



# Goodyear Winter Guide for trucks, buses and coaches.



**GOODYEAR**



# What is a winter tyre?

A winter tyre (or “snow tyre” according to EU Regulation 661/2009) is defined as a **“tyre whose tread pattern, tread compound or structure is primarily designed to achieve in snow conditions a performance better than that of a normal tyre with regard to its ability to initiate or maintain vehicle motion”**.

## Winter tyre marking

**M+S** (also M.S or M&S) has been the widely used marking on winter tyres, stipulated in EU legislation<sup>1</sup>.

On 1 November 2012 Regulation 117 made a new marking official in the EU – **the “Alpine” symbol**, or the three-peak-mountain with snowflake (“3PMSF”). Unlike the M+S marking, the 3PMSF can only be legally used if the tyre passes a minimum performance threshold requirement on snow, the so called “snow grip index”.

<sup>1</sup> Council Directive 92/23/EEC of 31 March 1992 relating to tyres for motor vehicles and their trailers and to their fitting.



However, M+S remains as a permitted marking, but not legally linked to a minimum guaranteed performance in winter conditions. M+S tyres have better snow traction than regular tyres but do not necessarily pass the snow grip threshold legal requirement to qualify for the new three-peak snowflake identification.

## Benefits of winter tyres

The use of winter tyres ensures that vehicle performance is optimized when temperatures are low and in particular when roads are affected by snow and ice. Tyres react differently according to temperature, so specific compounds and tread patterns are necessary for such conditions. Good grip is of course essential for steering and braking control as well as traction. At lower temperatures some other tyres do not give the same performance as they provide in their normal temperature range. A more aggressive tread pattern is also necessary, not only for good grip in snow but also on ice and to efficiently clear surface water.

The benefits of commercial winter tyres are particularly important for mobility in challenging weather conditions. Avoiding road blockages has not least certain economic pluses, e.g. preventing losses from delayed deliveries, spoiled goods, etc...



# Winter tyre markings on Goodyear tyres

Almost all Goodyear truck and bus tyres are marked with the **M+S** and the **3PMSF** symbol.

Following Goodyear tyres qualify for the **3PMSF** marking:

- Winter truck tyre ranges:  
ULTRA GRIP MAX S & D, ULTRA GRIP WTS/WTD
- Long haul, fuel efficient tyre ranges:  
FUELMAX D, FUELMAX S & D GEN-2, FUELMAX S & D PERFORMANCE
- Regional haul, mileage optimised tyre ranges:  
KMAX S & D, KMAX S & D GEN-2, KMAX S A
- Coach tyres:  
Marathon Coach and ULTRA GRIP Coach
- City bus tyres:  
URBANMAX MCA & MCD
- Mixed service / off-road tyre ranges:  
OMNITRAC S & D, OMNITRAC MSD II, OMNITRAC S & D HEAVY DUTY
- Trailer tyres:  
ULTRA GRIP MAX T, KMAX T GEN-2  
and KMAX T 17.5/19.5"



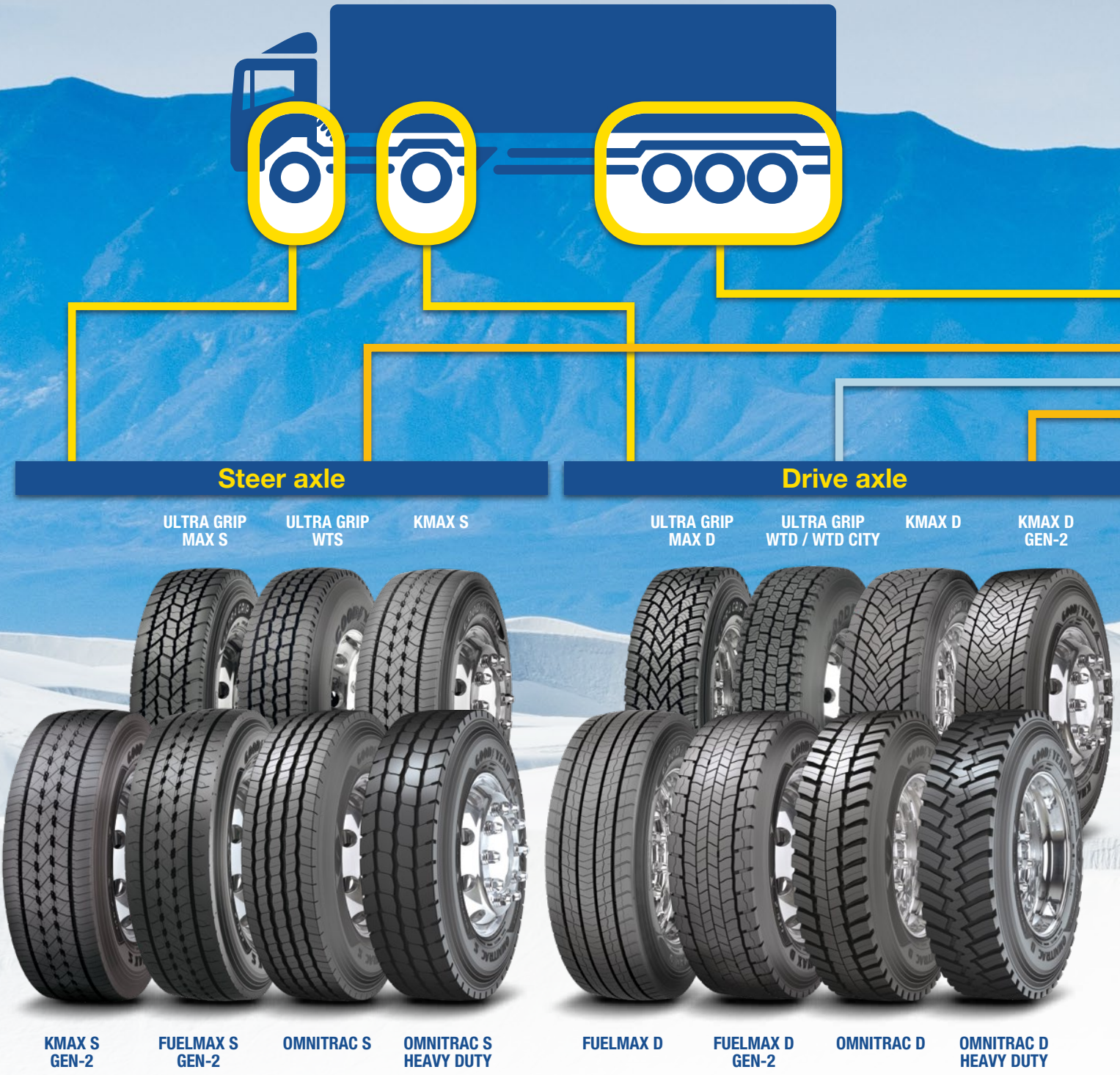
For some years Goodyear Dunlop has been using the following **marketing symbol** for tyres specifically designed as pure winter tyres.

