

Trelleborg



TM800 PowerFlex

Maximum performance, anywhere

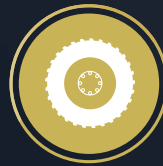
Designed for today's mid- to high-power tractors operating under intense conditions, the TM800 PowerFlex combines outstanding field performance with excellent on-road behavior. Its newly developed tread pattern - which incorporates the proven ProgressiveTraction® lug design - works in synergy with the advanced VF-PFO (Very High Flexion - Pressure Field Operations) construction to deliver superior traction, reduced soil compaction, and lower fuel consumption during demanding agricultural operations. At the same time, the inclusion of a central rib inspired by road tire geometry enhances stability, steering precision, and ride comfort during transport. The result is a high-efficiency tire that performs exceptionally in all working conditions, from field to road.



**PREMIUM
TRACTION**



**EXTENDED
TIRE LIFE**



**MAXIMUM
FLOTATION**



**LOW FUEL
CONSUMPTION**



**ENHANCED ROAD
BEHAVIOUR**

TM800 PowerFlex

Smart design, real benefits, advanced features



Dedicated design, improved drivability

The new central rib inspired by road tire geometry improves stability, precision, and driving comfort during transport.



Highest flexibility, best productivity

The strong casing with VF-PFO construction absorbs the stresses transmitted during different heavy-duty operations without compromising flexibility, which is essential for driving comfort at very low pressures and tire durability.



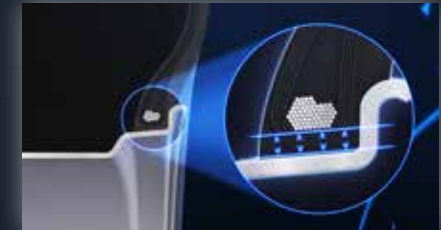
Enhanced self cleaning, higher traction

New interlug terraces with variable heights and redesigned profile improve self-cleaning, boost traction, and ensure superior performance in wet, muddy conditions.



Dual anchor, superior grip

The "double edge" makes grip on the soil in heavy tillage more effective, reducing the lug's slippage effect.



Most advanced technology, better fitment

The bead layout makes mounting easier but without compromising the excellent anti-slipping capability of Trelleborg tires.

Unparalleled VF-PFO advantages

More loads, less compromise

The VF-PFO construction of the TM800 PowerFlex is specifically engineered to deliver outstanding performance both in the field and on the road, even under the heaviest working conditions. PFO (Pressure Field Operation) allows lower inflation pressure at speeds up to 15 km/h during field work, while VF technology supports higher load capacity at speeds up to 65 km/h. This leads to enhanced traction, reduced fuel consumption, and lower soil compaction, resulting in greater soil protection.

