



TDR 850

New Product Release Document

Marketing Department.
December 01, 2020

This document is created to register the marketing communication collaterals and process details for the launch of the above-mentioned pattern; it is intended for internal circulation and approval for further dissemination. All facts and figures mentioned in the document is true to the best of our knowledge as on the above said date, for updated information please feel free to visit the website www.ascensotyres.com

New Product Release Document

Release Month: DECEMBER'20

Brand: ASCENSO

Tread Pattern : TDR 850

Tyre Construction: Radial

Type: Tube Less

Main Applications: 2WD & 4WD Tractor

TRA Code : R-1W



List of Sizes

Size	PR
280/85R24	115D
320/85R24	122D
340/85R24	125D
380/85R24	131D
420/85R24	137D
280/85R28	118D
320/85R28	124D
340/85R28	127D
380/85R28	133D
420/85R28	139D
420/85R30	140D
460/85R30	145D
320/85R32	126D
420/85R34	142D
460/85R34	147D
320/85R36	128D
340/85R36	132D
420/85R38	144D
460/85R38	149D
520/85R38	155D
520/85R42	157 D
520/85R46	158 D

Salient Features

Tractor tyres designed with a unique mud breaker:

- Low soil compaction
- High traction
- Excellent driving experience



Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)									
		SW	OD					Speed, km/h (mph)									
								Mixed application									
								Bar	Static	10	25	30	40	50	65		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
in	in	in	in	in	in	in	Psi	Static	6	16	19	25	31	40	40	40	40
280/85 R24	W10	292 11.5	1086 42.8	502 19.7	3248 127.9	115 D	0.8	1770	1160	910	890	840	810	770			
							12	3900	2560	2000	1960	1850	1780	1700			
							1.0	2020	1320	1040	1010	960	920	880			
							15	4450	2910	2290	2220	2110	2030	1940			
							1.2	2280	1490	1170	1140	1080	1040	990			
							17	5020	3280	2580	2510	2380	2290	2180			
							1.4	2530	1650	1300	1270	1200	1160	1100			
							20	5570	3630	2860	2800	2640	2560	2420			
							1.6	2790	1820	1440	1400	1330	1280	1215			
							23	6150	4010	3170	3080	2930	2820	2680			
320/85 R24	W11	329 12.9	1154 45.4	530 20.8	3452 135.9	122 D	0.8	2190	1430	1130	1090	1040	1000	950			
							12	4820	3150	2490	2400	2290	2200	2090			
							1.0	2480	1620	1280	1240	1180	1130	1080			
							15	5460	3570	2820	2730	2600	2490	2380			
							1.2	2810	1830	1450	1400	1340	1280	1220			
							17	6190	4030	3190	3080	2950	2820	2690			
							1.4	3130	2040	1610	1560	1490	1430	1360			
							20	6890	4490	3550	3440	3280	3150	3000			
							1.6	3450	2250	1780	1730	1640	1580	1500			
							23	7600	4960	3920	3810	3610	3480	3300			
340/85 R24	W12	353 13.9	1188 46.8	544 21.4	3554 139.9	125 D	0.8	2420	1580	1240	1210	1150	1100	1050			
							12	5330	3480	2730	2670	2530	2420	2310			
							1	2760	1800	1420	1380	1310	1260	1200			
							15	6080	3960	3130	3040	2890	2780	2640			
							1.2	3110	2030	1600	1550	1480	1420	1350			
							17	6850	4470	3520	3410	3260	3130	2970			
							1.4	3450	2250	1780	1730	1640	1580	1500			
							20	7600	4960	3920	3810	3610	3480	3300			
							1.6	3800	2480	1960	1900	1810	1730	1650			
							23	8370	5460	4320	4190	3990	3810	3630			

