For industrial technique

# Tyres for industrial technique

## BORN UP NORTH

**There is no eternal. There is reliable.**

Formula for success is not to stop upon the achieved result. The tyres of the plant NORTEC pass successfully thousands kilometers of roads, off-road. The new direction of the plant is exploration of severe road conditions. Creating tyres for industrial technique is not only big and labor-consuming work, but no less responsibility. The responsibility for making the final product approve itself as reliable, efficient, secure.



NORTEC RUSSIA

# Content

# Special modifications of tyres

The tyres supplied for the needs of the Ministry of Defense of the Russian Federation and other military authorities, according to GOST 13298, GOST 5513, GOST 4754, have the following indexes:
-Guaranteed life;
-Guaranteed storage life.

A number of models produced for the needs of the Ministry of Defense of the Russian Federation and other military authorities can also differ from other types of tyres produced in series by other technical characteristics.
For example:
-Load indexes;
-Speed indexes.

Production of the indicated tyres requires readjustment of the equipment. The order for production can be accepted not less than 30 days before the date of the beginning of production.

Tyres produced in tropic and arctic version can also have technical characteristics different from those produced in series. Due to the readjustment of the equipment, the order for production can be accepted not less than 30 days before the date of the beginning of production.



Hot line telephone number:
BaRo GmbH - 040/21 90 12 90

# Tyres
# for industrial technique

NORTEC

## NorTec IND 247



| Tyre size | 23.5-25 | |
|---|---|---|
| Standard description | TS 38.304-133 | |
| Tyre pattern | Cross country | |
| Ply rating | 20 | 24 |
| Tyre weight, not more, kg | 226.7 | 260.9 |
| Load bearing capacity index | 177 | 180 |
| Recommended rim | 19.5-25/2.5 | |
| Exterior diameter, mm | 1617±1.5% | |
| Section width, mm, not more | 620 | |
| Static radius, mm | 720±1.5% | |
| $Q_{max}$ kgf | 7300 | 8000 |
| $P_o$, kPa | 300 | 350 |
| $V_{max}$, km/h | 50 | |
| Design | TT | |
| Use | Construction, road-building, carrying and lifting machinery. | |

NORTEC

# NorTec ER-205



| Tyre size | 23.5-25 | 20.5-25 | 17.6-25 |
|---|---|---|---|
| Standard description | TS 38.304-185 | TS 38.304-191 | TS 38.304-167 |
| Tyre pattern | Mining L-3, E-3, G-3 | | |
| Ply rating | 16/18/20 | 16/20 | 12/16/20 |
| Tyre weight, not more, kg | 226.7 | 168.4 | 117.7/117.2 |
| Load bearing capacity index | 171/174/177 | 167/170 | 153/158/164 |
| Recommended rim | 19.0-25/2.5 | 17.00-25/2.5 | 14.00-25/2.5 |
| Exterior diameter, mm | 1615±22 | 1492±22 | 1350±1.5% |
| Section width, mm, not more | 595 | 520 | 445 |
| Static radius, mm | 719±11 | 677±11 | 611±1.5% |
| $Q_{max}$ kgf | 6150/6700 /7300 | 5450/6000 | 3650/4250 /5000 |
| $P_o$, kPa | 225/275/300 | 275/325 | 225/300/164 |
| $V_{max}$, km/h | 50 | 50 | 50 |
| Design | TT/TL | TT/TL | TT/TL |
| Use | Construction, road-building, carrying and lifting machinery, land graders, dumpers with the lifting capacity of 23 t, loaders. | | |

