

THE TESTS OF CORDIANT PROFESSIONAL TYRES ARE CONDUCTED **BY WORLD LEADERS OF INDEPENDENT EXPERTISE**

Worldwide independent test centers - Automobil Test DEKRA (France), Applus IDIADA (Spain), DUKTest (Slovakia), Tyre testing Center Vershina (Russia) have carried out test cycles of Cordiant Professional tyres of various fit diameters: 17.5, 19.5 and 22.5. Continuous round-the-clock tests of truck tyres on Man 18.40 tractor units with fully loaded SCHMITZ, VEREM semi-trailers for several months have confirmed a high level of mileage, which is comparable with European counterparts. All drivers noted the good grip of the tyres, even wear and excellent self-cleaning of the tread.

According to the test results (in accordance with the Regulation (EC) No 1222/2009 of the European Parliament) the Cordiant Professional steering and trailed tyres have a wet grip rating B. This indicator, according to the Euro-labeling, exceeds the indicators of tyres of the world's leading brands. Thus, when operating vehicles with Cordiant Professional tyres in rainy weather, the braking distance is significantly reduced, which ensures considerable increase of transport safety.



THE APPLIED TECHNOLOGIES

Special technologies implemented in the new range of Cordiant Professional ensure a number of advantages, which account for the Cordiant Professional brand's stand-out position among other competitors:

SMART-COR technology: due to improved wear resistance of the tread and a reliable frame, increases the mileage and extends the life cycle of the tyre, thanks to the possibility of regrooving and restoration.

STONE-COR technology: due to the stone ejectors of a unique three-dimensional shape, protects the tread of all (steering, driving, and trailed) tyres from destruction by stones. The tread does not trap stones and is cleared of clumps of mud, thereby improving the grip. STEEL-COR technology: due to the reinforced "U -shaped" tyre bead scheme with high-strength steel-cord bead tape, reinforces the tyre structure and provides additional resistance to overloads

SAVE-COR technology: due to the use of silica and new types of polymers in the rubber compound, reduces the degree of heat generation during tyre operation, providing an increased level of fuel efficiency.



Increases the tyre life considerably

A special rubber compound based on SMART-COR technology with active centers of carbon black-polymer interaction, strengthens the bond between carbon black and rubber providing increased wear resistance of the tyre



STONE-COR Increases the tyre life considerably

A special rubber compound based on SMART-COR technology with active centers of carbon black-polymer interaction, strengthens the bond between carbon black and rubber providing increased wear resistance of the tyre.



Reinforced head structure

Reinforced "U-shaped" bead structure based on the STEEL-COR technology. A special steel-cord bead tape reinforces the bead area and increases the reliability of the tyre under hard operating conditions



Two-layer tread design

The design provides for operational reliability, safety and efficiency. Prevents stones from entering the tread rubber and tread grooves.



STONE-COR Increases the tyre life considerably

A special rubber compound based on SMART-COR technology with active centers of carbon black-polymer interaction, strengthens the bond between carbon black and rubber providing increased wear resistance of the tyre.



TREAD WEAR INDICATOR Wear indicator - a special rubber ledge at the bottom of the groove

The remaining tread depth monitoring for safe tyre operation.

CONSTANT DEPTH SIPE Knife slots of the same depth

The sipes are made at half the depth of the tread pattern blocks without changing their profile. This improves wet braking performance and the grip. The flexibility of the checkers provides increased comfort when driving.

TREAD BLOCK WITH VARIABLE PITCH Tread blocks comprising sectors with variable pitch



222

Winding ring bead

Operating noise levels is reduced considerably, a quiet and comfortable ride is ensured

REINFORCED SIDE GUARD

Reinforced sidewall construction



WINDING BING BEAD

The technology using bead ring wound of separate wire



REGROOVABLE TYRE

Tread regrooving Enables to extend the life of the tyre by regrooving.

