



All-Steel Truck Tyres

TYREX  **ALLSTEEL**





FR-401

295/80R22,5;
315/80R22,5



FR-401 model tyres with road tread pattern and a new carcass design are intended to be mounted onto the steering axle of long-haul MAN, VOLVO, Scania, MAZ, KAMAZ tractors and busses. Due to its multi-purpose designation the tyre shall perform steadily both on highways and regional roads. According to the current market trends the tyre life has been extended to 120 000 km subject to observing the operation procedures.

The form of FR-401 tyre contact patch is similar to the best European benchmarks. Introduction of new tread cap compound formulas provides better abrasive wear resistance, reduction of heat build-up and therefore fuel consumption reduction, which is an important factor in the increased freight volumes environment.

DR-1

295/80R22,5;
315/80R22,5



DR-1DR-1 model is intended for mounting on the driving axle of long-haul tractors MAN, VOLVO, Scania, MAZ, KAMAZ and busses.

It complies with the exclusive safety and durability requirements.

Due to the state-of-art carcass design the guaranteed life of a DR-1 model tyre is 150 000 km subject to observing the operation procedures. New material distribution in the breaker area allowed redistributing effective pressure providing excellent handling in any road conditions and stability at high speed.

Tyre designation	295/80R22,5
Tyre type	tubeless
Tread pattern	road for steering axle
Rim contour designation:	
• recommended	9,00x22,5
• allowed	8,25x22,5
Valve type	AB
Wheel load index (single/twin)	152/148
External diameter, max., mm	1055
Section width, max., mm	298
Static radius	490
Max. load, kN, (kgs):	
• on single tyre	34,83(3550)
• on twin tyre	30,90(3150)
Inflation pressure, kPa (kgs/cm ²)	850(8,7)
Allowed speed, (km/h)	130(M)
Tread regrooving depth, mm	3 max.
Tyre application	Steering axle of commercial vehicles and busses

Tyre designation	315/80R22,5
Tyre type	tubeless
Tread pattern	road for steering axle
Rim contour designation:	
• recommended	9,00x22,5
• allowed	9,75x22,5
Valve type	AB
Wheel load index (single/twin)	154/150
External diameter, max., mm	1087
Section width, max., mm	312
Static radius	500
Max. load, kN, (kgs):	
• on single tyre	36,74(3750)
• on twin tyre	32,86(3350)
Inflation pressure, kPa (kgs/cm ²)	820(8,4)
Allowed speed, (km/h)	130(M)
Tread regrooving depth, mm	3 max.
Tyre application	Steering axle of commercial vehicles and busses

Tyre designation	295/80R22,5
Tyre type	tubeless
Tread pattern	road for driving axle
Rim contour designation:	
• recommended	9,00x22,5
• allowed	8,25x22,5
Valve type	AB
Wheel load index (single/twin)	152/148
External diameter, max., mm	1060
Section width, max., mm	298
Static radius	490
Max. load, kN, (kgs):	
• on single tyre	34,83(3550)
• on twin tyre	35,50(3150)
Inflation pressure, kPa (kgs/cm ²)	850(8,7)
Allowed speed, (km/h)	130(M)
Tread regrooving depth, mm	3 max.
Tyre application	Driving axle of commercial vehicles and busses

Tyre designation	315/80R22,5
Tyre type	tubeless
Tread pattern	road for driving axle
Rim contour designation:	
• recommended	9,00x22,5
• allowed	9,75x22,5
Valve type	AB
Wheel load index (single/twin)	154/150
External diameter, max., mm	1088
Section width, max., mm	312
Static radius	500
Max. load, kN, (kgs):	
• on single tyre	36,74(3750)
• on twin tyre	32,86(3350)
Inflation pressure, kPa (kgs/cm ²)	820(8,4)
Allowed speed, (km/h)	130(M)
Tread regrooving depth, mm	3 max.
Tyre application	Driving axle of commercial vehicles and busses



VC-1; VR-1

275/70R22,5;

295/80R22,5



Truck tubeless radial All-Steel tyre intended for application on the steering and driving axles of busses. Introduction of new compound formulas for tread ply and improved tyre section provide better abrasive wear resistance, reduction of heat build-up and therefore lower rolling resistance.