# Tyres
# for industrial technique

NORTEC

## NorTec ER-106



| Tyre size | 20.5-25 | 17.5-25 |
|---|---|---|
| Standard description | TS 38.304-161 | TS 38.304-167 |
| Tyre pattern | Cross country G-2 type | |
| Ply rating | 16/20/28 | 12/16/20 |
| Tyre weight, not more, kg | 108.4/170.8 | 117.7/117.2/ tubeless 113 |
| Load bearing capacity index | 167/170/179 | 153/158/164 |
| Recommended rim | 17.00-25/2.0 | 14.00-25/1.5 |
| Exterior diameter, mm | 1492±22 | 1350±1.5% |
| Section width, mm, not more | 520 | 445 |
| Static radius, mm | 677±11 | 611±1.5% |
| $Q_{max}$ kgf | 5450/6000/7750 | 3650/4250/5000 |
| $P_o$, at $Q_{max}$, kgf/sm$^2$ / P at $Q_{ec}$ | 275/325/500 | 225/300/164 |
| $V_{max}$, km/h | 50 | |
| Design | TL | |
| Use | 17.5-25 Construction, road-building, carrying and lifting machinery, land graders, dumpers with the lifting capacity of 23 t, loaders. | |

# Tyres
# for industrial technique

NORTEC

## NorTec IND 76



| Tyre size | 18.00-25 |
|---|---|
| Standard description | TS 38.304-132 |
| Tyre pattern | Mining (E-3) |
| Ply rating | 32 |
| Tyre weight, not more, kg | 243.1 |
| Load bearing capacity index | 183 |
| Recommended rim | 13.00-25/2.5 |
| Exterior diameter, mm | 1615±25 |
| Section width, mm, not more | 498±15 |
| Static radius, mm | 745±13 |
| $Q_{max}$ kgf | 8750 |
| $P_o$, at $Q_{max}$, kgf/sm$^2$ | 6.50±0.25 |
| $V_{max}$, km/h | 50 |
| Design | TT |
| Use | BelAZ-7540, 7541, 79202, -74212.<br>MoAZ-7508, -4055, -7405. |

# Tyres
# for industrial technique

NorTec TC-107



| Tyre size | 16.9-28 | 18.4-26 |
|---|---|---|
| Standard description | TS 38.304-165 | TS 38.304-190 |
| Tyre pattern | Cross country | |
| Ply rating | 12 | |
| Tyre weight, not more, kg | 90.1 | 92.9 |
| Load bearing capacity index | 152 | 156 |
| Recommended rim | W15L (W14L) | W16Lx2<br>W15Lx26 |
| Exterior diameter, mm | 1410±20 | 1425±1.5% |
| Section width, mm, not more | 429 | 467 |
| Static radius, mm | 660±10 | 665±1.5% |
| $Q_{max}$ kgf | 3550 | 4000 |
| $P_o$, at $Q_{max}$, kgf/sm² | 2.6 | 250 kPa |
| $V_{max}$, km/h | 40 | |
| Design | TL | |
| Use | Rubber-tyre mounted excavators, construction and carrying and lifting machinery, front-end loaders, land graders, excavator-loaders. | |

# Tyres
# for industrial technique

NORTEC

## NorTec TC-108



| Tyre size | 16.9-24 |
|---|---|
| Standard description | TS 38.304-176 |
| Tyre pattern | Cross country |
| Ply rating | 12 |
| Tyre weight, not more, kg | 71.6 |
| Load bearing capacity index | 149 |
| Recommended rim | W15L W14L |
| Exterior diameter, mm | 1310±1.5% |
| Section width, mm, not more | 429 |
| Static radius, mm | 610±2.5% |
| $Q_{max}$ kgf | 3250 |
| $P_o$, at $Q_{max}$, kPa | 260 |
| $V_{max}$, km/h | 40 |
| Design | TL |
| Use | Rubber-tyre mounted industrial excavators, loaders, carrying and lifting and agricultural machinery. |

# Tyres
# for industrial technique

NORTEC

## NorTec TC-106



| Tyre size | 16.0-70-20 | |
|---|---|---|
| Standard description | TS 38.304-163 | |
| Tyre pattern | Cross country | |
| Ply rating | 10 | 14 |
| Tyre weight, not more, kg | 61 | 68 |
| Load bearing capacity index | leading wheel 143/ guide wheel 131 | leading wheel 150/ guide wheel 138 |
| Recommended rim | 13 SDC-20 | |
| Exterior diameter, mm | 1095 | |
| Section width, mm, not more | 408 | |
| Static radius, mm | 504 | |
| $Q_{max}$ kgf/ $Q_{ec}$ | leading wheel 2725/ guide wheel 1950 | leading wheel 3350/ guide wheel 2360 |
| $P_o$, at $Q_{max}$, kgf/sm$^2$ / P at $Q_{ec}$ | 2.5 | 3,5 |
| $V_{max}$, km/h | A8(40) | |
| Design | TL | |
| Use | Pneumatic tyres for construction, road-building, carrying and lifting and mining machinery. | |

