



# TRACTOR TYRES —



TRAXION OPTIMALL

**VREDESTEIN**  
TYRES

## VREDESTEIN TRAXION CONCEPT

# HIGHEST TRACTION MAXIMUM COMFORT - LONGEST LIFE



### TRACTION ZONE

Transverse lugs and open space between lugs leading to:

- maximum traction (\*DLG test 2017)
- less fuel consumption during traction activities (\*DLG test 2017)

### NON-PARALLEL LUGS

Unique non-parallel lugs, with increasing gap from the centre to the shoulder, to easily push out the soil. This enhanced self-cleaning ensures the tyre keeps the traction, which leads to optimum productivity.

### COMFORT ZONE

Rubber in driving direction for continuous road contact leading to:

- excellent driving comfort
- extremely high wear resistance that leads to the long tyre life (\*DLG test 2019)
- side grip for stable driving behaviour on slopes



### MORE RUBBER IN THE CENTRE

30% more lug area in the centre for continuous road contact leading to a smooth ride and extremely high wear resistance (\*DLG test 2019).

### TRANSVERSE LUGS

12% more open space between lugs and an 48% more transverse lug in the shoulder to generate maximum pulling force for uncompromised traction.

Vredestein traxion profile



competition profile





# MORE TRACTION ALWAYS

DLG-APPROVED



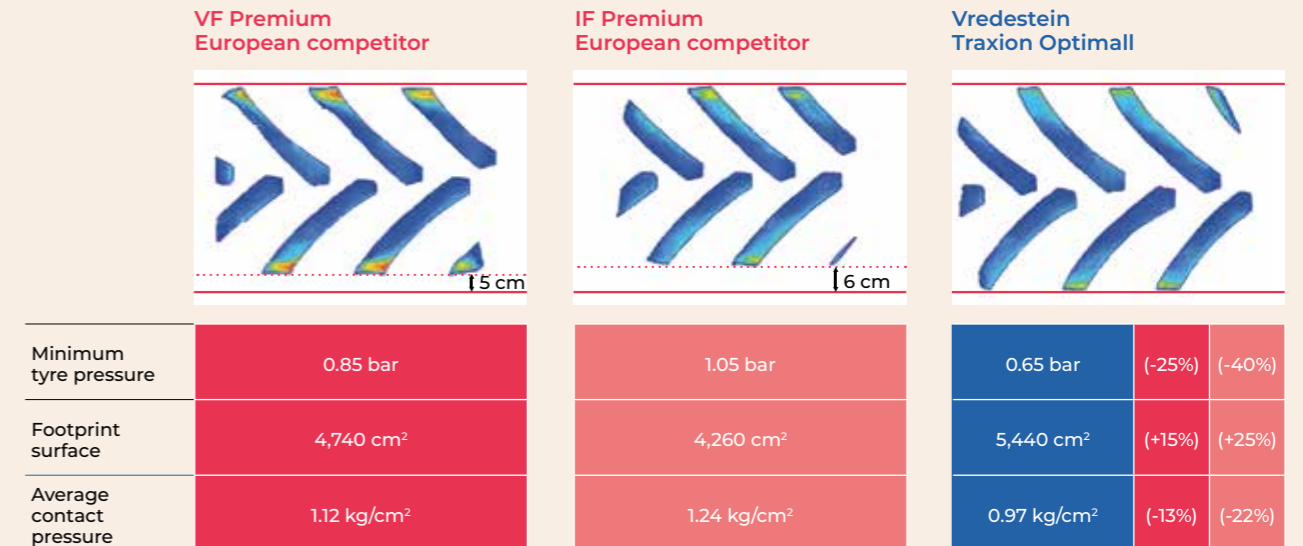
The Vredestein Traxion Optimall was extensively tested by the renowned German institute DLG and awarded with the highly respected designation 'DLG approved'. The VF tyre, was tested against IF and VF tyres of other premium European manufacturers.

The test was conducted with two tractors powered over 400HP and the test criteria was focussed on performance in the field (fuel consumption, productivity, traction). The test showed that the Vredestein Traxion Optimall provided a significantly better performance compared to its competitors<sup>1</sup>.

