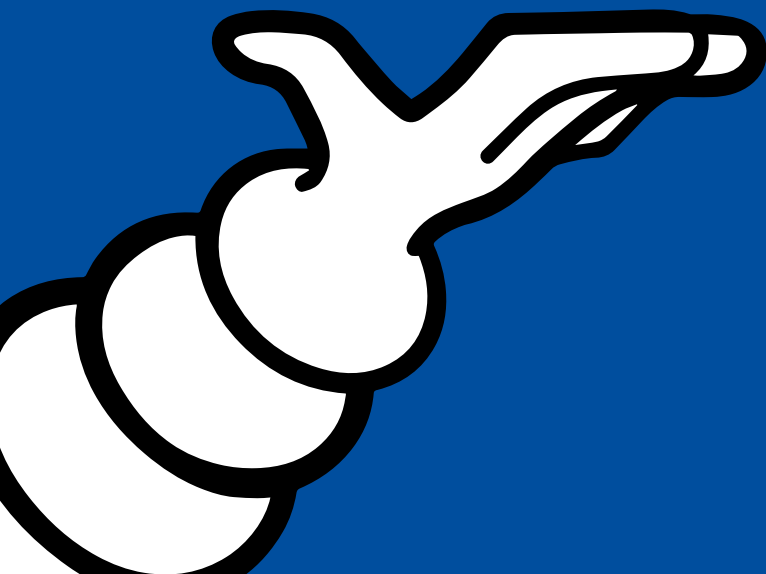


SPECIALLY DESIGNED FOR CIVIL OR MILITARY VEHICLES THAT DRIVE ON ALL TERRAINS
AND REQUIRE MAXIMUM MOBILITY

 **X-FORCE™**



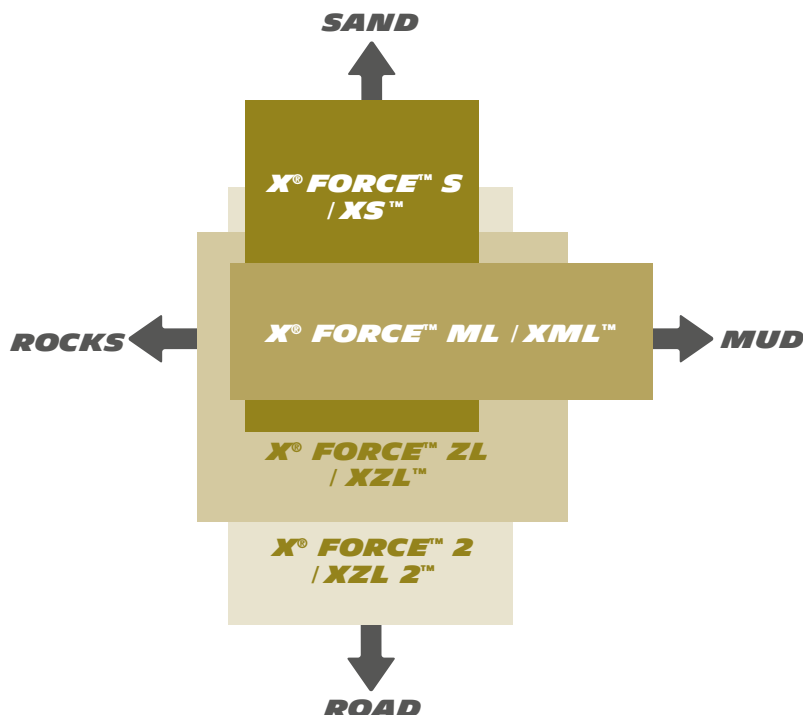
MICHELIN MILITARY TYRES **DATA BOOK 2018-2019 EDITION**



IN THE MOST EXTREME CONDITIONS, RUNNING ON MICHELIN TYRE MEANS

<p>Being equipped with high-performing tyres</p>	<p>Relying on a specialised team</p>	<p>Benefiting from minimum running costs</p>
 <ul style="list-style-type: none"> Designed and homologated according to demanding specifications, thanks to Michelin's partnership with military vehicle manufacturers. 	<ul style="list-style-type: none"> Experienced in the requirements of military and off-road activity. 	<ul style="list-style-type: none"> High mileage potential, damage resistance and reliability of Michelin casings. Tyres specifically designed for military use with anti-FOD (Foreign Object Deposit) characteristics. Through the tyre's life, MICHELIN offers best value while offering high levels of damage resistance and survivability.
<p>Choosing from a comprehensive range of products</p>	<p>Profiting from technological innovations from a global manufacturer</p>	<p>Counting on worldwide assistance</p>
<ul style="list-style-type: none"> For all types of vehicles and all conditions of use. 	<ul style="list-style-type: none"> All-terrain tyres on radial casings, patented tread patterns and concept solutions. 	<ul style="list-style-type: none"> Availability of MICHELIN tyres and technical support on five continents. 

MICHELIN MILITARY TYRE USE



SPEED / LOAD INDEX

SPEED INDEX

SI	D	E	F	G	J	K	L	M	N
KM/H	65	70	80	90	100	110	120	130	140

LOAD INDEX

LI	KG	LL	KG	LL	KG	LL	KG
106	950	124	1600	142	2650	160	4500
107	975	125	1650	143	2725	161	4625
108	1000	126	1700	144	2800	162	4750
109	1030	127	1750	145	2900	163	4875
110	1060	128	1800	146	3000	164	5000
111	1090	129	1850	147	3075	165	5150
112	1120	130	1900	148	3150	166	5300
113	1150	131	1950	149	3250	167	5450
114	1180	132	2000	150	3350	168	5600
115	1215	133	2060	151	3450	169	5800
116	1250	134	2120	152	3550	170	6000
117	1285	135	2180	153	3650	171	6150
118	1320	136	2240	154	3750	172	6300
119	1360	137	2300	155	3875	173	6500
120	1400	138	2360	156	4000	174	6700
121	1450	139	2430	157	4125	175	6900
122	1500	140	2500	158	4250	176	7100
123	1550	141	2575	159	4375		

**THE ALL-TERRAIN,
ALL POSITION RADIAL
TYRE FOR MOBILITY
IN ALL CONDITIONS**

- Exceptional mobility whatever the terrain
- Safety and comfort on-road
- Robustness
- Run-flat capability

**MICHELIN
X[®] FORCE™ ZL / XZL**



**THE TYRE OPTIMISED
FOR ROADS, TRACKS
AND SAND**

- Exceptional handling on-road and good flotation on sand
- High-speed long-distance capability
- Very good tread life
- Run-flat capability

**MICHELIN
X[®] FORCE™ 2 / XZL 2™**



**THE ALL-TERRAIN, ALL
POSITION RADIAL TYRE
OPTIMISED FOR
SAND MOBILITY**

- Exceptional mobility on sand
- Safety on tracks and roads
- Run-flat capability

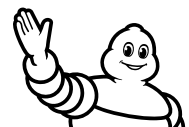
**MICHELIN
X[®] FORCE™ S / XS™**



THE REFERENCE IN MUD

- Exceptional mobility in mud
- Sidewall and tread block robustness
- Run-flat capability