Following the introduction of the EU Regulation 117, this symbol is now accompanied by the 3PMSF marking on all relevant Goodyear tyres.





# Goodyear winter tyre ranges. Ready to meet all winter conditions.

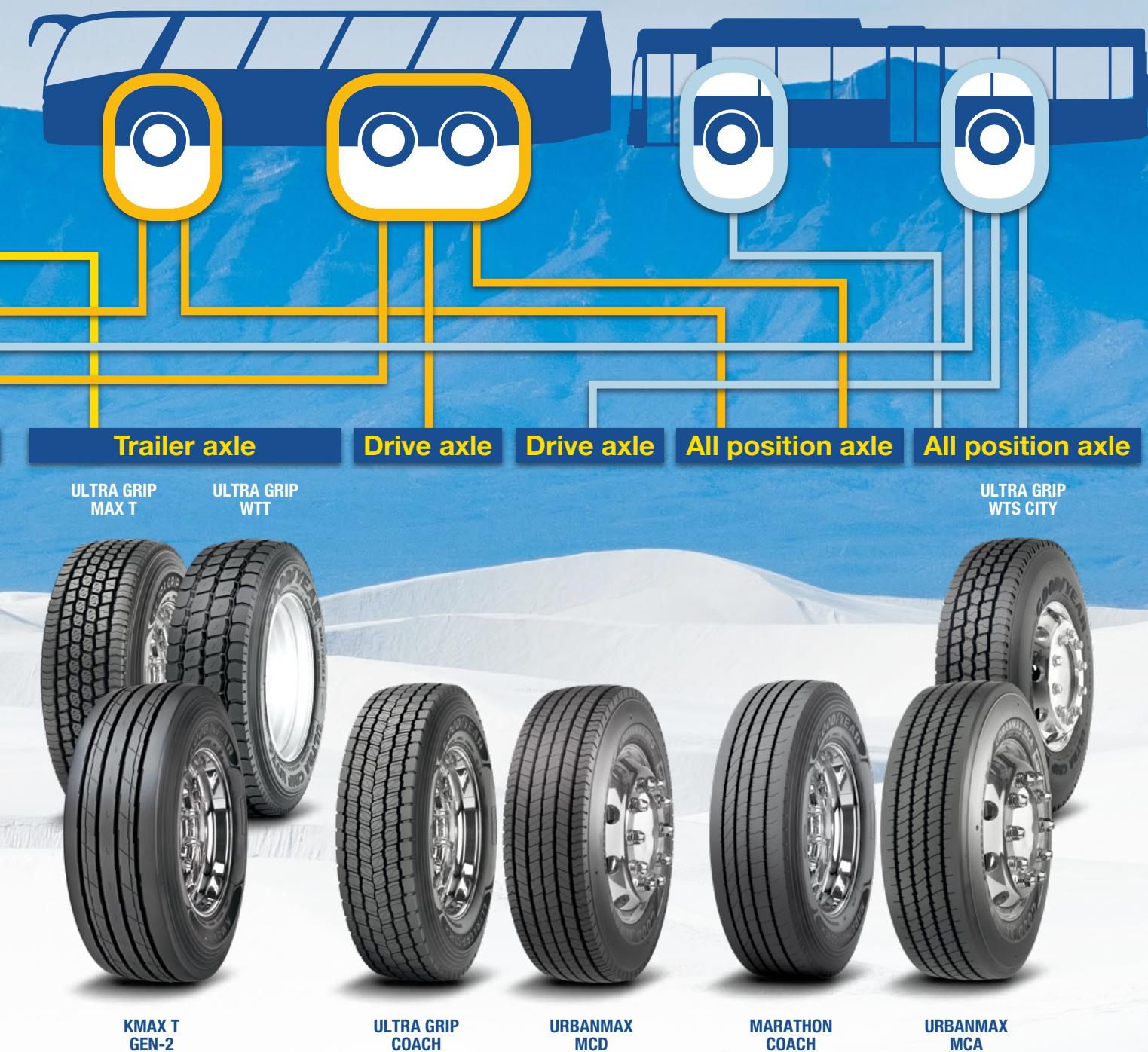




Goodyear's winter truck, coach and bus tyre ranges are developed to cope with today's demanding winter transport operations.

ULTRA GRIP WTS, WTS City, WTD, WTT, ULTRA GRIP Coach and ULTRA GRIP MAX S, D and T have been specifically designed to provide excellent winter capabilities to face the toughest and most extreme winter conditions.























































All tyre designs below are M+S and 3PMSF marked and comply with the most restrictive European winter tyre regulations.







# M+S and 3PMSF markings
















































## Truck / Buses

Size	TL/TT	Load index / Speed index 1	Load index / Speed index 2	Description	EU-tyre label			M+S	
					Fuel Efficiency 	Wet Grip 	Noise Emission (dB) 		
8.5 R 17.5	TL	121/120 M		Regional RHD	E	C	73 	✓	
9.5 R 17.5	TL	129/127 M		Regional RHS II	D	C	71 	✓	✓
	TL	129/127 M		Regional RHD II	E	C	71 	✓	✓
10 R 17.5	TL	134/132 M		Unisteel G 124	E	B	74 	✓	✓
205/75 R 17.5	TL	124/122 M		KMAX S	D	B	69 	✓	✓
	TL	124/122 M	126/124G	KMAX D	D	C	74 	✓	✓
215/75 R 17.5	TL	128/126 M		KMAX S HL	C	B	69 	✓	✓
	TL	126/124 M		KMAX D	D	C	71 	✓	✓
225/75 R 17.5	TL	129/127 M		KMAX S	D	B	69 	✓	✓
	TL	129/127 M		KMAX D	D	C	73 	✓	✓
235/75 R 17.5	TL	132/130 M		KMAX S	D	B	69 	✓	✓
	TL	132/130 M		KMAX D	D	B	71 	✓	✓
245/70 R 17.5	TL	136/134 M		KMAX S	D	B	70 	✓	✓
	TL	136/134 M		Regional RHS II+	D	B	71 	✓	
	TL	136/134 M		KMAX D	D	B	71 	✓	✓
265/70 R 17.5	TL	139/136 M		KMAX S	C	B	69 	✓	✓
	TL	139/136 M		KMAX D	D	B	71 	✓	✓
245/70 R 19.5	TL	136/134 M		KMAX S	D	C	71 	✓	✓
