

Trelleborg



TM700 ProgressiveTraction® Where no tire has gone before



Timeline: Tuesday, December 9th 2014. 04.30 a.m. CET.

For the first time ever, a tractor fitted with pneumatic agricultural tires reaches the South Pole. The TM700 ProgressiveTraction® provided the MF 5610 with the performance to drive the 5,000 km required to reach the South Pole and back - where no farm tire has gone before (www.antarcticatwo.com). For the first Antarctica mission, in 1958, the MF tractor was fitted with tracks because the requested performance could not be achieved with a conventional tire. Today's new generation of Trelleborg tires provides the extra grip, traction and premium flotation required, whether in the field, on the road or even on the South Pole.

ProgressiveTraction® on agricultural tires, for all tractors between 100 and 240hp.

Leading tractor manufacturers are constantly developing the middle range tractor lines, demanding extra traction performance and fuel efficiency from the tires, with limited space for larger tires. The TM700 ProgressiveTraction® is the answer. High-performing and resource-saving, helping you optimize your yield.

Performance for farmers, efficiency for the field



The advanced manufacturing process of the TM700 ProgressiveTraction® incorporates key patents and innovative production procedures, developed in order to help farming professionals optimize their operational yield.

The new range focuses on advanced product engineering, which includes:

- new material solutions
- advanced tread and bead concepts
- new sidewall designs
- optimized manufacturing procedures



**PREMIUM
TRACTION**



**SUPERIOR
FLOTATION**



**REDUCED
FUEL
CONSUMPTION**



**EXCELLENT
SELF CLEANING**

The key features of ProgressiveTraction®

The unbeatable performance of the Trelleborg ProgressiveTraction® is testament to its innovative double edge lug.

While its two points of anchorage boost grip, the stronger base of the lug significantly reduces vibrations, wear and fuel consumption.

In addition, the double edge lug also enhances the inter-lug terraces, maximising the self-cleaning capability of the tire.

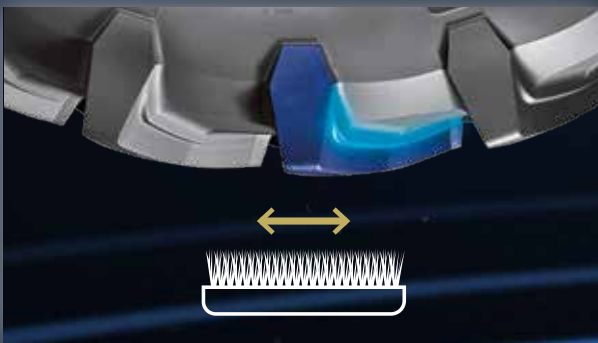




1

Dual anchor, better grip

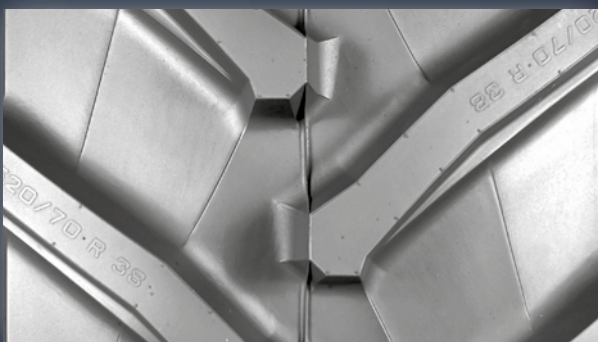
The “double edge” increases the grip on the soil, improving traction while reducing slippage.



2

Reduced vibration, less fuel consumption

For a standard tire, the lug behaves like a “brush”. This accelerates the wear and increases the rolling resistance. The wider base of the ProgressiveTraction® lug ensures a higher resistance to lug vibrations.



3

Enhanced self cleaning, higher traction

The extra lug behaves as an additional terrace on the tread profile enhancing its great self cleaning capability and increasing the lug efficiency.