Throughout the whole range of 5% up to 40% slippage it was assessed that the Traxion Optimall provided the highest traction, with the biggest advantage over its competitors shown in the main working area of 5% to 20% slippage. In comparison to IF and VF competitors a fuel saving of respectively 7% and 1.7% were found. Similar differences were observed in productivity, leading to benefits for the Traxion Optimall in fuel and labor costs of 7% and 1.7% compared to the IF and the VF competitor tyres. This translates into € 162 and € 40 respectively for cultivating an area of 100 hectares.

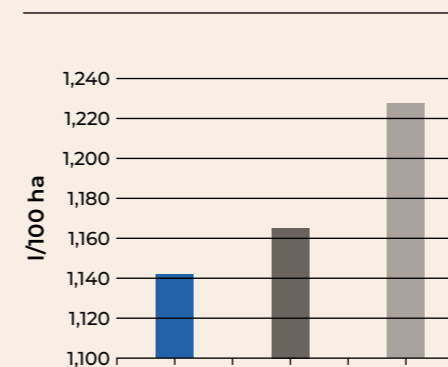
VREDESTEIN TYRES

## LARGE FOOTPRINT, LOW CONTACT PRESSURE

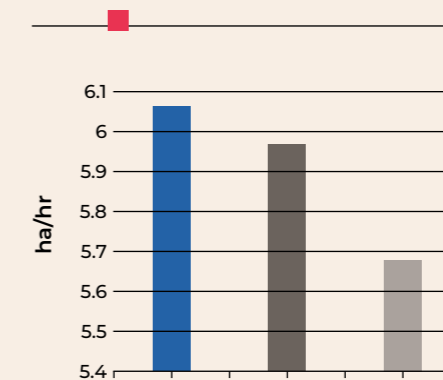


Tests conducted in Vredestein test centre in Enschede, NL. Tyres tested 710/75 R 42 with 5,300 kg load and tyre pressure adjusted for max. 10 km/h field work. All measurement are simulating footprint and pressure in the field.

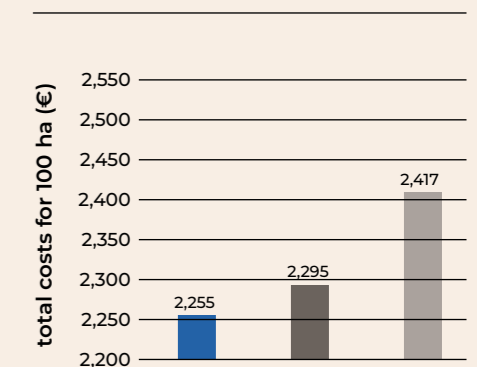
### FUEL CONSUMPTION



### PRODUCTIVITY



### OPERATING COSTS<sup>2</sup>



- Traxion Optimall
- VF Premium European Competitor
- IF Premium European Competitor

<sup>1</sup> Based on tests conducted by the independent institute DLG in Bernburg, Germany.  
<sup>2</sup> Assuming fuel costs are € 1.25/l and man hour costs are € 50.00/hr.

# MORE HOURS ALWAYS —

DLG-APPROVED



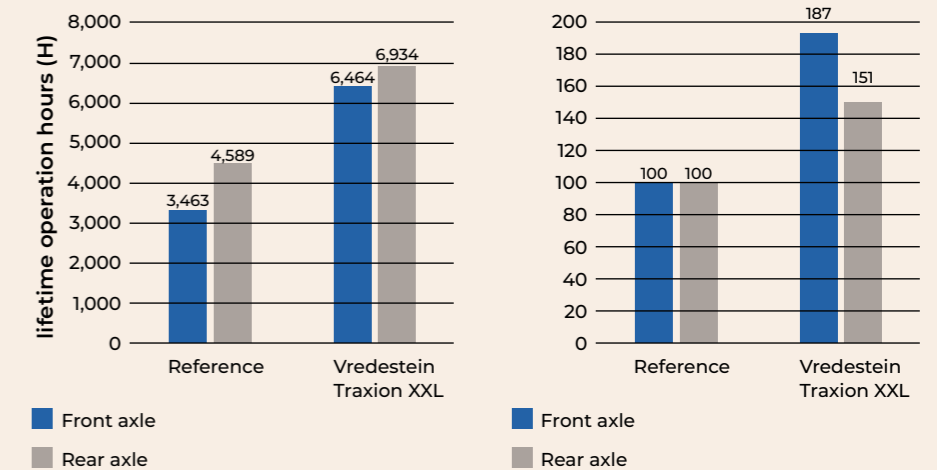
The endurance test Wear behaviour under real conditions consists of tests of agricultural tyres on tractors in real working conditions. As a result of rising transport tasks on the road with agricultural machines, the cost factor of tyres becomes more and more important. The cost factor of tyres includes tyre wear and the associated change intervals. To get more realistic data on this topic the DLG developed a well-defined measurement procedure to represent and accurately compare tyre wear results of different tyres.

