

OPERATIONAL INFORMATION



SELECT A TIRE, USE AND OPERATION

Tire selection must comply with regulations and the equipment recommended by the manufacturers of the vehicle and equipment, or an official organisation (size, load index and speed rating, structure – radial/bias, etc.). Consideration must be given to the conditions under which the tire is to be used so that its performance meets users' requirements.

When changing a vehicle's original equipment, make sure the planned solution meets current regulations, check the vehicle's constraints and the manufacturer's recommendations (refer to local legislation). In some countries, a vehicle modified in this way must receive authorization from the relevant authorities. MICHELIN tires are designed for a specific use. Any other use constitutes abnormal use. However in some cases, Michelin can authorize a waiver which will specify the accepted usage limits and conditions under the waiver. Michelin will not be held liable for abnormal use of its tires or use in the absence of any express, written waiver.

Prior to being fitted, all used or worn tires or tires involved in an accident must be thoroughly inspected by a professional to guarantee user safety and compliance with current regulations. Incorrect use or choice of tire may also contribute to some mechanical parts experiencing premature wear.

EQUIVALENCE CHART

Diameter	Up to medium powered tractors					HP tractors Harvester machines HIGH VOLUME / IND.		Sprayers	
Rim	STANDARD WIDTH AGRIBIB, AGRIBIB 2		70 series OMNIBIB	65 series MULTIBIB	60 series XEOBIB	AXIOBIB, AXIOBIB 2, MACHBIB, CEREXBIB CEREXBIB 2, MEGAXBIB, MEGAXBIB 2		ROW CROP AGRIBIB ROW CROP, YELDBIB, SPRAYBIB	
inches	inches	mm	mm	mm	mm	mm	mm	inches	mm
20	12.4 R20	320/85 R20	360/70 R20	420/65 R20					
24	9.5 R24	250/85 R24	300/70 R24						
20	13.6 R20	380/75 R20	380/70 R20	440/65 R20					
24	11.2 R24	280/85 R24	320/70 R24						
24	12.4 R24	320/85 R24	360/70 R24	420/65 R24					
28	9.5 R28	250/85 R28	340/65 R28						
24	13.6 R24	340/85 R24	380/70 R24	440/65 R24		400/70 R24		8.3 R32	210/95 R32
28	11.2 R28	280/85 R28	320/70 R28						
24	14.9 R24	380/85 R24	420/70 R24	480/65 R24		460/70 R24			
26	13.6 R26							9.5 R32	230/95 R32
28	12.4 R28	320/85 R28	360/70 R28	420/65 R28					
24	16.9 R24	420/85 R24	480/70 R24	540/65 R24					
26	14.9 R26							11.2 R32	270/95 R32
28	13.6 R28	340/85 R28	380/70 R28	440/65 R28	480/60 R28			8.3 R36	210/95 R36
24	18.4 R24					500/70 R24			
26	16.9 R26		480/70 R26	540/65 R26				12.4 R32	320/85 R32
28	14.9 R28	420/75 R28	420/70 R28	480/65 R28	520/60 R28			9.5 R36	230/95 R36
26	18.4 R26	380/85 R28	420/70 R28	480/65 R28	520/60 R28				
28	16.9 R28	420/85 R28	480/70 R28	540/65 R28	600/60 R28	580/70 R26	750/50 R26		320/90 R32
30	14.9 R30	380/85 R30	420/70 R30					11.2 R36	320/85 R34
26								9.5 R38	270/95 R36
28									230/95 R38
30									
26							520/80 R26	12.4 R36	320/85 R36
28	18.4 R28	540/75R28					600/65 R28	11.2 R38	270/95 R38
30		480/75 R30						9.5 R40	230/95 R38
30	16.9 R30	420/85 R30	480/70 R30	540/65 R30	600/60 R30		710/55 R30		
26							620/70 R26		
28							600/70 R28		
30	18.4 R30	420/90 R30	520/70 R30	600/65 R30				13.6 R36	340/85 R36
34	14.9 R34	380/85 R34						8.3 R44	320/85 R38
38	12.4 R38	320/85 R38							420/90 R30
26	23.1 R26					620/75 R26	750/65 R26		210/95 R44
28	28L R26					650/70 R26			380/85 R34
30							620/70 R28		
32					710/60 R30		600/70 R30	11.2 R42	420/85 R34
34	16.9 R34	420/85 R34	480/70 R34	540/65 R34	600/60 R34		600/65 R32	9.5 R44	270/95 R42
38	13.6 R38	340/85 R38						13.6R38	230/95 R44
38	15.5 R38	380/80 R38							380/80R38
25		400/75 R38							
30	23.1 R30						1000/50 R25		
34	18.4 R34	460/85 R34	520/70 R34	600/65 R34		520/85 R30	650/70 R30	11.2 R44	380/95 R38
38	14.9 R38	520/75 R34				620/70 R30	710/65 R30	9.5 R48	320/90 R42
30	16.9 R38	540/75 R34				600/70 R34	650/60 R34		270/95 R44
38		380/85 R38					710/55 R34		270/90 R46
30		420/85 R38	480/70 R38	540/65 R38	600/60 R38				230/95 R48
32	24.5 R32						650/75 R30		
34	20.8 R34						680/70 R32	12.4 R46	270/95 R46
38	23.1 R34						800/60 R32	13.6 R46	320/90 R46
38	18.4 R38	460/85 R38	520/70 R38	600/65 R38	650/60 R38	620/75 R34	650/65 R34	11.2 R48	340/85 R46
32	30.5L R32						710/60 R34		270/95 R48
34									270/85 R50
38	20.8 R38	520/85 R38	580/70 R38	650/65 R38	710/60 R38	620/70 R38	650/65 R38		
42	18.4 R42	460/85 R42		600/65 R42			710/60 R38		
32		480/80 R42							
34							680/85 R32		
38							800/70 R32		
42	20.8 R42	520/85 R42	580/70 R42	650/65 R42	710/60 R42		900/60 R32	12.4 R 52	380/90 R50
46	18.4 R46	460/85 R46					1050/50 R32	11.2 R54	300/95 R52
38		480/80 R46					750/65 R34		270/95 R54
42							680/70 R34		320/90 R54
46							650/65 R38		480/80 R46
38							710/60 R38		
42									
46	20.8 R46	520/85 R46		650/65 R46					
38							800/70 R38		
42		580/85 R42					900/60 R38		
46							800/65 R42		
38							580/85 R42		
42							620/70 R46		
46									
38							710/85 R38		
42							710/75 R42		
46							900/60 R42		
46							900/65 R46		

ROLLING CIRCUMFERENCE INDEX CHART

Rim	Tire Size	MSPN	SRI	OD	Weight (lbs.)	RCI
AGRIBIB (see pages 2-11)						
24	9.5 R24	07126	500	41	69	35
24	11.2 R24	92311	525	43	88	36
24	12.4 R24	78449	550	45	111	37
24	13.6 R24	06947	575	47	134	38
24	14.9 R24	92158	600	50	159	39
24	16.9 R24	97341	625	52	204	–
28	12.4 R28	20895	600	50	130	–
28	13.6 R28	87976	625	51	150	39
28	14.9 R28	25543	650	54	182	40
28	16.9 R28	13991	675	56	226	41
30	380/85 R30	18784	675	56	179	41
30	16.9 R30	41545	700	58	218	42
30	420/90 R30	68713	700	60	243	42
30	18.4 R30	42060	725	61	255	–
34	320/85 R34	73532	675	56	157	41
34	380/85 R34	59412	725	59	192	42
34	420/85 R34	30127	750	63	239	43
34	18.4 R34	71754	775	65	279	44
36	12.4 R36	03338	700	57	136	41
38	12.4 R38	15336	725	59	140	42
38	13.6 R38	66666	750	61	187	43
38	380/80 R38	36989	750	185.4	207	43
38	380/95 R38	65207	800	66	246	–
38	420/85 R38	84239	800	66	264	44
38	18.4 R38	63603	825	69	309	45
38	20.8 R38	17548	875	73	390	46
38	520/85 R38	43308	875	73	406	46
42	480/80 R42	03395	875	73	380	46
42	520/85 R42	63687	925	76	446	47
46	420/80 R46	58733	925	73	320	46
46	480/80 R46	94069	925	76	404	47
46	520/85 R46	57479	975	80	475	48
50	480/80 R50	94576	975	81	444	48
50	480/95 R50	54736	1075	85	518	–
AGRIBIB 2 (see pages 12-16)						
28	280/85 R28	40217	575	47	101	–
30	380/85R30	72163	675	56	176	41
30	420/90 R30	71308	700	60	232	42
34	320/85R34	32034	675	56	154	41
34	380/85R34	84143	725	59	198	42
34	420/85R34	16801	750	62	232	43
38	380/80R38	59112	750	63	201	43
38	420/85 R38	11069	–	–	254	44
38	520/85R38	05183	875	73	397	46
42	480/80 R42	05745	875	72	331	46
42	520/85R42	13435	925	77	412	47