up to -0.35 bar

Lower inflation pressure in field operation
vs Standard technology



up to 40%

Higher load at nominal condition
vs Standard technology



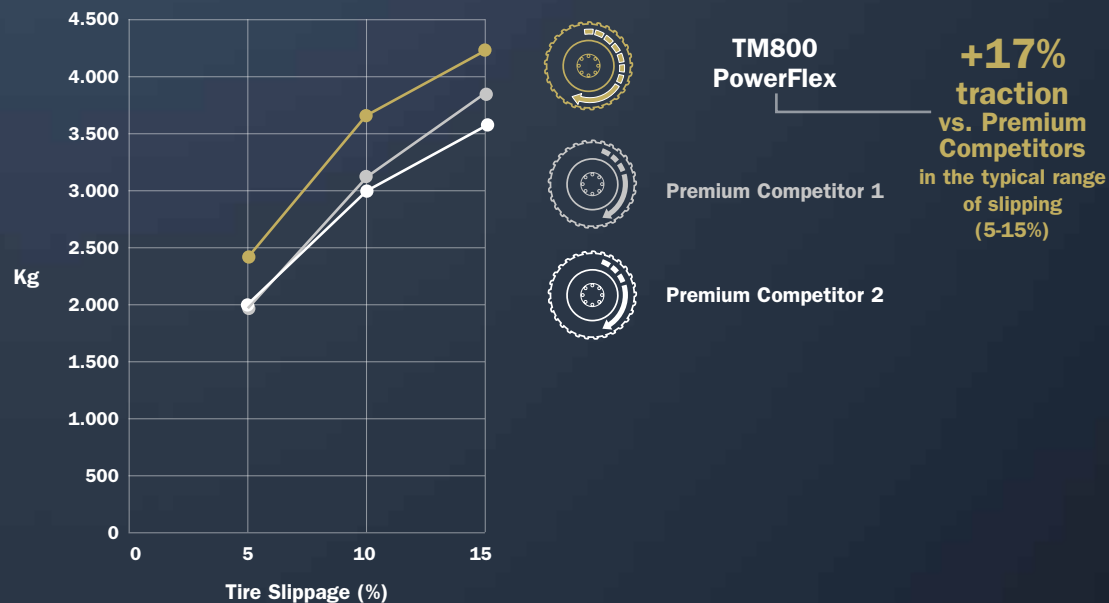
Example: 650/65R38

	Technology	Load [kg]	Speed [km/h]	Inflation Pressure [bar]
	STD	5.440	10	1.3
	VF			1.2
	VF-PFO			1.0

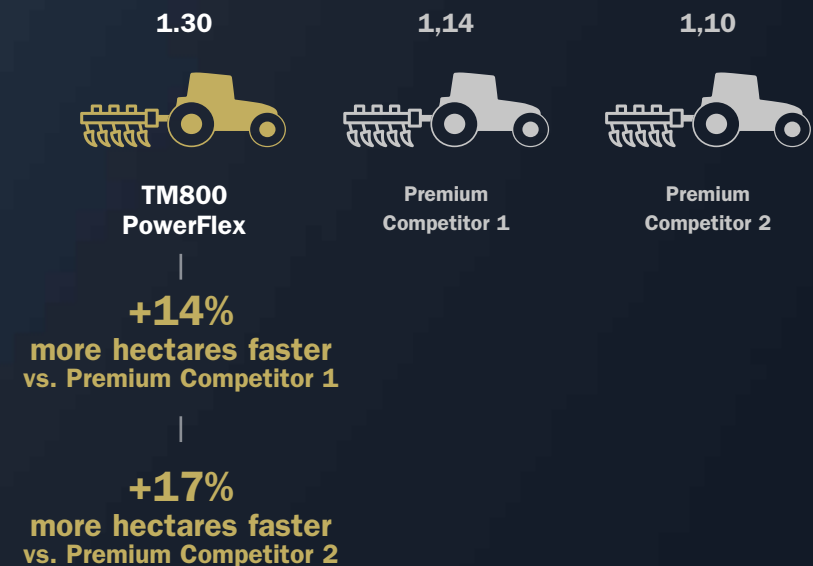
Tested for maximum traction

Field tests demonstrate the real-world advantages of TM800 PowerFlex tire. Designed to enhance traction and efficiency, it delivers up to 17% more traction at typical slip levels under PFO conditions. In comparative tests against leading premium tires, this extra traction translates directly into faster, more efficient plowing, helping agricultural professionals get more done with less fuel and reduced soil compaction. These results show how advanced tire design can make a tangible difference in daily field operations.

Traction force Higher is better



Plowing efficiency - ha/h Higher is better



Test conditions

Tire size: 650/65R38 - Tire pressure VF-PFO: 1.0 bar - VF: 1.2 bar - Load: tot. 10,000 kg; rear axle 6,795 kg (68% tot.)
Transmission set point: 2wd - Speed: 5,85 km/h ($\pm 0,05$ km/h) - Field: pre worked then compacted by passing convoy - Moisture 16%

Combined forces for maximum grip

The exceptional traction of TM800 PowerFlex comes from the combination of its innovative dual-anchor tread with central rib and VF-PFO construction. Comparative tests show how each element contributes to overall traction, reducing slippage and delivering more efficient plowing, smoother field operations, and improved fuel efficiency.

Traction Index - Tread Pattern & VF-PFO Structure
Higher is better

Tread pattern	100	+10% tread pattern effect	90	+10% tread pattern effect	90
Structure	100	+4% tire casing advantage	96	+7% tire casing advantage	93
	TM800 PowerFlex		Premium Competitor 1		Premium Competitor 2



Lightness for lasting productivity

The extended footprint of TM800 PowerFlex ensures the tire remains light on the ground while spreading the load evenly. This reduces soil stress and minimizes compaction, helping to preserve soil structure for long-term productivity. Comparative tests with premium competitor tires confirm the effectiveness of the PowerFlex design.