	TL	136/134 M		KMAX D	D	B	72 	✓	✓
265/70 R 19.5	TL	140/138 M		KMAX S	D	B	71 	✓	✓
	TL	140/138 M		KMAX D	D	B	72 	✓	✓
	TL	140/138 L		UrbanMax MCA	D	C	70 	✓	✓
	TL	143/141 J	140/138 L	OMNITRAC MSS II	D	B	71 	✓	
285/70 R 19.5	TL	146/144 L	144/142 M	KMAX S	D	C	71 	✓	✓
	TL	146/144 L	144/142 M	Regional RHS II	D	C	71 	✓	✓
	TL	146/144 L	144/142 M	KMAX D	D	C	71 	✓	✓
305/70 R 19.5	TL	148/145 M		KMAX S	C	C	71 	✓	✓
	TL	148/145 M		KMAX D	C	C	72 	✓	✓
12.00 R 20	TT	154/150 K		OMNITRAC MSS II	C	B	71 	✓	
14.00 R 20	TL	164/160 J	166/160 G	Offroad ORD	-	-	-	✓	
365/85 R 20	TL	164 J		Offroad ORD	D	B	75 	✓	
11 R 22.5	TL	148/145 L		Regional RHD II	D	C	78 	✓	
	TL	148/145 J	152/148 E	UrbanMax MCA	D	C	72 	✓	✓
	TL	148/145 K		OMNITRAC MSS	D	B	70 	✓	
12 R 22.5	TL	152/148 L		Regional RHD II	D	C	76 	✓	✓
	TL	152/148 K		OMNITRAC MSS II	C	B	70 	✓	
	TL	152/148 K		OMNITRAC MSD II	D	C	71 	✓	✓
	TL	152/148 J		Offroad ORD	-	-	-	✓	
	TL	152/148 K		OMNITRAC S HEAVY DUTY	under development			✓	✓
	TL	152/148 K		OMNITRAC D HEAVY DUTY	under development			✓	✓
13 R 22.5	TL	156/150 L	154/150 M	Regional RHD II	D	C	78 	✓	
	TL	156/150 K		OMNITRAC S	C	B	71 	✓	✓
	TL	156/150 K		OMNITRAC D	D	B	75 	✓	✓
	TL	156/150 K		OMNITRAC S HEAVY DUTY	C	B	72 	✓	✓
	TL	156/150 K		OMNITRAC D HEAVY DUTY	D	B	75 	✓	✓
	TL	156/150 G	154/150 J	Offroad ORD	-	-	-	✓	
375/90 R 22.5	TL	164 G		OMNITRAC MSS	C	B	70 	✓	
	TL	164 G		Offroad ORD	-	-	-	✓	
295/80 R 22.5	TL	154/149 M		FUELMAX S HL GEN-2	B	C	70 	✓	✓
	TL	154/149 M		FUELMAX S HL	B	B	70 	✓	
	TL	152/148 M		FUELMAX D GEN-2	C	B	73 	✓	✓
	TL	152/148 M		FUELMAX D	C	B	72 	✓	✓
	TL	154/149 M		Marathon Coach HL	C	B	71 	✓	✓
	TL	154/149 M		UltraGrip Coach HL	D	C	72 	✓	✓
	TL	154/149 M		KMAX S HL GEN-2	C	B	74 	✓	✓
	TL	154/149 M		KMAX S HL	C	B	74 	✓	✓




