Rim	Tire Size	MSPN	SRI	OD	Weight (lbs.)	RCI
AGRIBIB 2 continued (see pages 12-16)						
46	420/80 R46	13581	925	73	287	46
46	480/80R46	00639	925	76	353	47
46	520/85R46	17697	975	81	419	48
50	480/80R50	41183	975	80	406	48
54	380/90R54	28485	1025	81	295	48
AGRIBIB Row Crop (see pages 79-81)						
38	320/85 R38	50528	725	59	181	42
42	320/90 R42	64720	800	64	209	44
46	340/85 R46	94547	825	69	225	45
46	380/90 R46	38865	925	73	304	46
50	320/90 R50	95098	925	72	248	46
50	380/90 R50	15852	975	76	319	47
54	320/90 R54	96185	975	76	261	47
AXIOBIB (see pages 26-30)						
30	IF 600/70 R30	96393	750	62	426	43
30	IF 620/75 R30	96772	800	65	470	44
30	IF 650/75 R30	96826	825	67	516	45
34	IF 650/60 R34	94599	775	65	474	–
34	IF 710/60 R34	67777	825	67	549	–
34	IF 650/65 R34	26241	825	67	516	–
38	IF 650/65 R38	87017	875	72	551	–
38	IF 650/85 R38	97250	975	80	777	48
38	IF 710/60 R38	69189	875	72	617	46
38	IF 800/70 R38	99142	975	81	862	48
38	IF 710/85 R38	99013	1025	85	849	49
42	IF 710/70 R42	99783	975	81	761	48
42	IF 710/75 R42	25479	1025	85	818	49
42	IF 900/60 R42	82481	1025	83	1017	49
46	IF 750/75 R46	07217	1125	90	860	50
46	IF 900/65 R46	36973	1125	91	1147	50
AXIOBIB 2 (see pages 31-35)						
30	VF 540/65 R30	06869	700	57	320	–
30	VF 600/60 R30	06116	700	58	370	42
30	VF 600/70 R30	32376	750	62	441	–
30	VF 620/75 R30	20861	800	65	470	44
34	VF 650/60 R34	202185 (CAI)	775	–	–	–
34	VF 650/65 R34	79000	825	–	531	–
38	VF 650/60 R38	908973 (CAI)	825	–	–	45
38	VF 650/85 R38	18612	975	–	791	–
38	VF 800/70 R38	86394	975	–	877	–
42	VF 650/65 R42	43835	925	75	540	47
42	VF 650/85 R42	06000	1025	85	860	49
42	VF 710/60 R42	78256	925	74	692	47
42	VF 710/70 R42	01871	–	–	–	–
42	VF 710/75 R42	259635 (CAI)	1025	–	–	49
44	VF 750/70 R44	85966	1025	–	915	–

ROLLING CIRCUMFERENCE INDEX CHART

Rim	Tire Size	MSPN	SRI	OD	Weight (lbs.)	RCI
CARGOXBIB (see pages 87-89)						
22.5	600/50 R22.5	94336	550	–	265	–
26.5	800/45 R26.5	81371	675	55	401	–
30.5	600/60 R30.5	51915	700	59	386	–
30.5	710/50 R30.5	92209	700	59	437	–
30.5	800/45 R30.5	53255	725	59	454	–
30.5	850/50 R30.5	69986	775	64	538	–
CARGOXBIB 2 (see page 89)						
22.5	600/50 R22.5	88721	–	–	265	–
CARGOXBIB Heavy Duty (see pages 85-86)						
22.5	500/60 R22.5	36343	5500	46	223	–
22.5	560/45 R22.5	27334	525	42	221	–
22.5	560/60 R22.5	20379	600	49	247	–
CARGOXBIB High Flotation (see pages 82-84)						
22.5	710/45 R22.5	06153	575	47	293	–
26	28L R26	00986	0	62	512	43
26.5	VF 600/55 R26.5	28332	625	–	326	–
26.5	VF 650/55 R26.5	33527	725	–	357	–
26.5	710/50 R26.5	20991	650	–	375	–
30.5	650/65 R30.5	28171	775	64	463	–
30.5	750/60 R30.5	08620	800	–	529	–
32	800/60 R32	50441	875	71	617	–
CEREXBIB (see pages 61-65)						
26	VF 520/80 R26 CFO	61911	700	58	328	–
26	VF 620/70 R26	64298	725	59	390	42
26	VF 750/65 R26 VF CFO	02320	750	64	526	–
30	VF 520/80 R30	66188	775	64	294	46
30	VF 620/70 R30	92780	775	63	423	–
32	IF 680/85 R32 CFO	18128	925	76	665	47
32	IF 800/65 R32 CFO	39571	875	73	749	46
32	IF 800/70 R32 CFO	18258	925	–	816	–
32	IF 900/60 R32	03456	925	75	805	–
32	IF 1000/55 R32 CFO	22858	925	76	981	–
38	IF 680/75 R38	02720	975	77	639	–
38	IF 800/70 R38 CFO	24897	975	80	851	48
38	IF 900/60 R38 CFO	03936	975	80	937	48
42	VF 520/85 R42 CFO	78620	925	77	578	47
42	IF 710/70 R42 CFO	61530	975	82	798	48
CEREXBIB 2 (see pages 56-60)						
26	VF 520/80 R26 CFO+	24394	700	58	328	–
26	VF 620/70 R26 CFO+	98039	725	59	390	42
26	VF 750/65 R26 CFO+	33777	750	64	523	–
30	VF 520/85 R30 CFO+	86907	775	64	395	46
30	VF 620/70 R30 CFO+	53106	775	63	423	–
30	VF 710/65 R30 CFO+	22560	800	66	485	–
32	IF 800/65 R32 CFO+	25367	875	73	740	46
32	IF 800/70 R32 CFO+	71535	925	76	772	–
32	VF 900/60 R32 CFO+	73624	925	75	805	–

Rim	Tire Size	MSPN	SRI	OD	Weight (lbs.)	RCI
CEREXBIB 2 continued (see pages 56-60)						
34	VF 500/85 R34 CFO+	29877	825	66	–	–
38	IF 680/80 R38 CFO+	20691	975	79	730	–
38	IF 800/70 R38 CFO+	25474	975	80	847	48
38	VF900/60 R38 CFO+	31193	975	80	948	–
42	VF 520/85 R42 CFO+	15337	925	77	578	47
42	VF 580/85 R42 CFO+	45547	975	80	617	–
42	VF 710/70 R42 CFO+	60118	975	82	798	–
42	IF 800/70 R42 CFO+	91180	1025	84	–	–
42	VF 900/60 R42 CFO+	03717	1025	83	970	–
EVOBIB (see pages 54-55)						
30	VF 600/70 R30	84559	750	62	419	–
34	VF 650/65 R34	73467	825	67	–	–
42	VF 710/70 R42	21253	975	80	772	–
42	VF 710/75 R42	78454	1025	84	–	49
FLOATXBIB (see pages 66-67)						
32	IF 1000/55R32	21874	925	74	977	–
MACHXBIB (see pages 21-25)						
26	620/70 R26	53054	–	59	–	–
28	600/65 R28	30734	700	59	356	42
28	600/70 R28	04339	725	62	395	–
30	600/70 R30	76077	750	63	415	43
30	710/55 R30	03784	725	60	433	–
32	680/75 R32 (XM28)	80305	875	73	605	46
38	650/75 R38	86829	925	76	659	47
38	650/85 R38	89462	975	81	720	48
38	710/70 R38	30751	925	77	648	47
38	800/70 R38	29390	975	81	807	48
42	710/70 R42	31962	975	82	741	48
42	900/50 R42	03779	975	77	792	47
46	620/70 R46 (XM28)	69879	975	81	637	48
MEGAXBIB (see pages 71-75)						
26	620/75 R26	89936	750	63	415	43
26	750/65 R26	36798	750	64	527	–
30	620/75 R30 (XM27)	63928	800	67	454	44
32	650/75 R32 (XM28)	46686	875	72	538	45
32	800/65 R32 (XM28)	49342	875	72	697	46
32	800/70 R32	68880	925	76	809	–
32	900/60 R32	40581	925	74	847	46
32	1050/50 R32 M28	94737	875	75	993	46
34	620/75 R34	83734	825	71	500	–
34	710/75 R34	13589	925	75	655	47
38	620/70 R38	99512	875	73	562	46
42	520/85 R42	15488	925	76	512	47
42	620/70 R42	15145	925	77	512	47