152/148* 130 (M)* 154/150 120 (L), 152/148 130 (M) 120 (L), 315/70R22.5 DL-2 18 152/148 315/60B22.5 DL-1 120 (L) 20 295/80B22.5 DB-1 153/148 16 130 (M) 295/75R22,5 **DR-1** 149/146 120 (L) 16 295/60B22.5 DL-1 150/147 110 (K) 18 245/70R19.5 DR-1 136/134 130 (M) 16 235/75B17.5 DR-1 132/130 130 (M) 12 225/75R17.5 129/127 130 (M) 12 DR-1 215/75R17,5 DR-1 126/124 130 (M) 12 205/75R17,5 **DR-1** 124/122 130 (M) 12 154/150, 110 (K), 18 13R22,5 DM-1 156/150* 156/150 110 (K) 20 315/80B22.5 DM-1 22,5 16 12R22,5 DM-1 152/148 | 110 (K) | 148/145 | 110 (K) | 16 | 22.5 | 22.5X8.25 | 22.5X7.50 | 29 11R22.5 DM-1 315/80R22.5 D0-1 157/154 90 (G) 20 23.5 22.5x9.00 22.5x9.75 31 TRAILED AXLE 385/65R22,5 TL-1 160 110 (K) 20 14,5 22,5x11,75 22,5x12,25 40 110 (K), 385/65R22,5 TR-1 160(158*) 20 120 (L) 110 (K), 120 (L)* 385/65R22,5 TR-2 160(158*) 20 385/65B225 TM-1 160 110 (K) 20 110 (K), 385/55B22 5 **TR-1** 160(158*) 20 265/70R19.5 **TB-1** 143/141 100 (J) 16 245/70R17.5 TR-2 143/141 100 (J) 18 TR-2 | 143/141 | 100 (J) | 18 | 235/75R17.5 215/75R17.5 **TR-1** 135/133 100 (J) 16 ALL (STEERING AND DRIVING) AXLES 148/145, 275/70R22,5 VC-1 18 152/148* 70 (E)* 136/134 130 (M) 16 245/70B19.5 VB-1 154/150, 110 (K), 18 13R22,5 VM-1 156/150 315/80B22 5 VM-1 156/150 110 (K) 20 11R22,5 VM-1 148/145 120 (L) 16 19 22,5X8,25 22,5X7,50 25 *Additional operating mode

STEERING AXI F

385/65R22.5

315/80B22.5

315/70R22.5

315/60B22 5

245/70B19.5

215/75R17,5

DRIVING AXLE

315/80R22,5

315/70R22,5 DR-1

315/70R22.5 FR-1

295/80R22,5 FR-1

285/70R19.5 FR-1

120 (L), 110 (K)

110 (K), 120 (L)

120 (L).

156/150, 120 (L),

154/150, 120 (L),

152/148* | 130 (M)*

152/148 130 (M)

152/148 120 (L)

152/148 130(M)

145/143 130 (M)

136/134 130 (M)

154/150, 120 (L),

120 (L)

154/150

154/150* 130 (M)*

20

20

20

18

18

20

16

18

16

16

20

18

FR-1 126/124 130 (M) 12 13 17,5X6,00 17,5X6,75

15,5

22,5

15

FR-1 158(160*)

385/55R22,5 FL-2 160(158*)

FR-1

FL-2

FL-1

FR-1

DB-1

295/60R22,5 **FL-1** 150/147 120 (L)