**MICHELIN
X[®] FORCE™ ML / XML™**



MICHELIN MILITARY TYRE SPECIFICATIONS

MICHELIN X[®] FORCE™ ZL / XZL™



SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
255/100 R 16 (9.00 R 16) TL* (CAI: 110650)	XZL™ 126 K (134 J)	✓	Measuring 6.50 H Optional 6.00G	39.9 kg	16.5 mm	255 mm	923 mm	426 mm	2810
			Road	1700	4.5	65	110	68	437
			Cross Country	1700	2.9	40	70	43	577
			Mud and Sand	1700	1.7	25	30	19	833
325/85 R 16 TL (CAI: 881538)	X [®] FORCE™ Z 140K	✓	Measuring 9.00	54.7 kg	17 mm	329 mm	983 mm	448 mm	2973
			Road	2500	5.0	72	110	68	564
			Cross Country	2500	3.6	52	70	43	776
			Mud and Sand	2500	1.9	28	30	19	1065
11.00 R 16 TL* (CAI: 109142)	XZL™ 135 K	✓	Measuring 6.50H	49.7 kg	17.5 mm	287 mm	984 mm	455 mm	3000
			Road	2180	5.5	80	110	68	583
			Cross Country	2180	3.2	45	65	40	756
			Mud and Sand	2180	1.7	25	20	12	1010
275/80 R 20 (10.5 R 20) TL* (CAI: 423311)	X [®] FORCE™ ZL MPT 128 K	✓	Measuring 9.00 Optional 9.00 - 9SDC - W9	34.2 kg	16.1 mm	277 mm	940 mm	433 mm	2857
			Road	1800	4.2	61	110	68	419
			Cross Country	1800	2.7	40	70	43	545
			Mud and Sand	1800	2.0	30	30	19	677
335/80 R 20 (12.5 R 20) TL* (CAI: 420813)	X [®] FORCE™ ZL MPT 150 K	✓	Measuring 11.00 Optional 11 SDC, W11, DW 11, 12, 12 SDC	58.7 kg	16.2 mm	341 mm	1037 mm	478 mm	3160
			Road	3350	6.5	93	110	68	635
			Cross Country	3350	5.7	85	70	43	694
			Mud and Sand	3350	2.8	40	30	19	1101
335/80 R 20 (12.5 R 20) TL* (CAI: 110247) Stop end 2019	XZL™ MPT 141 K	✓	Measuring 11.00 Optional 9, 9 SDC, W9, W10, DW10, 11 SDC, W11, DW11, 12, 12 SDC	56.8 kg	17.8 mm	345 mm	1037 mm	473 mm	3140
			Road	2575	4.3	62	110	68	715
			Cross Country	2575	3.7	54	70	43	771
			Mud and Sand	2575	1.9	28	30	19	1082
365/80 R 20 (14.5 R 20) TL* (CAI: 110081)	XZL™ MPT 152 K	✓	Measuring 11.00	71.3 kg	19.9 mm	372 mm	1096 mm	501 mm	3330
			Road	3550	6.0	87	110	68	777
			Cross Country	3550	4.7	68	65	40	880
			Mud and Sand	3550	2.4	35	20	12	1244
365/85 R 20 TL* (CAI: 109374)	XZL™ 164 G	✓	Measuring 10.0	88.3 kg	22.5 mm	368 mm	1144 mm	520 mm	3460
			Road	5000	7.5	109	90	55	857
			Cross Country	3250	3.8	55	70	43	932
			Mud and Sand	3250	2.1	30	30	19	1246
395/85 R 20 TL* (CAI: 110013)	XZL™ 168 G (161 J)	✓	Measuring 10.00W Optional 10.00	98.5 kg	25.8 mm	388 mm	1189 mm	542 mm	3600
			Road	5600	8.5	123	90	55	932
			Cross Country	3650	3.6	52	70	43	1110
			Mud and Sand	3650	2.1	30	30	19	1432

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.

SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
10.00 R 20 TT (CAI: 110148)	XZL™ 146/143 K	✓	Measuring 7.50	53.9 kg	17.3 mm	281 mm	1060 mm	493 mm	3240
			Road	3000	7.8	113	110	68	500
			Cross Country	1950	2.9	42	65	40	615
			Mud and Sand	1950	1.5	22	20	12	799
11.00 R 20 TL* (CAI: 110062)	XZL™ 150/146 K	✓	Measuring 8.00 Optional 8.50, 7.50	63.7 kg	18 mm	299 mm	1092 mm	508 mm	3340
			Road	3350	8.0	116	110	68	546
			Cross Country	2200	2.9	40	65	40	700
			Mud and Sand	2200	1.5	20	20	12	931
12.00 R 20 TL* (CAI: 110132)	XZL™ 154/149 K	✓	Measuring 8.50 Optional 7.50, 8.0, 9.0	73.2 kg	18.7 mm	311 mm	1131 mm	527 mm	3460
			Road	3750	8.5	123	110	68	611
			Cross Country	2450	2.8	41	65	40	831
			Mud and Sand	2450	1.5	22	20	12	1122
14.00 R 20 TL* (CAI: 323281)	XZL™+ 164/160 J (166 G)	✓	Measuring 10.00 Optional 10.00, 10.00W	104.2 kg	22.3 mm	386 mm	1258 mm	578 mm	3832
			Road	5000	7.6	110	100	62	983
			Cross Country	5000	5.5	80	70	43	1240
			Mud and Sand	5000	3.3	50	30	19	1657
16.00 R 20 TL* (CAI: 123357)	XZL™ 173/170 G	✓	Measuring 10.00W Optional 10.0V, 10.00, 11.25	151.7 kg	27 mm	438 mm	1343 mm	609	4090
			Road	6500	7.5	109	90	56	1288
			Cross Country	4500	3.4	49	70	43	1496
			Mud and Sand	4500	1.8	26	30	19	1959
24 R 21 TL (CAI: 110257)	XZL™ 176 G	✓	Measuring 18.00	190.8 kg	25 mm	608 mm	1388 mm	631 mm	4200
			Road	7100	6.0	87	90	56	1675
			Cross Country	5500	3.1	45	65	40	2072
			Mud and Sand	5500	1.6	25	20	12	2898
13 R 22.5 TL (CAI: 109668)	XZL™ 154/150 K	✓	Measuring 9.00	74 kg	20.2 mm	307 mm	1130 mm	525 mm	3450
			Road	3750	8.0	116	110	68	637
			Road Dual	3350	8.0	116	110	68	595
			Cross Country	2450	3.3	50	70	43	780
			Mud and Sand	2450	1.7	25	30	19	1037
445/65 R 22.5 TL (CAI: 110142)	XZL™ (WB) 168 G	✓	Measuring 14.00	105.1 kg	21 mm	448 mm	1168 mm	537	3550
			Road	5600	8.0	116	90	56	1037
			Cross Country	3800	4.0	60	65	40	1151
			Mud and Sand	3800	2.3	35	20	12	1453
415/80 R 685 TL (CAI: 703559)	X® FORCE™ ZL 164 K	✓	Measuring 230 - 685 TR	113.7 kg	20.8 mm	435 mm	1332 mm	615	4080
			Road	5000	7.6	110	110	68	903
			Cross Country	5000	4.4	64	70	43	1325
			Mud and Sand	5000	2.8	41	30	19	1790

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.



