



MICHELIN REMIX

OPTIMIZE YOUR MICHELIN CASINGS

Since 1923, Michelin has **PIONEERED** the retreading of Truck tyres.

In 2023, Michelin is celebrating **100 YEARS** of retreading its Truck tyres in Europe.

UP TO 100%⁽¹⁾ MORE MILEAGE
LOWER MILEAGE COSTS

(1) The tread compound and pattern of the MICHELIN Remix® tyres are largely the same as those used for new MICHELIN tyres. 90% of the range of MICHELIN Remix® tyres uses the same mould and the same materials as new MICHELIN tyres which may lead to up to equivalent performance between MICHELIN Remix® tyres and new Michelin tyres. Internal evaluations carried out by the Michelin Research and Technology Center based on customer testimonials collected in Europe since 2015. (More details available from your usual Michelin contact.)



MICHELIN



BUSINESS EFFICIENCY REDUCE YOUR OPERATING COSTS

ENJOY THE BENEFITS OF A PREMIUM CASING

- Up to 100% more mileage⁽¹⁾
- Almost 9 out of 10 MICHELIN casings are accepted for MICHELIN Remix[®] retreading⁽²⁾
- Some MICHELIN sizes and treads can be retreaded twice with MICHELIN Remix[®] ⁽³⁾

REGROOVABLE

Maximize your fuel efficiency and improve your mileage potential⁽⁴⁾

EASIER FLEET MANAGEMENT

With its extensive catalogue of treads, Michelin helps you adapt to changes in your vehicle usage



SAFETY MAINTAIN QUALITY AND RELIABILITY

MICHELIN REMIX[®] RETREADED TYRES USE MICHELIN MATERIALS, Long Lasting Performance technologies and MICHELIN manufacturing procedures

SAME KEY PERFORMANCES AS NEW MICHELIN TYRES

With MICHELIN Remix[®] retread tyres you have the same main characteristics in terms of safety, traction and grip as MICHELIN new tyres⁽¹⁾

MULTIPLE CHECK POINTS

Professionals who have completed a 2-year certificate course check each retreaded tyre.

- . X-ray examination,
- . Shearography,
- . RFID reading,
- . Inspection for distortions,
- . Detection of micro-perforations,
- . Final test when inflated to 10 bar pressure



