CEAT

TRUCK & BUS

RADIAL

TYRES

CONT

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ABOUT CEAT

DEMING PRIZE FOR QUALITY

CEAT won the prestigious Deming Prize which recognises companies that achieve business transformation by implementing Total Quality Management (TQM).

BRITISH SAFETY COUNCIL SWORD OF HONOUR

CEAT follows the environment protection principle of 'Reduce, Reuse and Recycle', aiming for 'zero accidents' at all its plants.

JD POWER CUSTOMER SATISFACTION AWARD

CEAT ranks highest in India for Original Equipment Tyre Customer Satisfaction by JD Power in 2017.

Since it's inception in 1958, CEAT has always had a single purpose -

MAKING MOBILITY SAFER & SMARTER EVERYDAY,

which has been driven by innovative and agile methods, making us one of India's leading tyre manufacturers with a strong global presence in over 100 countries. CEAT manufactures world-class tyres for a wide range of vehicle segments and with our cutting-edge mobility solutions, we are not slowing down in our drive to create a 'SAFER, SMARTER, BETTER' tomorrow.

CEAT's State-of-the-Art Manufacturing Facility in Gujarat, India

CEAT European Technical Centre, Germany

CEAT'S GLOBAL REACH

RESEARCH & DEVELOPMENT AT CEAT

At CEAT, our driving force is working towards a smarter tomorrow, by investing in technological and R&D capabilities to deliver superior-quality, innovative and customised products across categories. CEAT has R&D facilities setup in Germany and India, that are well-equipped with new simulation technologies for predictive testing, enabling a better understanding of product technologies and consumer needs, and to deliver the best in class products.

WIN

WinSeries for Europe is a series of truck and bus segment tyres by CEAT specially designed for the European roads. With advanced research and technical capability, WinSeries ensures higher mileage, fuel efficiency, lower rolling resistance and higher durability.

While being recognized as the most dependable business partner for commercial vehicle operators, WinSeries is a range of high-performance tyres that deliver safety, versatility, and reliability for different road and weather conditions. With WinSeries, CEAT will ensure safer and smarter mobility every day.

SERIES

WINMILE-S

5 YEARS
WARRANTY

Mileage Pattern for Steer

Tread Compound Embedded with Optimised Rubber Blends

Gives Higher Mileage and High Fuel Efficiency

Symmetrical Straight Groove Pattern

Precise Steering & High Mileage

315/60 R22.5

WINMILE-S

POSITION	M+S
Steer	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
951	315	20	154/150	9.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
L	C	B	72 B	12.50	268

315/70 R22.5

WINMILE-S

POSITION	M+S
Steer	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1007	314	18	156/150 (154/150)	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
L (M)	C	B	71 A	15.0	258

315/80 R22.5

WINMILE-S

POSITION	M+S
Steer	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1084	312	20	156/150 (154/150)	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
L (M)	C	B	71 A	16.3	257

385/65 R22.5

WINMILE-S
6 RIB PATTERN

POSITION	M+S
Steer	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1060	378	20	164 (158)	11.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K (L)	C	B	72 B	15.40	302

WINMILE-D

5 YEARS
WARRANTY

Mileage Pattern for Drive

Optimized Groove Geometry

Minimum Cut & Chip and Casing Protection

Optimized Tread Design and Balanced Pressure Distribution on the Road

High Mileage and Superior Traction under All Weather Conditions

315/70 R22.5

WINMILE-D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1015	313	18	154/150 (152/148)	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
L (M)	D	B	75 B	19.0	265

315/80 R22.5

WINMILE-D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1089	314	20	156/150 (154/150)	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
L (M)	C	B	75 B	20.0	266

295/60 R22.5

WINMILE-D

POSITION
Drive

M+S
Yes

3PMS
Yes

REGROOVABLE
Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
930	296	18	150/147	9.0

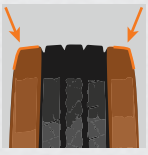
SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
L	D	B	75 B

TREAD DEPTH (MM)	TREAD WIDTH (MM)
19.0	259

WINMILE-T

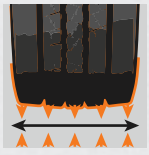
5 YEARS
WARRANTY

Mileage Pattern for Trailer



Wide & Solid Shoulder Ribs

Improved Stability



Balanced Pressure Distribution between Tyre and Road

Uniform Wear & High Mileage

385/55 R22.5

WINMILE-T

POSITION	M+S
Trailer	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
992	384	20	160 (158)	11.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K (L)	C	B	70 A	14.1	331