MICHELIN MILITARY TYRE SPECIFICATIONS

MICHELIN X[®] FORCE™ 2 / XZL 2™



SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
395/85 R 20 TL* (CAI: 519331)	XZL 2™ 168 K (164 L)	✓	Measuring 10.00 Optional 10.00W	96.7 kg	20 mm	388 mm	1176 mm	534 mm	3584
			Road	5600	8.5	120	110	68	913
			Cross Country	3640	3.6	52	70	43	1155
			Mud and Sand	3640	2.1	30	30	19	1584
395/90 R 560 TR TL In preparation	X [®] FORCE™ 2 160J (154K)	✓	Measuring 240TR	110 kg	22 mm	390 mm	1252	577	3807
			Road	4500	7.1	103	100	62	914
			Cross Country	4500	4.1	60	70	43	1334
			Mud and Sand	4500	2.1	30	30	19	1950
415/80 R 685 TR TL (CAI: 733132)	X [®] FORCE™ 2 164J	✓	Measuring 230-685TR	119 kg	21 mm	402 mm	1331	610 mm	4050
			Road	5000	7.6	110	100	62	918
			Cross Country	5000	4.4	64	70	43	1490
			Mud and Sand	5000	2.8	41	30	19	1877

MICHELIN X[®] FORCE™ S / XS™



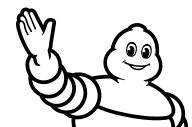
7.50 R16 TL (CAI: 574848)	XS™ 116/114 N	✓	Measuring 6.00G	21.6 kg	10 mm	214 mm	826 mm	384 mm	2529
			Road	1250	5.3	77	140	87	277
			Road Dual	1180	5.3	77	130	81	265
			Cross Country	800	1.8	26	65	40	377
			Mud and Sand	800	1.0	15	20	12	542
14.00 R 20 TL* (CAI: 109260)	XS™ 160/157 F	✓	Measuring 10.00W Optional 9.0, 10.0, 10.00V	94.6 kg	16.5 mm	369 mm	1238 mm	566 mm	3772
			Road	4500	7.0	102	80	50	813
			Cross Country	3250	3.1	45	70	43	1146
			Mud and Sand	3250	1.6	23	30	19	1822
525/65 R 20.5 (20.5 R 20.5) TL (CAI: 109421)	XS™ 173 F	✓	Measuring 16.00	130.3 kg	16.8 mm	521 mm	1200 mm	548 mm	3640
			Road	6500	8.0	120	80	50	1121
			Cross Country	4300	3.8	55	70	43	1298
			Mud and Sand	4300	2.2	32	30	19	1698
24 R 20.5 TL (CAI: 109174)	XS™ 176 F	✓	Measuring 18.00	180.1 kg	16.8 mm	602 mm	1374 mm	620 mm	4150
			Road	7100	6.0	90	80	50	1563
			Cross Country	5500	3.4	49	70	43	1919
			Mud and Sand	5500	1.9	28	30	19	2920

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.

MICHELIN X[®] FORCE™ ML / XML™


SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
325/85 R 16 TL (CAI: 109683)	XML™ 137J (134K)	✓	Measuring 9.00	54 kg	16.5 mm	327 mm	984 mm	449 mm	2980
			Road	2300	4.5	65	100	62	604
			Cross Country	2300	3.1	45	70	43	831
			Mud and Sand	2300	1.6	25	30	19	1140
395/85 R 20 TL (CAI: 110510)	XML™ 161 G	✓	Measuring 10.00 Optional 10.00W	95 kg	23.7 mm	385 mm	1187 mm	543 mm	3590
			Road	4625	7.0	102	90	56	874
			Cross Country	4625	4.8	70	70	43	1219
			Mud and Sand	4625	2.8	40	30	19	1619
475/80 R 20 TL (CAI: 109723)	XML™ 166 G	✓	Measuring 14.0V	129.2 kg	23.5 mm	480 mm	1272 mm	581 mm	3860
			Road	5300	6.0	87	90	56	1141
			Cross Country	4000	2.9	40	70	43	1572
			Mud and Sand	4000	1.6	25	30	19	2108
12.00 R 20 TL* (CAI: 110259)	XML™ 149/146 J	✓	Measuring 8.50 Optional 7.33, 7.50, 8.00, 9.00	76.3 kg	19.5 mm	308 mm	1131 mm	526 mm	3443
			Road	3250	7.2	105	100	62	787
			Cross Country	3250	4.1	60	70	43	997
			Mud and Sand	3250	2.3	35	30	19	1292
14.00 R 20 TL (CAI: 109093)	XML™ 153 G (149 K)	✓	Measuring 10.00W Optional 9,00, 10.00V, 10.00	101 kg	24.4 mm	383 mm	1258 mm	581 mm	3830
			Road	3650	6.2	90	90	56	935
			Cross Country	3650	3.5	50	70	43	1458
			Mud and Sand	3650	1.6	25	30	19	2273
395/90 R 560 TR TL (CAI: 982123)	XML™ 154K (156 F)	✓	Measuring 240 TR	102 kg	24.4 mm	392 mm	1256 mm	582 mm	3835
			Road	3750	6.4	90	110	68	810
			Cross Country	3750	3.5	50	70	43	1267
			Mud and Sand	3750	1.7	25	30	19	1794
395/90 R 560 TR TL (CAI: 629878)	X[®] FORCE™ ML™ 158 G (156J)	✓	Measuring 240 TR	108.6 kg	24.4 mm	392 mm	1256 mm	579 mm	3823
			Road	4250	6.6	96	90	56	860
			Cross Country	4250	3.8	55	70	43	1317
			Mud and Sand	4250	1.9	28	30	19	1910
415/80 R 685 TR TL (CAI: 355963)	XML™ 160 K	✓	Measuring 230 - 685TR	104.7 kg	22.5 mm	404 mm	1330 mm	613 mm	4072
			Road	4500	6.7	95	110	68	918
			Cross Country	4500	3.9	57	70	43	1490
			Mud and Sand	4500	2.5	36	30	19	1877

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.


