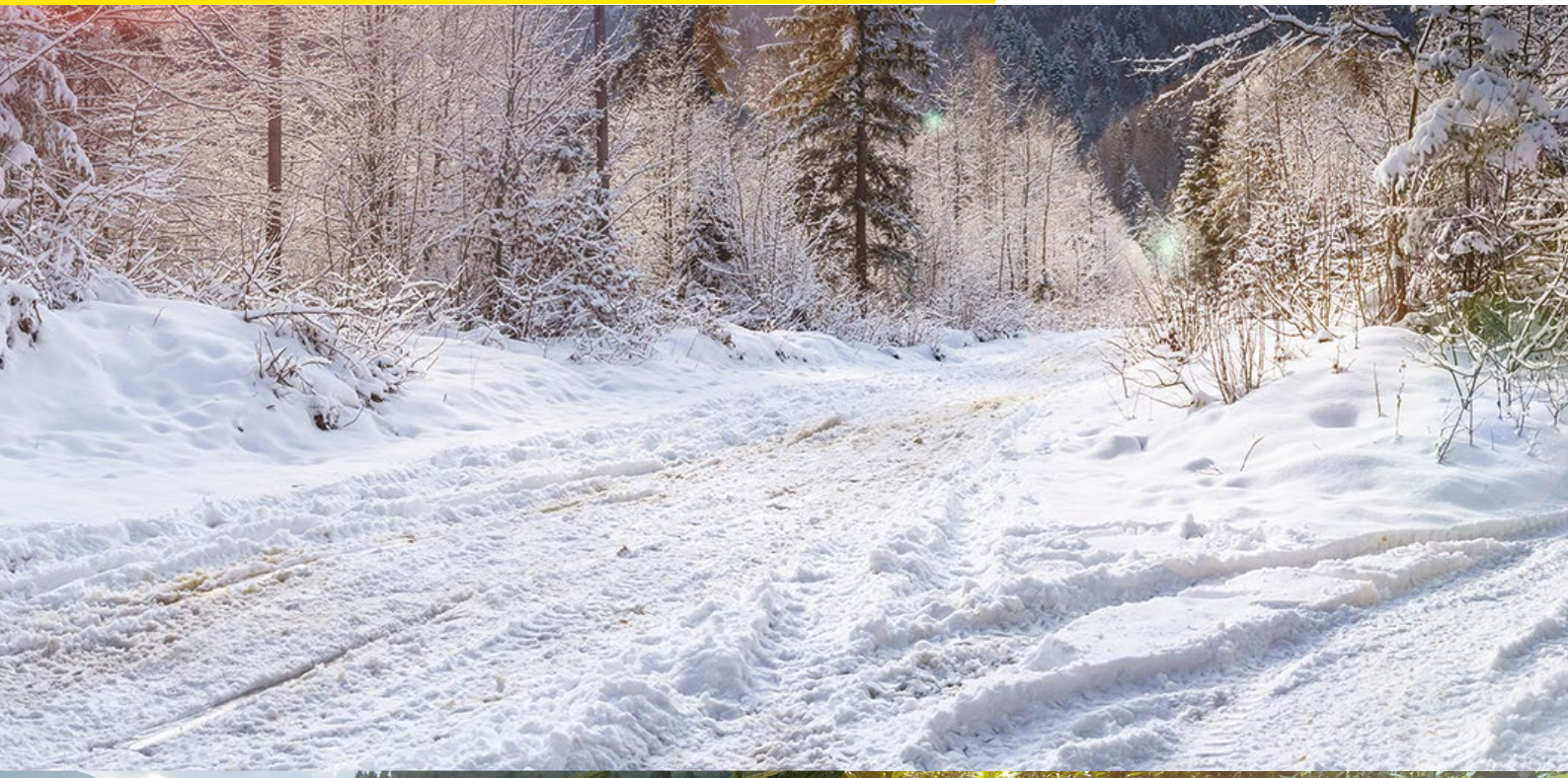
MICHELIN

# X® FORCE WINTER




2025-January

MICHELIN

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# X® FORCE WINTER

## HIGHLY VERSATILE TO INTERVENE EVEN FASTER IN ALL CONDITIONS

defense.michelingroup.com

### SPECIALLY DESIGNED FOR OFF-ROAD VEHICLES THAT DRIVE IN SEVERE WINTER CONDITIONS

#### SAFETY

- Grip in severe winter conditions
- Braking performance in snowy conditions
- Strength and reliability in soft soil conditions