235/75R17,5 **FR-1** 132/130 130 (M) 12

** POR (Professional off-road) category tyres

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nitial tread depth, mm	Recommended rim designation	Tolerant rim designation	Profile width, mm	Static radius, mm (on the right)	((^P	Euro-labeling	(G •»)	Max. tire load, kN (kgf), single/double	Pressure corresponding to max. load, bar (kPa)
15	22,5X11,75	22,5X12,25	405	493	D	A	71	41,68(4250), 44,13(4500)*/ -	8,5 (850), 9,0 (900)
12,5	22,5x12,25	22,5x11,75	401	464	С	В	70	44,13 (4500), 41,68 (4250)*/-	9,0 (900), 8,5 (850)*
15	22,5X9,00	22,5X9,75	318	500	D	A	71	39,23(4000), 32,85(3350)/ 36,78(3750), 32,85(3350)*	9,0 (900)
15,5	22,5X9,00	22,5X9,75	318	500	D	А	71	36,78(3750), 32,85(3350)/ 34,81(3550), 30,89(3150)*	9,0 (900)
15,5	22,5x9,00	22,5x9,75	318	470	С	В	70	36,78(3750), 32,85(3350)/ 34,81(3550), 30,89(3150)*	9,0 (900)
13,5	22,5X9,75	22,5X9,00	326	444	С	В	69	34,81 (3550)/ 30,89 (3150)	9,0 (900)
15	22,5X9,00	22,5X8,25	310	490	D	А	71	34,81 (3550)/30,89 (3150)	8,5 (860)
13,5	22,5X9,00	22,5X9,75	304	420	С	В	69	32,85(3350)/ 30,16(3075)	9,0 (900)
14	19,5X8,25	19,5X7,50; 19,5X9,00	295	414	D	A	71	28,44(2900)/ 26,72(2725)	8,5 (860)
13	19,5X7,50	19,5X6,75	258	390	D	А	71	21,97(2240)/ 20,79(2120)	8,3 (830)
13,5	17,5x6,75	17,5x7,50	242	372	D	A	71	19,61 (2000)/ 18,63 (1900)	7,9 (790)
13	17.5X6.00	17.5X6.75	220	359	D	Α	71	16.67(1700)/ 15.69(1600)	7.0 (720)
	,,	,,			_			,	
20,5	22,5X9,00	22,5X9,75	318	500	E	В	74		9.0 (900)
20	22,5X9,00	22,5X9,75	318	500	E	В	74	36,78(3750), 32,85(3350)/ 34,81(3550); 30,89(3150)*	9.0 (900)
16,5	22,5x9,00	22,5x9,75	318	475	С	A	73	36,78(3750), 32,85(3350)/ 34,81(3550), 30,89(3150)*	9.0 (900)
19,5	22,5X9,75	22,5X9,00	326	451	D	С	71	34,81(3550)/ 30,89(3150)	9,0 (900)
20,5	22,5X9,00	22,5X8,25	310	487	E	В	74	35,79(3650)/30,89(3150)	9,0 (900)
20	22.5X9.00	22.5X8.25	310	476	E	В	74	31.87(3250)/ 29.42(3000)	8.6 (860)
19.5	22.5X9.00	22.5X9.75	304	430	D	C	71	32 85(3350)/ 30 16 (3075)	9.0 (900)
16	19 5 7 50	19 5 % 75	258	389	F	B	74	21 97(2240)/ 20 79(2120)	8,3 (830)
16.5	17.5×6.75	17.5v7.50	242	372	F	B	74	19.61 (2000)/ 18.63 (1900)	7.9 (790)
16	17.5¥6.75	17.526.00	235	371	E	B	74	18 14 (1850)/ 17 16(1750)	7,3 (730)
10	17,5×0,75	17,570,00	200	371	с г	D	74	10,14 (1000)/ 17,10(1700)	7,2 (720)
10	17,5X0,00	17,5X0,75	220	309	C	D	74		7,2 (720)
15,5	17,5X6,00	17,5X6,75	213	357	E	В	74	15,69(1600)/ 14,71(1500)	7,6 (760)
22,5	22,5X9,75	22,5X9,00	326	521	-	-	_** _**	36,78(3750), 32,85(3350)/ 39,23(4000); 32,85(3350)*	8,6 (860); 9,0 (900)*
22,5	22,5X9,00	22,5X9,75	318	500	-	-	**	39,23(4000) / 32,85(3350)	9,0 (900)
23	22,5x9,00	22,5x8,25	312	504	-	-	-	34,81 (3550)/ 30,89 (3150)	8,6 (860)
22,5	22,5X8,25	22,5X7,50	290	498	-	-	-	30,89 (3150)/ 28,44 (2900)	8,6 (860)
23,5	22,5x9,00	22,5x9,75	318	500	-	-	-	40,45 (4125)/36,78 (3750)	9,0 (900)
14,5	22,5x11,75	22,5x12,25	405	490 500	В	C B	69 69	44,13 (4500) 44 13(4500) 41 68(4250)*/-	9,0 (900)
17.5	22,5X11,75	22,5X12,25	405	190	C	с С	70	44,13(4500), 41,68(4250)*/-	9,0 (900),
17,5	22,3711,73	22,0712,20	405	430	0	0	**	++,13(+300), +1,00(+200) /-	8,5(850)*
18	22,5x11,75	22,5x12,25	405	496	-	_ _	-	44,13 (4500)/-	9,0 (900) 9,0 (900),
10 5	10 5 17 50	19,5X6,75;	401	404		D	69	44,13 (4500), 41,08(4250) /-	8,5 (850)*
13,5	19,577,50	19,5X8,25	212	390		D	09	20,72(2723)/25,25(2575)	0,5 (000)
10,5	17,5X7,5	17,5X6,75	258	365	С	С	70	26,72(2725)/ 25,25(2575)	9,0 (900)
12,5	17,5X6,75	17,5X7,50	233	375	С	С	70	26,72(2725)/ 25,25(2575)	8,6 (860)
12,5	17,5X6,00	17,5X6,75	220	357		В	69	21,38 (2180)/ 20,20 (2060)	8,5 (860)
22	22,5X8,25	22,5X7,50	287	450	D	С		30,89(3150), 28,44(2900)/ 34,81 (3550)/ 30,89 (3150)*	9,0 (900)
15	19,5x7,50	19,5x6,75	258	395±6	D	А	70	21,97(2240)/20,79(2120)	8,3 (830)
18,5	22,5x9,75	22,5x9,00	326	521	D		70	36,78 (3750)/32,85(3350)/ 39,23(4000), 32,85(3350)*	8,6 (860), 9,0 (900)*
17	22,5X9,00	22,5X9,75	318	500	D	А	70	39,23 (4000)/ 32,85(3350)	9,0 (900)
19	22,5X8,25	22,5X7,50	290	495	D	А	70	30,89 (3150)/ 28,44 (2900)	8,6 (860)



