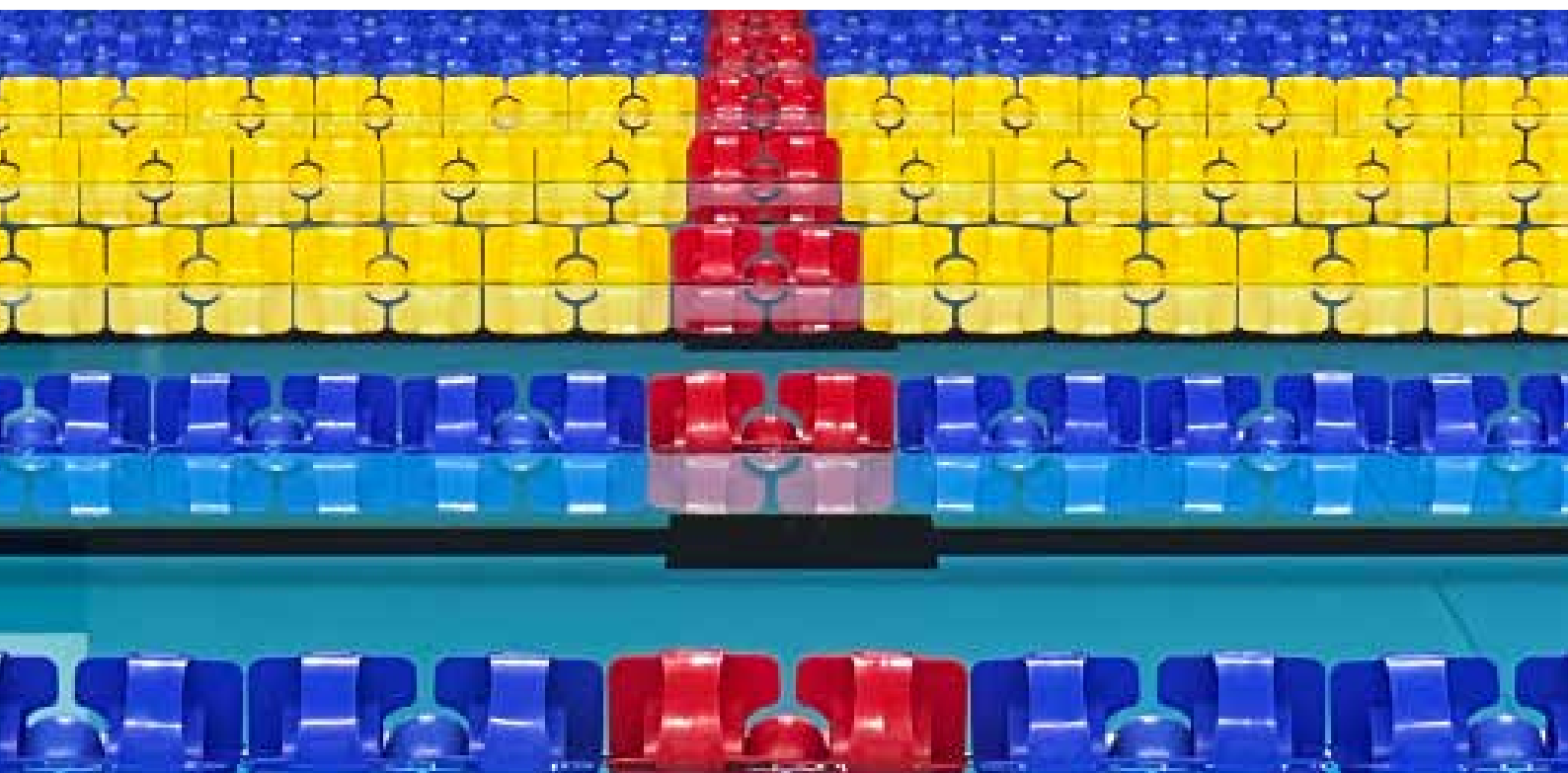
3 leading lane lines in yellow, followed by 4 or 6 blue and the two outer lines green

#### Marking:

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



All Malmsten racing lane lines are delivered with red markings.  
Custom colored markings upon request



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