					EU-tyre label				
Size	TL/TT	Load index / Speed index 1	Load index / Speed index 2	Description	Fuel Efficiency	Wet Grip	Noise Emission (dB)		
									
	TL	152/148 M		KMAX D GEN-2	D	C	72 	✓	✓
	TL	152/148 M		KMAX D	D	C	72 	✓	✓
	TL	154/149 L		ULTRA GRIP MAX S HL	D	B	72 	✓	✓
	TL	152/148 M		ULTRA GRIP MAX D	E	C	73 	✓	✓
	TL	152/148 J	154/150 E	UrbanMax MCA	D	C	71 	✓	✓
	TL	152/148 K		OMNITRAC S	D	B	71 	✓	✓
	TL	152/148 K		OMNITRAC D	D	B	75 	✓	✓
315/80 R 22.5	TL	156/150 L	154/150 M	FUELMAX S GEN-2	B	B	71 	✓	✓
	TL	156/150 L	154/150 M	FUELMAX S	B	B	71 	✓	
	TL	156/150 L	154/150 M	FUELMAX D GEN-2	B	C	73 	✓	✓
	TL	156/150 L	154/150 M	FUELMAX D	C	B	72 	✓	✓
	TL	156/150 L	154/150 M	Marathon Coach	B	B	70 	✓	✓
	TL	156/150 L	154/150 M	UltraGrip Coach	D	C	73 	✓	✓
	TL	158/150 L		KMAX S HL GEN-2	under development			✓	✓
	TL	156/150 L	154/150 M	KMAX S GEN-2	C	B	71 	✓	✓
	TL	156/150 L	154/150 M	KMAX S	C	B	71 	✓	✓
	TL	156/150 L	154/150 M	KMAX D GEN-2	D	C	72 	✓	✓
	TL	156/150 L	154/150 M	KMAX D	D	C	71 	✓	✓
	TL	156/150 L	154/150 M	ULTRA GRIP MAX S	C	B	72 	✓	✓
	TL	156/150 L	154/150 M	ULTRA GRIP MAX D	E	B	74 	✓	✓
	TL	156/150 K		OMNITRAC S	D	B	73 	✓	✓
	TL	156/150 K		OMNITRAC D	D	B	75 	✓	✓
	TL	156/150 K		OMNITRAC MSS II	D	B	70 	✓	
	TL	156/150 K		OMNITRAC MSD II	D	C	74 	✓	✓
	TL	156/150 K		OMNITRAC S HEAVY DUTY	under development			✓	✓
	TL	156/150 K		OMNITRAC D HEAVY DUTY	under development			✓	✓
	TL	156/150 K		Offroad ORS	D	B	70 	✓	
445/75 R 22.5	TL	170 J		OMNITRAC MSS	C	B	71 	✓	
275/70 R 22.5	TL	148/145 M		KMAX S	C	B	72 	✓	✓
	TL	148/145 M		KMAX D	D	C	73 	✓	✓
	TL	148/145 J	152/148 E	UltraGrip WTS City	E	C	73 	✓	✓
	TL	148/145 J	152/148 E	UltraGrip WTD City	E	D	73 	✓	✓
	TL	148/145 J	152/148 E	UrbanMax MCA	E	C	71 	✓	✓
	TL	150/145 J	152/148 E	UrbanMax MCA HL	D	C	71 	✓	✓
	TL	148/145 J	152/148 E	UrbanMax MCD* Traction	E	C	72 	✓	✓
	TL	148/145 K		OMNITRAC MSS II	D	B	72 	✓	
305/70 R 22.5	TL	153/150 L	150/148 M	KMAX S	C	B	71 	✓	✓
	TL	153/150 L	150/148 M	KMAX D	D	C	71 	✓	✓
	TL	152/148 J	154/150 E	Urban MCS *	D	C	71 	✓	
315/70 R 22.5	TL	156/150 L		FUELMAX S HL GEN-2	B	B	70 	✓	✓
	TL	156/150 L		FUELMAX S HL PERFORMANCE	A	B	71 	✓	✓
	TL	154/150 L	152/148 M	FUELMAX D GEN-2	B	B	73 	✓	✓
	TL	154/150 L	152/148 M	FUELMAX D	B	B	72 	✓	✓
	TL	154/148 L	152/148 M	FUELMAX D PERFORMANCE	A	C	73 	✓	✓
	TL	156/150 L		KMAX S HL GEN-2	C	B	72 	✓	✓
	TL	156/150 L		KMAX S HL	C	B	72 	✓	✓
	TL	154/150 L	152/148 M	KMAX D GEN-2	C	B	72 	✓	✓
	TL	154/150 L	152/148 M	KMAX D	D	C	72 	✓	✓
	TL	156/150 K		OMNITRAC S HL	under development			✓	✓
	TL	154/150 K	152/148 M	OMNITRAC D	under development			✓	✓
	TL	156/150 L		ULTRA GRIP MAX S HL	C	B	73 	✓	✓
	TL	154/150 L	152/148 M	ULTRA GRIP MAX D	E	C	74 	✓	✓
385/65 R 22.5	TL	160 K	158 L	FUELMAX S GEN-2	B	B	70 	✓	✓
	TL	160 K	158 L	FUELMAX S	B	B	69 	✓	
	TL	160 K	158 L	KMAX S GEN-2	B	B	70 	✓	✓
	TL	160 K	158 L	KMAX S	B	B	70 	✓	✓