ECOLOGY PROTECT THE ENVIRONMENT

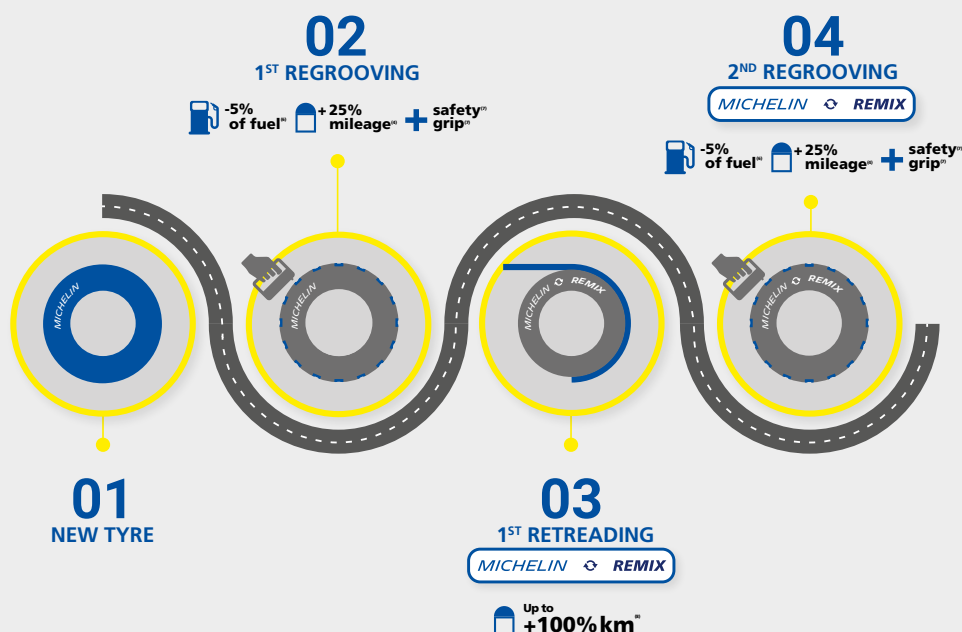
50 KG⁽⁵⁾ RAW MATERIALS SAVED PER TYRE ON AVERAGE, AND LESS WASTE TO PROCESS

MICHELIN Remix[®] retreading only requires an additional 20 kg of raw materials on average, equivalent to a saving of 70% compared with the production of a new MICHELIN tyre



















































CERTIFIED TRACEABILITY AND SIMPLIFIED MANAGEMENT


All of the MICHELIN Remix[®] plants are ISO 9001 and ISO 14001 certified, guaranteeing optimum quality management and environmental performance



THE BENEFITS OF MICHELIN MULTI-LIFE TYRES



MICHELIN REMIX RANGE

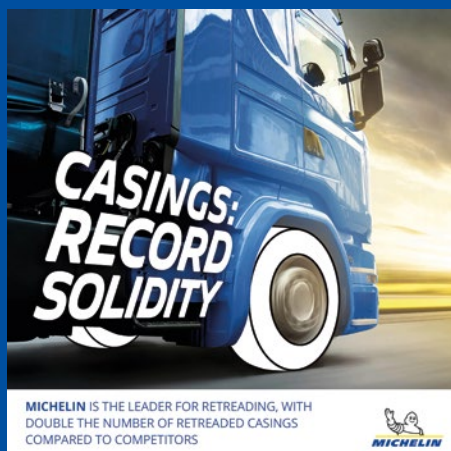
SIZE	POSITION	PATTERN	WINTER MARKINGS	LOAD/SPEED INDEX
				
SEAT 17.5				
215/75 R 17.5	T	MICHELIN X [®] LINE™ ENERGY™ T		135/133J
235/75 R 17.5	T	MICHELIN X [®] LINE™ ENERGY™ T		143/141J
245/70 R 17.5	T	MICHELIN X [®] LINE™ ENERGY™ T		143/141J
SEAT 19.5				
265/70 R 19.5	T	MICHELIN X [®] LINE™ ENERGY™ T		143/141J
445/45 R 19.5	T	MICHELIN XTA 2 ENERGY™	M+S 	160J
445/45 R 19.5	T	MICHELIN X [®] LINE™ ENERGY™ T		160K
SEAT 22.5				
275/70 R 22.5	T	MICHELIN XTA 2 ENERGY™		152/148J
295/60 R 22.5	D	MICHELIN X [®] LINE™ ENERGY™ D	M+S 	150/147L
315/60 R 22.5	D	MICHELIN X [®] LINE™ ENERGY™ D	M+S 	152/148L
315/70 R 22.5	D	MICHELIN X [®] LINE™ ENERGY™ D	M+S 	154/150L
315/80 R 22.5	D	MICHELIN X [®] LINE™ ENERGY™ D	M+S 	156/150L
355/50 R 22.5	T	MICHELIN X [®] LINE™ ENERGY™ T	M+S	156K
385/55 R 22.5	T	MICHELIN X [®] LINE™ ENERGY™ T		160K
385/65 R 22.5	T	MICHELIN X [®] LINE™ ENERGY™ T		160K
				