385/65 R22.5

WINMILE-T

POSITION	M+S
Trailer	Yes
3PMS	**REGROOVABLE**
Yes	Yes

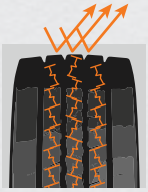
OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1061	378	20	164 (158)	11.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K (L)	B	B	67 A	16.0	309

WINMILE-X3 AW

5 YEARS
WARRANTY

Mileage Pattern for All Wheel Positions



High Abrasion Resistance Tread Compound with Optimized Tread Design

High Mileage, Enhanced Durability

Groove Base Protector in Center and Shoulder Ribs

Cut & Chip Resistance

295/80 R22.5

WINMILE-X3 AW

POSITION	M+S
All Wheel	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1054	302	18	154/149	9.0

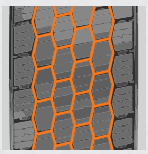
SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
M	C	B	68 A

TREAD DEPTH (MM)	TREAD WIDTH (MM)
16.1	233

WINSUPER-X3 D

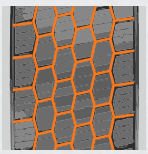
5 YEARS
WARRANTY

Mileage Pattern for Drive & Trailer



3-Dimensional Block Structure Providing Balanced Pressure Distribution between Tyre and Road

High Traction & Uniform Tread Wear



Hybrid Belt Package, Nano Structure Combined with Soft Curing – High Abrasion Resistance Tread Compound with Optimized Tread Design

High Fuel Efficiency & High Mileage

295/80 R22.5

WINSUPER-X3 D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1059	306	18	154/149	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
M	D	B	71 A

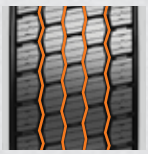
TREAD DEPTH (MM)	TREAD WIDTH (MM)
20.1	250

WINSUPER-X3 D

(17.5”)

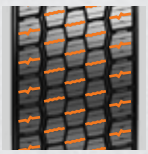
5 YEARS WARRANTY

Superior Pattern for Drive



3-dimensional Block Structure Providing Balanced Pressure Distribution Between Tyre and Road

High Traction & Uniform Tread Wear



Hybrid Belt Package, Nano Carbon Structure Combined with Soft Curing

High Fuel Efficiency

215/75 R17.5

WINSUPER-X3 D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
768	214	16	126/124	6.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
M	D	B	71 A	14.5	178

235/75 R17.5

WINSUPER-X3 D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
803	235	16	132/130	6.75

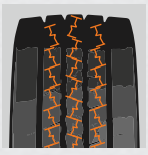
SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
M	D	B	71 A	13.8	201

WINMILE-X3 R

(17.5")

5 YEARS WARRANTY

Mileage Pattern for Steer



Tread Compound Embedded with Optimized Rubber Blends

Gives Higher Mileage & High Fuel Efficiency

Symmetrical Straight Groove Pattern

Precise Steering & High Mileage

215/75 R17.5

WINMILE-X3 R

POSITION	M+S
Steer (Trailer)	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
767	213	16	128/126 (135/133)	6.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
M (K)	D	A	67 A	13.3	181

235/75 R17.5

WINMILE-X3 R

POSITION	M+S
Steer (Trailer)	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
803	235	16	132/130 (143/141)	6.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
M (K)	D	A	68 A	13.8	201

245/70 R17.5

WINMILE-X3 R

POSITION
Steer (Trailer)

M+S
Yes

3PMS
Yes

REGROOVABLE
Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
791	246	16	136/134 (143/141)	7.50

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
M (J)	D	A	67 A

TREAD DEPTH (MM)	TREAD WIDTH (MM)
14.7	212

WINMILE-X3 R

(16”)

5 YEARS WARRANTY

Mileage Pattern for Steer

Balanced combination of Rib and Block Kerb Design

Excellent traction and steering stability

Natural equilibrium carcass with high strength rubber and steel

High Durability

7.50 R16

WINMILE-X3 R

POSITION	M+S
All Wheel	No
3PMS	**REGROOVABLE**
No	No

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
801	215	14	122/118	6.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
L	D	B	70 A

TREAD DEPTH (MM)	TREAD WIDTH (MM)
11.5	148

WINMILE-AW

(19.5”)