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)						
		SW	OD					Speed, km/h (mph)						
								Mixed application						
								Bar	Static	10	25	30	40	50
mm	mm	mm	mm											
in	in	in	in				Psi		6	16	19	25	31	40
380/85 R24	W12	380 15.0	1256 49.4	572 22.5	3757 147.9	131 D	0.8	2830	1850	1460	1410	1350	1290	1230
							12	6230	4070	3220	3110	2970	2840	2710
							1.0	3240	2120	1670	1620	1540	1480	1410
							15	7140	4670	3680	3570	3390	3260	3110
							1.2	3660	2390	1880	1830	1740	1670	1590
							17	8060	5260	4140	4030	3830	3680	3500
							1.4	4070	2660	2100	2040	1940	1860	1770
							20	8960	5860	4630	4490	4270	4100	3900
							1.6	4490	2930	2310	2240	2140	2050	1950
							23	9890	6450	5090	4930	4710	4520	4300
420/85 R24	W15L	438 17.2	1324 155.9	600 23.6	3960 155.9	137 D	0.8	3360	2190	1730	1680	1600	1530	1460
							12	7400	4820	3810	3700	3520	3370	3220
							1.0	3840	2510	1980	1920	1830	1750	1670
							15	8460	5530	4360	4230	4030	3850	3680
							1.2	4320	2820	2230	2160	2060	1970	1880
							17	9520	6210	4910	4760	4540	4340	4140
							1.4	4810	3140	2480	2400	2290	2190	2090
							20	10590	6920	5460	5290	5040	4820	4600
							1.6	5290	3450	2730	2650	2520	2420	2300
							23	11650	7600	6010	5840	5550	5330	5070
280/85 R28	W10	292 11.5	1187 46.7	552 21.7	3551 139.8	118 D	0.8	1930	1260	1000	970	920	880	840
							12	4250	2780	2200	2140	2030	1940	1850
							1.0	2210	1440	1140	1100	1050	1010	960
							15	4870	3170	2510	2420	2310	2220	2110
							1.2	2480	1620	1280	1240	1180	1130	1080
							17	5460	3570	2820	2730	2600	2490	2380
							1.4	2760	1800	1420	1380	1310	1260	1200
							20	6080	3960	3130	3040	2890	2780	2640
							1.6	3040	1980	1560	1520	1450	1390	1320
							23	6700	4360	3440	3350	3190	3060	2910

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)									
		SW	OD					Speed, km/h (mph)									
								Mixed application									
								Bar	Static	10	25	30	40	50	65		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
in	in	in	in	in	in	in	Psi	Static	6	16	19	25	31	40	40	40	40
320/85 R28	W11	329 12.9	1255 49.4	580 22.8	3754 147.8	124 D	0.8	2350	1530	1210	1170	1120	1070	1020			
							12	5180	3370	2670	2580	2470	2360	2250			
							1.0	2670	1740	1370	1330	1270	1220	1160			
							15	5880	3830	3020	2930	2800	2690	2560			
							1.2	3010	1970	1550	1510	1430	1380	1310			
							17	6630	4340	3410	3330	3150	3040	2890			
							1.4	3340	2180	1720	1670	1590	1520	1450			
							20	7360	4800	3790	3680	3500	3350	3190			
							1.6	3680	2400	1900	1840	1750	1680	1600			
							23	8110	5290	4190	4050	3850	3700	3520			
340/85 R28	W12	353 13.9	1289 50.7	594 23.4	3856 151.8	127 D	0.8	2550	1670	1320	1280	1220	1170	1110			
							12	5620	3680	2910	2820	2690	2580	2440			
							1.0	2920	1910	1500	1460	1390	1330	1270			
							15	6430	4210	3300	3220	3060	2930	2800			
							1.2	3290	2150	1690	1640	1570	1500	1430			
							17	7250	4740	3720	3610	3460	3300	3150			
							1.4	3660	2390	1880	1830	1740	1670	1590			
							20	8060	5260	4140	4030	3830	3680	3500			
							1.6	4030	2630	2070	2010	1920	1840	1750			
							23	8880	5790	4560	4430	4230	4050	3850			
380/85 R28	W12	380 15.0	1357 53.4	622 24.5	4059 159.8	133 D	0.8	2990	1950	1540	1500	1420	1370	1300			
							12	6590	4300	3390	3300	3130	3020	2860			
							1.0	3430	2240	1770	1710	1630	1560	1490			
							15	7560	4930	3900	3770	3590	3440	3280			
							1.2	3860	2520	1990	1930	1840	1760	1680			
							17	8500	5550	4380	4250	4050	3880	3700			
							1.4	4300	2810	2220	2150	2050	1960	1870			
							20	9470	6190	4890	4740	4520	4320	4120			
							1.6	4740	3090	2440	2370	2260	2160	2060			
							23	10440	6810	5370	5220	4980	4760	4540			