RELIABLE TECHNOLOGY FOR EFFICIENT LOGISTICS

SAVE-COR

STONE COR

STEEL-COR

PROFESSIONAL TYRES FOR MODERN TRUCKS AND BUSES



LONG HAUL

The range of long haul tyres is specially designed for long distance operation at high speeds. The use of new generation compounds containing silica and new types of polymers in the belt layers provides an increased level of fuel efficiency while maintaining a high level of mileage. Cordiant Professional long haul tyres ensure the increase of profitability of transport companies specializing in in long haul and federal roads transportations.



FL-1

FL-2



New modern tread patterns for long haul tyres.

• Steering tyres have an increased level of fuel efficiency, which results in an increase in the economic efficiency of the tyres during operation

• A special round belt of a unique geometrical form in the bottom of the shoulder grooves increases the contact spot in the shoulder zone, protecting the tyre from uneven wear when the tread is worn out by 1/3.

• The STONE-COR technology stone ejection elements at the base of the grooves in all models reduce stone jamming and increase resistance to aggressive wear



DL-1

DL-1 (DRIVING AXLE)		DL-2 (DRIVING AXLE)		The second second		
315/60R22.5	152/148 (L)	315/70R22.5	154/150 (L),			
295/60R22.5	150/147 (K)	Λ	152/140 (101)	Oachtén Tirean	Regrossable	SAVE CORE
∕∰ M+S			M+S			

• The DL-1 driving tyre provides increased fuel efficiency due to a new formulation of the rubber compound and a special tread pattern developed for long-distance transportation without frequent acceleration and braking.

• A special system of longitudinal zigzag grooves with transverse sipes and grooves in the shoulder ribs provides increased grip with

the road surface and excellent braking properties • The STONE-COR technology stone ejection elements at the base of the grooves reduce stone jamming and increase resistance

to aggressive wear.

• Reinforced "U-shaped" bead structure based on the STEEL-COR technology. A special steel-cord bead tape reinforces the bead area and increases the reliability of the tyre in hard operating conditions.



DL-2

TL-1 (TRAILED AXLE)	
385/65R22.5 160 (K)	
M+S	

• Provides increased fuel efficiency due to a new formulation of the rubber compound based on the SAVE-COR technology and a special tread pattern developed for long-distance transportation.

• Reinforced "U-shaped" bead structure based on the STEEL-COR technology. A special steel-cord bead tape reinforces the bead area and increases the reliability of the tyre.

• The STONE-COR technology stone ejection elements facilitate pushing foreign objects from the tread grooves increasing resistance to aggressive wear

REGIONAL TRANSPORTATION

In Russia, the majority of highways are regional roads. Such routes are characterized by an uneven road surface, the presence of gravel sections, frequent turns and ramps. Due to the use of special technologies, Cordiant Professional tyres manage to cope with the specifics of regional routes successfully. Along with the unique 3D geometry of the tread grooves preventing stones from entering the tread, Cordiant Professional tyres feature reliable grip and increased mileage. High reliability of the frame enables regrooving and restoration of truck tyres.