In this test the Vredestein Traxion XXL was compared with a tyre from another premium tyre manufacturer. The size dimensions of the tyres were 600/70R28 on the front axle and 710/70R42 on the rear axle. All test tyres were assembled onto a John Deere 6215R. In total the test included six identical test machines, divided over two agricultural contractors in Germany. To determine different working situations, in the field, transport and road tasks on the street, plus the idle hours, every tractor had a JD Link System installed to get real working machine data during the whole test period.

**VREDESTEIN**  
TYRES

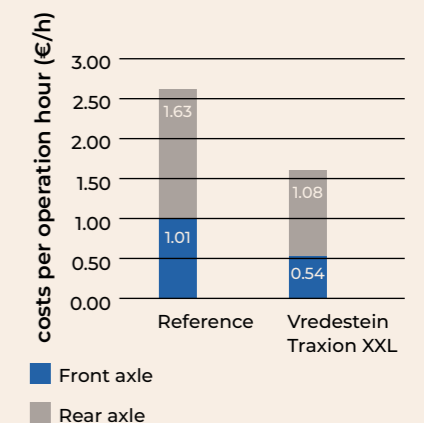
## DETERMINED LIFETIME IN COMPARISON

When the costs for a tyre set are entered, it is possible to show the economic effect. The price for a tyre set depends on the dealer and his trading terms. In this case we determined a price of € 11,000 for an average on both test candidates.



## COMPARISON OF COSTS WITH A PURCHASE PRICE OF € 11,000

	Vredestein Traxion XXL		Reference	
	FA	RA	FA	RA
Purchase price per axle (€)	3,500	7,500	3,500	7,500
Costs per tyre per operation hour (€/h)	0.27	0.54	0.51	0.82
Costs per axle per operation hour (€/h)	0.54	1.08	1.01	1.63



## SUMMARY

The tested agricultural tyre Vredestein Traxion XXL with the tyre size 600/70 R28 on the front axle and 710/70 R42 on the rear axle showed a much better tyre wear behaviour in comparison to the competitive reference tyre in the same tyre size from another premium tyre manufacturer through the whole test. Furthermore the total lifetime of the Traxion XXL is very positive, especial-

ly on the front axle, which is more heavily loaded with shear forces in cornering. In comparison to the tyre from the reference manufacturer the Vredestein tyre has a better lifetime of 87% on the front axle. The test result also confirms a better result on the rear axle with a higher lifetime of 51%. Because of the recorded result the total cost of ownership per operational hour will be lower in compa-

risson with the reference product. Based on the assumed purchase prices in combination with the lower cost per operational hour an economic advantage is also obvious. The tyre replacement frequency will be lower and therefore not only the cost-performance ratio but also the environmental sustainability of the Vredestein Traxion XXL is essentially better.