# Tyres for industrial technique

## Forward Industrial 140



| Tyre size | 16.0-24 | |
|---|---|---|
| Standard description | TS 38.304-109 | |
| Tyre pattern | Cross country | |
| Ply rating | 12 | 24 |
| Tyre weight, not more, kg | 116.6 | 158.7 |
| Load bearing capacity index | 157 | 171 |
| Recommended rim | 11.25; (11.50) | |
| Exterior diameter, mm | 1475±23 | |
| Section width, mm, not more | 432±14 | |
| Static radius, mm | 663±12 | |
| $Q_{max}$ kgf | 4125 | 6150 |
| $P_o$, at $Q_{max}$, kPa±25 | 250 | 500 |
| $V_{max}$, km/h | 50 | |
| Design | TT | |
| Use | Lifting cranes K-631, K-631M, K-1001, KP-100, KP-63, loaders TO-18 and land graders DZ-98, D-736, D-395A, D-359B. | |

# Tyres
# for industrial technique

NorTec GD-106



| Tyre size | 14.00-24 |
|---|---|
| Standard description | TS 38.304-169 |
| Tyre pattern | Cross country |
| Ply rating | 16 |
| Tyre weight, not more, kg | 82.8 |
| Load bearing capacity index | 153 |
| Recommended rim | 8.00TGx24SDG (10.00 VAx24SDG) |
| Exterior diameter, mm | 1348±1.5% |
| Section width, mm, not more | 362 |
| Static radius, mm | 608±1.5% |
| $Q_{max}$ kgf | 3650 |
| $P_o$, at $Q_{max}$, kPa | 376 |
| $V_{max}$, km/h | 40 |
| Design | TL |
| Use | For land graders and rollers. |

NORTEC

# NorTec GD-113



| Tyre size | 14.00-20 | |
|---|---|---|
| Standard description | TS 38.304-200 | |
| Tyre pattern | Cross country | |
| Ply rating | 10 | 16/18/20 |
| Tyre weight, not more, kg | 88.2 | 95.2 |
| Load bearing capacity index | 139/145 | 155/158/159 |
| Recommended rim | 8.5(10.0G) | 10.0(8.5) |
| Exterior diameter, mm | 1220±18 | 1220±18 |
| Section width, mm, not more | 360/375.5 | 375 |
| Static radius, mm | 555±9 | 555±9 |
| $Q_{max}$ kgf | 2450/2900 | 3875/4250/4375 |
| $P_o$, at $Q_{max}$, kPa | 250/330 | 425/500/530 |
| $V_{max}$, km/h | 85/50 | 50/50/50 |
| Design | TT | |
| Use | Road-building machines, land graders, front-end loaders, truck cranes, trailers (semi-trailers), heavy trucks and other machines. | |

# Tyres
# for industrial technique

NORTEC

## NorTec TC-106



| Tyre size | 12.5/80-18 |
|---|---|
| Standard description | TS 38.304-145 |
| Tyre pattern | Cross country |
| Ply rating | 12 |
| Tyre weight, not more, kg | 47.3 |
| Load bearing capacity index | 138/125 |
| Recommended rim | 11x18 (9x18) |
| Exterior diameter, mm | 987±1.5% |
| Section width, mm, not more | 308 |
| Static radius, mm | 465±1.5% |
| $Q_{max}$ kgf | 2360/1650 |
| $P_o$, at $Q_{max}$, kPa | 370 |
| $V_{max}$, km/h | 40 |
| Design | TL |
| Use | For tractors used in construction and road industry. |