Distinct circular grooves contribute to better stability and handling.

Stone-ejecting studs protect the breaker from mechanical damage and stone penetration. The state-of-art design of load-bearing elements provides for even wear and improves contact pressure distribution in the contact patch. Vent openings ensure heat elimination from the breaker edge area.

TR-1

385/65R22,5

Truck tubeless radial All-Steel tyre intended for application on commercial trailers.

The tyre has a high technology tread pattern and the state-of-art construction, providing for better handling in any road conditions and stability at high speed. Tyrex All Steel TR-1 has extended tyre cap width and tread pattern depth, which contributes to significantly extended active life.

Introduction of new tread cap rubber compounds on the basis of natural rubber ensures abrasive wear resistance, damage stability, reduction of heat build-up and lower rolling resistance.

Introduction of new tyre section ensures even wear and effective contact pressure distribution in the contact patch.

VM-1

315/80R22,5

Truck multi-position tubeless All-Steel 315/80R 22 .5 tyre model Tyrex All Steel VM-1 intended for application on trucks, operated at construction sites, open cuts as well as general use roads on any axle of the vehicle. The tyre has a state-of-art tread pattern.

The road tread pattern provides:

- Excellent road holding in any climate conditions
- Good grip on dry, wet and snow-covered road.
- Stone-ejecting studs in the grooves protect the breaker from damage.
- Improved tyre life due to extended tread cap and tread pattern depth.

Introduction of new tread cap rubber compounds on the basis of natural rubber provides better abrasive wear resistance and reduction of heat build-up.

Application of new configuration of bead area and effective distribution of the elements in the bead facilitate mounting of the tyre on the rim, provide better sealing, guarantee correct positioning of the bead on the rim and therefore improve safety and durability of the tyre in operation. The adjusted tread cap section configuration improves equal distribution of contact pressure in the road contact area, thus reducing heat build-up and providing for even tread pattern wear, road holding, towing and breaking performance at high speed, good road grip in any climate conditions.



Tyre designation	275/70R22,5
Tyre type	tubeless
Tread pattern	road multi-position
Rim contour designation:	
• recommended	8,25x22,5
• allowed	7,5x22,5
Valve type	AB
Wheel load index (single/twin)	148/145, 152/148*
External diameter, max., mm	972
Section width, max., mm	276
Static radius	447
Max. load, kN, (kgs):	
• on single tyre	30,89(3150), 34,81(3550)*
• on twin tyre	28,45(2900), 30,89(3150)*
Inflation pressure, kPa (kgs/cm ²)	900(9.2)
Allowed speed, (km/h)	100(J), 70(E)*
Tread regrooving depth, mm	3 max.
Tyre application	Steering and drive axles of town busses

Tyre designation	295/80R22,5
Tyre type	tubeless
Tread pattern	road multi-position
Rim contour designation:	
• recommended	9,00x22,5
• allowed	8,25x22,5
Valve type	AB
Wheel load index (single/twin)	152/148
External diameter, max., mm	1060
Section width, max., mm	298
Static radius	490
Max. load, kN, (kgs):	
• on single tyre	34,83 (3550)
• on twin tyre	30,90 (3150)
Inflation pressure, kPa (kgs/cm ²)	850(8,7)
Allowed speed, (km/h)	110(K)
Tread regrooving depth, mm	3 max.
Tyre application	Steering and drive axles of town busses

Tyre designation	385/65R22,5
Tyre type	tubeless
Tread pattern	road for trailer
Rim contour designation:	
• recommended	11,75x22,5
• allowed	12,25x22,5
Valve type	AB
Wheel load index (single/twin)	160
External diameter, max., mm	1088
Section width, max., mm	389
Static radius	500
Max. load, kN, (kgs):	
• on single tyre	44,13 (4500)
• on twin tyre	-
Inflation pressure, kPa (kgs/cm ²)	900(9.2)
Allowed speed, (km/h)	110(K)
Tread regrooving depth, mm	3 max.
Tyre application	Trailers and semi-trailers for heavy trucks

