

# WELCOME TO THE WORLD OF MICHELIN COMPETITION

Michelin's mission has always been to offer greater mobility to people and equipment. As we are faced with a doubling of the vehicle population over the next thirty years, Michelin continues to innovate to ensure more secure, sustainable and eco-friendly mobility.

To assist in these changes, Michelin relies on its Technology Centre employing 6000 research staff and an extreme-conditions lab where future solutions are tested with partners on circuits and tracks around the world: competition!

## COMPETITIVE RACING HAS BEEN PART OF MICHELIN'S MAKE-UP AND BACKBONE SINCE THE OUTSET.

Michelin is the only brand to have developed as many winning technologies for over a hundred years. The group has a prestigious and authentic heritage, kept alive through the expression of a passion shared by all in the company.

Michelin makes every effort to assure its presence in competitions that have bearing on future mobility, to help its partners achieve victory through the extraordinary quality and performance of its products, along with innovative technologies developed to benefit consumers.

These commitments to success are demonstrated in worldwide, national, local, professional and amateur sport racing. The aim is to strengthen the reputation of the Michelin brand in mature countries and to ensure it is better known in new markets.

For Michelin, competition is also a better way forward.

**Pascal Couasnon**  
Director of Michelin Motorsport



# TECHNICAL INFORMATION

## TYRE MARKINGS EXPLAINED

Take the example of a GT Touring tyre:

### 24/64-18 P2G

**24** : Tread band width (cm)

**64** : Exterior tyre diameter (cm)

**18** : Rim diameter (inch)

**P** : Rain

**2** : Compound stiffness

**G** : Evolution

**X** : Radial

**TL** : Tubeless

**Number (7, 8, 9)** : Compound stiffness

**7** : Soft

**8** : Medium

**9** : Hard

**Letter (A, B, C, D, E, G)** : Evolution





# **MICHELIN**

## **Total Performance**

**MICHELIN Total Performance,**  
the strategy at the heart of Group Research & Development  
Consists in proposing better performance in terms of safety, consistency,  
speed and durability in a single tyre,  
simultaneously and to the highest level

**MORE PERFORMANCE FROM  
A SINGLE TYRE THROUGH  
MICHELIN  
INNOVATIVE TECHNOLOGY**





***MICHELIN***  
***Total Performance***

# RANGE **CIRCUIT**

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## **CIRCUIT RANGE**

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MONOPLACES

OPEN WHEELS

PROTOTYPE

PROTOTYPE

TOURING - GT

TOURING - GT

PORSCHE CUP

PORSCHE CUP

PILOT SPORT CUP

PILOT SPORT CUP



**MICHELIN**



# MICHELIN CIRCUIT RANGE **OPEN WHEELS**

# MICHELIN CIRCUIT RANGE

## OPEN WHEELS

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### Slick tyres

*Available in 13"*

Tyres exclusively intended for circuit use in dry conditions. Features a rubber tread specially designed for Sprint race format. These tyres offer excellent speed performance through their high traction while ensuring superb driveability.



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### Rain tyres

*Available in 13"*

Each slick tyre comes with its grooved equivalent, to ensure good traction in wet conditions.





# CIRCUIT DIMENSIONS

## OPEN WHEELS

DIMENSIONS	RAIN	SLICK
16/53 - 13	P310	S310
20/54 - 13	P310	S310
22/54 - 13	P310	S310
23/57 - 13	P310	S310
24/57 - 13	P310	S310
26/64 - 13	P312* P412	S312
31/66 - 13	P312*	
32/66 - 13	P412	S312