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)										
		SW	OD					Speed, km/h (mph)										
								Mixed application										
								Bar	Static	10	25	30	40	50	65			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
in	in	in	in	in	in	in	Psi	Static	6	16	19	25	31	40	40	40	40	40
420/85 R28	W15L	438 17.2	1425 56.1	651 25.6	4262 167.8	139 D	0.8	3570	2330	1840	1780	1700	1630	1550				
							12	7860	5130	4050	3920	3740	3590	3410				
							1	4070	2660	2100	2040	1940	1860	1770				
							15	8960	5860	4630	4490	4270	4100	3900				
							1.2	4580	2990	2360	2290	2180	2090	1990				
							17	10090	6590	5200	5040	4800	4600	4380				
							1.4	5080	3320	2620	2540	2420	2320	2210				
							20	11190	7310	5770	5590	5330	5110	4870				
							1.6	5590	3650	2880	2790	2660	2550	2430				
23	12310	8040	6340	6150	5860	5620	5350											
420/85 R30	W15L	438 17.2	1476 58.1	676 26.6	4415 173.8	140 D	0.8	3630	2370	1870	1820	1730	1660	1580				
							12	8000	5220	4120	4010	3810	3660	3480				
							1	4160	2720	2140	2080	1980	1900	1810				
							15	9160	5990	4710	4580	4360	4190	3990				
							1.2	4690	3060	2420	2350	2230	2140	2040				
							17	10330	6740	5330	5180	4910	4710	4490				
							1.4	5220	3410	2690	2610	2490	2380	2270				
							20	11500	7510	5930	5750	5480	5240	5000				
							1.6	5750	3750	2960	2880	2740	2630	2500				
23	12670	8260	6520	6340	6040	5790	5510											
460/85 R30	W16L	475 18.7	1544 60.8	704 27.7	4618 181.8	145 D	0.8	4280	2790	2200	2140	2040	1950	1860				
							12	9430	6150	4850	4710	4490	4300	4100				
							1	4880	3180	2510	2440	2320	2230	2120				
							15	10750	7000	5530	5370	5110	4910	4670				
							1.2	5470	3570	2820	2740	2610	2500	2380				
							17	12050	7860	6210	6040	5750	5510	5240				
							1.4	6070	3960	3130	3040	2890	2770	2640				
							20	13370	8720	6890	6700	6370	6100	5810				
							1.6	6670	4350	3440	3340	3180	3050	2900				
23	14690	9580	7580	7360	7000	6720	6390											