5 YEARS

WARRANTY

Mileage pattern for All wheel positions

Wide shoulder rib with Continuous Centre Rib

Provides uniform wear, traction and stability on road throughout the tyre life

Scrub Resistant Sidewall

Reduces chances of damage from curbing and improves retreadability

245/70 R19.5

WINMILE-AW

POSITION
All Wheel

M+S
Yes

3PMS
Yes

REGROOVABLE
Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
841	248	16	136/134 (141/140)	7.5

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
M (J)	D	B	70 A

TREAD DEPTH (MM)	TREAD WIDTH (MM)
14.0	212

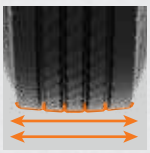
WINMILE-R

5 YEARS
WARRANTY

Mileage Pattern for Steer

Stiffer and connected rib design with cooler & low RR compound

Provides better fuel efficiency, cooler running and even wear



Natural equilibrium carcass with uniform tension

High Durability

11 R22.5

WINMILE-R

POSITION
Steer

M+S
No

3PMS
No

REGROOVABLE
No

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1050	282	16	148/145	8.25

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
L	D	B	71 B

TREAD DEPTH (MM)	TREAD WIDTH (MM)
15.5	214

WINLOAD-D

5 YEARS
WARRANTY

Mix Service Pattern for Drive

Advanced chip resistance nano technology compound with open shoulder and chamfered block design

Provides driving stability in wet conditions and withstands rugged driving conditions

Interconnected Centre blocks with tie bar

Even wear in abrasive road condition, improved tire life and less tire noise

315/80 R22.5

WINLOAD-D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1093	315	20	158/156	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K	D	A	73 B	21.0	273

13 R22.5

WINLOAD-D

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1126	320	20	158/156	9.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K	D	A	73 B	21.0	260

WINLOAD-AW

5 YEARS
WARRANTY

Mix Service Pattern for All Wheel Positions

Advanced chip resistance nano technology compound with zig zag groove and siping in tread

Provides excellent grip and withstands rugged driving conditions

Robust kerb rib design for protective sidewall

Durability against severe external damage

315/80 R22.5

WINLOAD-AW

POSITION	M+S
All Wheel	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1084	313	20	158/156	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K	D	A	71 A	16.8	264

13 R22.5

WINLOAD-AW (WIDE BASE PATTERN)

POSITION	M+S
All Wheel	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1080	382	20	158/156	9.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
K	D	A	71 A	17.0	260

385/65 R22.5

WINLOAD-AW
(WIDE BASE PATTERN)

POSITION	M+S
All Wheel	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1080	382	20	158	11.75

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
K (L)	C	A	71 A

TREAD DEPTH (MM)	TREAD WIDTH (MM)
17.5	310

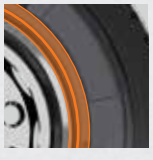
WINLOAD-AW

5 YEARS
WARRANTY

Mix Service pattern for All Wheel positions

Cross linking resin technology

Provides resistance to cuts and chipping



High elastic cut resistant polymer with strengthened bead area

High loading capacity with durability

11 R22.5

WINLOAD-AW

POSITION	M+S
All Wheel	No
3PMS	**REGROOVABLE**
No	No

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1048	279	16	148/145	8.25

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
L	D	A	70 A

TREAD DEPTH (MM)	TREAD WIDTH (MM)
15.1	214

WINLOAD-X5 D

5 YEARS
WARRANTY

Mix Service Pattern for Drive

Robust flat and large tread blocks

Enhances stability

Strengthened bead area and 90D plyline technology

High loading capacity with reduced bead failures

295/80 R22.5

WINLOAD-X5 D

POSITION
Drive

M+S
Yes

3PMS
Yes

REGROOVABLE
Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1062	296	16	152/148	9.0

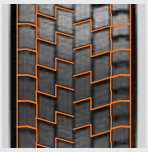
SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE
K	D	B	73 B

TREAD DEPTH (MM)	TREAD WIDTH (MM)
21.8	243

PRO-B10

5 YEARS
WARRANTY

Mileage Pattern for Drive



Open and interconnected shoulder block design

Heat dissipation for cooler running and traction till end of life

Natural equilibrium carcass with uniform tension

High Durability

315/70R22.5

PRO B10

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
No	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1029	315	16	152/148 154/150	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
M(L)	D	-	73 B	22.0	268