FR-1 (ST	EERING AXLE)						
385/65R22.5	158 (L),160 (K)						
315/80R22.5	156/150 (L), 15						
315/70R22.5	154/150 (L), 15						
295/80R22.5	152/148 (M)						
<u>∕</u> ∰ M+S							
Modern tread patta	rn on the 4 groove at						

FR-1

and frequent turns.



DR-1

TR-2

DR-1 (DRIVING AXLE) 315/80R22.5 157/150 (L)

315/70R22.5 154/150 (L),152/148 (M) 295/80R22.5 153/148 (M) 295/75R22.5 149/146 (L) 245/70R19.5 136/134 (M)



Professional steering tyre has a wet grip grading B. and reduces the risk of tread damage.

TR-1 (TRAILED AXLE)							
385/65R22.5	160 (K),158 (L)						
385/55R22.5	160 (K),158 (L)						
265/70R19.5	143/141 (J)						
235/75R17.5	143/141 (J)						
215/75R17.5	135/133 (J)						
M+S*							

• The use of a new rubber compound based on the SMART-COR technology increases cut resistance and reduces abrasion. • Reinforced "U-shaped" bead structure based on the STEEL-COR technology increases the strength of tyres. A special steel-cord bead tape reinforces the bead area and increases tyre reliability

TR-1









CONSTRUCTION SITES AND PASSENGER TRANSPORTATION

Cordiant Professional VM-1, DM-1 and TM-1 construction tyres are specially designed for use on construction sites and quarries. They feature exceptional wear, cut and corrosive resistance due to the application of a stronger special rubber and reinforced metal layers under the tread. The tread patterns of Cordiant Professional bus tyres VC-1 and VR-1 are designed for year-round operation and can be installed on all axles of a vehicle.



the 4-groove steering tyre improves water drainage from the contact patch and enhances control in sharp

• Maximum protection of the tread from stones and confident operation on gravel roads due to the use of STONE-COR technology. • The use of a rubber compound based on the SMART-COR technology ensures improved roadability of the tyres.



According to the test results (in accordance with the Regulation (EC) No 1222/2009 of the European Parliament) the Cordiant

• Unique STONE-COR stone protection. A special stone ejecting belt in the central grooves protects the tyre against stone penetration



M+S*



DM-1

VM-1

D0-1

k	VM-1 (ALL AXLES)		DM-1 (DR	DM-1 (DRIVING AXLE)			
1	315/80R22.5	156/150 (K)	315/80R22.5	156/150 (K)		(020
	11R22.5	148/145 (L)	11R22.5	148/145 (K)	Treast Water		•2•
Ľ.	13R22.5	154/150 (K)	13R22.5	154/150 (K)	Indexer	Gametread	(ring boolt
		156/150 (G)	12R22.5	152/148 (K)			
	M	+S*	PO	R			

• VM-1 model with a versatile pattern for use on roads with frequent visits to construction sites.

• DM-1 model with a directional tread pattern and powerful lugs is most suitable for the use in harsher settings, in quarries and off-road.

• The technology using bead ring wound of separate wire - winding ring bead - reduces tension in bead zone and makes balancing and rim fitting easier.



• An aggressive tread pattern with powerful blocks reduces the risk of rubber tear-outs and protects the shoulder area. Extra tread depth for longer service life.

• Exceptional wear and cut resistance due to the application of a stronger special rubber and reinforced metal layers under the tread. • A special steel-cord bead tape reinforces the bead area and increases the reliability of the tyre in hard operating conditions. • The technology using bead ring wound of separate wire - winding ring bead - reduces tension in bead zone and makes balancing and rim fitting easier.



VC-1 (AL	L AXLES)	VR-1 (ALL	AXLES)		ATTRE CH	BTEL.COM
275/70R22.5	148/145 (J) 152/148 (E)	245/70R19.5	136/134 (M)			
	M+S	M+	·S*	Indeator	Simford	(Onath Treat

The new versatile tread pattern, specifically designed for Russian conditions, provides economic efficiency in urban use, on buses and trolleybuses.

Reinforced Side Guard design protects the tyre against damage due to contacting road curbs and other road obstacles. The sidewall wear indicator enables monitoring the degree of tyre wear.

• Strength and wear resistance of the tread rubber compound are increased due to the increased number of active carbon black-poly mer interaction centers in the SMART-COR compound.

* Additional marking