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)									
		SW	OD					Speed, km/h (mph)									
								Mixed application									
								Bar	Static	10	25	30	40	50	65		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
in	in	in	in	in	in	in	Psi	Static	6	16	19	25	31	40	50	65	
320/85 R32	W11	329 12.9	1357 53.4	631 24.8	4059 159.8	126 D	0.8	2510	1640	1290	1250	1190	1140	1090			
							12	5530	3610	2840	2750	2620	2510	2400			
							1	2850	1860	1470	1430	1360	1300	1240			
							15	6280	4100	3240	3150	3000	2860	2730			
							1.2	3220	2100	1660	1610	1530	1470	1400			
							17	7090	4630	3660	3550	3370	3240	3080			
							1.4	3570	2330	1840	1780	1700	1630	1550			
							20	7860	5130	4050	3920	3740	3590	3410			
							1.6	3910	2550	2010	1960	1860	1790	1700	1700		
23	8610	5620	4430	4320	4100	3940	3740	3740									
420/85 R34	W15L	438 17.2	1578 62.1	727 28.6	4720 185.8	142 D	0.8	3890	2540	2000	1940	1850	1770	1690			
							12	8570	5590	4410	4270	4070	3900	3720			
							1	4440	2900	2290	2220	2110	2030	1930			
							15	9780	6390	5040	4890	4650	4470	4250			
							1.2	4990	3260	2570	2500	2380	2280	2170			
							17	10990	7180	5660	5510	5240	5020	4780			
							1.4	5540	3620	2860	2770	2640	2530	2410			
							20	12200	7970	6300	6100	5810	5570	5310			
							1.6	6100	3980	3140	3050	2900	2780	2650	2650		
23	13440	8770	6920	6720	6390	6120	5840	5840									
460/85 R34	W16L	475 18.7	1646 64.8	755 29.7	4923 193.8	147 D	0.8	4510	2940	2320	2250	2150	2060	1960			
							12	9930	6480	5110	4960	4740	4540	4320			
							1	5150	3360	2650	2580	2450	2350	2240			
							15	11340	7400	5840	5680	5400	5180	4930			
							1.2	5800	3780	2990	2900	2760	2650	2520			
							17	12780	8330	6590	6390	6080	5840	5550			
							1.4	6440	4200	3320	3220	3070	2940	2800			
							20	14190	9250	7310	7090	6760	6480	6170			
							1.6	7070	4610	3640	3540	3370	3230	3075	3075		
23	15570	10150	8020	7800	7420	7110	6770	6770									

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)										
		SW	OD					Speed, km/h (mph)										
								Mixed application										
								Bar	Static	10	25	30	40	50	65			
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
in	in	in	in	in	in	in	Psi	Static	6	16	19	25	31	40	40	40	40	40
320/85 R36	W11	329 12.9	1458 57.4	682 26.8	4361 171.7	128 D	0.8	2670	1740	1370	1330	1270	1220	1160				
							12	5880	3830	3020	2930	2800	2690	2560				
							1	3040	1980	1560	1520	1450	1390	1320				
							15	6700	4360	3440	3350	3190	3060	2910				
							1.2	3400	2220	1750	1700	1620	1550	1480				
							17	7490	4890	3850	3740	3570	3410	3260				
							1.4	3770	2460	1940	1890	1800	1720	1640				
							20	8300	5420	4270	4160	3960	3790	3610				
							1.6	4140	2700	2130	2070	1970	1890	1800				
23	9120	5950	4690	4560	4340	4160	3960											
340/85 R36	W12	353 13.9	1492 58.7	696 27.4	4463 175.7	132 D	0.8	2940	1920	1520	1470	1400	1340	1280				
							12	6480	4230	3350	3240	3080	2950	2820				
							1	3360	2190	1730	1680	1600	1530	1460				
							15	7400	4820	3810	3700	3520	3370	3220				
							1.2	3770	2460	1940	1890	1800	1720	1640				
							17	8300	5420	4270	4160	3960	3790	3610				
							1.4	4190	2730	2160	2090	1990	1910	1820				
							20	9230	6010	4760	4600	4380	4210	4010				
							1.6	4600	3000	2370	2300	2190	2100	2000				
23	10130	6610	5220	5070	4820	4630	4410											
420/85 R38	W15L	438 17.2	1679 66.1	778 30.6	5022 197.7	144 D	0.8	4120	2690	2120	2060	1960	1880	1790				
							12	9070	5930	4670	4540	4320	4140	3940				
							1	4690	3060	2420	2350	2230	2140	2040				
							15	10330	6740	5330	5180	4910	4710	4490				
							1.2	5290	3450	2730	2650	2520	2420	2300				
							17	11650	7600	6010	5840	5550	5330	5070				
							1.4	5870	3830	3020	2930	2790	2680	2550				
							20	12930	8440	6650	6450	6150	5900	5620				
							1.6	6440	4200	3320	3220	3070	2940	2800				
23	14190	9250	7310	7090	6760	6480	6170											