Tyre designation	315/80R22,5
Tyre type	tubeless
Tread pattern	road multi-position
Rim contour designation:	
• recommended	9,00x22,5
• allowed	9,75x22,5
Valve type	AB
Wheel load index (single/twin)	156/150
External diameter, max., mm	1092
Section width, max., mm	312
Static radius	499
Max. load, kN, (kgs):	
• on single tyre	39,24 (4000)
• on twin tyre	32,86 (3350)
Inflation pressure, kPa (kgs/cm ²)	820(8,4)
Allowed speed, (km/h)	110(K)
Tread regrooving depth, mm	3 max.
Tyre application	Trucks: steering and driving axle, mainly operated at construction sites and open cuts, as well as in general use roads



Model	TyRexAllSteel VC-1	TyRexAllSteel FR-401	TyRexAllSteel DR-1	TyRexAllSteel VR-1		TyRexAllSteel FR-401	TyRexAllSteel DR-1	TyRexAllSteel VM-1	TyRexAllSteel TR-1	Y-467 MEDVED
Tyre designation	275/70R22,5	295/80R22,5	295/80R22,5	295/80R22,5		315/80R22,5	315/80R22,5	315/80R22,5	385/65R22,5	11R22,5
Design	All-Steel	All-Steel	All-Steel	All-Steel		All-Steel	All-Steel	All-Steel	All-Steel	All-Steel
Tread pattern	road multi-position	road for steering axle	road for steering axle	road multi-position		road for steering axle	road for steering axle	road multi-position	road for trailer	road
External diameter, mm	958±14	1044±11	1044±16	1044±16		1076±16	1076±16	1076±16	1072±16	1050±15
Section width, mm, under	282	298	298	298		312	312	312	389	279
Static radius, mm	447±7	490±7	490±7	490±7		500±7	500±7	499±7	500±7	489±7
Recommended rim	8,25x22,5	9,00x22,5	9,00x22,5	9,00x22,5		9,00x22,5	9,00x22,5	9,00x22,5	11,75x22,5	8,25x22,5
Acceptable rim	7,50x22,5	8,25x22,5	8,25x22,5	8,25x22,5		9,75x22,5	9,75x22,5	9,75x22,5	12,25x22,5	7,5x22,5
Ply rating	-	-	-	-		-	-	-	-	-
Load Index	148/145, 152/148	152/148	152/148	152/148		154/150	154/150	156/150	160	148/145
Max. load kN (kgs) single/twin tyre	30,89/28,45 (3150/2900) 34,81/30,89** (3550/3150)**	34,83/30,90 (3550/3150)	34,83/30,90 (3550/3150)	34,83/30,90 (3550/3150)		36,74/32,86 (3750/3350)	36,74/32,86 (3750/3350)	32,24/32,86 (4000/3350)	44,13(4500)	30,90/28,45 (3150/2900)
Inflation pressure, for max. load, kPa (kgs/cm²)	900(9,2)	850(8,7)	850 (8,7)	850 (8,7)		820(8,4)	820(8,4)	820(8,4)	900 (9,2)	850 (8,7)
Valve type	AB	AB	AB	AB		AB	AB	AB	AB	AB
Tube designation	tubeless	tubeless	tubeless	tubeless		tubeless	tubeless	tubeless	tubeless	tubeless
Rim strip designation	-	-	-	-		-	-	-	-	-
Tyre weight, kg, under	58	65	70	65		67	70	75	81	60
Max. speed, km/h (Speed Index)	100(J); 70(E)**	130(M)	130(M)	110(K)		130(M)	130(M)	110 (K)	110(K)	115(L)
Tyre application	Steering and driving axle of town busses	Steering axle of trucks and busses	Driving axle of trucks and busses	Steering and driving axle of town and local busses		Steering axle of trucks and busses	Driving axle of trucks and busses	Trucks: steering and driving axle of vehicles, operated mainly at construction sites, open cuts and general use roads	Trailers and semi-trailers for heavy trucks	Trucks: different models of KAMAZ, busses: MAN, Volvo, Neoplan, Scania, Mercedes, LAZ-42071, LAZ-42072
Manufacturer	YTP	YTP	YTP	YTP		YTP	YTP	YTP	YTP	YTP