ROLLING CIRCUMFERENCE INDEX CHART

Rim	Tire Size	MSPN	SRI	OD	Weight (lbs.)	RCI
MEGAXBIB 2 (see pages 68-70)						
25	1000/50 R25	76362	750	65	765	–
26	750/50 R26	81321	675	55	408	41
32	650/75 R32	38157	875	72	538	45
32	800/65 R32	87958	875	–	697	46
32	900/60 R32	04361	925	–	847	46
32	1050/50 R32	12011	875	73	847	46
MULTIBIB (see pages 36-42)						
16	320/65 R16	39517	390	32	65	–
18	320/65 R18	78520	410	34	–	–
18	340/65 R18	79647	425	36	–	32
20	420/65 R20	86582	500	42	–	35
20	440/65 R20	15810	525	43	142	–
24	420/65 R24 (XM108)	77842	550	45	128	37
24	440/65 R24	04039	575	47	163	–
24	480/65 R24	03176	600	49	179	38
24	540/65 R24	08801	625	51	232	–
28	420/65 R28	62700	600	49	–	–
28	440/65 R28	96372	625	51	182	39
28	480/65 R28	14369	650	53	198	–
28	540/65 R28	36062	675	56	252	41
30	540/65 R30	28553	700	58	285	–
34	540/65 R34	22243	750	62	278	43
34	540/65 R34	99445	750	62	278	43
34	600/65 R34	16291	775	65	374	44
38	540/65 R38	28857	800	66	322	44
38	600/65 R38	29767	825	69	410	45
38	650/65 R38	12871	875	71	456	46
42	650/65 R42	38881	925	76	507	47
OMNIBIB (see pages 43-47)						
24	320/70 R24	25416	525	43	105	–
24	360/70 R24	45416	500	45	125	37
24	380/70 R24	64778	575	47	141	38
24	420/70 R24	28067	600	49	168	39
24	480/70 R24	02475	625	52	205	–
28	380/70 R28	24723	625	51	159	39
28	420/70 R28	25705	650	53	187	40
28	480/70 R28	27084	675	56	243	41
30	480/70 R30	27236	700	58	243	42
34	480/70 R34	25021	625	52	270	43
34	520/70 R34	29601	775	65	325	44
38	480/70 R38	28503	800	66	302	44
38	520/70 R38	28089	825	69	368	45
38	580/70 R38	31198	875	72	439	46
42	620/70 R42	31015	925	77	513	47

Rim	Tire Size	MSPN	SRI	OD	Weight (lbs.)	RCI
ROADBIB (see pages 52-53)						
30	600/70 R30	15131	750	62	441	43
42	710/70 R42	27650	975	79	772	48
SPRAYBIB (see pages 76-78)						
42	VF 320/90 R42	44635	800	–	220	44
42	VF 480/80 R42	13814	875	72	381	46
46	VF 380/90 R46	27358	925	72	333	46
46	VF 480/80 R46	21151	925	76	404	47
50	VF 380/90 R50	28608	975	77	353	47
50	VF 420/95 R50	82545	1025	80	418	48
50	VF 480/80 R50	50045	975	80	429	48
54	VF 380/90 R54	47923	1025	80	408	48
XEOBIB (see pages 48-51)						
28	VF480/60 R28	80140	625	51	206	39
28	VF520/60 R28	80236	650	52	236	40
28	VF600/60 R28	80297	675	56	295	41
30	VF 600/60 R30	03690	700	59	310	42
34	VF 600/60 R34	78329	750	63	349	43
38	VF600/60 R38	80626	800	67	386	44
38	VF650/60 R38	80851	825	–	460	45
38	VF 710/60 R38	81759	875	71	542	46
42	VF 710/60 R42	94391	925	75	588	47
XP27 (see pages 90-91)						
16	270/65 R16	04629	360	30	49	–
18	270/65 R18	98595	390	32	56	–
18	340/65 R18	08185	425	35	78	–
YIELDBIB (see pages 17-20)						
34	VF 380/85 R34	91239	725	59	232	42
34	VF 420/85 R34	58965	750	62	277	43
38	VF 380/80 R38	35470	750	62	250	43
38	VF 380/95 R38	47253	800	67	282	44
46	VF 480/80 R46	10807	925	76	415	47
50	VF 480/80 R50	02098	975	80	448	48
50	VF 480/95 R50	65206	1075	86	518	49

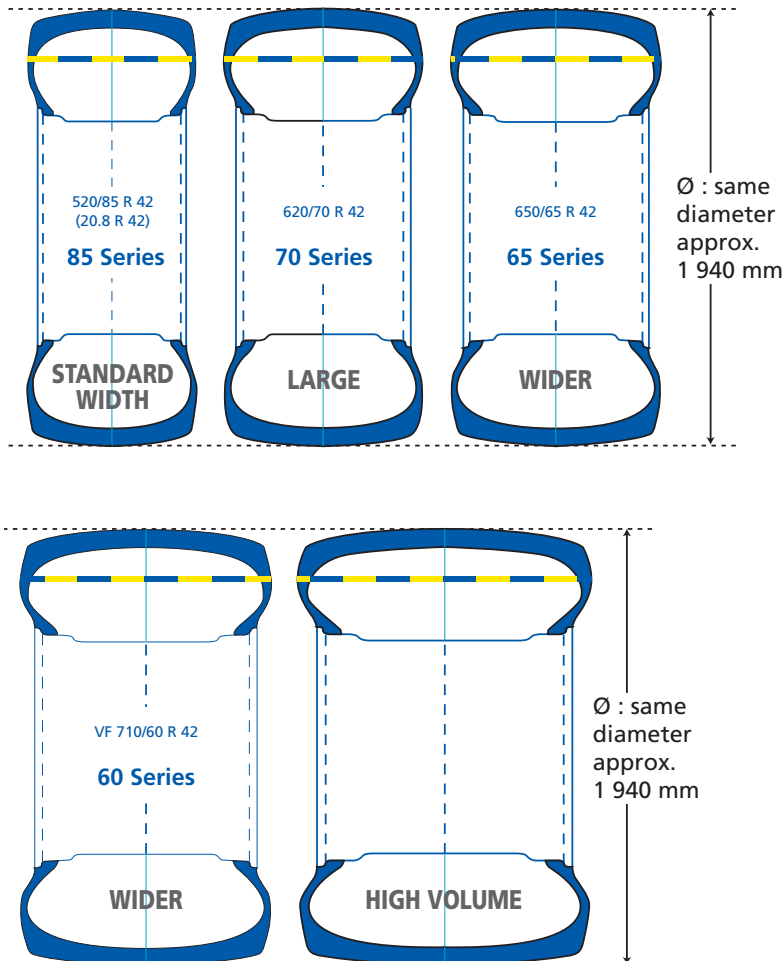
TIRE SIDEWALL MARKINGS

WHAT DO THE MARKINGS ON A TIRE MEAN?