					EU-tyre label				
Size	TL/TT	Load index / Speed index 1	Load index / Speed index 2	Description	Fuel Efficiency 	Wet Grip 	Noise Emission (dB) 	M+S 	
295/60 R 22.5	TL	160 K	158 L	ULTRA GRIP MAX S	C	B	73 	✓	✓
	TL	160 K	158 L	OMNITRAC S	C	B	73 	✓	✓
	TL	160 K	158 L	OMNITRAC MSS II	C	B	73 	✓	
	TL	150/147 K	149/146 L	FUELMAX S GEN-2	B	C	71 	✓	✓
	TL	150/147 K	149/146 L	FUELMAX S	B	B	70 	✓	
	TL	150/147 K	149/146 L	FUELMAX D GEN-2	under development			✓	✓
	TL	150/147 K	149/146 L	FUELMAX D	C	B	72 	✓	✓
	TL	150/147 K	149/146 L	KMAX S GEN-2	C	B	71 	✓	✓
	TL	150/147 K	149/146 L	KMAX S	C	B	71 	✓	✓
	TL	150/147 K	149/146 L	KMAX D GEN-2	under development			✓	✓
315/60 R 22.5	TL	150/147 K	149/146 L	KMAX D	C	B	72 	✓	✓
	TL	150/147 K	149/146 L	ULTRA GRIP MAX S	C	B	72 	✓	✓
	TL	150/147 K	149/146 L	ULTRA GRIP MAX D	D	C	73 	✓	✓
	TL	154/148 L		FUELMAX S HL	B	B	70 	✓	
	TL	152/148 L		FUELMAX D GEN-2	B	C	73 	✓	✓
	TL	152/148 L		FUELMAX D	C	C	73 	✓	✓
	TL	154/148 L		KMAX S HL	C	B	71 	✓	
	TL	154/148 L		KMAX S A HL	C	C	73 	✓	✓
	TL	152/148 L		KMAX D GEN-2	D	B	73 	✓	✓
	TL	152/148 L		KMAX D	D	B	73 	✓	✓
295/55 R 22.5	TL	152/148 J		UrbanMax MCA	C	C	72 	✓	✓
	TL	154/148 L		ULTRA GRIP MAX S HL	C	C	72 	✓	✓
	TL	152/148 L		ULTRA GRIP MAX D	D	C	74 	✓	✓
	TL	147/145 K		KMAX D GEN-2	C	B	72 	✓	✓
	TL	147/145 K		KMAX D	C	B	72 	✓	✓
	TL	160 K	158 L	FUELMAX S GEN-2	B	B	71 	✓	✓
	TL	160 K	158 L	FUELMAX S	B	B	72 	✓	
	TL	160 K	158 L	FUELMAX S PERFORMANCE	A	B	71 	✓	✓
	TL	160 K	158 L	KMAX S GEN-2	B	B	71 	✓	✓
	TL	160 K	158 L	KMAX S	B	B	71 	✓	✓
355/50 R 22.5	TL	160 K	158 L	ULTRA GRIP MAX S	C	B	74 	✓	✓
	TL	160 K		OMNITRAC MSD II	C	C	73 	✓	
	TL	156 K		KMAX S HL	C	B	71 	✓	✓
	TL	154 K	152 L	UltraGrip WTS	D	B	73 	✓	✓
315/45 R 22.5	TL	147/145 L		KMAX D	D	C	72 	✓	✓
375/45 R 22.5	TL	156 L		KMAX S	B	B	73 	✓	✓
455/45 R 22.5	TL	166 J		UrbanMax MCD Traction	C	C	73 	✓	✓
495/45 R 22.5	TL	169 K		Marathon LHD	C	C	72 	✓	
	TL	169 K		OMNITRAC MSD II	C	D	74 	✓	
12.00 R 24	TT	160/156 K		OMNITRAC MSS II Plus	B	B	70 	✓	
	TT	160/156 K		OMNITRAC MSD II Plus	C	B	71 	✓	
	TT	160/156 G		Offroad ORD	-	-	-	✓	
325/95 R 24	TL	162/160 K		OMNITRAC S	C	B	72 	✓	✓
	TL	162/160 K		OMNITRAC MSS II Plus	C	B	69 	✓	
		162/160 K		OMNITRAC MSD II Plus	D	B	72 	✓	
	TL	162/160 G		Offroad ORD	-	-	-	✓	



