



PRESS RELEASE

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New MICHELIN X-CRANE 2: a new crane tire size

- Michelin is extending its crane tire range with a new size: MICHELIN X-CRANE 2 445/95 R 25
- A tire that allows for carrying heavier loads more quickly, thanks to a new load and speed index (178F)
- Lifespan, traction, and even safety: improved performances thanks to the MICHELIN REGENION technology

Following an initial size launched with the constructor Spierings in summer 2024 (445/75 R 22.5), Michelin is launching a new tire size: MICHELIN X-CRANE 2 445/95 R 25.



This tire has been designed for mobile and all-terrain cranes, for use on- and off-road. Boasting over 10 years of expertise from Michelin specialists and industry leaders, it combines a civil engineering casing with a truck tire tread. In fact, Michelin has worked on multiple prototypes and performed cutting edge tests in order to arrive at this final version that is unique on the

market.

This innovative tire is 5% lighter⁽¹⁾ than its predecessor, the MICHELIN X-CRANE +. It allows vehicles to move faster while carrying heavier loads thanks to its new load and speed index, changing from 174F to 178F (an experimental standard filed with the ETRTO). MICHELIN X-CRANE 2 can carry 800 kg (17645 lbs.) more per tire when traveling at 80 kph (50 mph). This increased load capacity represents an additional load of 1.6 metric tons per axle⁽²⁾.

MICHELIN X-CRANE 2 benefits from optimized braking performances for heightened safety. Multiple wet braking tests have actually been performed, and these show that, compared to the new MICHELIN X-CRANE 2, the main competitor has to brake 27% longer⁽⁴⁾.



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This MICHELIN X-CRANE 2 tire, which is M+S certified, also offers better control to avoid obstacles and accidents on both dry and wet ground, and even in the mud or snow.

The tread integrates the Michelin REGENION technology, which uses metal 3D printing to create self-regenerating treads. Thanks to this technology, the tread lifespan is improved, thus allowing for constant grip and performances throughout the life of the tire, regardless of the conditions⁽³⁾. Lastly, this technology allows the MICHELIN X-CRANE 2 tire to reduce fuel consumption by over 13%, i.e., a saving of approximately 826 liters (218 US gal.) of fuel and EUR 1,321.60 for a crane traveling 10,000 km (6214 miles)⁽⁵⁾.

The new MICHELIN X-CRANE 2 2 445/95 R 25 size is homologated for numerous machines on the both the European and American market:

- LTM, LTC, and LG from Liebherr
- GMK from Grove
- AC from Tadano
- AT models from Linkbelt for the US market.

(1) For the 445/95 R 25 size

(2) MICHELIN X-CRANE 2 tire, index 178F. Compared to the MICHELIN X CRANE + and competitors classified under the 174F ETRTO Experimental Standard, identifiable by the HLM mark.

(3) Load capacity performance comparison tests based on the load and speed indices.

(4) The main competitor, BRIDGESTONE VHS2, has to brake 27% longer than the MICHELIN X-CRANE 2, increasing the stopping distance by 10.5 m (34.5 ft.), i.e. 2-3 car lengths. The results are based on tests certified by Dekra at the Michelin test center in Ladoux in November 2024, comparing the Michelin X-Crane 2 and Bridgestone VHS2 tires in size 445/95R25. The tests followed the same protocols, configurations, and vehicles.

(5) ETRTO experimental standard, identifiable by the HLM mark. The results are based on tests certified by Dekra at the Michelin test center in Ladoux in November 2024, comparing the Michelin X-Crane 2 and Bridgestone VHS2 tires in size 445/95R25. The tests followed the same protocols, configurations, and vehicles. The average petrol price is estimated at EUR 1.60 per liter in Europe. The prices may vary depending on the country, due to taxes, production costs, energy policies, and the currency used.



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Photos and/or attachments available on:

<https://contentcenter.michelin.com:443/dam/wedia/shared-board/458b6584-1d9e-435e-bc99-ccc1cf5dc23d>

About Michelin:

Michelin is building a world-leading manufacturer of life-changing composites and experiences. Pioneering engineered materials for more than 130 years, Michelin is uniquely positioned to make decisive contributions to human progress and to a more sustainable world. Drawing on its deep know-how in polymer composites, Michelin is constantly innovating to manufacture high-quality tires and components for critical applications in demanding fields as varied as mobility, construction, aeronautics, low-carbon energies, and healthcare. The care placed in its products and deep customer knowledge inspire Michelin to offer the finest experiences. This spans from providing data- and AI-based connected solutions for professional fleets to recommending outstanding restaurants and hotels curated by the MICHELIN Guide. Headquartered in Clermont-Ferrand, France, Michelin is present in 175 countries and employs 129,800 people.

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