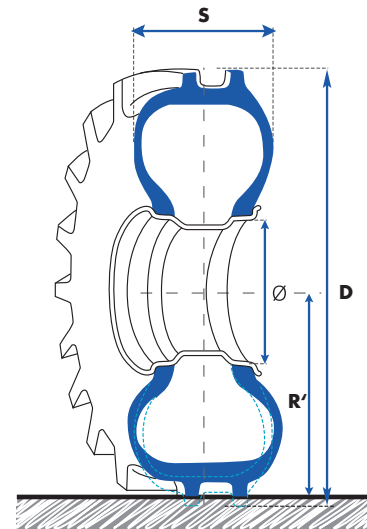
XeoBib	Range
VF = Very High Flexion	Prefix designating a standardized category of tires
650	Nominal section width of the tire in mm
60	Aspect ratio (ratio between sidewall height/nominal tire section) as a %
R	Construction: "R" for radial "-" for bias
38	Nominal rim diameter in inches
155	Standardized load index (see page 9)
D	Standardized speed index (see page 9)
Radial	Type of tire construction (casing)
Tubeless	A tire can be fitted without a tube
Michelin® X®	Registered Trademark

TIRE RANGE DIAGRAM



TIRE DIMENSIONS

- S Tire section width
- R' Radius with static load
- R Free radius
- D Overall diameter = 2 x free radius



LOAD INDICES AND SPEED RATINGS

All tires carry a service description made up of the load index (a number) and the speed symbol (letter or letter with figure). The tables below show the tire load indices and speed symbols with their corresponding capacities.

LOAD INDICES

Load			Load			Load			Load		
Index	kg	lbs	Index	kg	lbs	Index	kg	lbs	Index	kg	lbs
100	800	1764	126	1700	3748	152	3550	7826	178	7500	16535
101	825	1819	127	1750	3858	153	3650	8047	179	7750	17086
102	850	1874	128	1800	3968	154	3750	8267	180	8000	17637
103	875	1929	129	1850	4079	155	3875	8543	181	8250	18188
104	900	1984	130	1900	4189	156	4000	8818	182	8500	18739
105	925	2039	131	1950	4299	157	4125	9094	183	8750	19290
106	950	2094	132	2000	4409	158	4250	9370	184	9000	19842
107	975	2150	133	2060	4542	159	4375	9645	185	9250	20393
108	1000	2205	134	2120	4674	160	4500	9921	186	9500	20944
109	1030	2271	135	2180	4806	161	4625	10196	187	9750	21495
110	1060	2337	136	2240	4938	162	4750	10472	188	10000	22046
111	1090	2403	137	2300	5071	163	4875	10748	189	10300	22708
112	1120	2469	138	2360	5203	164	5000	11023	190	10600	23369
113	1150	2535	139	2430	5357	165	5150	11354	191	10900	24030
114	1180	2601	140	2500	5512	166	5300	11685	192	11200	24692
115	1215	2679	141	2575	5677	167	5450	12015	193	11500	25353
116	1250	2756	142	2650	5842	168	5600	12346	194	11800	26015
117	1285	2833	143	2725	6008	169	5800	12787	195	12150	26786
118	1320	2910	144	2800	6173	170	6000	13228	196	12500	27558
119	1360	2998	145	2900	6393	171	6150	13558	197	12850	28329
120	1400	3086	146	3000	6614	172	6300	13889	198	13200	29101
121	1450	3197	147	3075	6779	173	6500	14330	199	13600	29983
122	1500	3307	148	3150	6945	174	6700	14771	200	14000	30865
123	1550	3417	149	3250	7165	175	6900	15212	201	14500	31967
124	1600	3527	150	3350	7385	176	7100	15653	202	15000	33069
125	1650	3638	151	3450	7606	177	7300	16094	203	16000	35274

SPEED RATINGS

Code	Speed in km/h	Speed in mph
A2	10	6
A5	25	15
A6	30	19
A8	40	25
B	50	30
D	65	40
E	70	44
F	80	50
G	90	56
J	100	62

UNIT OF MEASUREMENT

Measurement	Name	Equivalent	Measurement	Name	Equivalent
1 centimeter	cm	= 0.3937 inch	1 inch	in	= 2.54 cm
1 meter	m	= 3.281 feet	1 foot	ft	= 0.3048 m
1 kilometer	km	= 0.6214 mile	1 mile	mi	= 1.6093 km
1 liter	l	= 0.2199754 imp gallon	1 imp. gallon	imp. gal.	= 4.545963 liters
1 kilogram	kg	= 2.204622 pounds	1 pound	lb	= 0.4535924 kg
1 horse power	hp	= 735.499 W	1 kilowatt	kw	= 1.3596216173 hp
1 bar	bar	= 14.5037738 psi	1 bar	bar	= 100 kPa (kilo Pascal)
1 pound per square inch	psi	= 6.89476 kPa	1 Acre imp.		= 0.4046842 ha
1 hectare	ha	= 2.4711 acre imp.	1 square inch (imp.)	sq in	= 6.451578 cm ²
1 square centimeter	cm ²	= 0.1550 sq.in (imp.)	1 ton	t	= 0.9842064 tn (imp)
1 ton (imp)	tn	= 1.016047	1 kilometer/hour	km/h	= 0.62137 mph
1 mile per hour	mph	= 1.609344 km/h			

OPERATING INSTRUCTIONS

TO DETERMINE THE TIRE PRESSURE

- Tire pressure is always determined in relation to load per tire, speed and work to be carried out.
- The load used is the highest:
 - For tractors:
 - › front axle: tractor with its weights / front equipment in the transport position and no rear axle load
 - › rear axle: tractor with equipment in the transport position.
 - Note:** for a tractor equipped with a front loader, assume max. load on the loader.
 - For harvesters: full load (full hopper) with cutting bar (or picker). **Note** – for harvesters, determine the axle load:
 - › front axle with fully loaded bin and head attached, use cyclic loading speed schedule and pressure.
 - › front axle with folding head, empty bin using road speed schedule and pressure.
 - › rear axle without the cutter bar or picker
- Determine the pressure for «field use» and «road use» and select the higher of the two.
- For intensive road use or on slopes and inclines, follow the instructions given in “Technical specifications of MICHELIN tires”.

WHEN IN USE

- Spread loads correctly.
- Adapt your driving to the conditions (load, speed, slope, incline, condition of road or other terrain).

MAINTENANCE GUIDELINES

- Check tire pressure regularly.
- Periodically check the condition of your tires and have them checked by a trained and qualified professional

Reminder:

- Damage caused by a puncture or an impact may only become apparent after some time
 - Tires age even when not in use
- Have any repairs carried out by a trained and qualified professional.

CALCULATION OF MECHANICAL LEAD

4-WHEEL DRIVE / MECHANICAL LEAD

For a 4-wheel drive tractor's transmission unit to operate correctly, the correct mechanical lead must be used. This rule does not apply in the case of 4 wheels of the same size.

Most tractor manufacturers impose a mechanical lead of between 0% and 6%. This lead is specific, and may vary depending on the manufacturer and the vehicle.

An inappropriate mechanical lead ratio:

- increases fuel consumption,
- results in more rapid front and rear tire wear,
- results in more rapid wear on the transmission unit,
- results in poor tractor performance when doing some jobs (e.g. ploughing)

and causes:

- abrupt front axle engagement,
- a loss in power and performance,
- deterioration of the top soil.

Note: The front axle must never be engaged on the road!



CALCULATION OF MECHANICAL LEAD

$$\frac{(\text{RC Front} \times \text{R}) - \text{RC Rear}}{\text{RC Rear}} \times 100 = \text{mechanical lead in \%}$$

RC Rear: Rear tire rolling circumference (specified in the technical documentation)

RC Front: Front tire rolling circumference (specified in the technical documentation)

R: inter-axle ratio (This is fixed initially by the manufacturer)

Step 1:

Put marks on the tires as picture above.

Step 2:

FRONT AXLE NOT ENGAGED (out of 4WD)

Do 10 turns of rear tires and count the number **N** of turns for front.