NorTec ER-112



| Tyre size | 12.00-20 |
|---|---|
| Standard description | TS 38.304-197 |
| Tyre pattern | Cross country (L-2) |
| Ply rating | 20 |
| Tyre weight, not more, kg | 69.8 |
| Load bearing capacity index | 151 |
| Recommended rim | 8.5-20 |
| Exterior diameter, mm | 1133±18 |
| Section width, mm, not more | 315 |
| Static radius, mm | 532±10 |
| $Q_{max}$ kgf | 3500 |
| $P_o$, at $Q_{max}$ | 640+25 kPa |
| $V_{max}$, km/h | 50 |
| Design | TT |
| Use | Excavating machines including utility bucket excavators of type EO-3323 and their modifications. |

# Tyres
# for industrial technique

NorTec IND 02



| Tyre size | 10.00-16.5 | 12.00-16.5 |
|---|---|---|
| Standard description | TS 38.304-200 | |
| Tyre pattern | Cross country | |
| Ply rating | 8 | 10 |
| Tyre weight, not more, kg | 24.7 | 28.3 |
| Load bearing capacity index | 131 | 140 |
| Recommended rim | 8.25-16.5 | 9.75-16.5 |
| Exterior diameter, mm | 773±1.5% | 825±1.5% |
| Section width, mm, not more | 264 | 310 |
| Static radius, mm | 384±1.5% | 388±1.5% |
| $Q_{max}$ kgf | 1950 | 2500 |
| $P_o$, at $Q_{max}$, kPa | 375 | 450 |
| $V_{max}$, km/h | 85/50 | 50/50/50 |
| Design | TT | |
| Use | Construction, road-building and carrying and lifting machines (skidsteers). | |

# Tyres for industrial technique

NORTEC

## NorTec CT-311



| Tyre size | 11.00-20 |
|---|---|
| Standard description | TS 38.304-193 |
| Tyre pattern | Smooth tread (L-35) |
| Ply rating | 12 |
| Tyre weight, not more, kg | 69.8 |
| Load bearing capacity index | 155 |
| Recommended rim | 8.0-20 |
| Exterior diameter, mm | 1080±16 |
| Section width, mm, not more | 304 |
| Static radius, mm | 500±8 |
| $Q_{max}$ kgf | 3865 |
| $P_o$, at $Q_{max}$ kgf/sm$^2$ | 3.0-6.0 |
| $V_{max}$, km/h | 16 |
| Design | TT |
| Use | For rollers. |

# Tyres
# for industrial technique

NORTEC
NorTec ER 117

Φ-201



| Tyre size | 10.0/75-15.3 | | |
|---|---|---|---|
| Standard description | TS 38.304-177 | | |
| Tyre pattern | Cross country Check | | |
| Ply rating | 6 | 10 | 12 |
| Tyre weight, not more, kg | 25.5 | 25.6 | 25.4 |
| Load bearing capacity index | 112 | 123 | 126 |
| Recommended rim | 9.00-15.3 | | |
| Exterior diameter, mm | 785±12 | | |
| Section width, mm, not more | 267 | | |
| Static radius, mm | 355±8 | | |
| $Q_{max}$ kgf | 1120 | 1525 | 1695 |
| $P_o$, at $Q_{max}$ kgf/sm$^2$ | 2.4 | 4.0 | 4.8 |
| $V_{max}$, km/h | 30 | | |
| Design | TT | | |
| Use | Road-building and carrying and lifting machines, as well as low-loading trailers. | | |

NORTEC

# NorTec ER-109



| Tyre size | 10.00-20 |
|---|---|
| Standard description | TS 38.304-146 |
| Tyre pattern | Cross country |
| Ply rating | 16 |
| Tyre weight, not more, kg | 49.8 |
| Load bearing capacity index | 146 |
| Recommended rim | 7.5-20 (7.0-20, 8.0-20) |
| Exterior diameter, mm | 1050±1.5% |
| Section width, mm, not more | 275 |
| Static radius, mm | 498±1.5% |
| $Q_{max}$ kgf | 3000 |
| $P_o$, at $Q_{max}$ kH | 750 kPa |
| $V_{max}$, km/h | 50 |
| Design | TT |
| Use | For rubber-tyre mounted excavators. |