MICHELIN

MICHELIN MILITARY TYRES: RIMS / RINGS / TUBES / FLAPS

Without = Technically not possible - None = Technically possible, but no MICHELIN product available

TYRES				RIMS	O Ring or L Ring		TUBE				FLAP	
SEAT	SIZE	TYPE	CAI		REF OR = O Ring LR = L Ring	CAI	REF (1)	CAI	VALVE		REF	CAI
									TYPE	OFFSET		
16,0	255/100 R 16 TL* (9.00 R 16)	XZL™ 126 K (134 J)	110650	6.00G - 6.50H SDC	LR R1967	553026	16 J	101402	V3.08.4 spud + V3.04.2 double bend	0	16x6.00 E M	252581
16,0	11.00 R 16 TL*	XZL™ 135 K	109142	6.50HG SDC	LR SPRAT R1014	553007	16 P	101165	V3.08.4 spud + V3.02.9 single bend	0	16x6.00 E M	252581
16,0	325/85 R 16 TL	X® FORCE™ Z 140K	881538	9.00	LR R1967	553026	None	None	None	None	None	None
		XML™ 137J (134K)	109683									
20,0	275/80 R 20 TL* (10.5 R 20)	X® FORCE™ ZL™ MPT 128 K	423311	9 DC	Without	Without	20P15	101167	TR 15	40	Without	Without
			109902	9 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None
		XZL™ MPT 128 K	9 DC	Without	Without	20P15	101167	TR 15	40	Without	Without	
			9 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None	None
20,0	335/80 R 20 TL* (12.5 R 20)	X® FORCE™ ZL™ MPT 150 K	420813	11 DC	Without	Without	20P15	101167	TR 15	40	Without	Without
			11 & 12 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None	None
		XZL™ MPT 141 K	11 DC	Without	Without	20P15	101167	TR 15	40	Without	Without	
			11 & 12 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None	None
20,0	365/80 R 20 TL* (14.5 R 20)	XZL™ MPT 152 K	110081	11 DC	Without	Without	20P15	101167	TR 15	40	Without	Without
20,0	365/85 R 20 TL*	XZL™ 164G	109374	9.00 V to 10.00 W Flat base 9.0 to 10.0 Adv / 2x5°	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
			110013	10.00 V / W Flat base 10.0 Adv / 2x5°	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
20,0	395/85 R 20 TL*	XZL™ 168G (161J)	110013	20 - 10.00 W Flat base	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
		XZL 2™ 168 K (164 L)	519331									
20,0	475/80 R 20 TL	XML™ 166 G	109723	14.0 V - 20 / 1x5°	LR TYRAN R1443	553004	20 V	511937	V3.08.4 spud + V3.02.3 single bend	0	None	None
			17,00	None	None	20 V	511937	V3.08.4 spud + V3.02.3 single bend	0	None	None	
20,0	10.00 R 20 TT	XZL™ 146/143 K	110148	7.33 V to 8.00 V Flat base 7.5 to 8.0 Adv / 2x5°	None	None	20 N	101161	V3.08.4 spud + V3.02.14 single bend	0	20 x 8.50 E	162318
20,0	11.00 R 20 TL*	XZL™ 150/146 K	110062	8.00 V to 9.00 V Flat base 7.5 to 9.0 Adv / 2x5°	LR TYRAN R1443	553004	20 P	101173	V3.08.4 spud + V3.02.14 single bend	0	20 x 8.50 E	162318
20,0	12.00 R 20 TL*	XZL™ 154/149 K	110132	8.00 V to 9.00 V Flat base 7.5 to 9.0 Adv / 2x5°	LR TYRAN R1443	553004	20 Q	101192	V3.08.4 spud + V3.02.14 single bend	0	20 x 8.50 E	162318
			110259									
20,0	14.00 R 20 TL	XZL+™ 164/160 J (166 G)	323281	10.00 V / 10.00 W Flat base 9.0 to 10.0 Adv / 2x5°	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
		XSTM 160/157 F	109260									
		XML™ 153 G (149 K)	109093									
20,0	16.00 R 20 TL*	XZL™ 173/170 G	123357	20 - 10.00 W Flat base	LR TYRAN R1443	553004	20 V	511942	V3.08.4 spud (only)	0	20 x 10.00 E	622293
20,5	525/65 R 20.5 TL (20.5 R 20.5)	XSTM 173 F	109421	16.00 x 20.5 DC rim / 2x15°	Without	Without	19.5 / 20.5 UD	101280	V3.08.4 spud + R1964 straight bend	75	Without	Without
20,5	24 R 20.5 TL	XSTM 176 F	109174	18.00 x 20.5 DC rim / 2x15°	Without	Without	20.5 WAMD	101331	Spud R1946 + TRJ650	100	Without	Without
21,0	24 R 21 TL*	XZL™ 176 G	110257	21 - 18.00 Flat base	OR 6.8-21 R1506	553213	21 WAM	101333	Spud R1946 + TRJ650	0	None	None
22,5	13 R 22.5 TL	XZL™ 154/150K	109668	9.00 and 9.75 x 22.5 DC rim / 2x15°	Without	Without	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	Without	Without
22,5	13 R 22.5 TL	XZH2R™ 154/150G	000401	9.00 and 9.75 x 22.5 DC rim / 2x15°	Without	Without	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	Without	Without
22,5	315/80 R 22.5 TL	X® FORCE ZH™ 156/150G	668200	9.00 and 9.75 x 22.5 DC rim / 2x15°	Without	Without	20 PD	101177	V3.08.4 spud + R1964 straight bend	29	Without	Without
22,5	445/65 R 22.5 TL	XZL™ (WB) 168 G	110142	14.00 x 22.5 DC rim / 2x15°	Without	Without	22.5 U AMD	101289	Spud R1946 + TRJ650	75	Without	Without
560 mm	395/90 R 560 TR TL*	X FORCE 2™ 160J (154K)	in preparation	240TR	None	None	None	None	None	None	None	None
560 mm	395/90 R 560 TR TL	XZL™ 154/150K	982123	240TR	None	None	None	None	None	None	None	None
		X® FORCE ML™ 158G	629878	240TR	None	None	None	None	None	None	None	None
685 mm	415/80 R 685 TR TL*	X® FORCE ZL™ 164J	703559	230 - 685 TR	None	None	None	None	None	None	None	None
685 mm	415/80 R 685 TR TL*	X® FORCE 2™ 164J	733132	230 - 685 TR	None	None	None	None	None	None	None	None
685 mm	415/80 R 685 TR TL	XML™ 160 K	355963	230 - 685 TR	None	None	None	None	None	None	None	None

(1) COMPULSORY to check for each reference of tube if its valve (type & offset) matches with the valve hole of the rim (hole or slot ?, centred or not ?...) and the valve hole of the flap (if there is a flap).