Footprint - mm²
Higher is better

2.975



**TM800
PowerFlex**

2.840



**Premium
Competitor 1**

2.734



**Premium
Competitor 2**

+5%

**extended footprint
vs. Premium Competitor 1**

+9%

**extended footprint
vs. Premium Competitor 2**



Test conditions

Tire size: VF 650/65R38 - Tire Pressure VF-PFO: 1.0 bar - VF: 1.2 bar - Load: 3.000 kg

Redefining road performance

Proven in every mile

The TM800 PowerFlex redefines road performance by offering lower rolling resistance, superior driving comfort, and extended tire life compared to competitor products. Its optimized tread design and advanced internal construction reduce fuel consumption and enhance road handling, while also delivering longer service life. These combined benefits ensure greater cost-efficiency, maximizing the overall return on investment.

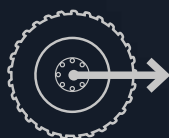
Rolling Resistance - Index *Lower is better*

94



**TM800
PowerFlex**

100



**Premium
Competitor**

-6%

**rolling resistance
vs. Premium Competitor**

Roadability - Index *Higher is better*

100



**TM800
PowerFlex**

95



**Premium
Competitor**

+5%

**better handling
on the road
vs. Premium Competitor**

Tire life - Index *Higher is better*

100



**TM800
PowerFlex**

80



**Premium
Competitor**

**Up to +20%
extended tire life
vs. Premium Competitor**

Test conditions

Tire size: 650/65R38

VF-PFO conditions for TM800 PowerFlex and Standard conditions for Competitor

Less vibration, smoother rides, real results

Road comfort has been validated through dedicated tests using sensors in accordance with ISO 2631 standards. These measurements confirm that TM800 PowerFlex significantly reduces vibrations during transport compared to leading competitors.

The result is a smoother ride, less operator fatigue, and greater comfort over long distances-helping farmers work more efficiently and safely on the road.

Road comfort - mm/sec²
Lower is better

0,47



**TM800
PowerFlex**

0,52



**Premium
Competitor**

+10%
driving comfort
vs. Premium Competitor



ProgressiveTraction® Trusted. Tested. Guaranteed.

5,000 hours of guaranteed performance.



TM1060

TM1000
ProgressiveTraction®

TM900
ProgressiveTraction®

TM800
ProgressiveTraction®

TM800
PowerFlex

Trelleborg **ProgressiveTraction®** tires - available in the **TM1060**, **TM1000**, **TM900** and **TM800** ranges - are engineered to deliver superior traction, reduced slippage, and maximum durability. Now offered for rear axle, with **up to 5,000 hours** of certified tread wear performance.

Offer valid exclusively upon registration to the Premium Care Program at premiumcare.trelleborg-tires.com



Innovation meets the soil

TM800 PowerFlex effectively adapts to the latest smart and precision farming technologies, being designed to operate at low pressure to maximize the use of the CTIS (Central Tire Inflation Pressure) system.

To be even closer to the farmer, each tire has a QR code that allows the user to easily obtain all the information about the product.



Size	Tread Pattern	SW mm	OD mm	RC mm	SRI	Rim	Permitted Rims	Type
VF 480/65R28 PFO 148D (154E)	TM800 PowerFlex	479	1335	4025	650	DW16L	DW15 NRO	Tubeless
VF 540/65R28 PFO 154D (151E)	TM800 PowerFlex	549	1413	4240	675	DW18	DW16 NRO	Tubeless
VF 600/65R28 PFO 159D (156E)	TM800 PowerFlex	597	1491	4447	700	DW21B	DW20 - DW18 NRO	Tubeless
VF 600/65R38 PFO 164D (161E)	TM800 PowerFlex	587	1745	5210	825	DW21B	DW20 - DW18 NRO	Tubeless
VF 650/65R38 PFO 169D (166E)	TM800 PowerFlex	650	1811	5395	875	DW23	DW20 NRO	Tubeless
VF 710/70R38 PFO 178D (175E)	TM800 PowerFlex	705	1959	5765	925	DW25B	DW23B	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.



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