Redefining traction performance

The higher grip of TM700 ProgressiveTraction® is driven by the dual anchor of the lug. The advanced design greatly reduces the tire slippage ensuring maximum traction. The ProgressiveTraction® technology boosts traction capability by up to 18%.

Traction performance - Index *Higher is better*



Reference size: 520/70R38



Maximum flotation, extra wide footprint

The additional lug base surface reduces sinking of the tire in the soil. In addition, the empowered sidewall flexibility leads to the widest footprint in the market, reducing soil compaction.

Footprint comparison - Index

Higher is better

+8%
wider footprint
vs. the market average



Reference size: 520/70R38
Load: 3.350 kg
Inflation pressure: 1,6 bar

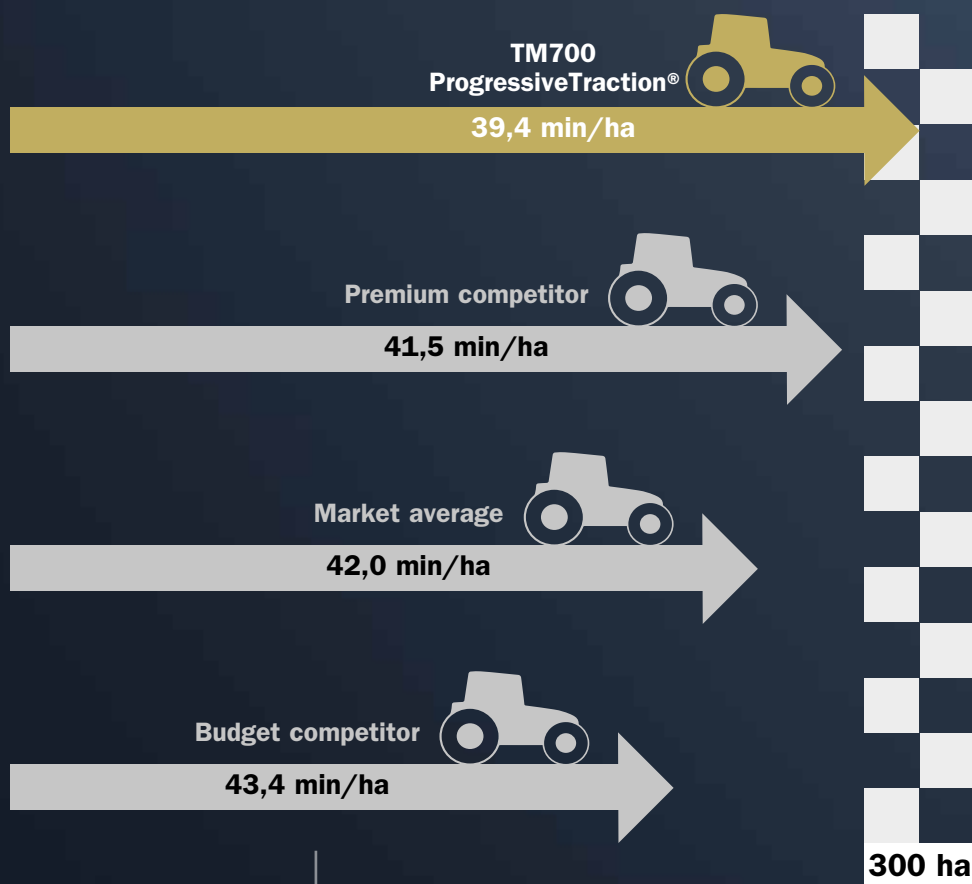


Great cost savings in the field

During high torque operation, the TM700 ProgressiveTraction® tire performs better than premium brand competitors and significantly better than the market average. The reduced working time per hectare results in premium cost efficiency.