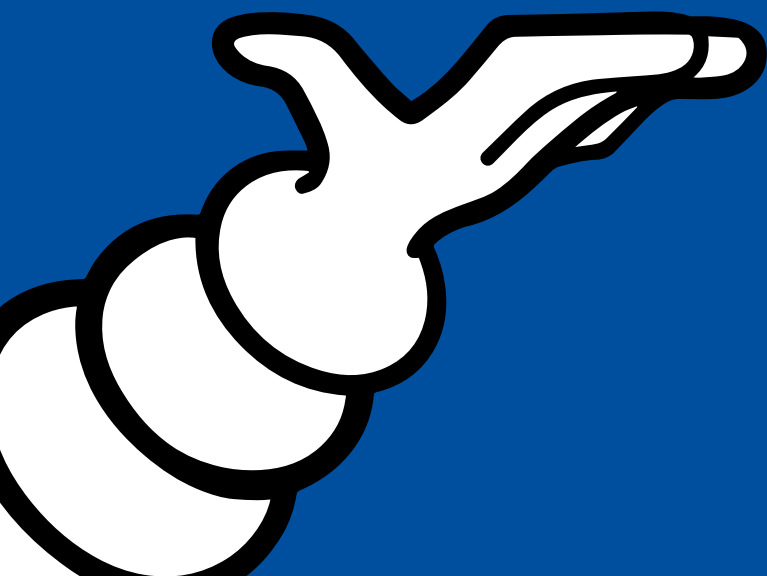


SPECIALLY DESIGNED FOR CIVIL OR MILITARY VEHICLES THAT DRIVE ON ALL TERRAINS
AND REQUIRE MAXIMUM MOBILITY

 **X FORCE™**



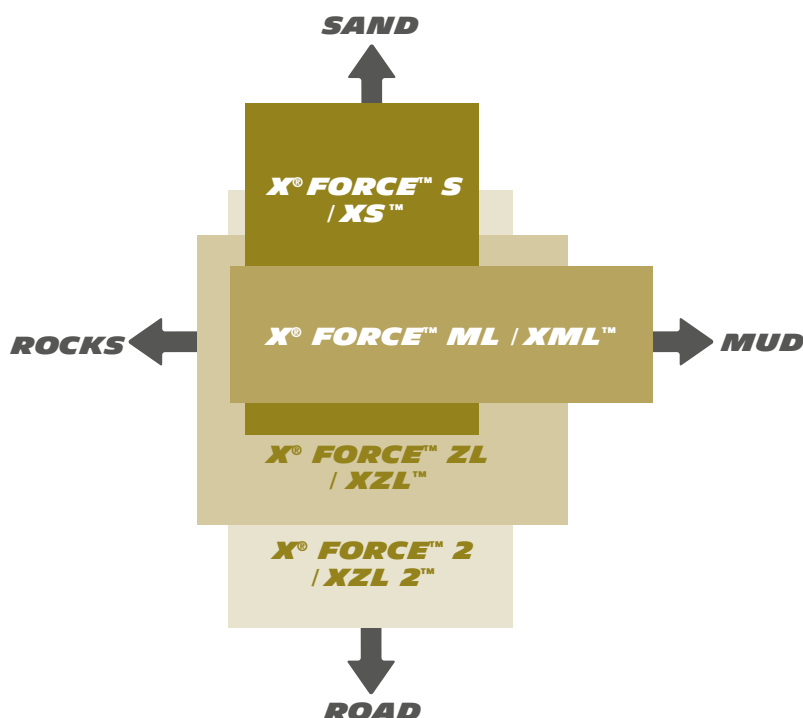
MICHELIN OFF-ROAD TYRES DATA BOOK 2018-2019 EDITION



IN THE MOST EXTREME CONDITIONS, RUNNING ON MICHELIN TYRES MEANS

<p>Being equipped with high-performing tyres</p>	<p>Relying on a specialised team</p>	<p>Benefiting from minimum running costs</p>
	<ul style="list-style-type: none"> Experienced in the requirements of off-road activity. 	<ul style="list-style-type: none"> High mileage potential, damage resistance and reliability of Michelin casings. Through the tyre's life, Michelin offers best value while offering high levels of damage resistance and survivability.
<ul style="list-style-type: none"> Designed and homologated according to demanding specifications, thanks to Michelin's partnership with all off-road vehicle manufacturers. 		<p>Counting on worldwide assistance</p> <ul style="list-style-type: none"> Availability of MICHELIN tyres and technical support on five continents.
<p>Choosing from a comprehensive range of products</p> <ul style="list-style-type: none"> For all types of vehicles and all conditions of use. 	<p>Profiting from technological innovations from a global manufacturer</p> <ul style="list-style-type: none"> All-terrain tyres on radial casings, patented tread patterns and concept solutions. 	

MICHELIN OFF-ROAD TYRE USE



SPEED / LOAD INDEX

SPEED INDEX

SI	D	E	F	G	J	K	L	M	N
KM/H	65	70	80	90	100	110	120	130	140

LOAD INDEX

LI	KG	LL	KG	LL	KG	LL	KG
106	950	124	1600	142	2650	160	4500
107	975	125	1650	143	2725	161	4625
108	1000	126	1700	144	2800	162	4750
109	1030	127	1750	145	2900	163	4875
110	1060	128	1800	146	3000	164	5000
111	1090	129	1850	147	3075	165	5150
112	1120	130	1900	148	3150	166	5300
113	1150	131	1950	149	3250	167	5450
114	1180	132	2000	150	3350	168	5600
115	1215	133	2060	151	3450	169	5800
116	1250	134	2120	152	3550	170	6000
117	1285	135	2180	153	3650	171	6150
118	1320	136	2240	154	3750	172	6300
119	1360	137	2300	155	3875	173	6500
120	1400	138	2360	156	4000	174	6700
121	1450	139	2430	157	4125	175	6900
122	1500	140	2500	158	4250	176	7100
123	1550	141	2575	159	4375		

**THE ALL-TERRAIN,
ALL POSITION RADIAL
TYRE FOR MOBILITY
IN ALL CONDITIONS**

- Exceptional mobility whatever the terrain
- Safety and comfort on-road
- Robustness
- Run-flat capability

**MICHELIN
X[®] FORCE™ ZL / XZL**



**THE TYRE OPTIMISED
FOR ROADS, TRACKS
AND SAND**

- Exceptional handling on-road and good flotation on sand
- High-speed long-distance capability
- Very good tread life
- Run-flat capability

**MICHELIN
X[®] FORCE™ 2 / XZL 2™**



**THE ALL-TERRAIN,
ALL POSITION RADIAL
TYRE OPTIMISED FOR
SAND MOBILITY**

- Exceptional mobility on sand
- Safety on tracks and roads
- Run-flat capability

**MICHELIN
X[®] FORCE™ S / XS™**



THE REFERENCE IN MUD

- Exceptional mobility in mud
- Sidewall and tread block robustness
- Run-flat capability

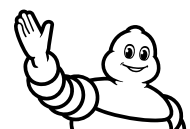
**MICHELIN
X[®] FORCE™ ML / XML™**



**THE ROBUST TYRE
OPTIMISED
FOR WORKSITES
AND QUARRIES**

- Exceptional damage resistance
- Excellent traction in difficult conditions
- Safe handling on- and off-road