315/80R22.5

PRO B10

POSITION	M+S
Drive	Yes
3PMS	**REGROOVABLE**
Yes	Yes

OD (MM)	SW (MM)	PR	LOAD CAPACITY INDEX	RIM SIZE
1089	317	18	154/150	9.0

SPEED RATING	FUEL EFFICIENCY	WET GRIP	NOISE	TREAD DEPTH (MM)	TREAD WIDTH (MM)
M	D	B	74 B	21.0	271

APPLICATION CHART

APPLICATION	PATTERN	SIZE	STEER	DRIVE	TRAILER
REGIONAL	WINMILE S	315/60R22.5 315/70R22.5 315/80R22.5 385/65R22.5	●		
REGIONAL	WINMILE D	315/70R22.5 315/80R22.5 295/60R22.5		●	
REGIONAL	WINMILE T	385/55R22.5 385/65R22.5			●
REGIONAL	WINMILE X3 AW	295/80R22.5	●	●	
REGIONAL	WINSUPER X3 D	295/80R22.5		●	
REGIONAL	WINSUPER X3 D (17.5")	215/75R17.5 235/75R17.5		●	
REGIONAL	WINMILE X3 R (17.5")	215/75R17.5 235/75R17.5 245/70R17.5	●		●
REGIONAL	WINMILE X3 R (16")	7.50R16	●		
REGIONAL	WINMILE AW (19.5")	245/70R19.5	●		●
REGIONAL	WINMILE R	11R22.5	●		
MIX SERVICE	WINLOAD D	315/80R22.5 13R22.5		●	
MIX SERVICE	WINLOAD AW	315/80R22.5 385/65R22.5 13R22.5	●		●
MIX SERVICE	WINLOAD AW	11R22.5	●		●
MIX SERVICE	WINLOAD X5 D	295/80R22.5		●	
REGIONAL	PRO B10	315/70R22.5 315/80R22.5		●	

REGROOVING

PROCESS & RECOMMENDATIONS

01. A regrooved tyre is a tyre, either new or retreaded tyre, on which the tread pattern has been renewed or a new tread pattern has been generated by cutting into the tread deeper than the original groove depth for further use.

02. The regrooving of truck tyres should be done by fully trained operators.

03. Only proper and proven regrooving tools with electrically heated blades should be used.

04. A minimum under tread rubber is essential to avoid damage at the top steel belt, groove cracking and/or stone damage.

05. If regrooved according to the recommendations outlined in this manual, CEAT tyres can, in principle, be mounted on all wheel positions. However, since it has become standard practice for users to normally fit new tyres on front axles, the regrooved tyres will usually be mounted on the rear axles or trailer positions.

06. Tyres which are heavily damaged in the tread area (e.g. rib tearing, multiple cutting and chipping) should not be regrooved but retreaded. All tyres that are marked 'Regroovable' in the sidewall areas have extra undertread thickness for regrooving purposes.

07. Under NO circumstances should the tyre be completely worn before regrooving. It is strongly recommended to regroove when 3 to 6 mm of the original design is still left.

08. Determine the blade setting depth for each individual tyre as follows:

    a. Measure the remaining groove depth **AT THE POINT OF LOWEST TREAD DEPTH.**

    b. Set the blade in the cutter head to the 'Minimum Remaining Groove Depth' + 3 mm maximum regrooving depth. This will maintain a 3 mm gauge under the regrooved tread.

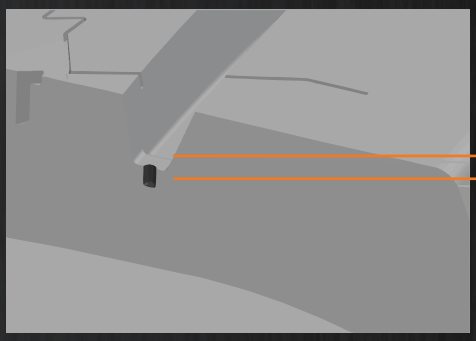
    c. While regrooving, hold the cutter so that the underside of the cutting head is flush against the tread surface.

    d. The maximum regrooving depth for all CEAT TBR tyres is 3 mm.

    e. If the wear is irregular, probing of the remaining undertread gauge is necessary to ensure that 3 mm of undertread will remain after regrooving.

PARAMETERS

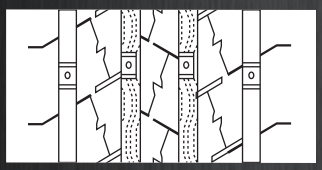
Regroove CEAT truck tyres when there is still sufficient tread depth. Suggested remaining tread depths are: 3-4 mm for regular highway use; 5-6 mm in operating conditions where penetration damage is likely more.