#### MOBILITY

- Handling on winter & muddy conditions and on dry & wet roads
- Casing design to operate at various pressures thanks to its compatibility with CTIS
- Possibility to be chained

#### DURABILITY

- Tread life designed to last during several winter periods
- Resistance to accidental tears and cuts

### YOU DON'T HAVE A CTIS? (CENTRAL TYRE INFLATION SYSTEM)

TELEFLOW CALL OF MOBILITY

The Michelin group's TELEFLOW solutions have proven for many years their ability to be integrated on any type of military vehicle. TELEFLOW optimises the vehicle's mobility and thus ensures the safety of units deployed on any type of terrain - road, sand, field, track, mud, etc.

teleflow.net/en/military-defense/


**1 3D SIPES IN TREAD BLOCK PATTERN**
For grip on slippery surfaces

**2 STRONG SIDEWALL**
Designed to operate at various pressures thanks to its compatibility with CTIS

**3 DAMAGE-RESISTANT RUBBER**
Against tears & cuts

COMPATIBLE WITH CTIS from TELEFLOW CALL OF MOBILITY


# SAFETY

## Improved braking distance

**22%**(1)

scan me to watch video

**Braking distance from 70 km/h to 0 km/h *(from 43.5 mph to 0 mph)* between MICHELIN X® FORCE WINTER tyres vs MICHELIN X® FORCE ZL tyres**

# MOBILITY

## Better acceleration ratio

**24%**(2) **better than the MICHELIN X® FORCE ZL tyre**

According to the 3PMSF protocol(3)

# DURABILITY

**1.5%**(4) **Tread loss weight**

Result after 6 runs of 15 accelerations on rocky slope



(1) Conditions: Internal studies carried out in Michelin test tracks in Ivalo – Finland in March 2024. Vehicle = Rheinmetall HX2, 4x4 ; Total load: 19 090 kg/ 42 086 lbs; Studied size: 16.00 R 20. Studied ranges: MICHELIN X® FORCE WINTER vs MICHELIN X® FORCE ZL
(2) Conditions: Tests carried out in UTAC centre on February 15th, 2024, on VOLVO FM 42 TB 2018 vehicle. Average of 6 tests: Basis = 100 for Standard Reference Truck Tyre in 315/70 R 22.5, MICHELIN X® FORCE WINTER in 16.00 R 20 = 151, MICHELIN X® FORCE ZL in 16.00 R 20 = 122, MICHELIN XZL in 16.00 R 20 = 95
(3) 3PMSF (3 Peak Montain Snow Flakes) Protocol = Tyre snow performance according to acceleration method of UN/ECE regulation N°117- annex 7
(4) Conditions: full acceleration on a rocky slope/ Vehicle: RHEINMETALL HX2, 4x4; Total load: 12 260 kg/ 27 029 lbs; Tested size: 16.00 R 20. Study carried out in our Michelin Research & Development Centre of Ladoux - France in April 2024.

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## DATASHEET

| DESCRIPTION | | CAI | MSPN | NOMINAL LOAD PER AXLE (SINGLE TYRE) | | NOMINAL LOAD PER AXLE (DUAL TYRE) | | NOMINAL SPEED | | RECOMMENDED PRESSURE | | RECOMMENDED RIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | *KG* | *LBS* | *KG* | *LBS* | *KM/H* | *MPH* | *BAR* | *PSI* | |
| **14.00R20** | **X® FORCE WINTER TL 168/165K** | **908618** | - | 11200 | 24600 | 20600 | 45600 | 110 | 68 | 8.6 | 125 | 10.00W |
| **16.00R20** | **X® FORCE WINTER TL 174/171J** | **236088** | **83520** | 13400 | 29600 | 24600 | 54400 | 100 | 62 | 7.6 | 110 | 10.00W |