**MICHELIN
X[®] FORCE™ ZH / XZH2R™**



MICHELIN OFF-ROAD TYRE SPECIFICATIONS

MICHELIN X[®] FORCE™ ZL / XZL™



SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE		MAXIMUM SPEED		FOOTPRINT	
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
255/100 R 16 (9.00 R 16) TL* (CAI: 110650)	XZL™ 126 K (134 J)	✓	Measuring 6.50 H Optional 6.00G	39.9 kg	16.5 mm	255 mm	923 mm	426 mm	2810
			Road	1700	4.5	65	110	68	437
			Cross Country	1700	2.9	40	70	43	577
			Mud and Sand	1700	1.7	25	30	19	833
325/85 R 16 TL (CAI: 881538)	X [®] FORCE™ Z 140K	✓	Measuring 9.00	54.7 kg	17 mm	329 mm	983 mm	448 mm	2973
			Road	2500	5.0	72	110	68	564
			Cross Country	2500	3.6	52	70	43	776
			Mud and Sand	2500	1.9	28	30	19	1065
11.00 R 16 TL* (CAI: 109142)	XZL™ 135 K	✓	Measuring 6.50H	49.7 kg	17.5 mm	287 mm	984 mm	455 mm	3000
			Road	2180	5.5	80	110	68	583
			Cross Country	2180	3.2	45	65	40	756
			Mud and Sand	2180	1.7	25	20	12	1010
275/80 R 20 (10.5 R 20) TL* (CAI: 423311)	X [®] FORCE™ ZL MPT 128 K	✓	Measuring 9.00 Optional 9.00 - 9SDC - W9	34.2 kg	16.1 mm	277 mm	940 mm	433 mm	2857
			Road	1800	4.2	61	110	68	419
			Cross Country	1800	2.7	40	70	43	545
			Mud and Sand	1800	2.0	30	30	19	677
335/80 R 20 (12.5 R 20) TL* (CAI: 420813)	X [®] FORCE™ ZL MPT 150 K	✓	Measuring 11.00 Optional 11 SDC, W11, DW 11, 12, 12 SDC	58.7 kg	16.2 mm	341 mm	1037 mm	478 mm	3160
			Road	3350	6.5	93	110	68	635
			Cross Country	3350	5.7	85	70	43	694
			Mud and Sand	3350	2.8	40	30	19	1101
335/80 R 20 (12.5 R 20) TL* (CAI: 110247) Stop end 2019	XZL™ MPT 141 K	✓	Measuring 11.00 Optional 9, 9 SDC, W9, W10, DW10, 11 SDC, W11, DW11, 12, 12 SDC	56.8 kg	17.8 mm	345 mm	1037 mm	473 mm	3140
			Road	2575	4.3	62	110	68	715
			Cross Country	2575	3.7	54	70	43	771
			Mud and Sand	2575	1.9	28	30	19	1082
365/80 R 20 (14.5 R 20) TL* (CAI: 110081)	XZL™ MPT 152 K	✓	Measuring 11.00	71.3 kg	19.9 mm	372 mm	1096 mm	501 mm	3330
			Road	3550	6.0	87	110	68	777
			Cross Country	3550	4.7	68	65	40	880
			Mud and Sand	3550	2.4	35	20	12	1244
365/85 R 20 TL* (CAI: 109374)	XZL™ 164 G	✓	Measuring 10.0	88.3 kg	22.5 mm	368 mm	1144 mm	520 mm	3460
			Road	5000	7.5	109	90	55	857
			Cross Country	3250	3.8	55	70	43	932
			Mud and Sand	3250	2.1	30	30	19	1246
395/85 R 20 TL* (CAI: 110013)	XZL™ 168 G (161 J)	✓	Measuring 10.00W Optional 10.00	98.5 kg	25.8 mm	388 mm	1189 mm	542 mm	3600
			Road	5600	8.5	123	90	55	932
			Cross Country	3650	3.6	52	70	43	1110
			Mud and Sand	3650	2.1	30	30	19	1432

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.

SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
10.00 R 20 TT (CAI: 110148)	XZL™ 146/143 K	✓	Measuring 7.50	53.9 kg	17.3 mm	281 mm	1060 mm	493 mm	3240
			Road	3000	7.8	113	110	68	500
			Cross Country	1950	2.9	42	65	40	615
			Mud and Sand	1950	1.5	22	20	12	799
11.00 R 20 TL* (CAI: 110062)	XZL™ 150/146 K	✓	Measuring 8.00 Optional 8.50, 7.50	63.7 kg	18 mm	299 mm	1092 mm	508 mm	3340
			Road	3350	8.0	116	110	68	546
			Cross Country	2200	2.9	40	65	40	700
			Mud and Sand	2200	1.5	20	20	12	931
12.00 R 20 TL* (CAI: 110132)	XZL™ 154/149 K	✓	Measuring 8.50 Optional 7.50, 8.0, 9.0	73.2 kg	18.7 mm	311 mm	1131 mm	527 mm	3460
			Road	3750	8.5	123	110	68	611
			Cross Country	2450	2.8	41	65	40	831
			Mud and Sand	2450	1.5	22	20	12	1122
14.00 R 20 TL* (CAI: 323281)	XZL™+ 164/160 J (166 G)	✓	Measuring 10.00 Optional 10.00, 10.00W	104.2 kg	22.3 mm	386 mm	1258 mm	578 mm	3832
			Road	5000	7.6	110	100	62	983
			Cross Country	5000	5.5	80	70	43	1240
			Mud and Sand	5000	3.3	50	30	19	1657
16.00 R 20 TL* (CAI: 123357)	XZL™ 173/170 G	✓	Measuring 10.00W Optional 10.0V, 10.00, 11.25	151.7 kg	27 mm	438 mm	1343 mm	609	4090
			Road	6500	7.5	109	90	56	1288
			Cross Country	4500	3.4	49	70	43	1496
			Mud and Sand	4500	1.8	26	30	19	1959
24 R 21 TL (CAI: 110257)	XZL™ 176 G	✓	Measuring 18.00	190.8 kg	25 mm	608 mm	1388 mm	631 mm	4200
			Road	7100	6.0	87	90	56	1675
			Cross Country	5500	3.1	45	65	40	2072
			Mud and Sand	5500	1.6	25	20	12	2898
13 R 22.5 TL (CAI: 109668)	XZL™ 154/150 K	✓	Measuring 9.00	74 kg	20.2 mm	307 mm	1130 mm	525 mm	3450
			Road	3750	8.0	116	110	68	637
			Road Dual	3350	8.0	116	110	68	595
			Cross Country	2450	3.3	50	70	43	780
			Mud and Sand	2450	1.7	25	30	19	1037
445/65 R 22.5 TL (CAI: 110142)	XZL™ (WB) 168 G	✓	Measuring 14.00	105.1 kg	21 mm	448 mm	1168 mm	537	3550
			Road	5600	8.0	116	90	56	1037
			Cross Country	3800	4.0	60	65	40	1151
			Mud and Sand	3800	2.3	35	20	12	1453
415/80 R 685 TL (CAI: 703559)	X® FORCE™ ZL 164 K	✓	Measuring 230 - 685 TR	113.7 kg	20.8 mm	435 mm	1332 mm	615	4080
			Road	5000	7.6	110	110	68	903
			Cross Country	5000	4.4	64	70	43	1325
			Mud and Sand	5000	2.8	41	30	19	1790

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.