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)									
		SW	OD					Speed, km/h (mph)									
								Mixed application									
								Bar	Static	10	25	30	40	50	65		
		mm	mm	mm	mm		Psi										
		in	in	in	in												
460/85 R38	W16L	475 18.7	1747 68.8	806 31.7	5225 205.7	149 D	0.8	4760	3110	2450	2380	2270	2170	2070			
							12	10480	6850	5400	5240	5000	4780	4560			
							1	5430	3540	2800	2710	2580	2480	2360			
							15	11960	7800	6170	5970	5680	5460	5200			
							1.2	6120	3990	3150	3060	2910	2790	2660			
							17	13480	8790	6940	6740	6410	6150	5860			
							1.4	6790	4430	3500	3390	3230	3100	2950			
							20	14960	9760	7710	7470	7110	6830	6500			
							1.6	7480	4880	3850	3740	3560	3410	3250			
23	16480	10750	8480	8240	7840	7510	7160										
520/85R38	DW16L	516 20.3	1849 72.8	848 33.4	5530 217.7	155 D	0.8	5680	3710	2930	2840	2700	2590	2470			
							12	12510	8170	6450	6260	5950	5700	5440			
							1	6490	4230	3340	3240	3090	2960	2820			
							15	14300	9320	7360	7140	6810	6520	6210			
							1.2	7290	4760	3760	3650	3470	3330	3170			
							17	16060	10480	8280	8040	7640	7330	6980			
							1.4	8100	5280	4170	4050	3850	3700	3520			
							20	17840	11630	9190	8920	8480	8150	7750			
							1.6	8910	5810	4590	4460	4240	4070	3875			
23	19630	12800	10110	9820	9340	8960	8540										
520/85R42	DW16L	516 20.3	1951 76.8	899 35.4	5836 229.7	157 D	0.8	6050	3950	3120	3020	2880	2760	2630			
							12	13330	8700	6870	6650	6340	6080	5790			
							1	6900	4500	3560	3450	3290	3150	3000			
							15	15200	9910	7840	7600	7250	6940	6610			
							1.2	7770	5070	4010	3890	3700	3550	3380			
							17	17110	11170	8830	8570	8150	7820	7440			
							1.4	8630	5630	4440	4310	4110	3940	3750			
							20	19010	12400	9780	9490	9050	8680	8260			
							1.6	9490	6190	4890	4740	4520	4330	4125			
23	20900	13630	10770	10440	9960	9540	9090										

Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	Load Index PR Symbols	Inflation Pressure	Recommended load, kg (lbs)							
								Speed, km/h (mph)							
								Mixed application							
		SW	OD							10	25	30	40	50	65
mm	mm	mm	mm	Bar	Static										
in	in	in	in	Psi		6	16	19	25	31	40				
520/85R46	DW16L	516 20.3	2052 80.8	949 37.3	6138 242.6	158 D	0.8	6210	4050	3200	3110	2960	2840	2700	
							12	13680	8920	7050	6850	6520	6260	5950	
							1	7080	4620	3650	3540	3370	3230	3080	
							15	15590	10180	8040	7800	7420	7110	6780	
							1.2	7980	5210	4110	3990	3800	3640	3470	
							17	17580	11480	9050	8790	8370	8020	7640	
							1.4	8880	5790	4570	4440	4230	4050	3860	
							20	19560	12750	10070	9780	9320	8920	8500	
							1.6	9780	6380	5040	4890	4650	4460	4250	
23	21540	14050	11100	10770	10240	9820	9360								

Note: All tyres confirm to ETRTO standards

Figures in bold are the recommended specification

Ascenso is a new-age off-highway tyre brand that caters to three key global segments: Agriculture, Industrial & Construction and Earthmover

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