Step 3:

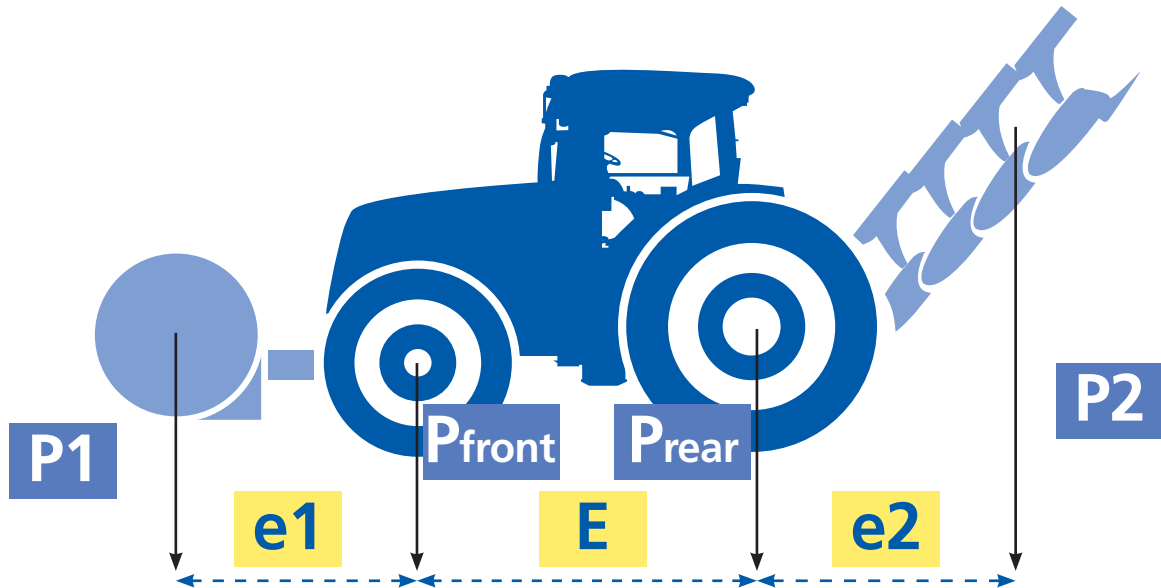
FRONT AXLE ENGAGED (in 4WD)

Do 10 turns of rear tires and count the number **N1** of turns for front.

$$\text{Calculation of measurement} = \frac{(N1 - N)}{N} \times 100$$

LOAD-BALANCING CALCULATION

SINGLE FITMENT



	Front axle	Rear axle
Tractor (lbs)	P front	P rear
Equipment or mass (lbs)	P 1	P 2
Carry forward equipment or mass (lbs)	$P 1 \times (e1/E)$	$P 2 \times (e2/E)$
Total load per axle (lbs)	$P \text{ front} + P 1 + [P 1 \times (e1/E)]$	$P \text{ rear} + P 2 + [P 2 \times (e2/E)]$
Number of tires	N front	N rear
Load per tire (lbs)	Total front load / N front	Total rear load / N rear

Example :

Information required	Front	Rear
Tractor (lbs)	6,600	11,000
Equipment or mass (lbs)	2,200	4,400
Distance (feet)	$E = 118 \text{ in} - e1 = 59 \text{ in} - e2 = 98 \text{ in}$	

Calculate	Front axle	Rear axle
Tractor (lbs)	6,600	11,000
Equipment or mass (lbs)	2,200	4,400
Carry forward equipment or mass (lbs)	$2,200 \times (59/118) = 1,100$	$4,400 \times (98/118) = 3,654$
Total load per axle (lbs)	$6,600 + 2,200 + 1,100 = \mathbf{9,900}$	$11,000 + 4,400 + 3,654 = \mathbf{19,054}$
Number of tires	2	2
Load per tire (lbs)	$9,900 / 2 = \mathbf{4,950}$	$19,054 / 2 = \mathbf{9,527}$

For dual or triple assembly, see following page.

LOAD-BALANCING CALCULATION

DUAL OR TRIPLE FITMENT

- 1 - Divide the axle load by 4 if dual (or by 6 if triple)
- 2 - Then divide the result by 0.88 if dual (or by 0.82 if triple)

* For load calculation, see previous page.

EXAMPLE OF A CALCULATION FOR A DUAL FITTING

- Tractor with 650/85R38 MICHELIN MACHXBIB 173A8/173B TL
- Established axle load = 30,800 lbs
- Use = stubble plowing

a) If the Dual line at the desired speed is in the load/pressure table:

- divide the total load by 4 (4 tires)
- use the Dual line to determine pressure

b) If the Dual line at the desired speed is not in the load/pressure table:

- divide the total load by 4
- divide the result by 0.88
- use the desired speed line on the load/pressure table

Example for a total load of 30,800 lbs on a dual fitted rear axle:

$$[30,800 / 4] / 0.88 = 8,750 \text{ lbs}$$




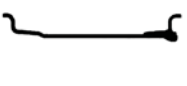
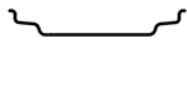
i.e. recommended pressure of 12 psi for a speed of 25 mph

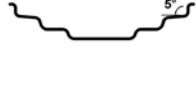
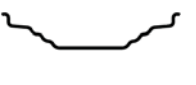

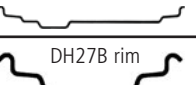
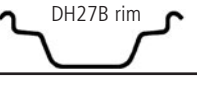
Note: for triple fitting, divide the load by 6, then divide by 0.82 to obtain the load in question.

SOME EXAMPLES OF LOADS LBS PER CUBIC FOOT

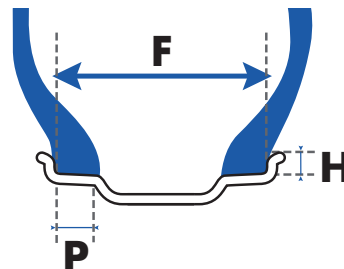
Material	Approximate Load in lbs
Straw	6 to 9
Hay	9 to 12
Cereals (wheat, corn, soybeans)	38 to 50
Beets	56
Potatoes	37
Liquid fertilizer	81 to 100
Manure	56
Topsoil	75 to 94
Dry sand	94
Wet sand	120

RIM AND O-RING REFERENCES

Type of rim	Dimensions	F mm	H mm	P mm
Drop center rim standard 5° 	2.50 C	63.5	16.5	18
	3.00 D	76	18	
	3.50 D	89	18	
	4.00 E	101.5	20	
	4.50 E	114.5	20	
	5.00 E	127	20	
	5.375 I	136.5	16	
	5.50 F	140	22.5	
	6.00 F	152.5	22.5	
	6.50 F	165	22.5	
Drop center rim 2 5° drop centers 	9	228.5	25.5	27
	11	279.5		31.5
	12	305		31.5
	13	330		31.5
	14	355.5		31.5
	16	406.4		31.5
Drop center rim 2 15° drop centers 	10.50	266.7	12.7	44
	11.75	298.5		
	12.25	311		
	13.00	330		
	14.00	355.5		
	15.00	381		
	16.00	406.5		
	AG 16.00	406.5		
	17.00	432		
	18.00	457		
	20.00	508		
	AG 20.00	508		
	AG 24.00	609.5		
AG 28.00	711			
SDC rim 	11	279.5	25.5	33
	12	305		
	13	330		
	36.0 TH	914.4		
	36.00 VA	914.4		
W rim 	W 6	152.4	22.2	23.8
	W 7	177.8		
	W 8	203.2		
	W 8L	203.2		
	W 9	228.6		
	W 10	254		
	W 10L	254		
	W 11	279.4		
	W 12	304.8		
	W 13	330.2		
	W 14L	355.6		
	W 15L	381		
	W 16L	406.4		
	W 18L	457.2		

Type of rim	Dimensions	F mm	H mm	P mm
DW rim  <small>DW-8 rims replace the DW-A rims they are identical and fully interchangeable</small>	DW 10	254	25.4	27
	DW 11	279.4		
	DW 12	304.8		
	DW 13	330.2		
	DW 14L	355.6		
	DW 15L	381		
	DW 16L	406.4		
	DW 10	431.8		
	DW 18L	457.2		
	DW 20B	508		
	DW 21B	533.4		
	DW 23B	584.2		
	DW 24B	609.5		
	DW 25B	635		
	DW 27B	686		
	DW 28B	711		
	DW 30B	762		
	TW rim 	TW 13		
TW 14L		355.5		
TW 15L		381		
TW 16L		406.5		
TW 18L		457		
TW 20B		508		
TW 21B		533.5		
TW 23B		584		
TW 24B		609.5		
TW 25B		635		
TW 27B		686		
TW 28B		711		
TW 30B		762		
DD rim 	DD 15L	381	41	36.5
	DD 16L	406.5		
	DD 18L	457		
MW rim 	MW 20	508	29	50.8
	MW 23	584		
	MW 25	635		
DH27B rim 	DH 27B	686	29	54

When the DW is allowed, the TW rim is automatically allowed too (ERTO).