# MORE COMFORT ALWAYS



**TRACTOR**  
Fendt Vario 720 Profi Plus

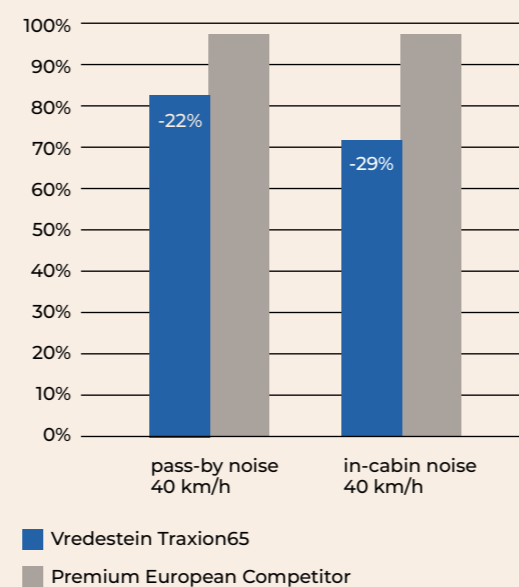
**TYRE SIZE**  
· Front: 540/65R30 (143D)  
· Rear: 650/65R42 (158D)

**TEST LOCATION**  
· RDW Lelystad, the Netherlands  
· ISO10844:2014 test surface

## COMFORT TEST

As every tractor driver knows, the comfort of a tractor is largely influenced by the tyre. A tyre generates vibrations and noise that can be noticeable inside the cabin and out. Vredestein has built a reputation for smooth and silent driving with its Traxion tractor tyres. Now, leveraging on this experience and the knowledge gained over many years of simulations and testing, Vredestein has developed and tested the Traxion 65, a tyre that is over 20% quieter than a premium European competitor.

The New Vredestein Traxion65 scores impressive results in 'pass-by noise' as well as 'in-cabin' noise measurements.









# TRAXION VVI TRAXION XXL



## HIGHEST EFFICIENCY & LONGEST LIFE FOR HIGH HP TRACTORS —



### TRAXION<sup>XXL</sup>

#### FEATURES

- Unique curved lugs and compound properties
- Dedicated traction and comfort zone
- Largest volume

#### BENEFITS

- Extended lifespan
- Maximized traction and excellent comfort
- High load capacity



Ø	TT/TL	Service description	bar					
				mm	mm	mm	mm	
28	540/75 R 28	TL 154 D	2,4	DW18L	565	1495	685	4440
	600/65 R 28	TL 147 D	1,6	DW18L	595	1480	670	4405
	600/65 R 28	TL 154 D	2,4	DW18L	595	1480	670	4405
	600/70 R 28	TL 157 D	2,4	DW20B	610	1540	700	4590
30	600/70 R 30	TL 158 D	2,4	DW20B	630	1590	725	4750
	710/60 R 30	TL 162 D	2,4	DW23B	705	1610	730	4800
32	800/65 R 32	TL 167 A8/B	1,6	DW27B	825	1840	845	5490
34	600/70 R 34	TL 160 D	2,4	DW18L	610	1700	775	5060
38	650/75 R 38	TL 169 D	2,4	DW23B	695	1935	890	5775
	650/85 R 38	TL 173 D	2,4	DW23B	710	2070	940	6195
	710/70 R 38	TL 166 D	1,6	DW23B	730	1930	870	5760
	710/70 R 38	TL 171 D	2,4	DW23B	730	1930	870	5760
	710/75 R 38	TL 174 D	2,4	DW23B	715	2000	910	5950
	800/70 R 38	TL 178 D	2,4	DW25B	825	2065	940	6160
42	900/60 R 38	TL 178 D	2,4	DW27B	870	2040	925	6100
	710/70 R 42	TL 173 D	2,4	DW23B	730	2060	940	6140
	710/75 R 42	TL 175 D	2,4	DW23B	735	2150	980	6395

• The dimensions indicated, which apply to a nominal tyre pressure, may vary in practice under the influence of actual tyre pressure and conditions of use.  
• Subject to changes in specifications.