# Tyres
# for industrial technique

NORTEC NorTec FT-216 / ЛФ-268



| Tyre size | 8.25-15 | |
|---|---|---|
| Standard description | TS 38.304-120 | |
| Tyre pattern | Road with lengthwise grooves | |
| Ply rating | 12 | 14 |
| Tyre weight, not more, kg | 31.8 | 32.1 |
| Load bearing capacity index | 146 | 143 |
| Recommended rim | 6.5 (5.00S) | |
| Exterior diameter, mm | 836±12% | |
| Section width, mm, not more | 228±7 | |
| Static radius, mm | 384±6 | 388±6 |
| $Q_{max}$ kgf to leading wheel/ to guide wheel | 3900/3000 | 2725 |
| $P_o$, at $Q_{max}$ kgf/sm$^2$ | 7.1 | 8.2 |
| $V_{max}$, km/h | 25 | 50 |
| Design | TT | |
| Use | Carrying and lifting machines type of truck loader PV-502, loaders UMZ AP, trailers UMZ AP. | |

# Tyres
# for industrial technique

NORTEC

## NorTec FT-210



| Tyre size | 8.15-15 | |
|---|---|---|
| Standard description | TS 38.304-152 | |
| Tyre pattern | Special with wide lateral ribs | |
| Ply rating | 10 | 14 |
| Tyre weight, not more, kg | 20.6 | 20.7 |
| Load bearing capacity index | 146 | 156 |
| Recommended rim | 7.0-15 | |
| Exterior diameter, mm | 678±10 | |
| Section width, mm, not more | 210 | |
| Static radius, mm | 305±5 | |
| $Q_{max}$ kgf | 3000 | 3950 |
| $P_o$, at $Q_{max}$ kgf/sm$^2$ | 8.16 | 8.97 |
| $V_{max}$, km/h | 25 | |
| Design | TT | |
| Use | For fork loaders DZ 2792 BALKAN-CAR and others with the lifting capacity up to 3 t. | |

# Tyres
# for industrial technique

NORTEC

## FT-214



| Tyre size | 6.50-10 | | | 7.00-12 | | |
|---|---|---|---|---|---|---|
| Standard description | TS 38.304-149 | | | TS 38.304-215 | | |
| Tyre pattern | Universal | | | Universal | | |
| Ply rating | 10 | 12 | 14 | 12 | 14 | 16 |
| Tyre weight, not more, kg | 12.25 | 14.35 | 18 | 19 | | 19 |
| Load bearing capacity index | 122 | 125 | 128 | 133 | 134 | 136 |
| Recommended rim (admission) | 5.00F-10 | | | 5.00S-12 | | |
| Exterior diameter, mm | 588+9 | | | 672+9 | | |
| Section width, mm, not more | 177 | | | 192 | | |
| Static radius, mm | 266+5 | | | 295+5 | | |
| $Q_{max}$, kgf to leading wheel/ to guide wheel | 1500 | 1650 | 1800 | 2060 | 2120 | 2240 |
| $P_o$ at $Q_{max}$, kgf/sm² | 7.9 | 9.2 | 10.2 | 8.7 | 9.2 | 10.2 |
| Vmax, km/h | 25 | | | | | |
| Design | TT | | | TT/TL | | |
| Use | For fork loaders with the lifting capacity up to 2 t and electric trucks. | | | Pneumatic tyres for construction, road-building, carrying and lifting and mining machines. | | |