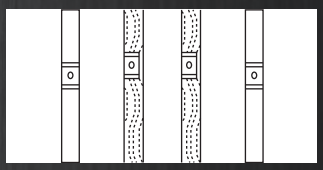
REGROOVING GUIDELINES – TBR TYRES

WinMile - S - WMS | WinMile D – WMD | WinMile T - WMT

WMS – New Tyre

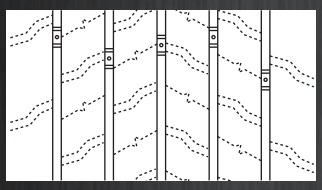


WMS – 80% Worn Out

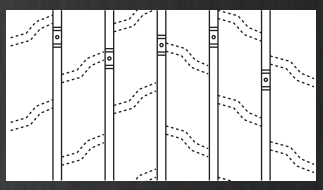


WMS – Regrooved

WMD – New Tyre

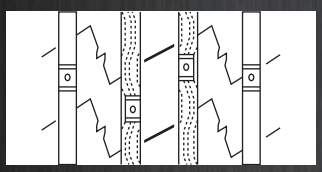


WMD – 80% Worn Out

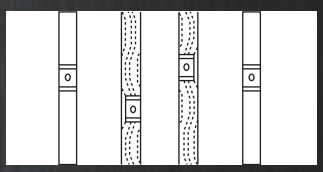


WMD – Regrooved

WMT – New Tyre



WMT – 80% Worn Out



WMT – Regrooved

LOAD TABLE

Conversion of Load Indexes (LI) into Load Capacities Per Tyre (kg and lbs)

LI	KG	LBS
80	450	990
81	462	1020
82	475	1045
83	487	1075
84	500	1100
85	515	1135
86	530	1170
87	545	1200
88	560	1235
89	580	1280
90	600	1325
91	615	1355
92	630	1390
93	650	1435
94	670	1475
95	690	1520
96	710	1565
97	730	1610
98	750	1655
99	775	1710
100	800	1765
101	825	1820
102	850	1875
103	875	1930
104	900	1965
105	925	2040
106	950	2095
107	975	2150
108	1000	2205
109	1030	2270

LI	KG	LBS
110	1060	2335
111	1090	2405
112	1120	2470
113	1150	2535
114	1180	2600
115	1215	2680
116	1250	2755
117	1285	2835
118	1320	2910
119	1360	3000
120	1400	3085
121	1450	3195
122	1500	3305
123	1550	3415
124	1600	3525
125	1650	3640
126	1700	3750
127	1750	3860
128	1800	3970
129	1850	4080
130	1900	4190
131	1950	300
132	2000	4410
133	2060	4540
134	2120	4675
135	2180	4805
136	2240	4940
137	2300	5070
138	2360	5205
139	2430	5355

LI	KG	LBS
140	2500	5510
141	2575	5675
142	2650	5840
143	2725	6010
144	2800	6175
145	2900	6395
146	3000	6615
147	3075	6780
148	3150	6945
149	3250	7165
150	3350	7385
151	3450	7605
152	3550	7825
153	3650	8045
154	3750	8265
155	3875	8545
156	4000	8820
157	4125	9095
158	4250	9370
159	4375	9645
160	4500	9920
161	4625	10195
162	4750	10470
163	4875	10745
164	5000	11025
165	5150	11355
166	5300	11685
167	5450	12015
168	5600	12345
169	5800	12785
170	6000	13230