# HIGHEST PRODUCTIVITY FOR MODERN HIGH-TECH TRACTORS –



## TRAXION 65

### FEATURES

- Traxion concept with unique tread compound and high rubber content in the centre
- Traction zone: Transverse and non-parallel lugs on the outside of the tread
- Comfort zone: Extra-large contact area in the centre for continuous road contact

### BENEFITS

- 30% longer lifespan\*
- Highest traction & excellent self-cleaning on all soil types
- 29% lower 'In Cabin' noise\*\*



Ø		TT/TL	Service description	bar		mm	mm	mm	mm
16	320/65 R 16	TL	117 D	2,4	W10	320	825	370	2455
18	320/65 R 18	TL	119 D	2,4	W9	310	875	390	2605
	340/65 R 18	TL	122 D	2,4	W9	320	905	415	2700
20	420/65 R 20	TL	135 D	2,4	W13	415	1055	480	3165
	440/65 R 24	TL	128 D	1,6	DW14L	440	1185	540	3545
24	480/65 R 24	TL	133 D	1,6	DW15L	485	1250	570	3735
	540/65 R 24	TL	140 D	1,6	DW16L	540	1315	590	3920
28	440/65 R 28	TL	131 D	1,6	DW14L	440	1290	590	3870
	480/65 R 28	TL	136 D	1,6	DW15L	485	1350	610	4015
30	540/65 R 28	TL	142 D	1,6	DW16L	540	1410	635	4210
	540/65 R 30	TL	143 D	1,6	DW16L	540	1460	660	4380
34	540/65 R 30	TL	150 D	2,4	DW16L	540	1460	660	4380
	540/65 R 34	TL	145 D	1,6	DW16L	540	1575	715	4695
38	540/65 R 34	TL	152 D	2,4	DW16L	540	1575	715	4695
	600/65 R 34	TL	151 D	1,6	DW18L	595	1640	740	4905
42	540/65 R 38	TL	147 D	1,6	DW16L	545	1685	770	5020
	600/65 R 38	TL	153 D	1,6	DW18L	595	1750	790	5210
42	650/65 R 38	TL	157 D	1,6	DW20B	650	1840	830	5480
	650/65 R 42	TL	158 D	1,6	DW20B	650	1925	880	5740

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 • Subject to changes in specifications.  
 \* Compared with premium competitors according to Vredestein R&D test programmes.  
 \*\* Compared with premium competitors on a ISO certified (ISO10844:2014) RDW test track at 40km/h, according to Vredestein R&D test programmes.





# HIGHEST PRODUCTIVITY FOR MODERN HIGH-TECH TRACTORS –



## TRAXION 70

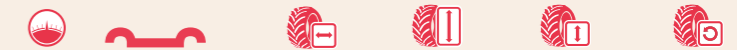
### FEATURES

- Extra-large contact area in the centre
- Widely spaced lugs in the shoulder
- Genuine tread width

### BENEFITS

- Longer lifespan and improved road comfort
- Excellent self-cleaning, highest traction
- Large footprint, maximum traction power

**VREDESTEIN**  
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Ø	TT/TL	Service description	bar		mm	mm	mm	mm	
16	240/70 R 16	TL	104 D	2,4	W8	245	735	335	2190
	260/70 R 16	TL	109 D	2,4	W8	260	765	345	2280
	280/70 R 16	TL	112 D	2,4	W9	280	800	365	2390
18	280/70 R 18	TL	114 D	2,4	W9	275	850	385	2540
	260/70 R 20	TL	113 D	2,4	W8	265	880	390	2620
20	280/70 R 20	TL	116 D	2,4	W9	280	910	415	2715
	300/70 R 20	TL	120 D	2,4	W9	295	945	440	2815
	320/70 R 20	TL	123 D	2,4	W10	320	985	450	2935
	360/70 R 20	TL	129 D	2,4	W11	360	1.045	480	3115
	380/70 R 20	TL	132 D	2,4	W12	390	1.070	490	3190
24	320/70 R 24	TL	116 D	1,6	W10	325	1.100	505	3245
	360/70 R 24	TL	122 D	1,6	W11	360	1.150	525	3395
	380/70 R 24	TL	125 D	1,6	W12	385	1.185	540	3495
	420/70 R 24	TL	130 D	1,6	W13	430	1.240	560	3675
	480/70 R 24	TL	138 D	1,6	DW15L	490	1.305	585	3850
28	380/70 R 28	TL	127 D	1,6	W12	390	1.290	590	3825
	420/70 R 28	TL	133 D	1,6	W13	430	1.345	615	3975
	480/70 R 28	TL	140 D	1,6	DW15L	495	1.405	635	4155
30	480/70 R 30	TL	141 D	1,6	DW15L	490	1.470	665	4370
34	480/70 R 34	TL	143 D	1,6	DW15L	485	1.575	715	4645
	520/70 R 34	TL	148 D	1,6	DW16L	525	1.640	740	4840
38	480/70 R 38	TL	145 D	1,6	DW15L	485	1.685	765	5015
	520/70 R 38	TL	150 D	1,6	DW16L	540	1.750	790	5165
	580/70 R 38	TL	155 D	1,6	DW18L	595	1.825	820	5385
42	620/70 R 42	TL	166 D	2,4	DW20B	625	1.930	885	5750