## Trailers

Size	TL/TT	Load index / Speed index 1	Load index / Speed index 2	Description	EU-tyre label					
					Fuel Efficiency 	Wet Grip 	Noise Emission (dB) 			
7.50 R 15	TT	135/133 K		Regional RHT	C	B	69 	✓		
8.25 R 15	TT	143/141 J		Regional RHT	C	B	69 	✓		
9.5 R 17.5	TL	143/141 J		Regional RHT II Ipt	C	B	70 	✓		
215/75 R 17.5	TL	135/133 J		KMAX T	C	B	67 	✓	✓	
235/75 R 17.5	TL	143/141 J	144/144 F	KMAX T	C	B	70 	✓	✓	✓
245/70 R 17.5	TL	143/141 J	146/146 F	KMAX T	B	B	70 	✓	✓	✓
205/65 R 17.5	TL	129/127 K	132/132 G	KMAX T	C	B	71 	✓	✓	✓
245/70 R 19.5	TL	141/140 J		KMAX T	C	B	69 	✓	✓	✓
265/70 R 19.5	TL	143/141 J		KMAX T	C	B	70 	✓	✓	✓
	TL	143/141 J		Ultra Grip WTT	D	B	72 	✓	✓	✓
285/70 R 19.5	TL	150/148 J		KMAX T	B	B	70 	✓	✓	✓
265/55 R 19.5	TL	141/140 J	142/142 G	KMAX T	under development			✓	✓	✓
435/50 R 19.5	TL	160 J		FUELMAX T	A	C	73 	✓		
	TL	164 J		FUELMAX T HL	A	C	70 	✓		
	TL	160 J		KMAX T RFID	B	C	73 	✓		
385/65 R 22.5	TL	164 K	158 L	FUELMAX T HL	A	C	69 	✓		
	TL	164 K	158 L	KMAX T GEN-2 HL	C	B	72 	✓	✓	✓
	TL	164 K	158 L	KMAX T HL	B	C	71 	✓		
	TL	164 K	158 L	ULTRA GRIP MAX T HL	C	B	73 	✓	✓	✓
	TL	160 K	158 L	ULTRA GRIP MAX T	C	B	74 	✓	✓	✓
	TL	160 K	158 L	OMNITRAC MST II	C	B	72 	✓		
425/65 R 22.5	TL	165 K		KMAX T	B	B	72 	✓		
445/65 R 22.5	TL	169 K		KMAX T	B	B	72 	✓		
	TL	169 K		OMNITRAC MST II	B	B	71 	✓		
385/55 R 22.5	TL	160 K	158 L	FUELMAX T	A	C	70 	✓		
	TL	160 K	158 L	KMAX T	B	B	71 	✓		
	TL	160 K	158 L	ULTRA GRIP MAX T	C	B	73 	✓	✓	✓
435/50 R 22.5	TL	164 J		Marathon LHT	B	C	70 	✓		
455/40 R 22.5	TL	160 J		Marathon LHT+	C	C	72 	✓		

