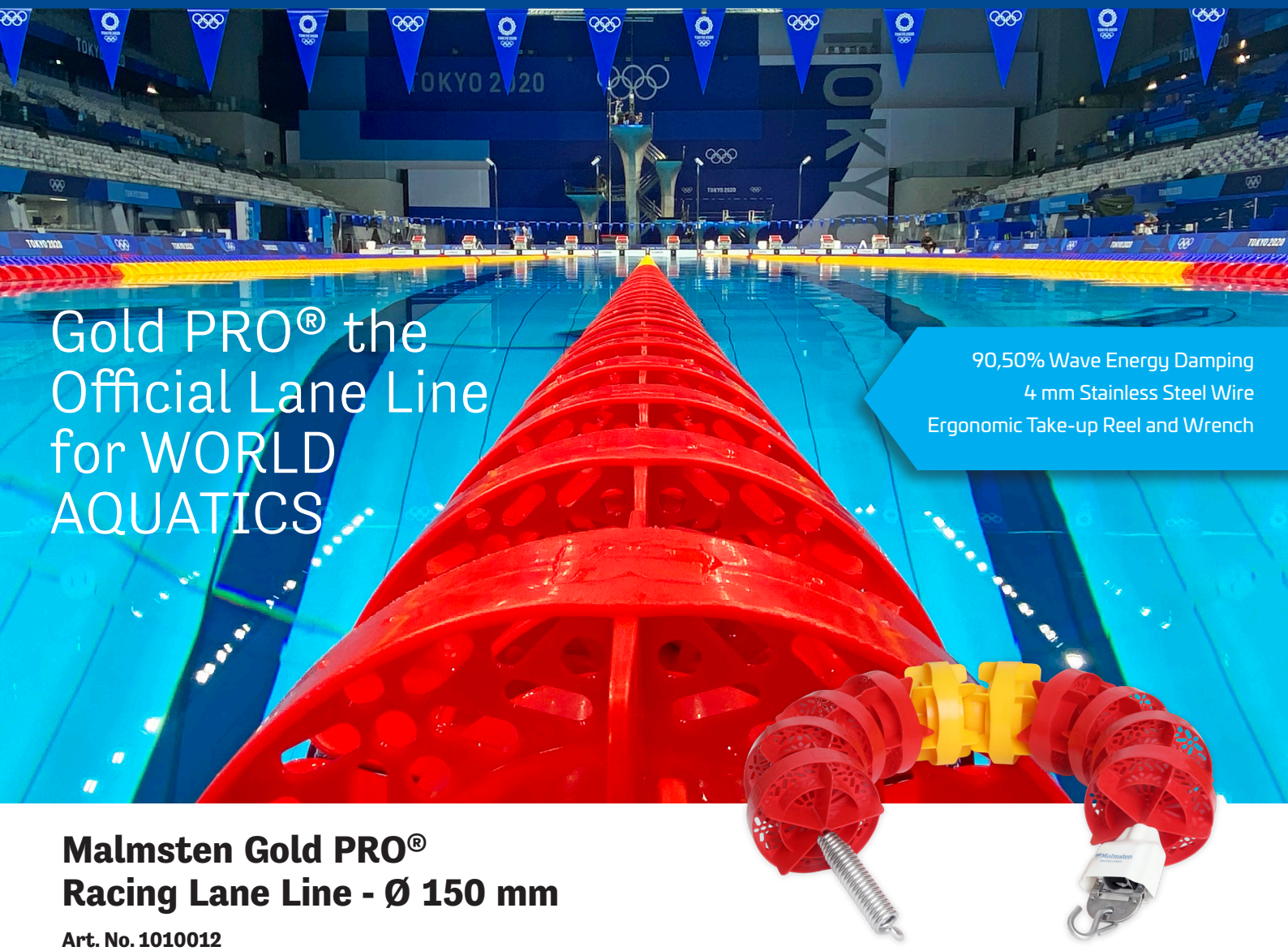


Gold PRO® the Official Lane Line for WORLD AQUATICS

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 Competiton Standard in accordance with WORLD AQUATICS regulations. Official Lane Line for WORLD AQUATICS, European Aquatics 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 Rachet Wrench.