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• Subject to changes in specifications.





# THE STANDARD — FOR MEDIUM CLASS TRACTORS —

## TRAXION 85 II

### FEATURES

- Non-parallel lugs
- Reinforced bead design
- Distinctive curved lugs

### BENEFITS

- Excellent self-cleaning and improved traction
- Optimal stability at high speeds
- Improved ride, increased traction and longer lifespan

Ø	TT/TL	Service description	bar	mm	mm	mm	mm		
16	210/95 R 16 (7.50R16)	TL	110 D	2,8	W7	215	800	360	2415
18	210/95 R 18 (7.50R18)	TL	112 D	2,8	W7	220	850	385	2560
20	280/85 R 20 (11.2R20)	TL	118 D	2,0	W10	290	985	440	2955
	320/85 R 20 (12.4R20)	TL	124 D	2,0	W11	330	1050	470	3160
24	280/85 R 24	TL	115 A8/B	1,6	10"	290	1085	510	3250
	280/85 R 24	TL	130 A8/B	4,0	W10	295	1095	520	3320
	320/85 R 24	TL	122 A8/B	1,6	11"	330	1145	540	3430
	340/85 R 24	TL	125 A8/B	1,6	12"	360	1190	550	3540
	380/85 R 24	TL	131 A8/B	1,6	13"	400	1250	585	3740
28	420/85 R 24	TL	137 A8/B	1,6	15"	450	1315	620	3940
	280/85 R 28	TL	118 A8/B	1,6	10"	285	1195	555	3580
	320/85 R 28	TL	124 A8/B	1,6	11"	330	1250	585	3740
	340/85 R 28	TL	127 A8/B	1,6	12"	360	1290	610	3860
	380/85 R 28	TL	133 A8/B	1,6	13"	400	1340	630	4000
30	380/85 R 28	TL	145 A8/B	3,2	W13	395	1350	610	4020
	420/85 R 28	TL	139 A8/B	1,6	15"	450	1410	660	4195
	380/85 R 30	TL	135 A8/B	1,6	W12	390	1410	645	4150
34	420/85 R 30	TL	140 A8/B	1,6	15"	450	1460	685	4390
	460/85 R 30	TL	145 A8/B	1,6	16"	485	1545	725	4630
	380/85 R 34	TL	137 A8/B	1,6	W12	390	1505	680	4470
38	420/85 R 34	TL	142 A8/B	1,6	15"	450	1575	740	4725
	460/85 R 34	TL	147 A8/B	1,6	16"	490	1650	770	4940
	340/85 R 38	TL	133 A8/B	1,6		355	1550	730	4680
	380/80 R 38*	TL	142 A8/B	2,4	W12	390	1580	735	4820
	420/85 R 38	TL	144 A8/B	1,6	DW15L	450	1680	785	5060
42	460/85 R 38	TL	149 A8/B	1,6	DW16L	490	1755	825	5240
	520/85 R 38	TL	155 A8/B	1,6	DW18L	560	1845	860	5520
	480/80 R 42*	TL	156 A8/B	2,4	DW16L	500	1850	855	5600
46	520/85 R 42	TL	157 A8/B	1,6	DW18L	550	1935	910	5800
	480/80 R 46*	TL	158 A8/B	2,4	DW16L	500	1950	900	5885
50	520/85 R 46*	TL	158 A8/B	1,6	DW16 L	535	2050	930	6150
	480/80 R 50*	TL	159 A8/B	2,4	DW16L	500	2045	950	6225