SEAT 17.5				
9.5 R 17.5	T	MICHELIN XTE 2		143/141J
205/65 R 17.5	T	MICHELIN X [®] MAXITRAILER™		129/127J
205/75 R 17.5	D	MICHELIN XDE 2	M+S 	124/122M
215/75 R 17.5	D	MICHELIN XDE 2	M+S 	126/124M
215/75 R 17.5	T	MICHELIN XTE 2+		135/133J
225/75 R 17.5	D	MICHELIN XDE 2	M+S 	129/127M
235/75 R 17.5	D	MICHELIN XDE 2	M+S 	132/130M
235/75 R 17.5	T	MICHELIN XTE 2+		143/141J
245/70 R 17.5	D	MICHELIN XDE 2	M+S 	136/134M
245/70 R 17.5	T	MICHELIN XTE 2+		143/141J
265/70 R 17.5	D	MICHELIN RCX DE2+	M+S 	140/138M
SEAT 19.5				
245/70 R 19.5	D	MICHELIN X [®] MULTI™ D	M+S 	136/134M
245/70 R 19.5	T	MICHELIN XTE 2		141/140J
255/60 R 19.5	T	MICHELIN X [®] MAXITRAILER™	M+S	143/141J
265/70 R 19.5	T	MICHELIN XTE 2	M+S	143/141J
265/70 R 19.5	D	X [®] MULTI™ D	M+S 	140/138M
285/70 R 19.5	D	XDE 2+	M+S 	144/142M
285/70 R 19.5	D	X [®] MULTI™ D	M+S 	146/144L
SEAT 22.5				
275/70 R 22.5	Z	MICHELIN XZE 2+	M+S 	148/145M
275/70 R 22.5	D	MICHELIN XDE 2+	M+S 	148/145M
295/60 R 22.5	D	MICHELIN X [®] MULTI™ D	M+S 	150/147L
295/80 R 22.5	Z	MICHELIN XZE 2+	M+S 	152/148M
295/80 R 22.5 	D	MICHELIN XDW ICE GRIP	M+S 	152/149L
295/80 R 22.5	D	MICHELIN X [®] MULTIWAY™ 3D XDE	M+S 	152/148L
295/80 R 22.5	D	MICHELIN XDE 2+	M+S 	152/148M
295/80 R 22.5  <small>LAUNCH DATE JULY 1, 2023</small>	D	MICHELIN X [®] MULTI™ GRIP D	M+S 	154/150L
315/45 R 22.5 <small>LAUNCH DATE SEPTEMBER 1, 2023</small>	D	MICHELIN X [®] MULTI™ D	M+S 	147/145L
315/60 R 22.5	D	MICHELIN X [®] MULTI™ D	M+S 	152/148L
315/70 R 22.5	D	MICHELIN X [®] MULTI™ HD D	M+S 	154/150L
315/70 R 22.5	Z	MICHELIN XZE 2+	M+S 	154/150L
315/70 R 22.5	D	MICHELIN X [®] MULTIWAY™ 3D XDE	M+S 	154/150L
315/70 R 22.5 	D	MICHELIN XDW ICE GRIP	M+S 	154/150L
315/70 R 22.5	D	MICHELIN X [®] MULTI™ D	M+S 	154/150L
315/70 R 22.5 	D	MICHELIN X [®] MULTI™ GRIP D	M+S 	154/150L
315/80 R 22.5 	D	MICHELIN X [®] MULTI™ GRIP D	M+S 	156/150L
315/80 R 22.5	D	MICHELIN X [®] MULTI™ D	M+S 	156/150L
315/80 R 22.5	D	MICHELIN X [®] MULTIWAY™ 3D XDE	M+S 	156/150L
315/80 R 22.5	D	MICHELIN X [®] MULTI™ HD D	M+S 	156/150L
315/80 R 22.5	Z	MICHELIN XZE 2+	M+S 	156/150L
315/80 R 22.5	D	MICHELIN XDE 2+	M+S 	156/150L
315/80 R 22.5 	D	MICHELIN XDW ICE GRIP	M+S 	156/150L
385/55 R 22.5	T	MICHELIN X [®] MULTI™ T2	M+S 	160K
385/65 R 22.5	T	MICHELIN X [®] MULTI™ HL T	M+S 	164K
385/65 R 22.5	T	MICHELIN X [®] MULTI™ T	M+S 	160K
385/65 R 22.5	T	MICHELIN XTE 3	M+S 	160J
455/45 R 22.5	T	MICHELIN X [®] ONE™ MAXITRAILER™ +	M+S	160J