MICHELIN OFF-ROAD TYRE SPECIFICATIONS

MICHELIN X[®] FORCE™ 2 / XZL 2™



SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)								
										LOAD & SPEED INDEX UNIQUE POINT	RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
												KG / KPA	BAR	PSI	KM/H	MPH	
395/85 R 20 TL* (CAI: 519331)	XZL 2™ 168 K (164 L)	✓	Measuring 10.00 Optional 10.00W	96.7 kg	20 mm	388 mm	1176 mm	534 mm	3584								
			Road	5600	8.5	120	110	68	913								
			Cross Country	3640	3.6	52	70	43	1155								
			Mud and Sand	3640	2.1	30	30	19	1584								
395/90 R 560 TR TL In preparation	X [®] FORCE™ 2 160J (154K)	✓	Measuring 240TR	110 kg	22 mm	390 mm	1252	577	3807								
			Road	4500	7.1	103	100	62	914								
			Cross Country	4500	4.1	60	70	43	1334								
			Mud and Sand	4500	2.1	30	30	19	1950								
415/80 R 685 TR TL (CAI: 733132)	X [®] FORCE™ 2 164J	✓	Measuring 230-685TR	119 kg	21 mm	402 mm	1331	610 mm	4050								
			Road	5000	7.6	110	100	62	918								
			Cross Country	5000	4.4	64	70	43	1490								
			Mud and Sand	5000	2.8	41	30	19	1877								

MICHELIN X[®] FORCE™ S / XS™



7.50 R16 TL (CAI: 574848)	XS™ 116/114 N	✓	Measuring 6.00G	21.6 kg	10 mm	214 mm	826 mm	384 mm	2529
			Road	1250	5.3	77	140	87	277
			Road Dual	1180	5.3	77	130	81	265
			Cross Country	800	1.8	26	65	40	377
			Mud and Sand	800	1.0	15	20	12	542
14.00 R 20 TL* (CAI: 109260)	XS™ 160/157 F	✓	Measuring 10.00W Optional 9.0, 10.0, 10.00V	94.6 kg	16.5 mm	369 mm	1238 mm	566 mm	3772
			Road	4500	7.0	102	80	50	813
			Cross Country	3250	3.1	45	70	43	1146
			Mud and Sand	3250	1.6	23	30	19	1822
525/65 R 20.5 (20.5 R 20.5) TL (CAI: 109421)	XS™ 173 F	✓	Measuring 16.00	130.3 kg	16.8 mm	521 mm	1200 mm	548 mm	3640
			Road	6500	8.0	120	80	50	1121
			Cross Country	4300	3.8	55	70	43	1298
			Mud and Sand	4300	2.2	32	30	19	1698
24 R 20.5 TL (CAI: 109174)	XS™ 176 F	✓	Measuring 18.00	180.1 kg	16.8 mm	602 mm	1374 mm	620 mm	4150
			Road	7100	6.0	90	80	50	1563
			Cross Country	5500	3.4	49	70	43	1919
			Mud and Sand	5500	1.9	28	30	19	2920

MICHELIN X[®] FORCE™ ML / XML™



325/85 R 16 TL (CAI: 109683)	XML™ 137J (134K)	✓	Measuring 9.00	54 kg	16.5 mm	327 mm	984 mm	449 mm	2980
			Road	2300	4.5	65	100	62	604
			Cross Country	2300	3.1	45	70	43	831
			Mud and Sand	2300	1.6	25	30	19	1140
395/85 R 20 TL (CAI: 110510)	XML™ 161 G	✓	Measuring 10.00 Optional 10.00W	95 kg	23.7 mm	385 mm	1187 mm	543 mm	3590
			Road	4625	7.0	102	90	56	874
			Cross Country	4625	4.8	70	70	43	1219
			Mud and Sand	4625	2.8	40	30	19	1619

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.

MICHELIN X[®] FORCE™ ML / XML™


SIZE	TREAD	M+S	RECOMMENDED MEASURING & OPTIONAL RIMS	MASS (+/- 3%)	TREAD DEPTH	OVERALL WIDTH (+/- 3MM)	OVERALL DIAMETER (+/- 4 MM)	STATIC LADEN RADIUS	ROLLING CIRCUMFERENCE (+/- 0.5%)
TL, TT OR TL* (*MAY BE USED WITH TUBE)	LOAD & SPEED INDEX UNIQUE POINT		RUNNING CONDITIONS SINGLE OR DUAL MOUNT	MAXIMUM LOAD & PRESSURE PER TYRE			MAXIMUM SPEED		FOOTPRINT
				KG / KPA	BAR	PSI	KM/H	MPH	CM ²
475/80 R 20 TL (CAI: 109723)	XML™ 166 G	✓	Measuring 14.0V	129.2 kg	23.5 mm	480 mm	1272 mm	581 mm	3860
			Road	5300	6.0	87	90	56	1141
			Cross Country	4000	2.9	40	70	43	1572
			Mud and Sand	4000	1.6	25	30	19	2108
12.00 R 20 TL* (CAI: 110259)	XML™ 149/146 J	✓	Measuring 8.50 Optional 7.33, 7.50, 8.00, 9.00	76.3 kg	19.5 mm	308 mm	1131 mm	526 mm	3443
			Road	3250	7.2	105	100	62	787
			Cross Country	3250	4.1	60	70	43	997
			Mud and Sand	3250	2.3	35	30	19	1292
14.00 R 20 TL (CAI: 109093)	XML™ 153 G (149 K)	✓	Measuring 10.00W Optional 9.00, 10.00V, 10.00	101 kg	24.4 mm	383 mm	1258 mm	581 mm	3830
			Road	3650	6.2	90	90	56	935
			Cross Country	3650	3.5	50	70	43	1458
			Mud and Sand	3650	1.6	25	30	19	2273
395/90 R 560 TR TL (CAI: 982123)	XML™ 154K (156 F)	✓	Measuring 240 TR	102 kg	24.4 mm	392 mm	1256 mm	582 mm	3835
			Road	3750	6.4	90	110	68	810
			Cross Country	3750	3.5	50	70	43	1267
			Mud and Sand	3750	1.7	25	30	19	1794
395/90 R 560 TR TL (CAI: 629878)	X [®] FORCE™ ML™ 158 G (156J)	✓	Measuring 240 TR	108.6 kg	24.4 mm	392 mm	1256 mm	579 mm	3823
			Road	4250	6.6	96	90	56	860
			Cross Country	4250	3.8	55	70	43	1317
			Mud and Sand	4250	1.9	28	30	19	1910
415/80 R 685 TR TL (CAI: 355963)	XML™ 160 K	✓	Measuring 230 - 685TR	104.7 kg	22.5 mm	404 mm	1330 mm	613 mm	4072
			Road	4500	6.7	95	110	68	918
			Cross Country	4500	3.9	57	70	43	1490
			Mud and Sand	4500	2.5	36	30	19	1877

MICHELIN X[®] FORCE™ ZH™ / XZH2R™


13 R 22.5 TL (CAI: 000401)	XZH2R™ 154/150G (156/150F)	✓	Measuring 9.00	84 kg	22.0 mm	317 mm	1135 mm	528 mm	3456
			Road	3750	8.0	115	90	56	633
			Road Dual	3350	8.0	115	90	56	594
			Cross Country	2500	3.3	50	70	43	790
			Mud and Sand	2500	1.6	25	30	19	1079
315/80 R 22.5 TL (CAI: 668200)	X [®] FORCE™ ZH™ 156/150G	✓	Measuring 9.00	75.5 kg	20.1 mm	317 mm	1088 mm	503 mm	3318
			Road	4000	8.5	123	90	56	591
			Road Dual	3350	8.5	123	90	56	527
			Cross Country	2600	3.8	55	70	43	713
			Mud and Sand	2600	2.2	32	30	19	970

All pressures are given for nominal conditions. Extension of use may be allowed for specific needs. Please contact your Michelin representative.