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\* Traxion 85





## FAKTOR-S

Ø	TT/TL	Service description	bar	mm	mm	mm	mm		
24	9.5 - 24	TT	112 A8	2,8	W8	240	1050	490	3150
	11.2 - 24	TT	116 A8	2,4	DW10	290	1100	515	3305
	12.4 - 24	TT	121 A8	2,3	W11	315	1160	540	3475
	13.6 - 24	TT	123 A8	2,0	W12	345	1205	560	3615
	14.9 - 24	TT	128 A8	1,8	W13	375	1260	590	3780
28	11.2 - 28	TT	118 A8	2,4	DW10	285	1205	560	3615
	12.4 - 28	TT	123 A8	2,3	W11	315	1260	590	3780
	13.6 - 28	TT	125 A8	2,0	W12	340	1305	610	3920
	14.9 - 28	TT	130 A8	1,8	W13	375	1360	635	4080
30	16.9 - 30	TT	137 A8	1,7	DW15L	430	1485	690	4450
	18.4 - 30	TT	149 A8	2,3	DW16L	465	1545	720	4630
32	12.4 - 32	TT	125 A8	2,2	W11	315	1360	635	4080
34	16.9 - 34	TT	139 A8	1,7	DW15L	430	1580	735	4745
	18.4 - 34	TT	142 A8	1,4	DW16L	465	1645	765	4940

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## FAKTOR-F

Ø	TT/TL	Service description	bar	mm	mm	mm		
15	5.00-15	TT	82 A8	3,7	4.00 E	140	655	310
15.3	11.5/80-15.3	TT	119 A8		9	301	864	
	5.50-16	TT	86 A8	3,7	4.00 E	155	715	335
	6.00-16	TT	94 A8	4,5	4.50 E	170	735	345
	6.50-16	TT	98 A8	4,2	4.50 E	180	765	365
	7.50-16	TT	103 A8	3,7	5.50 F	205	815	385
16	9.00-16	TT	116 A8		W8	269	868	
	10.00-16	TT	115 A8	2,8	W 8	280	910	425
	11.00-16	TT	122 A8	3,1	W 10 L	330	975	455
18	7.50-18	TT	106 A8	3,7	5.50 F	205	860	400
19	4.00-19	TT	72 A8	3,4	3.00 D	110	715	340
20	7.50-20	TT	109 A8	3,4	5.50 F	140	920	435

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## LUG RING

Ø	TT/TL	Service description	bar	mm	mm	mm	
16	5.50-16	TT	86 A8	4.00 E	160	720	340
	6.00-16	TT	88 A8	4.50 E	175	750	355
	6.50-16	TT	91 A8	4.50 E	185	780	375
	7.50-16	TT	98 A8	5.50 F	210	825	390
18	7.50-18	TT	106 A8	5.50 F	215	880	415
19	6.00-19	TT	93 A8	4.50 E	170	830	390

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# TRAXION IN ACTION



**TRAXION** OPTIMAL

## NICK HUDDLESTONE | UNITED KINGDOM

"Our drivers' feedback is excellent; we have noticed excellent stability in road use at 0.75 BAR and traction in fields with lowground pressure. The plan is to inflate to around 1.25 BAR when an increase in percentage of road work is scheduled (as it is likely per seasonal demand). This will protect the tyre and improve fuel economy", says Nick.

"I think the VF technology applied by Vredestein will see us get the best out of the big high horsepower tractors without loss of performance when transferring from field to road. When operating within such extremes, I can make the adjustment in BAR knowing the tyre is designed to take the strain and deliver the power."



## IVANO TOSI | ITALY

"I am happy with the robustness and traction of the Traxion XXL when operating on hard soil! It also drives very comfortable on the road."

**TRAXION** XXL



## JEAN-FRANÇOIS BALBUENA | FRANCE

"The tyres are very comfortable on the road and also in the field. The noise has again been reduced compared to previous ones. The self-cleaning is incredible with only one tour of wheels in the field. Very good grip and traction in the field especially thanks to its unique cleads."

**TRAXION** 65







**VREDESTEIN**  
TYRES

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