SIZE	POSITION	PATTERN	WINTER MARKINGS	LOAD/SPEED INDEX
 X COACH™				
SEAT 22.5				
295/80 R 22.5	D	MICHELIN X® COACH™ XD	 	152/148M
 X WORKS™				
SEAT 19.5				
265/70 R 19.5	T	MICHELIN XTY 2	 	143J
SEAT 22.5				
13 R 22.5	D	MICHELIN X® WORKS™ D	 	156/150K
13 R 22.5	D	MICHELIN X® WORKS™ D REMIX® 2	 	156/150K
13 R 22.5	Z	MICHELIN X® WORKS™ XZY		156/150K
13 R 22.5	D	MICHELIN X® WORKS™ XDY		156/150K
13 R 22.5	D	MICHELIN X® WORKS™ XDY REMIX® 2		156/150K
275/70 R 22.5	T	MICHELIN XTY 2	 	148/145J
295/80 R 22.5	D	MICHELIN RC X® WORKS™ D	 	152/148K
315/80 R 22.5	D	MICHELIN X® WORKS™ D	 	156/150K
315/80 R 22.5	D	MICHELIN X® WORKS™ D REMIX® 2	 	156/150K
315/80 R 22.5	Z	MICHELIN X® WORKS™ XZY		156/150K
315/80 R 22.5	D	MICHELIN X® WORKS™ XDY		156/150K
315/80 R 22.5	D	MICHELIN X® WORKS™ XDY REMIX® 2		156/150K
385/65 R 22.5	T	MICHELIN X® WORKS™ T	 	160K
385/65 R 22.5	Z	MICHELIN XZY 3	 	160K
385/65 R 22.5 	Z	MICHELIN X® WORKS™ HL Z	 	164J
445/65 R 22.5	Z	MICHELIN XZY 3		169K
 X FORCE™				
SEAT 22.5				
13 R 22.5	Z	MICHELIN XZH 2 R		154/150G
 X INCITY™				
SEAT 22.5				
275/70 R 22.5 	Z	MICHELIN X® INCITY™ EV Z	 	152/149J
275/70 R 22.5	Z	MICHELIN X® INCITY™ XZU	 	148/145J
275/70 R 22.5	Z	MICHELIN X® INCITY™ XZU REMIX® 2	 	148/145J
275/70 R 22.5 	D	MICHELIN X® INCITY™ ICE GRIP D	 	148/145J
295/80 R 22.5	Z	MICHELIN X® INCITY™ XZU 3	 	152/148J

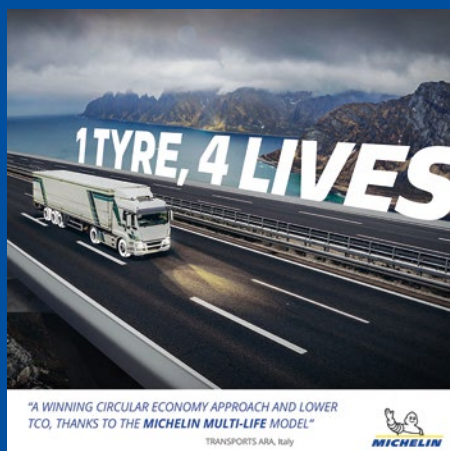
 3PMSF  Tyres with excellent grip performance for extreme winter conditions.