SPEED TABLE

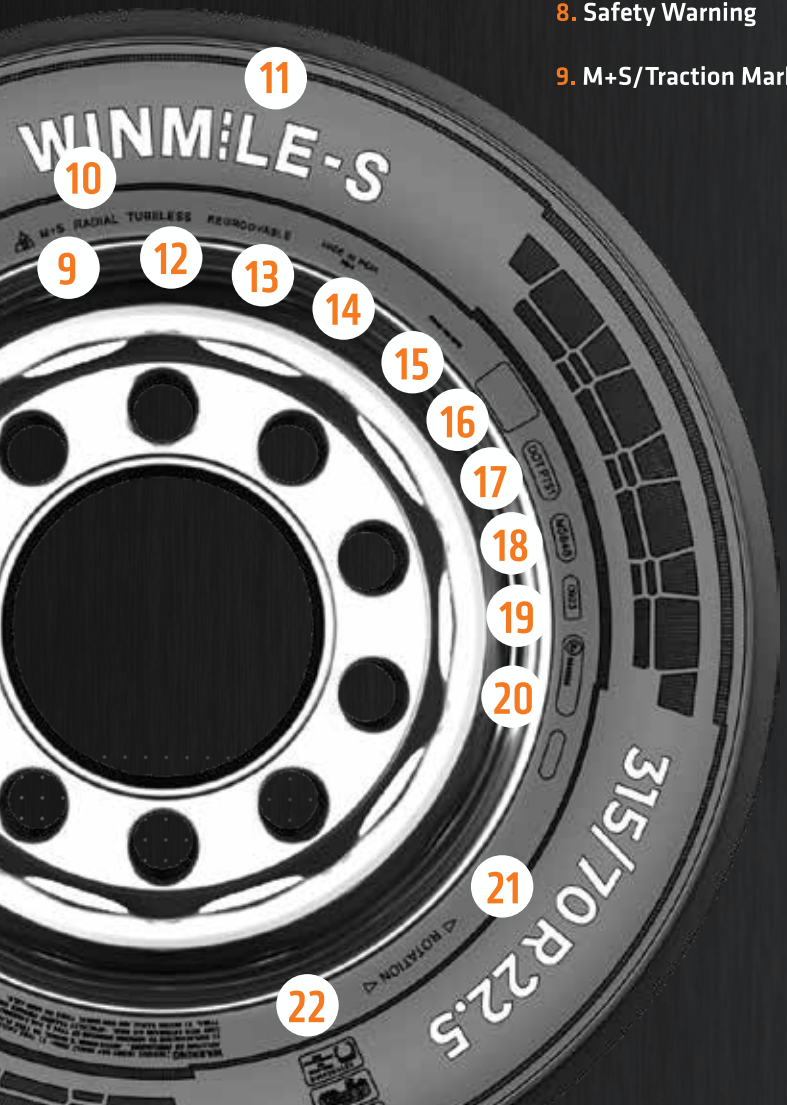
SYMBOL	KM/H	MPH
E	70	43
F	80	50
G	90	56
J	100	62
K	110	68
L	120	75
M	130	81
N	140	87
P	150	93
Q	160	99
R	170	106
S	180	112
T	190	118

Speed Symbols km/h and mph

CEAT

SIDEWALL MARKINGS

1. Test Inflation Pressure
2. Load Range
3. Ply Rating
4. Load and Speed Details
5. Supplementary Service Description
6. Nominal Load Index and Speed Symbol
7. Manufacturer's Name
8. Safety Warning
9. M+S/Traction Marking

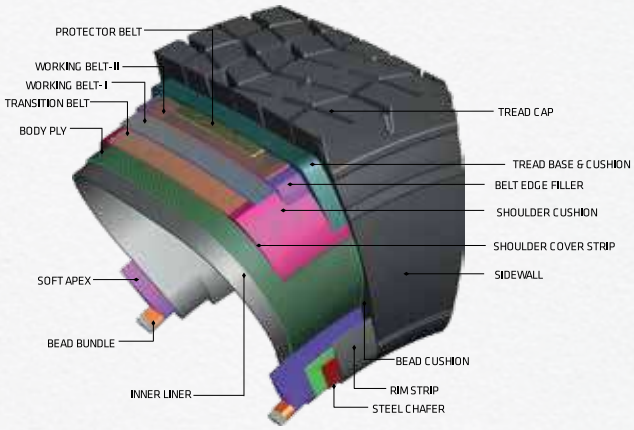


10. Construction Details
11. Product Name
12. Tubeless
13. Regroovable
14. Country of Origin
15. All Steel Radial
16. Provision for Hot Branding
17. Dot Marking
18. Serial Number
19. Week and Year Code
20. Ece Marking
21. Size Marking
22. Recommended Segment and Axle Position

TYRE CONSTRUCTION

TREAD

Tread comes in direct contact with the road and provides traction required to manoeuvre the vehicle. The design of the tread varies with the application type and axle position in the vehicle. The tread base helps in minimising the temperature.



BELTS

Steel belts restrict the casing growth, minimise distortion of the tyre surface contacting the ground and provide puncture resistance. Steel belts restrict case growing during use and increase the tyre's structural strength.

BODY PLY

These plies give the tyre its structural strength, ability to contain air pressure, its deflection characteristics and provide sidewall impact resistance. They transmit all load, driving, braking and steering forces between the wheel and tyre tread.

BELT EDGE FILLER

Rubber skim is placed at the ends of working belts. This aims to reduce the shear forces acting on the belt ends during the tyre use.

SHOULDER CUSHION

Shoulder cushions are contoured rubber strips placed on the body ply under the belt ends. They help provide belt contouring and insulate the body ply from belt edges.