# Tyres
# for industrial technique

NORTEC

## FT215



| Tyre size | 6.50-10 | | | 7.00-12 | | |
|---|---|---|---|---|---|---|
| Standard description | TS 38.304-149 | | | TS 38.304-215 | | |
| Tyre pattern | Universal | | | Universal | | |
| Ply rating | 10 | 12 | 14 | 12 | 14 | 16 |
| Tyre weight, not more, kg | 13.25 | 14.35 | | 19.05 | 20.10 | |
| Load bearing capacity index | 122 | 125 | 128 | 133 | 134 | 136 |
| Recommended rim (admission) | 5.00F-10 | | | 5.00S-12 | | |
| Exterior diameter, mm | 588+9 | | | 672+9 | | |
| Section width, mm, not more | 177 | | | 192 | | |
| Static radius, mm | 266+5 | | | 295+5 | | |
| $Q_{max}$, kgf to leading wheel/ to guide wheel | 1500 | 1650 | 1800 | 2060 | 2120 | 2240 |
| $P_o$ at $Q_{max}$, kgf/sm² | 7.9 | 9.2 | 10.2 | 8.7 | 9.2 | 10.2 |
| Vmax, km/h | 25 | | | | | |
| Design | TT | | | TT/TL | | |
| Use | For fork loaders with the lifting capacity up to 2 t and electric trucks. | | | Pneumatic tyres for construction, road-building, carrying and lifting and mining machines. | | |

# Supernumerary automobile tubes

| Designation of tube | Designation of tyres, including tubeless related to tube type | Double thickness of tube wall, mm, not less |
|---|---|---|
| **Truck** | | |
| 1200*400-533 | 1200*400-533<br>425/85R21 | 7.0(tread)<br>8.0 (band) |
| 1200*500-508 | 500/70-508 | 7.0(tread)<br>8.5(band) |
| 14.00-20 | 14.00-20 | 6.0(tread)<br>7.0(band) |
| 12.00-20 | 12.00R20<br>12.00-20 | 6.0 |
| 11.00-20 | 11.00R20 | 6.0 |
| 10.00-20 | 10.00R20 | 6.0 |
| 9.00-20 | 9.00R20 | 4.5 |
| 8.25-20 | 8.25R20 | 4.0 |
| 16.00-24 | 16.00-24 mod. F1 140 | 5.0 |

| **Agricultural and for special technique** | | |
|---|---|---|
| 28.1-26 | 28.1-26 mod. ФД-12Д | 4.5 |
| 21.3-24 | 21.3-24 mod. ИЯВ-79 18.4-24 | 4.5 |
| 13.6-38 | 13.6-38 mod. Я-166<br>15.5-38 mod.Ф-2АД | 4.5 |
| 9.5-32 | 9.5-32 mod. В-110 | 4.5 |
| 11.2-20 | 11.2-20 mod.Ф-35 | 3.5 |
| 8.3-20 | 8.3-20 mod. В-105А | 3.8 |
| 7.50-20 | 7.50-20 mod. В-103<br>9.00-20 Altaishina 45 | 3.8 |
| 16.5-18 | 16.5-18 mod. КФ-97 | 5.0 |
| 12-16 | 12-16 mod. Л-163 12.4L- 16 mm Nortec TS-07;<br>13.0/75- 16 mm Nortec IM-06 | 4.0 |
| 9.00-16 | 260/95-16 (9.00-16)<br>mod. Я-324А, F АС-8 | 4.5 |
| 6.50-16 | 6.50-16 mod. Я-275А | 3.0 |
| 5.00-10 | 5.00-10 mod. В -19А | 2.5 |
| 6-12 | 6L-12 Altaishina 421 | 3.2 |
| 9.5-42 | 9.5-42 Altaishina 183 | 4.5 |
| 15.5-18/<br>16.5-18 | 16.5/70-18 КФ-97<br>15.5/16.5-18 КФ-105А | 5.0 |