F = interior width
H = height of flange (+/- 1 mm)
P = width of seat

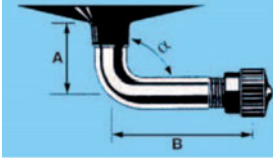
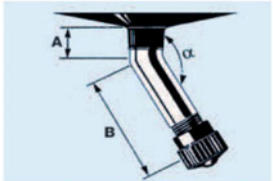
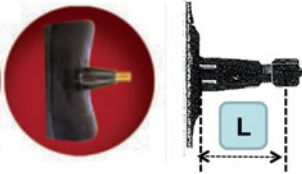
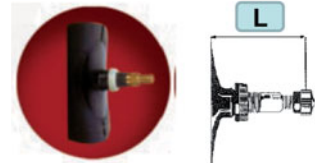
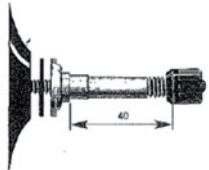
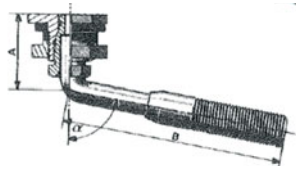
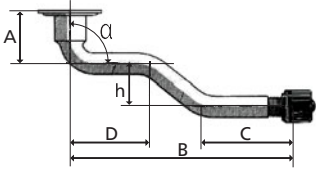
O-RINGS FOR SDC RIMS

Reference	Name	Comments	Serial No.
R 1681	O-ring OR 6.6 - 20	For 20" rim in 3 parts	553215
R 1438	O-ring OR 2 - 25	For 25" rim in 3 parts	553201
R 2052	O-ring OR 2 - 32	For 32" rim in 3 parts	553055

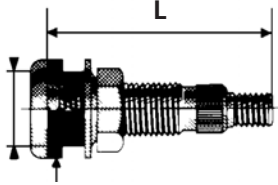
For O-rings, the name consists of:

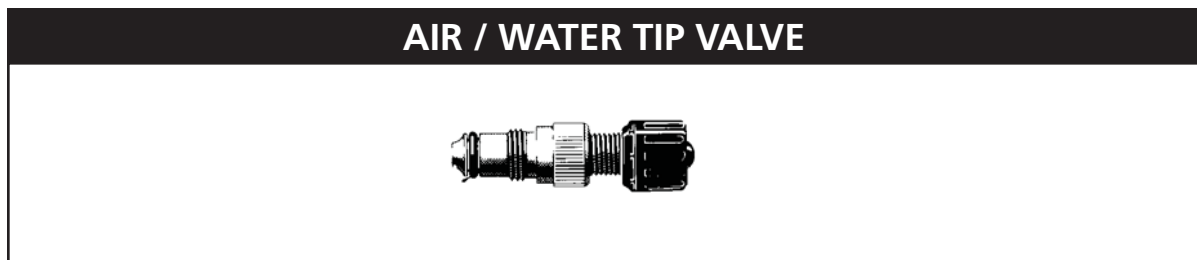
- OR for O-ring
- The first digit describes the section of the ring joint; it is a whole number expressed in eighths of an inch (e.g. 2 = 2/8").
- The second digit describes the diameter of the seat; it is a whole number expressed in inches.

VALVE CHARACTERISTICS

INNER TUBE VALVES		
Valve reference	Photo	Characteristics
10 SC29		A = 15 mm B = 29 mm $\alpha = 90^\circ$ \varnothing = valve hole = 10 mm
10 SCH40		A = 13 mm B = 27 mm $\alpha = 150^\circ$ \varnothing = valve hole = 10.2 mm
TR13 (ETRO = V2-01-1)		L = 35 mm \varnothing = valve hole = 11.5 mm
TR15 (ETRO = V2-01-2)		L = 35 mm \varnothing = valve hole = 16 mm
TR218A (ETRO = V7-01-1) Air / water valves		L = 47,5 mm \varnothing = valve hole = 15.7 mm
1964		L = 40 mm \varnothing = valve hole = 9.7 mm
1837 Correspondences: • TRA = TRJ650 • ETRO = V5-04-1		A = 27 mm B = 29 mm $\alpha = 80^\circ$ \varnothing = valve hole = 20.5 mm
582 (ETRTO = V3.06.5)		A = 20,5 mm / B = 131 mm C = 49 mm / D = 62,5 mm $\alpha = 90^\circ$ / h = 17 mm
1123 (ETRTO = V3.06.8)		A = 24,5 mm / B = 126,5 mm C = 50,5 mm / D = 61,5 mm $\alpha = 94^\circ$ / h = 17 mm

VALVE CHARACTERISTICS

TUBELESS VALVES		
Valve reference	Photo	Characteristics
TR618A (ETRO = V5-01-1) Air / water valve		L = 47.5 mm Ø = valve hole = 15.7 mm



TUBES

RIM	TIRE SIZE	VALVE CODE	MSPN
16	4.50-16	TR 13	14106
	5.50 - 16	TR 15	84201
	6.00 - 16	TR 15	84201
	6.00 - 16	TR 218A	43906
	6.50 - 16	TR 218A	43906
	7.50-16	TR 218A	36119
	10.00-16	TR 218A	78371
	10.50 - 16	TR218A	3551
	11.00-16	TR 218A	78371
	260/70 - 16	TR 218A	39701
	280/70 - 16	TR 218A	39701
	275/65 - 16	TR218A	3551
	320/65 - 16	TR218A	3551
	18	7.50 - 18	TR 218A
10.5/80 - 18		TR 218A	39082
12.0 - 18		TR 218A	11037
12.0 - 18		TR 15	73382
12.5 - 18		TR 218A	11037
280/80 - 18		TR 218A	39082
335/80 - 18		TR 218A	11037
340/80 - 18		TR 218A	11037
260/70 - 18		TR 218A	39082
280/70 - 18		TR 218A	39082
320/65 - 18		TR 15	73382
320/65 - 18		TR 218A	11037
335/65 - 18		TR 15	73382
340/65 - 18		TR 15	73382
340/65 - 18	TR 218A	11037	
20	7.50 - 20	TR 218A	23393
	9.5 - 20	TR 218A	32538
	14.9 - 20	TR 218A	88153
	340/75 - 20	TR 218A	88153
	375/75 - 20	TR 218A	88153
	380/75 - 20	TR 218A	88153
	260/70 - 20	TR 218A	32538
	280/70 - 20	TR 218A	32538
	360/70 - 20	TR 218A	88153
	400/70 - 20	TR 218A	88153
24	8.3 - 24	TR 218A	71115
	9.5 - 24	TR 218A	71115
	11.2 - 24	TR 218A	18915
	12.4 - 24	TR 218A	18915
	13.6 - 24	TR 218A	7878
	14.5 - 24	TR 218A	7878
	14.9 - 24	TR 218A	39226
	250/85 - 24	TR 218A	71115
	280/85 - 24	TR 218A	18915