SIDEWALL

The sidewall flexing enables ride comfort and lateral stability. The surface of the sidewall is engraved with all information relating to the loading and speed capacity, inflation pressure, and brand/product name.

BEAD BUNDLE

Bead bundles are continuous rubber-coated high tensile wires wound to form a high-strength unit to the specific diameter that fits the inflated tyre perfectly on a wheel rim. They are the anchor that maintains the carcass seated on the rim, and resists the pull force of carcass cords tensioned by inflation pressure.

INNER LINER

This is made from a compound with very low permeability. It prevents the diffusion of air and moisture through the tyre structure.

RIM STRIP

This is the rubber layer between body ply and wheel rim. It is in direct contact with the wheel rim and is designed to undergo the rigour of mounting and demounting.

APEX

The apex is a rubber profile placed above the bead bundle, which provides a smooth transition from the stiff bead area to the flexible sidewall.

CHAFER

The chafer is a strip of wire placed around the body ply cord in the bead area. Its purpose is to protect the bead area from damage during mounting/demounting and reduce the effects of chafing between the wheel and tyre bead.

TYRE DIMENSIONS

1. SECTION WIDTH (SW)

The linear distance between the outside of the sidewalls of an inflated tyre, excluding the elevations due to labelling, decorations and protective bands or ribs.

2. TREAD WIDTH

The linear distance between the edges of the tread design area of an inflated tyre.

3. SECTION HEIGHT

The distance from the bed seat to the outer tread design area of an inflated tyre.

4. LOAD SECTION WIDTH

The width of the loaded cross section of an inflated tyre.

5. OVERALL DIAMETER (OD)

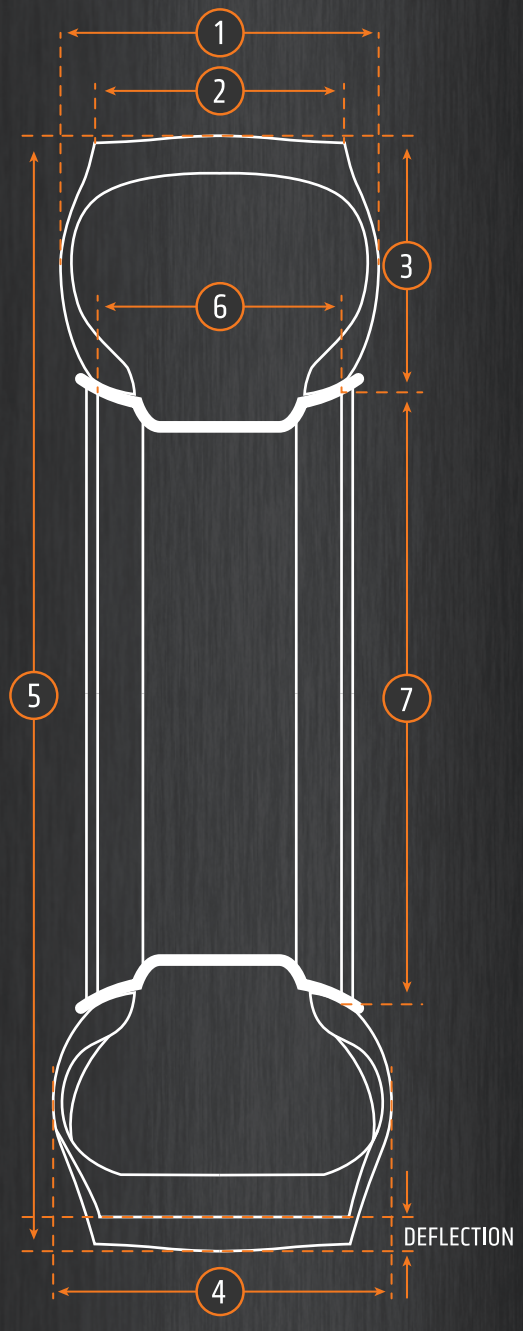
The diameter of an inflated tyre at the outermost surface of the tread.

6. RIM WIDTH

The width of the rim measured from flange to flange.

7. NORMAL RIM DIAMETER

The diameter of the rim measured from seat to seat.



EUROPEAN TYRE LABELLING

New European Tyre Label Regulation (EU) 2020/740 of the European Parliament and of the Council came into force from 25 May 2020. These tyre labels indicate performance in three categories: Rolling Resistance, Braking in Wet Conditions and Exterior Noise.