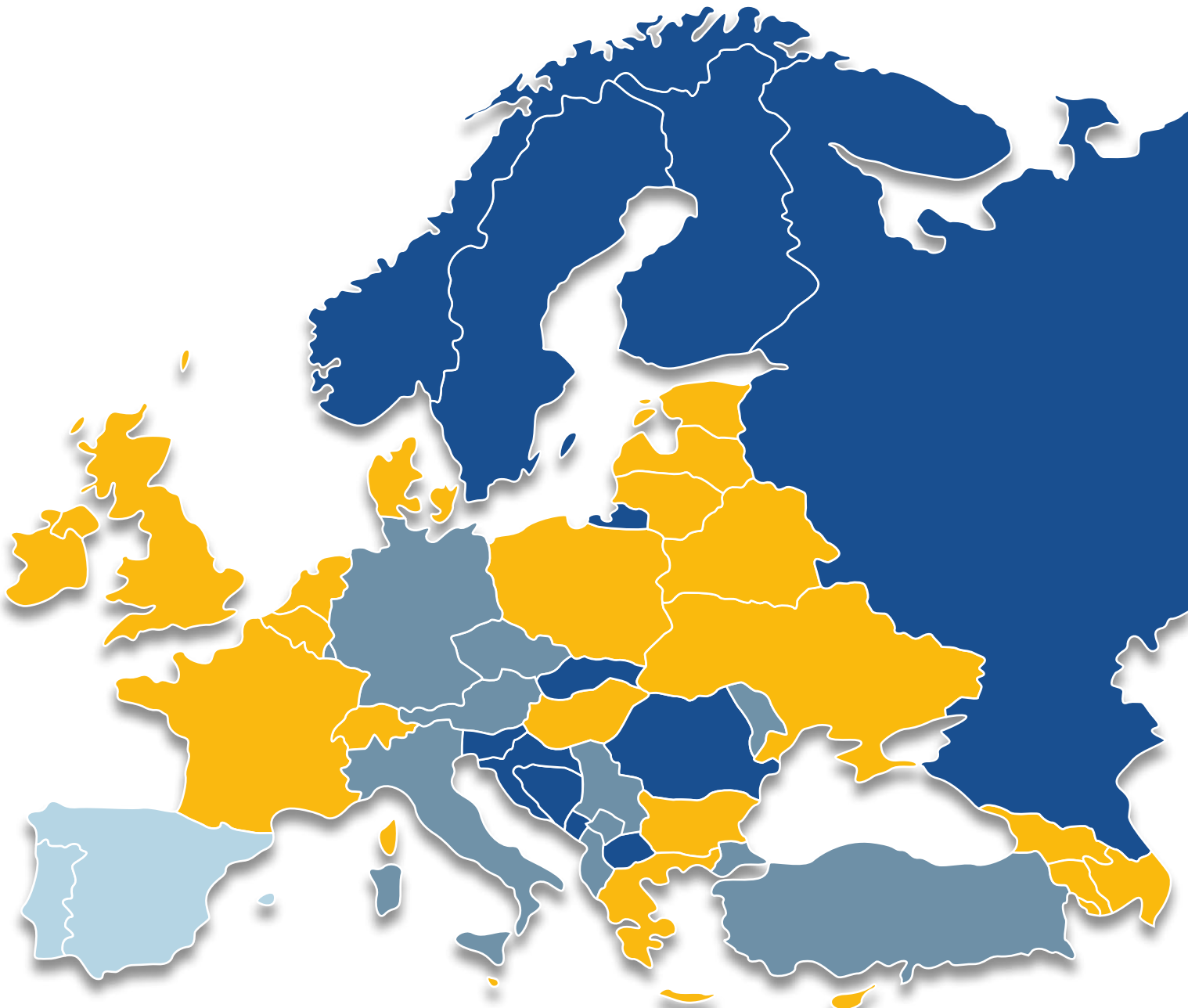




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# Winter tyre requirements for heavy commercial vehicles in Europe

- Countries with no requirements for winter tyres
- Countries with local requirements for winter tyres/use of chains
- Countries with requirements for winter tyres and/or other winter equipment in certain circumstances or on certain roads (e.g. "partial obligations for winter tyres")
- Countries with mandatory winter tyres legislation throughout a whole fixed period and on all roads, irrespective of whether there is snow and/or ice (e.g. "overall winter tyres laws")







## Albania

Winter conditions, depending on region/road

Winter tyres legislation

None

Use of chains

Compulsory chains in certain regions  
This obligation applies to truck drive and trailer axles



## Austria

November 1 – April 15 + winter conditions

Winter tyres legislation

M+S on at least one drive axle with min 6 mm tread depth for bias tires and 5 mm for radials

Use of chains

Chains for at least two tires on drive axle have to be carried along



## Belgium

Winter tyres legislation

None



## Bosnia & Herzegovina

November 15 – April 15

Winter tyres legislation

M+S tyres on drive axles with min 4mm tread depth

Use of chains

Summer tyres with min 4mm tread depth plus chains allowed on drive axles



## Bulgaria

November 15 – March 1

Winter tyres legislation

M+S tyres mandatory with 1.6mm tread depth; alternatively summer tyres with 4mm tread depth

Use of chains

Chains to be carried in the vehicle from November 1 – March 31 if indicated by road signs