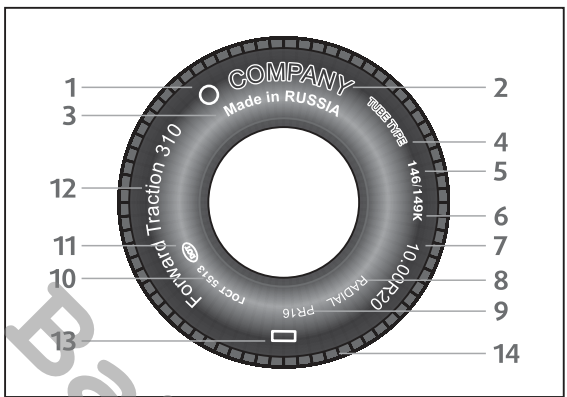
## Supernumerary automobile tubes

| Designation of tube | Designation of tyres, including tubeless related to tube type | Double thickness of tube wall, mm, not less |
|---|---|---|
| **Passenger, light truck** | | |
| 6.95-16 | 195R16C<br>185/75R16C<br>175/80R16<br>175/80-16C<br>175R16C<br>175/80R16C<br>225/75R16 | 3.0 |
| 6.50-16 | 225/75R16C<br>225/75R16<br>195R16C<br>175R16C | 3.0 |
| 8.40-15 | 225/75R16C<br>225/75R16<br>235/75R15<br>225/85R15C<br>31*10.5-15LT<br>215/90-15C | 3.0 |
| 7.35-14 | 205/70R15<br>195/65R15<br>205/70R14<br>205/65R15 | 3.0 |
| УК-13М | 175-13/6.95-13<br>175/70R13<br>165-13/6.45-13<br>155-13/6.15-13<br>6.40-13C | 2.0 |

## Rim strips

| Designation of rim strip | Designation of tyre | Designation of legal requirements | Dimensions of rim strip |
|---|---|---|---|
| 300-508 | 14.00-20 | GOST 13298<br>TS 38.304-108 | Dimensions get determined by a press form |
| 7.7-20 | 12.00-20,<br>10.00R20,<br>11.00R20,<br>12.00R20 | TS 38.304-092<br>TS 38.304-091<br>GOST 5513<br>TS 38.304-097<br>TS 38.304-068 | |
| 6.7-20 | 8.25R20,<br>9.00R20 | GOST 5513 | |
| 9.00-16 | 260/95-16<br>(9.00-16) | GOST 7463,<br>TS 38.10497<br>with changes<br>1-9 | |
| 12-16 | 12-16 | TS 104144-89 | |
| 16.5-18 | 16.5/70-18 | TS 38.304-089 | |
| 16.5-18 | 15.5/65-18 | TS 38.304-110 | |
| 205-457 | 12.00-18 | GOST 13298 | |

# Marking of automobile tyres




**1** – Trademark, logotype
**2** – commercial name
**3** – country of manufacture
**4** – tube type
**5** - load bearing capacity index
**6** – speed index
**7** – designation of tyre dimension
**8** – indication of construction
**9** – ply rating
**10** – indication of legal requirements
**11** – sign of official statement
**12** – designation of tyre model
**13** – date of manufacture
**14** – indicator of wear-out (twi or Δ)

Figures in marking of diagonal tyre (for example, 6.15-13/155-13) mean:

**6.15** – nominal section width in inches;
**13** –diameter at rim seat in inches;
**155** – nominal section width in mm;

Figures and letters in marking of radial tyre (for example, Forward Traction 310.10.00R20 146/143K Radial Tube type) mean:

**10.00** - section width (in inches);
**Forward Traction 310** – model;
**20** – nominal diameter at rim seat (in inches);
**Tube type** – tube design of tyre;
**146/143** – load bearing capacity index for single and dual wheels;
**K** - index of speed category of tyre (max admissible speed of automobile run in km/h).

**Radial** - radial tyre;
**All seasons** – all-season tyre;
**Maximum load** – maximum load;
**Maximum pressure** – maximum pressure corresponding to maximum load. Load is indicated in pounds (LBS), and pressure – in pounds upon square inch (PSI) for tyre in "cold" state (1 LBS=0.4536 kg, 1PSI= 0.0069 MPa).
**TUBE TYPE or TT** – (in German MIT SCHLAUCH) - designation for tube type tyres;
**TUBELESS or TL**- designation for tubeless tyres;
**PR (PLY RATING)** – endurance (load bearing capacity) of carcass is estimated conventionally by so called ply rating. For passenger cars, they use tyres with ply rating 4PR, and sometimes 6PR, in this case the latter have an inscription "Reinforced", i.e. "reinforced" tyre of elevated load bearing capacity.

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