v40-26EN

Official Supplier

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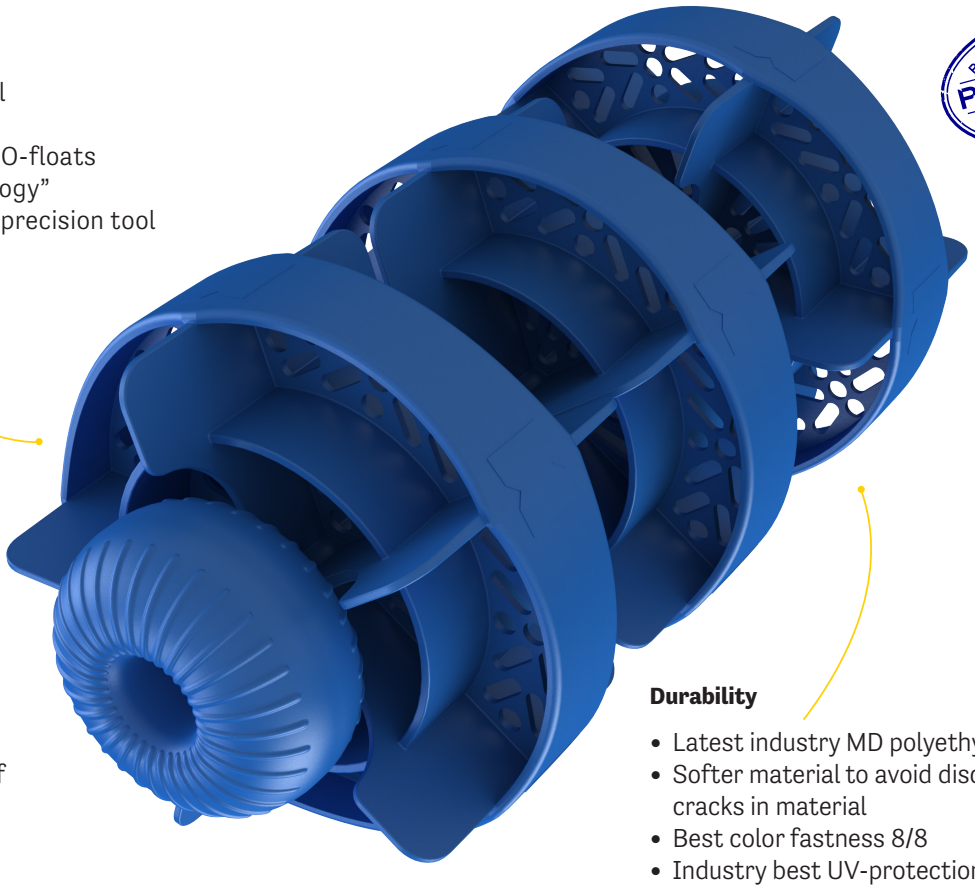
WORLD AQUATICS EUROPEAN AQUATICS PANAM AQUATICS

Malmsten

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



Enviornmental Sustainability

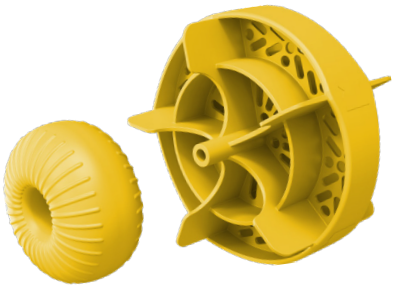
- Extended durability
- May be recycled at end of product life
- Discs and floats have no traces of heavy metals
- Assembly process with minimum carbon footprint

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 black Polyamide. Protective Cover in polyethylene.
Tension Spring: Stainless steel.
Rachet Wrench: Stainless Steel with fiber-reinforced plastic handle.



Take-up Reel



Tension Spring



Rachet Wrench

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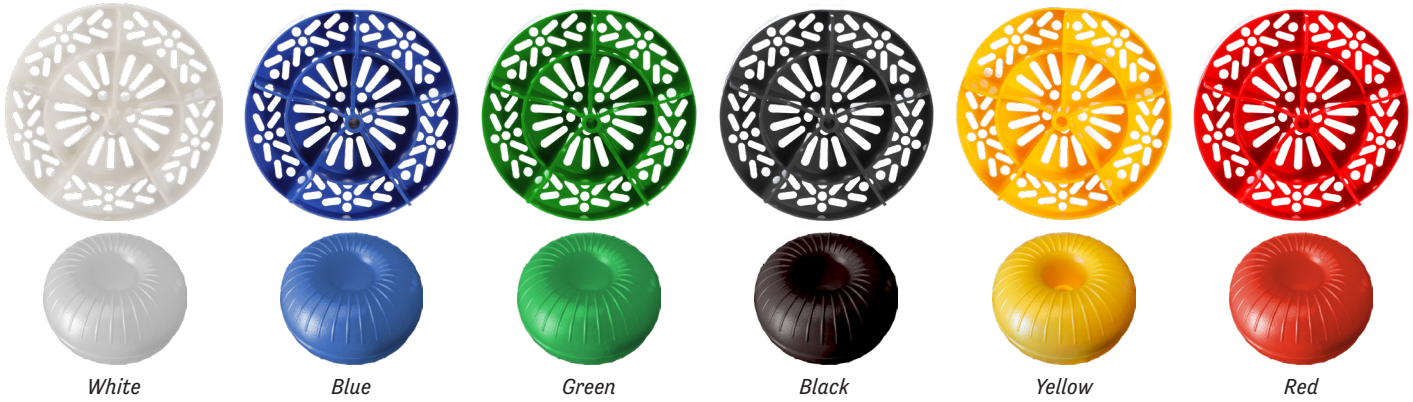
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Malmsten

Color options:



Competition Standard in accordance with World Aquatic regulations:

World Aquatics standard 25 m: 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



World Aquatics standard 50 m: 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)



Malmsten Gold PRO® 25 m: Blue and White - 80 cm color segments

Marking:
Red: 5 m each end
Red: 15 m



Malmsten Gold PRO® 50 m: Blue and White - 80 cm color segments

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



Custom design: Example: Black and yellow - 40 cm color segments

Marking: Custom



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

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