## Croatia

November 15 – April 15

Winter tyres legislation

M+S tyres on drive axles with min 4mm tread depth

Use of chains

Alternative summer tyres with min 4mm tread depth plus chains on drive axles



## Cyprus

Winter tyres legislation

None



## Czech Republic

November 1 – March 31 + winter conditions

Winter tyres legislation

M+S tyres on drive axles with min 6mm tread depth

Use of chains

Compulsory on at least 2 drive tyres if indicated by road signs





## Denmark

Winter tyres legislation

None



## Estonia

Winter tyres legislation

None: new legislation planned for December 1st 2022



## Finland

Winter tyres legislation

December 1 – March 1

M+S tyres with min. 5mm tread depth on drive axles and 3mm on all other axles



## France

Winter tyres legislation

None; new legislation under preparation



## Germany

Winter tyres legislation

Winter conditions

3PMSF tyres on drive axles

Use of chains

Alternative with 50km/h speed limit



## Greece

Winter tyres legislation

None

Use of chains

Mandatory use of chains depending on weather conditions



## Hungary

Winter tyres legislation

None



## Ireland

Winter tyres legislation

None



## Italy

Winter tyres legislation

November 15 – April 15 in winter conditions (signs indicate)

M+S tyres on drive axles

Use of chains

Must be carried in the vehicle when driving on mountain roads without M+S tyres





## Kosovo

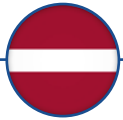
In winter conditions

Winter tyres legislation

**M+S tyres on drive axles**

Use of chains

**Obligation for chains on drive axles where indicated**



## Latvia

Winter tyres legislation

**Min. 3 mm tread depth**

Use of chains

**Not allowed**



## Lithuania

Winter tyres legislation

**None**

Use of chains

**Not allowed**



## Luxembourg

Winter conditions

Winter tyres legislation

**M+S tyres on drive axles**

Use of chains

**Alternative of summer tyres with min 6mm tread depth and chains on all axles**



## Macedonia

**November 15 – March 15**

Winter tyres legislation

**M+S tyres on drive axles with min 6mm tread depth**

Use of chains

**None**



## Malta

Winter tyres legislation

**None**



## Moldova

**December 1 – March 31 when road covered by ice/snow**

Winter tyres legislation

**M+S tyres on drive axles**

Use of chains

**Allowed**



## Montenegro

**November 15 – March 31**

Winter tyres legislation

**M+S tyres on drive axles**





## Netherlands

Winter tyres legislation

None

Use of chains

Not allowed



## Norway

November 15 – March 31  
October 16 – April 30 in Nordland, Tromms and Finnmark

Winter tyres legislation

3PMSF on front steering and drive axles (transition period for upgrading from M+S to 3PMSF until November 15, 2020), M+S on all other axles incl. trailer axles;  
Min. 5mm tread depth from November 1 – 1st Monday after Easter/October 16 – April 30 in Nordland, Tromms and Finnmark

Use of chains

Obligatory to have min. 3 to 7 sets of chains depending on number of axles (November 1 – 1st Monday after Easter/October 16 – April 30 in Nordland, Tromms and Finnmark)



## Poland

Winter tyres legislation

None

Use of chains

Obligation for chains where indicated on roads



## Portugal

Winter tyres legislation

None

Use of chains

Allowed by road signs



## Romania

In winter conditions (snow and ice)

Winter tyres legislation

M+S tyres on drive axles, min. 6mm tread depth

Use of chains

Alternative summer tyres plus chains on drive axles



## Russia

December 1 – February 28

Winter tyres legislation

M+S or 3PMSF tyres on all axles with min 4mm tread depth

Use of chains

Not allowed



## Serbia

November 1 – April 1 + winter conditions

Winter tyres legislation

M+S tyres on drive axles with min 4mm tread depth

Use of chains

Summer tyres with 4mm tread depth plus chains on drive axles



## Slovakia

November 15 – March 31 + winter conditions

Winter tyres legislation

**M+S tyres on drive axles with min 3mm tread depth**

Use of chains

**To be carried in the vehicle; usage indicated by road signs**



## Slovenia

November 15 – March 15

Winter tyres legislation

**M+S tyres on drive axles with min 3mm tread depth**

Use of chains

**Alternative summer tyres with min 3mm tread depth plus chains on drive axles**



## Spain

Depending on weather conditions or road signs

Winter tyres legislation

**M+S on drive axles if required by police**

Use of chains

**Obligation for chains where indicated on roads**



## Sweden

**December 1 – March 31 + winter conditions.  
Transition period until November 30, 2024 for steer and drive axels (GVW 3500kg)**

Winter tyres legislation

**3PMSF on all axles or M+S on trailer axles and axles other than steer or drive axles. POR truck tyres or studded tyres are considered winter tyres. Min. tread depth 5mm on trucks (GVW >3500kg), 1.6mm on trailers**

Use of chains

**Allowed on drive axles in winter conditions**



## Switzerland

Winter tyres legislation

**None**



## Turkey

**December 1 – April 1 + winter conditions (can be extended to an additional month if weather conditions require)**

Winter tyres legislation

**M+S and/or 3PMSF on drive axles of trucks, tow trucks, tankers, buses with min 4mm tread depth**

Use of chains

**Allowed but not as an alternative for winter tyres**



## Ukraine

Winter tyres legislation

**None**

Use of chains

**Chains only allowed on roads covered with snow and ice**



## United Kingdom

Winter tyres legislation

**None**





All information in this material was valid on its date of issuance (October 2019).  
For detailed and up to date information, please refer to your dealer or to [www.goodyear.eu](http://www.goodyear.eu)

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