- (1) The tread compound and pattern of the MICHELIN Remix® tyres are largely the same as those used for new MICHELIN tyres. 90% of the range of MICHELIN Remix® tyres uses the same mould and the same materials as new MICHELIN tyres which may lead to up to equivalent performance between MICHELIN Remix® tyres and new Michelin tyres. Internal evaluations carried out by the Michelin Research and Technology Center based on customer testimonials collected in Europe since 2015. Key performances are considered to be: safety, traction and grip.
- (2) More than 473 000 casings examined between 2015 and 2018. Data collected in UK by TRS, an independent UK casing collector - calculation of acceptance rate of casing retread by brand, for a first retread. Calculation done by Michelin based on these elements and made on the number of casings at end of first life per brand, estimated as acceptable to be retreaded divided by the number of casings at end of first life.
- (3) You can consult your Michelin contact or your tyre dealer for more details.
- (4) Compared to a worn non-regrooved MICHELIN tyre. Based on a 4-mm average regrooving. Information taken from recommendations made by the French tyre manufacturers' federation TNPF in 2013 according to which regrooving of worn tyres increases tyre lifetime by using all available rubber.
- (5) MICHELIN Remix® retreading only requires an additional 20 kg of raw materials on average, equivalent to a saving of 50 kg compared with the raw materials required for production of a new MICHELIN tyre. Internal comparison carried out by Michelin in its Research and Technology Center – comparing the average weight between MICHELIN Remix® tyres and MICHELIN new tyres on several dimensions.
- (6) 5,6% fuel consumption gain: Internal study performed at Ladoux (France), May 2021, carried out under DEKRA supervision, comparing 315/70 R 22.5 MICHELIN X® LINE™ ENERGY™ Z2 & D2 new tyres vs. regrooved tyres (R5mm). Results may vary depending on weather conditions, road type, tyre size and driving style.
- (7) On wet ground, regrooved tyres offer approx. 10% greater transverse grip and traction compared to the same worn tyres. Internal study carried out by Michelin in 2010 at Ladoux on a polished concrete track; results may vary depending on the conditions of use.
- (8) The tread compound and pattern of the MICHELIN Remix tyres are largely the same as those used for new MICHELIN tyres. 90% of the range of MICHELIN Remix tyres uses the same mould and the same materials as new MICHELIN tyres which may lead to up to equivalent performance between MICHELIN Remix tyres and new Michelin tyres. Internal evaluations carried out by the Michelin Research and Technology Center based on customer testimonials collected in Europe since 2015.

FACTS FOR IMPACTS



Study performed on over 473,000 casings between 2015 and 2018. Data collected in the United Kingdom by TRS, an independent collector of casings, calculating the acceptance rate of retreaded tyres by brand, for a first retread. Internal MICHELIN calculation performed on the number of casings at the end of their first life, by brand, and considered to be "acceptable" for retreading, divided by the number of casings at the end of their first life. Competitor average calculated using data for each competitor from the same study: Goodyear 57%, Dunlop 55%, Continental 53%, Bridgestone 50%, Fulda 44%, Sava 43%, Firestone 33%, Pirelli 20%.

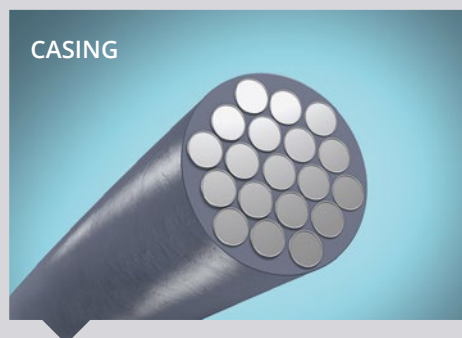


Testimonial from Transports ARA received (by post) in May 2016. Tested in real conditions on 46 trucks used entirely for goods transportation in Italy, equipped with MICHELIN X[®] LINE[™] D or MICHELIN X[®] MULTIWAY[™] 3D XDE tyres.



Testimonial received (by post) from Bioret Group on 17/01/2020. Tested in real conditions of use on 1,000 vehicles equipped with MICHELIN X[®] LINE[™] ENERGY[™] 315/70 R 22.5, driving in France and Europe.

MICHELIN CASINGS INCORPORATE TECHNOLOGIES THAT BOOST THEIR RETREADABILITY



POWERCOIL:
improved casing durability.
Next-generation steel cords are more rugged and oxidation-resistant.



DURACOIL:
reinforced heel for greater durability.
Premium nylon protects the structure of the tyre area in contact with the wheel.



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*Free call, apart from your operator's surcharge, if any.