RIM	TIRE SIZE	VALVE CODE	MSPN
24	320/85 - 24	TR 218A	18915
	340/85 - 24	TR 218A	7878
	380/85 - 24	TR 218A	39226
	440/80 - 24	TR 218A	23912
	320/70 - 24	TR 218A	18915
	360/70 - 24	TR 218A	18915
	380/70 - 24	TR 218A	7878
	400/70 - 24	TR 218A	39226
	420/70 - 24	TR 218A	N/A
	440/70 - 24	TR 218A	23912
	445/70 - 24	TR 218A	23912
	460/70 - 24	TR 218A	23912
	480/70 - 24	TR 218A	23912
	500/70 - 24	TR 218A	23912
	420/65 - 24	TR 218A	7878
	440/65 - 24	TR 218A	39226
	480/65 - 24	TR 218A	23912
	540/65 - 24	TR 218A	23912
26	18.4 - 26	TR218A	72202
	23.1 - 26	TR218A	15800
	480/80 - 26	TR218A	72202
	VF520/80 - 26	TR218A	72202
	620/75 - 26	TR218A	15800
	520/70 - 26	TR218A	72202
	580/70 - 26	TR218A	15800
	580/70 - 26	TR218A	72202
	620/70 - 26	TR218A	15800
	620/70 - 26	TR218A	40549
	VF620/70 - 26	TR218A	72202
	28	11.2 - 28	TR218A
12.4 - 28		TR218A	32751
13.6 - 28		TR218A	51574
14.9 - 28		TR218A	66800
16.9 - 28		TR218A	69205
19.5LR - 28		TR218A	69205
280/85 - 28		TR218A	18809
320/85 - 28		TR218A	32751
340/85 - 28		TR218A	51574
380/85 - 28		TR218A	66800
360/70 - 28		TR218A	32751
380/70 - 28		TR218A	51574
420/70 - 28		TR218A	66800
480/70 - 28		TR218A	69205
600/70 - 28		TR218A	40549
420/65 - 28		TR218A	51574
440/65 - 28		TR218A	66800

RIM	TIRE SIZE	VALVE CODE	MSPN
28	540/65 - 28	TR218A	69205
	600/65 - 28	TR218A	40549
	VF480/60 - 28	TR218A	66800
	VF520/60 - 28	TR218A	69205
	VF600/60 - 28	TR218A	69205
30	14.9 - 30	TR218A	961
	16.9 - 30	TR218A	87572
	18.4 - 30	TR218A	61754
	23.1 - 30	TR218A	14591
	380/85 - 30	TR218A	961
	420/85 - 30	TR218A	87572
	460/85 - 30	TR218A	61754
	620/75 - 30	TR218A	14591
	420/70 - 30	TR218A	961
	480/70 - 30	TR218A	87572
	520/70 - 30	TR218A	61754
	600/70 - 30	TR218A	14591
	540/65 - 30	TR218A	87572
	VF600/60 - 30	TR218A	61754
32	24.5 - 32	TR218A	2354
	30.5 - 32	TR218A	2354
	650/85 - 32	TR218A	2354
	680/85 - 32	TR218A	2354
	IF680/85 - 32	TR218A	2354
	800/65 - 32	TR218A	2354
34	16.9 - 34	TR218A	31693
	18.4 - 34	TR218A	47263
	420/85 - 34	TR218A	31693
	460/85 - 34	TR218A	47263
	480/70 - 34	TR218A	31693
	540/70 - 34	TR218A	47263
	540/65 - 34	TR218A	31693
	600/65 - 34	TR218A	47263
	IF650/65 - 34	TR218A	47263
	600/60 - 34	TR218A	47263
	VF600/60 - 34	TR218A	47263
	IF650/60 - 34	TR218A	47263
36	11.2 - 36	TR218A	14677
	12.4 - 36	TR218A	14677
	270/95 - 36	TR218A	14677
	320/85 - 36	TR218A	14677
38	11.2 - 38	TR218A	14677
	12.4 - 38	TR218A	14677
	13.6 - 38	TR218A	73399
	14.9 - 38	TR218A	11166
	15.5-38	TR218A	14475

RIM	TIRE SIZE	VALVE CODE	MSPN
38	16.9 - 38	TR218A	11166
	18.4 - 38	TR218A	85982
	20.8 - 38	TR218A	5817
	270/95 - 38	TR218A	14677
	320/85 - 38	TR218A	14677
	340/85 - 38	TR218A	73399
	420/85 - 38	TR218A	11166
	460/85 - 38	TR218A	85982
	520/85 - 38	TR218A	5817
	650/85 - 38	TR218A	66662
	IF650/85 - 38	TR218A	66662
	IF710/85 - 38	TR218A	66662
	650/75 - 38	TR218A	66662
	480/70 - 38	TR218A	11166
	520/70 - 38	TR218A	85982
	580/70 - 38	TR218A	5817
	620/70 - 38	TR218A	5817
	710/70 - 38	TR218A	66662
	540/65 - 38	TR218A	85982
	42	600/65 - 38	TR218A
650/65 - 38		TR218A	5817
VF710/60 - 38		TR218A	5817
VF600/60 - 38		TR218A	85982
16.9 - 42		TR218A	27984
18.4 - 42		TR218A	27984
20.8 - 42		TR218A	90038
520/85 - 42		TR218A	90038
620/70 - 42		TR218A	90038
IF710/70 - 42		TR218A	90038
46	650/65 - 42	TR218A	90038
	VF710/60 - 42	TR218A	90038
	12.4 - 46	TR218A	96272
	14.9 - 46	TR218A	96272
	18.4 - 46	TR218A	19186
	20.8 - 46	TR218A	19186
	380/90 - 46	TR218A	96272
	420/85 - 46	TR218A	96272
	520/85 - 46	TR218A	19186
	420/80 - 46	TR218A	96272
	480/80 - 46	TR218A	19186
	48	9.5 - 48	TR218A
11.2 - 48		TR218A	96272
52	12.4 - 52	TR218A	97549
	300/95 - 52	TR218A	97549
54	11.2 - 54	TR218A	97549
	270/95 - 54	TR218A	97549
	320/90 - 54	TR218A	97549

continued on next page...

MOUNTING / DISMOUNTING

There are risks in dismounting and mounting tires, so procedures must be carried out by trained and qualified staff, using appropriate tools and methods.

Never give this task to an unaccompanied apprentice; if several people are involved in the task with Large tires, ensure **at least one of the team** remains the same **for all parts of the procedure**.

The compressed air supply must be equipped with a pressure limit switch.


Failure to follow these instructions can lead to incorrect mounting of the tire on the rim, resulting in tire blow-outs and potentially serious or fatal injuries.

DISMOUNTING A TIRE FROM THE RIM

- 1. Never try to unseat the rim and/or beads on an inflated tire.**
- 2. The internal mechanism of the valve must be removed.**
 - make sure that the tire is fully deflated before dismounting it,
 - do not use tools that may damage the sidewalls or the tire beads,
 - unseat the beads using the removal slots (if present),
 - to facilitate removal and protect the beads, particularly in case of a puncture, lubricate the rim
 - seats and tire beads,
 - if the rim shows obvious signs of damage then the tire must be deflated before dismantling the assembly.

PREPARATION FOR MOUNTING

- 1. Before mounting, ensure that the rim, tire and inner tube are compatible, and check that:**
 - the tire is compatible with the vehicle or machine
 - the diameter of the rim seat corresponds to the seat of the tire to be fitted
 - (e.g.: 18.4 R 30 tire Rim: DW16L x 30),
 - the tire may be fitted to this rim (see characteristics in the Manufacturer's Documentation).

-  **Never fit 15" tires to rims with 15.3" seats.**
- **Never fit 16" tires to rims with 16.1" or 16.5" seats.**

- 2. Before mounting a tire to a rim that has already been used:**

- ensure the rim is clean and in perfect condition (showing no damage),
- if not, then thoroughly clean the rim using a wire brush.



Never fit a tire to a rim with cracks, significant distortion, signs of fracture, evidence of welded repairs, etc.

- 3. If the tire has been used, carefully examine its interior and exterior for possible damage.**

- if it shows signs of damage or deterioration that are deemed irreparable by a specialist, discard the tire.

- 4. For inner tube mountings, always use a new inner tube suitable for the tire dimensions (inner tube markings showing compatible tire sizes).**



Do not mount the inner tube to a damaged or repaired rim, or to a rim with a finish incompatible with a tube.

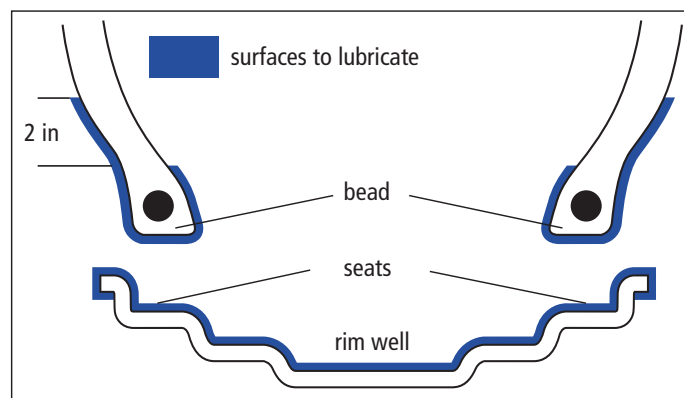
Fit a new Tubeless valve whenever you replace a Tubeless tire.