\* limited stocks available



# CIRCUIT TECHNICAL DATA

## OPEN WHEELS

DESIGNATION	TYPE	FAMILY	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
16/53 - 13	S310	OPEN WHEELS	8,00	175	216	534	1639
16/53 - 13	P310	OPEN WHEELS	8,00	175	216	532	1633
20/54 - 13	S310	OPEN WHEELS	9,00	199	245	541	1661
20/54 - 13	P310	OPEN WHEELS	9,00	199	246	540	1658
22/54 - 13	S310	OPEN WHEELS	10,00	222	270	541	1661
22/54 - 13	P310	OPEN WHEELS	10,00	222	269	540	1658
23/57 - 13	S310	OPEN WHEELS	10,00	235	279	574	1762
23/57 - 13	P310	OPEN WHEELS	10,00	235	279	574	1762
24/57 - 13	S310	OPEN WHEELS	10,00	241	289	575	1765
24/57 - 13	P310	OPEN WHEELS	10,00	244	288	600	1842
26/64 - 13	S312	OPEN WHEELS	12,00	256	330	632	1948
26/64 - 13	P312	OPEN WHEELS	12,00	260	335	632	1940
26/64 - 13	P412	OPEN WHEELS	12,00	260	333	632	1940
32/66 - 13	S312	OPEN WHEELS	13,70	308	380	654	2013
31/66 - 13	P312	OPEN WHEELS	13,70	300	384	654	2008
32/66 - 13	P412	OPEN WHEELS	13,70	310	384	655	2011

# MICHELIN CIRCUIT RANGE PROTOTYPE



© Hugues Laroché

# MICHELIN CIRCUIT RANGE PROTOTYPE

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## Slick tyres

*Available in 13"*

Tyres exclusively intended for circuit use in dry conditions. Available in two different treads according to the race format (Sprint with S310 or Endurance with S410). These tyres offer excellent speed performance through their high traction while ensuring superb driveability.



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## Rain tyres

*Available in 13"*

Each slick tyre comes with its grooved equivalent, to ensure good traction in wet conditions.



# CIRCUIT DIMENSIONS

## PROTOTYPE

DIMENSIONS	RAIN	SLICK		
		SOFT	MEDIUM	HARD
20/54 - 13	P310		S310	S410
24/57 - 13	P310		S310	S410

## TECHNICAL DATA

DESIGNATION	TYPE	FAMILY	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
20/54 - 13	S310	PROTO	9,00	199	245	541	1661
20/54 - 13	P310	PROTO	9,00	199	246	540	1658
20/54 - 13	S410	PROTO	9,00	199	244	540	1658
24/57 - 13	S310	PROTO	10,00	241	289	575	1765
24/57 - 13	S410	PROTO	10,00	245	285	574	1762
24/57 - 13	P310	PROTO	10,00	244	288	600	1842



**MICHELIN CIRCUIT RANGE**  
**TOURING / GT**

# MICHELIN CIRCUIT RANGE

## TOURING / GT

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### Slick tyres

*Available in 15", 17", 18" and 19"*

Tyres exclusively intended for circuit use in dry conditions. Up to three different treads are available on certain sizes, enabling their use in disciplines from Sprint races to Endurance races.



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### Rain tyres

*Available in 15", 17", 18" and 19"*

Each slick tyre comes with its grooved equivalent, to ensure good traction in wet conditions.





# CIRCUIT DIMENSIONS

## TOURING / GT

DIMENSIONS	RAIN	SLICK		
		SOFT	MEDIUM	HARD
19/57 - 15	P2G		S8B	S9C
33/70 - 15	P2E			S9C
20/61 - 17			S8B	S9C
20/61 - 17	P2G			S9D
24/61 - 17	P2E		S8C	
24/64 - 17	P2E	S8D		
21/65 - 18	P2G		S8C	
24/64 - 18	P2G	S7A		S9F
24/65 - 18	P2G		S8C	
25/64 - 18			S9B	S8A
27/65 - 18	P2G	S7H	S8H	S9H / S9G
27/68 - 18	P2G		S8E	S9F
29/65 - 18	P2G			
30/65 - 18		S7H	S8H	S9H
30/68 - 18	P2G	S7H	S8H	S9H
28/71 - 18	P2G		S8A	S9C
31/71 - 18	P2G	S7H	S8G / S8H	S9H
24/65 - 19	P2E		S8A	
27/67 - 19	P2E			
29/67 - 19			S8A	S9A
31/71 - 19	P2G		S8H	S9A