FUEL EFFICIENCY

Lower rolling resistance saves fuel. The values A to E indicate the effect on fuel consumption, from low to high. The black arrow next to the letter class indicates the product's performance level, although the effect may vary depending on the vehicle and driving conditions.

WET GRIP

In the category 'grip on a wet road surface', the classifications A to E indicate the relative braking distances - from short to long - on a wet road surface, although the effect may vary depending on the vehicle and driving conditions.

EXTERIOR NOISE LEVELS

The exterior noise levels are measured in decibels (dBs), divided into three classes. Tyres with a low noise level cause less noise pollution.

Tyre with a low exterior noise level
The rolling noise emission of this tyre is at least 3 dB below the European Regulation.

Tyre with an average exterior noise level
The rolling noise emission of the tyre falls within the new limit, and represents the European Regulation.

Tyre with a high exterior noise level
This no longer meets the European Regulation.

By ensuring that your tyres are at the right pressure and regularly checking for optimum fuel efficiency and maximum wet grip, you can have a major influence on fuel savings and road safety. An efficient driving style also has a significant effect on the fuel consumption, while making sure that you have sufficient braking distance can be crucial. It is also worth remembering that the three label criteria, although important, are not the only performance parameters.

FRT

(FREE ROLLING TYRE)

A tyre which may only be fitted on trailer or tag axles, and not on drive or front axles.

M+S

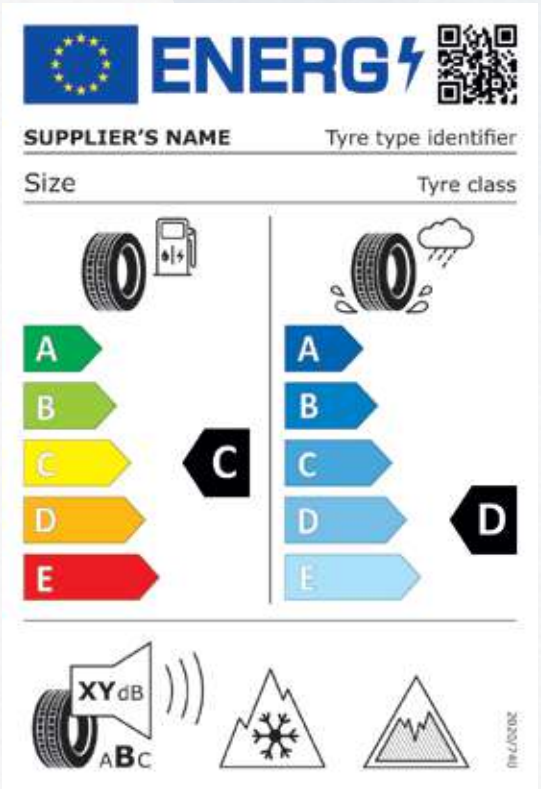
(MUD AND SNOW)

This relates to the tyre's grip and braking performance in mud and fresh/melting snow.

3PMSF

(THREE PEAK MOUNTAIN SNOWFLAKE)

Tyres with these markings have passed snow acceleration tests in winter conditions (as defined in the UNECE Regulations 117.02 and the UNECE 109) which makes them suitable for use on snowy or icy roads.



WARRANTY CONDITIONS

WHAT IS COVERED?

All manufacturing defects up to original tread life or 5 years from the date of production, whichever is earlier.

WHAT IS NOT COVERED?

Tyres which become unserviceable due to:

- Road hazard injury (e.g., a cut, snag, bruise, impact damage or puncture).
- Incorrect mounting of the tyre, tyre/wheel imbalance,
- Misapplication, improper maintenance, overload, under-inflation, over-inflation or other abuse resulting in casing damage or fatigue.
- Tyres damaged on account of fire, accident, climatic conditions, improper storage or any other external factors.
- The addition of liquid, solid or gaseous materials other than air, nitrogen or carbon dioxide.
- Uneven or rapid wear caused by mechanical irregularity in the vehicle, such as wheel misalignment or worn/damaged suspension components, resulting in damage to the under-tread, carcass, or steel belts.
- Tyres worn out beyond tread pattern (belt exposed) shall not be considered.
- Tyres which are retreaded and regrooved.

WARRANTY CLAIMS COMPENSATION

The compensation will be calculated on a pro-rata basis, i.e., Remaining Tread Depth (mm) of Supplied Tyre (RTD) / Original Tread Depth (OTD) X Buying Price.

The cost-of-service operations in connection with tyre replacement are to be met by the user.

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