MICHELIN

MICHELIN OFF-ROAD TYRES: RIMS / RINGS / TUBES / FLAPS

Without = Technically not possible - None = Technically possible, but no MICHELIN product available

TYRES				RIMS	O Ring or L Ring		TUBE				FLAP	
SEAT	SIZE	TYPE	CAI		REF OR = O Ring LR = L Ring	CAI	REF (1)	CAI	VALVE		REF	CAI
									TYPE	OFFSET		
16,0	255/100 R 16 TL* (9.00 R 16)	XZL™ 126 K (134 J)	110650	6.00G - 6.50H SDC	LR R1967	553026	16 J	101402	V3.08.4 spud + V3.04.2 double bend	0	16x6.00 E M	252581
16,0	11.00 R 16 TL*	XZL™ 135 K	109142	6.50HG SDC	LR SPRAT R1014	553007	16 P	101165	V3.08.4 spud + V3.02.9 single bend	0	16x6.00 E M	252581
16,0	325/85 R 16 TL	X® FORCE™ Z 140K	881538	9.00	LR R1967	553026	None	None	None	None	None	None
		XML™ 137J (134K)	109683									
20,0	275/80 R 20 TL* (10.5 R 20)	X® FORCE™ ZL™ MPT 128 K	423311	9 DC	Without	Without	20P15	101167	TR 15	40	Without	Without
			109902	9 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None
		XZL™ MPT 128 K	9 DC	Without	Without	20P15	101167	TR 15	40	Without	Without	
			9 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None	None
20,0	335/80 R 20 TL* (12.5 R 20)	X® FORCE™ ZL™ MPT 150 K	420813	11 DC	Without	Without	20P15	101167	TR 15	40	Without	Without
			110247	11 & 12 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None
		XZL™ MPT 141 K	11 DC	Without	Without	20P15	101167	TR 15	40	Without	Without	
			11 & 12 SDC	OR 6.6-20 R1681	553215	None	None	None	None	None	None	None
20,0	365/80 R 20 TL* (14.5 R 20)	XZL™ MPT 152 K	110081	11 DC	Without	Without	20P15	101167	TR 15	40	Without	Without
20,0	365/85 R 20 TL*	XZL™ 164G	109374	9.00 V to 10.00 W Flat base 9.0 to 10.0 Adv / 2x5°	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
			110013	10.00 V / W Flat base 10.0 Adv / 2x5°	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
20,0	395/85 R 20 TL*	XZL™ 168G (161J) XZL 2™ 168 K (164 L) XML™ 161 G	110510	20 - 10.00 W Flat base	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
			109723	14.0 V - 20 / 1x5°	LR TYRAN R1443	553004	20 V	511937	V3.08.4 spud + V3.02.3 single bend	0	None	None
20,0	475/80 R 20 TL	XML™ 166 G	109723	17,00	None	None	20 V	511937	V3.08.4 spud + V3.02.3 single bend	0	None	None
			110148	7.33 V to 8.00 V Flat base 7.5 to 8.0 Adv / 2x5°	None	None	20 N	101161	V3.08.4 spud + V3.02.14 single bend	0	20 x 8.50 E	162318
20,0	11.00 R 20 TL*	XZL™ 150/146 K	110062	8.00 V to 9.00 V Flat base 7.5 to 9.0 Adv / 2x5°	LR TYRAN R1443	553004	20 P	101173	V3.08.4 spud + V3.02.14 single bend	0	20 x 8.50 E	162318
20,0	12.00 R 20 TL*	XZL™ 154/149 K XML™ 149/146 J	110132	8.00 V to 9.00 V Flat base 7.5 to 9.0 Adv / 2x5°	LR TYRAN R1443	553004	20 Q	101192	V3.08.4 spud + V3.02.14 single bend	0	20 x 8.50 E	162318
			110259									
20,0	14.00 R 20 TL	XZL+™ 164/160 J (166 G)	323281	10.00 V / 10.00 W Flat base 9.0 to 10.0 Adv / 2x5°	LR TYRAN R1443	553004	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	20 x 10.00 E	622293
		XSTM 160/157 F	109260									
		XML™ 153 G (149 K)	109093									
20,0	16.00 R 20 TL*	XZL™ 173/170 G	123357	20 - 10.00 W Flat base	LR TYRAN R1443	553004	20 V	511942	V3.08.4 spud (only)	0	20 x 10.00 E	622293
20,5	525/65 R 20.5 TL (20.5 R 20.5)	XSTM 173 F	109421	16.00 x 20.5 DC rim / 2x15°	Without	Without	19.5 / 20.5 UD	101280	V3.08.4 spud + R1964 straight bend	75	Without	Without
20,5	24 R 20.5 TL	XSTM 176 F	109174	18.00 x 20.5 DC rim / 2x15°	Without	Without	20.5 WAMD	101331	Spud R1946 + TRJ650	100	Without	Without
21,0	24 R 21 TL*	XZL™ 176 G	110257	21 - 18.00 Flat base	OR 6.8-21 R1506	553213	21 WAM	101333	Spud R1946 + TRJ650	0	None	None
22,5	13 R 22.5 TL	XZL™ 154/150K	109668	9.00 and 9.75 x 22.5 DC rim / 2x15°	Without	Without	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	Without	Without
22,5	13 R 22.5 TL	XZH2R™ 154/150G	000401	9.00 and 9.75 x 22.5 DC rim / 2x15°	Without	Without	20 S	101222	V3.08.4 spud + V3.06.5 triple bend	0	Without	Without
22,5	315/80 R 22.5 TL	X® FORCE ZH™ 156/150G	668200	9.00 and 9.75 x 22.5 DC rim / 2x15°	Without	Without	20 PD	101177	V3.08.4 spud + R1964 straight bend	29	Without	Without
22,5	445/65 R 22.5 TL	XZL™ (WB) 168 G	110142	14.00 x 22.5 DC rim / 2x15°	Without	Without	22.5 U AMD	101289	Spud R1946 + TRJ650	75	Without	Without
560 mm	395/90 R 560 TR TL*	X FORCE 2™ 160J (154K)	in preparation	240TR	None	None	None	None	None	None	None	None
560 mm	395/90 R 560 TR TL	XZL™ 154/150K	982123	240TR	None	None	None	None	None	None	None	None
		X® FORCE ML™ 158G	629878	240TR	None	None	None	None	None	None	None	None
685 mm	415/80 R 685 TR TL*	X® FORCE ZL™ 164J	703559	230 - 685 TR	None	None	None	None	None	None	None	None
685 mm	415/80 R 685 TR TL*	X® FORCE 2™ 164J	733132	230 - 685 TR	None	None	None	None	None	None	None	None
685 mm	415/80 R 685 TR TL	XML™ 160 K	355963	230 - 685 TR	None	None	None	None	None	None	None	None

(1) COMPULSORY to check for each reference of tube if its valve (type & offset) matches with the valve hole of the rim (hole or slot ?, centred or not ?...) and the valve hole of the flap (if there is a flap).