Time to plough 300 ha

Lower is better



**Up to 13 hours and 1.220 € saved
vs. the market average**

Soil condition: 40% sand, 35% loam, 25% clay

Humidity: 15%

Slippage: 5% - 20%

Average working costs per hour = 95 €

Including cost evaluation related to the tire wear performance

Extra mileage and low fuel consumption

The reduced “brush” effect of the lug prevents the energy dissipation, positively influencing the rolling resistance. With this reduction of wasted energy, the fuel consumption is reduced and the lifetime of the tire increases by as much as 780 hours, compared to the market average. The outcome is a reduced total cost of ownership of the tire.

Fuel consumption on the road - Index

Lower is better

100



TM700
ProgressiveTraction®

104



Premium Competitor

120



Market average

137



Budget Competitor

- 2.130 €

after 1.000 hours
vs. the market average

Your TM700 ProgressiveTraction®
uses 10% less fuel
and lasts 780 hours more
than the market average



Reference size: 520/70R38 - 420/70R28

50% road, 50% field - Tractor: 180 hp - Fuel cost: 1.1 €/lt - Rear axle: Single fitment - 2 tires

Premium comfort and handling on the road

Compared to the market average, the TM700 ProgressiveTraction® tire provides you with better handling and safety performances.

The new lug design avoids vibrations and assures premium comfort, essential for long and demanding farming operations.

In addition, the TM700 ProgressiveTraction® helps lower noise levels, benefiting both the operator and the surrounding community.

Driver comfort and handling - Score

Higher is better

9,0



**TM700
ProgressiveTraction®**

8,7



**Premium
Competitor**

8,1



Market average

7,5



**Budget
Competitor**



TM700 ProgressiveTraction®

Size	Tread Pattern	SW mm	OD mm	SLR mm	RC mm	SRI	Rim	Permitted Rims	Type	Tube
380/70R28 127D	TM700 ProgressiveTraction®	370	1300	585	3880	625	W12	W11 - W13 - DW11 DW12 - DW13	Tubeless	12.4-28 TR218
420/70R28 133D	TM700 ProgressiveTraction®	415	1355	610	4070	650	W13	W12 - W14L - DW12 DW13 - DW14L	Tubeless	16.9-28 TR218
480/70R28 140D	TM700 ProgressiveTraction®	480	1430	640	4255	675	W15L	W14L - W16L - DW14L DW15L - DW16L	Tubeless	16.9-28 TR218
480/70R30 141D	TM700 ProgressiveTraction®	475	1485	655	4450	700	W15L	W14L - W16L - DW14L DW15L - DW16L	Tubeless	18.4-30 TR218
480/70R34 143A8 (143B)	TM700 ProgressiveTraction®	475	1585	716	4760	750	W15L	W14L - DW14L - DW15L W16L - DW16L	Tubeless	16.9-34 TR218
480/70R34 155A8 (155B)	TM700 ProgressiveTraction®	475	1580	727	4775	750	W15L	W14L - DW14L - DW15L W16L - DW16L	Tubeless	16.9-34 TR218
480/70R38 145D	TM700 ProgressiveTraction®	490	1690	755	5050	800	W15L	W14L - W16L - DW14L DW15L - DW16L	Tubeless	18.4-38 TR218
520/70R38 150D	TM700 ProgressiveTraction®	525	1755	790	5255	825	W16L	W15L - W18L DW15L - DW16L - DW18L	Tubeless	18.4-38 TR218
580/70R38 155D	TM700 ProgressiveTraction®	590	1835	820	5455	875	W18L	DW18L	Tubeless	20.8-38 TR218
580/70R42 158D	TM700 ProgressiveTraction®	585	1905	850	5695	900	W18L	DW18L	Tubeless	20.8-42 TR218
620/70R42 166D	TM700 ProgressiveTraction®	630	1930	870	5820	925	DW20B	DW18L - W18L	Tubeless	

The information and technical data provided in this catalogue are indicative and may be subject to change without prior notice. For up-to-date data and official product specifications, please refer to the product technical sheet available through your sales representative.



Shop our tires online



**Discover our website
and your legal guarantee rights**

Follow us