- 5. Always use tools that have no sharp edges, are in good condition and are suitable for the tires and rims (bead unseating, levers, machines...).**

For wide or large tires, we recommend using a bead pusher or bead unseating tool (with appropriate mechanical assistance) to fit the second bead.

Before mounting, lubricate the rim seats and tire beads. Apply a thin layer of lubricant to the surfaces shown on the diagram below; on the outside of the beads the lubricant should reach 2 inches above the rim flange.

Only use products designed for this purpose that will not degrade the tire (do not for example use hydrocarbon, silicon or antifreeze-based products).



MOUNTING / DISMOUNTING

VERTICAL MOUNTING OF TIRE TO WHEEL

1. Position the valve or valve hole at the bottom.
2. If there is a diagram of the valve on the sidewall of the tire, position the diagram as close as possible to the rim valve hole or valve.
3. Slip the tire onto the rim so that the first tire bead is positioned against the rim flange. Remember to rotate in the direction indicated by the arrow on the tire (if present).
4. Using a suitable lever to apply pressure approximately every 10 cm:
 - push the first bead over the rim flange.

Once the first bead is over:

- position the lightly inflated inner tube inside the tire (for inner tube mountings),
- fix the valve by partially tightening the nut.

For the second bead:

- lever it over the rim flange, finishing at the valve.

5. Centering the tire, mounting the beads

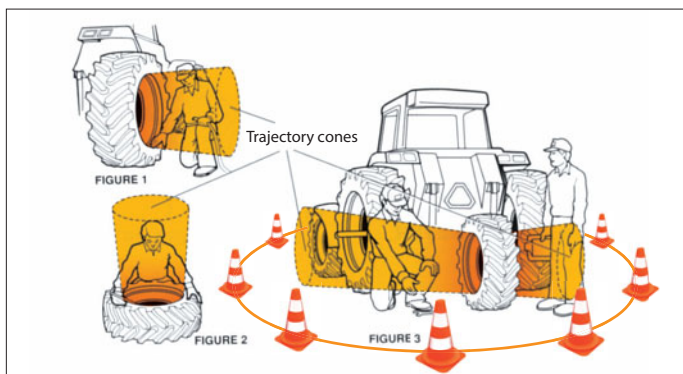
- lower the jack slightly to optimise tire centering,
- pull out the valve's inner mechanism,
- slowly and partially inflate for optimal bead positioning,
- check the beads are not pinching the inner tube,
- inflate to 2.5 bar but no more, to ensure that the beads are properly positioned.

INFLATION AND BEAD POSITIONING

Apply safety rules:

- system to support the tire assembly (safety cage),
- safety goggles,
- safety footwear,
- ear defenders.

If there is no safety bar or cage, the operator should be as far as possible from the tire and the rim.



Never stand within the trajectory cones (Figures 1, 2 and 3), to avoid any risk of physical injury in the event of an incident.

For optimum safety conditions use a fully functional inflation gun connected to the valve by an air-hose extension of at least 10 feet, with a clip fitted to the valve and a calibrated pressure-gauge (never lock the trigger).

When positioning the beads take particular care to ensure they are correctly located and centred in relation to the rim flanges and inflate to 35 psi, but no more.

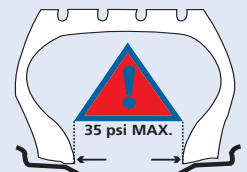
If the beads are not correctly positioned:

- deflate, re-lubricate and inflate to 35 psi
- repeat the operation as often as necessary until the beads are correctly positioned.

To fit and position the beads to the rim seats

INFLATE TO 35 PSI WITHOUT EXCEEDING THIS PRESSURE

The pictogram opposite shows the maximum inflation pressure which must not be exceeded when positioning the beads.



Once all the preceding operations have been properly executed,

- replace the valve's inner mechanism,
- tighten the nut on the valve by hand,
- inflate to the determined service pressure, according to the load levels stated in the manufacturer's documentation, or to storage pressure,
- tighten the valve cap after any inflation or pressure check, as this alone ensures that the valve remains clean and sealed.

If mounting the tire horizontally on the ground (not recommended because it is impossible to see if the lower bead is in place), take the following additional precautions:

- Initially, do not go above a maximum pressure of 10 psi (to establish the seal),
- Lift the tire-rim assembly, place it in a safety cage or position the upper part against a wall, never against a door or light partition wall,
- Follow the instructions for inflation and positioning the beads.

Note: All radial tires to be used at low pressures must be fitted to high quality rims.

MOUNTING / DISMOUNTING

BEGINNING OPERATIONS / RECOMMENDATIONS

- When transporting machinery (by road, rail or ship), we recommend inflating tires to 1.8 bar (26 psi) to avoid damage due to certain stowage systems.
- When starting the machinery, pressures must be determined and adjusted according to the load on the tires and actual conditions of use.

USER INSTRUCTIONS

Correct Pressure

=

- ✓ Comfort
- ✓ Grip
- ✓ Soil Protection
- ✓ Service Life of Tires
- ✓ Optimal Productivity of the Machine

BALLASTING

Ballasting tires with liquids:

In specific cases, to increase adhesion weight or lower the machine's centre of gravity, both Tubeless and Tube Type tires can be ballasted with liquid.

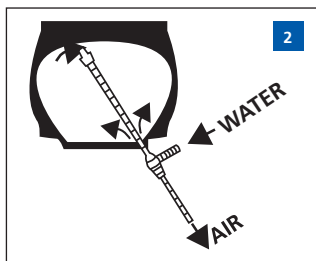
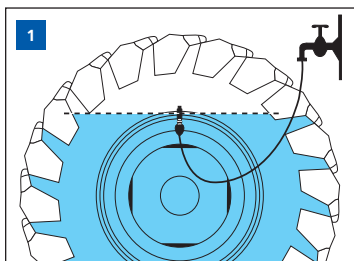
Agricultural valves are "air and water". This means tires can be filled with liquid (water + anti-freeze) to a 75% maximum (diagram 1).

In winter, temperatures may fall below freezing and at 0°C the use of a Glycol based anti-freeze product is required.

Fill the inner tube or Tubeless tire with liquid up to the level of the valve (valve at highest point), while releasing the air (diagram 2).

Inflation and pressure are adjusted using air.

As the volume of air providing pressure is low (around 25% volume), regular pressure checks are essential – we recommend monthly.



Tubeless liquid ballasting:

- Assemble and position the tire; see "Inflation and bead positioning" on previous page,
- Deflate the tire to a low pressure (roughly 0.5 bar)
- Position the valve at the highest point,
- Start to fill the tire with liquid (water + anti-freeze), to a maximum of 75% while releasing the air (diagram 2),
- Finish inflating with air and adjust the pressure.

STORAGE

To be correctly stored, tires must be kept in clean conditions in dry and ventilated premises, away from direct sunlight. They must be kept away from:

- any source of ozone (electric motor, transformer, arc welding station etc...).
- any chemicals, solvents and hydrocarbons that may affect the nature of the rubber.
- any objects that could pierce the rubber (sharp or pointed metal objects etc.).
- Keep away from flames or hot objects.

During storage periods, agricultural tires and inner tubes must be stored to avoid damage due to tension or compression, and so assembled and inflated if stacked; de-ballast vehicle-mounted tires as much as possible and over-inflate by 7 psi in relation to in-use pressures.



Never store bare tires or whole off-vehicle wheels in direct contact with the ground for long periods.

- The use of protective gloves is recommended when handling tires.

Never heat, weld or solder a rim or wheel with a tire fitted.

Always remove the tire from the rim before any intervention.

Always use the Michelin inflation table to decide on the correct pressure for the intended use

Under-inflation causes the carcass to become excessively misshapen and renders the tire unusable.

Over-inflation reduces the surface area in contact with the ground, causing a loss of grip and making the tire more sensitive to impacts and cuts.

If loads are lower than those shown in our load pressure tables, never go below the minimum tire pressure shown.