# CARACTÉRISTIQUES TECHNIQUES CIRCUIT

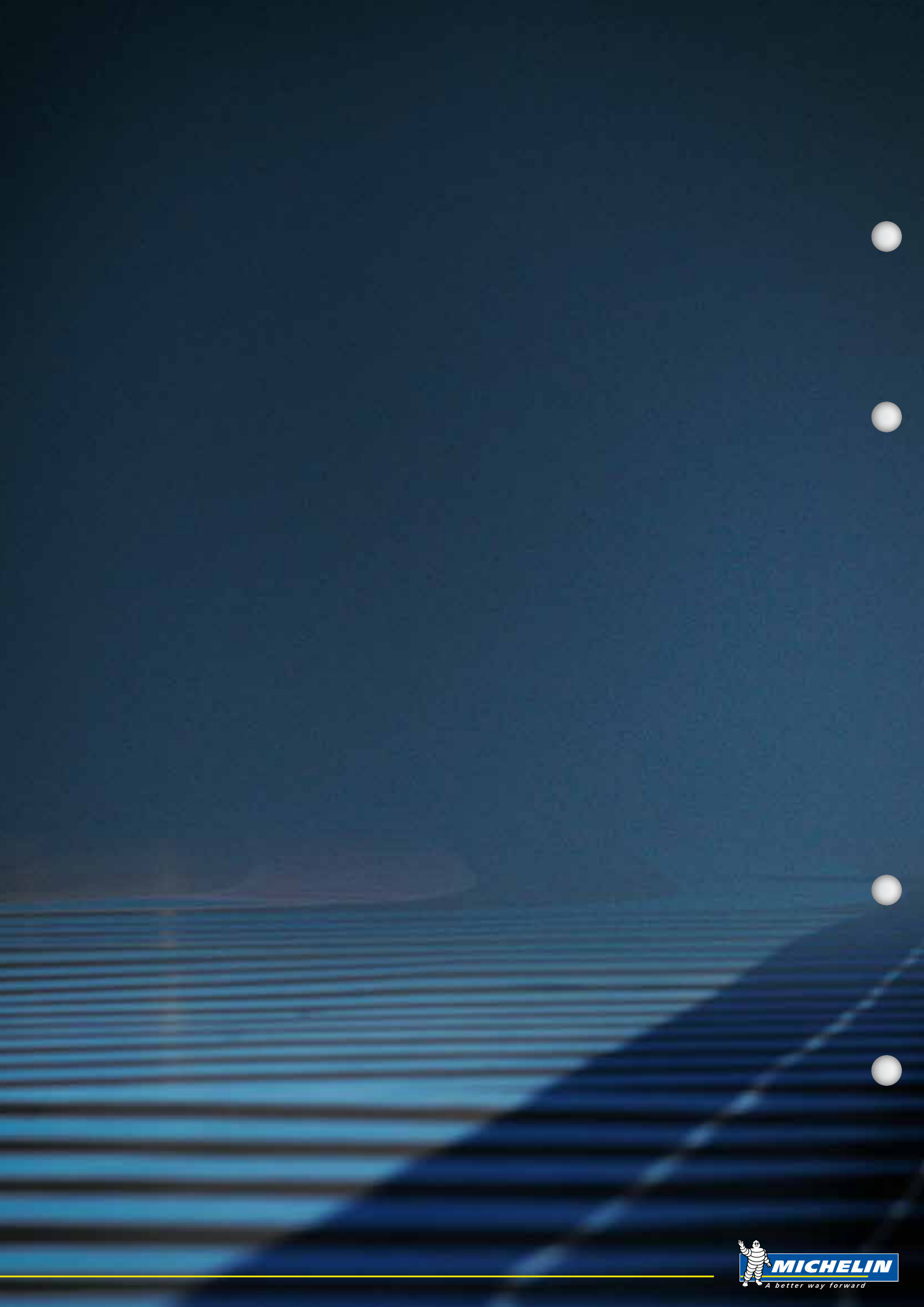
## TOURING

DESIGNATION	TYPE	FAMILY	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
19/57-15	S8B	TOURING	7,00	185	212	568	1744
19/57-15	S9C	TOURING	7,00	185	212	568	1744
19/57-15	P2G	TOURING	7,00	185	210	571	1753
33/70-15	S9C	TOURING	14,00	310	390	694	2142
33/70-15	P2E	TOURING	14,00	310	390	694	2137
20/61-16	S8B	TOURING	8,00	190	222	603	1851
20/61-16	S6A	TOURING	8,00	190	222	603	1851
20/61-16	P2E	TOURING	8,00	190	223	604	1854
23/62-16	P2E	TOURING	9,00	239	274	622	1910
20/61-17	S8B	TOURING	8,00	190	221	604	1861
20/61-17	S9C	TOURING	8,00	190	221	604	1861
20/61-17	S9D	TOURING	8,00	187	219	606	1870
20/61-17	P2E	TOURING	8,00	191	223	604	1854
20/61-17	P2G	TOURING	8,00	187	220	605	1857
24/61-17	P2E	TOURING	9,00	224	246	605	1857
24/61-17	S8C	TOURING	9,00	235	248	605	1857
24/64-17	P2E	TOURING	9,00	230	254	640	1965
24/64-17	S8D	TOURING	9,00	230	254	640	1965
21/65-18	S8C	TOURING	8,00	205	226	647	1986
21/65-18	P2G	TOURING	8,00	196	225	651	2006
24/64-18	P2G	TOURING	9,50	240	252	640	1965
24/65-18	S8C	TOURING	9,00	227	251	647,4	2034
24/65-18	P2G	TOURING	9,00	226	255	650	2007
25/64-18	S8A	TOURING	10,00	237	267	643	1974
27/65-18	S9H	TOURING	11,00	270	296	646	1992

# CIRCUIT TECHNICAL DATA

## GT

DESIGNATION	TYPE	FAMILY	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
21/65-18	S8C	GT	8,00	205	226	647	1986
21/65-18	P2G	GT	8,00	196	225	651	2006
24/64-18	S7A	GT	9,50	230	254	639	1962
24/64-18	S9F	GT	9,50	230	254	639	1962
24/64-18	P2G	GT	9,50	240	252	640	1965
24/65-18	S8C	GT	9,00	227	251	647	2034
24/65-18	P2G	GT	9,00	226	255	650	2007
25/64-18	S8A	GT	10,00	237	267	643	1974
25/64-18	S9B	GT	10,00	246	266	641	1978
27/65-18	S7H	GT	11,00	270	296	646	1992
27/65-18	S8H	GT	11,00	270	296	646	1992
27/65-18	S9H	GT	11,00	270	296	646	1992
27/65-18	S9G	GT	11,00	270	296	646	1992
27/65-18	P2G	GT	11,00	260	295	652	2002
27/68-18	S8E	GT	11,00	265	306	681	2091
27/68-18	S9F	GT	11,00	265	306	679	2085
27/68-18	P2G	GT	11,00	276	300	684	2100
28/71-18	S8A	GT	11,00	269	322	703	2176
28/71-18	S9C	GT	11,00	276	302	704	2161
28/71-18	P2G	GT	11,00	265	305	707	2170
29/65-18	P2G	GT	12,50	275	328	653	2009
30/65-18	S7H	GT	12,50	300	332	650	1996
30/65-18	S8H	GT	12,50	300	332	650	1996
30/65-18	S9H	GT	12,50	300	332	650	1996
30/68-18	S7H	GT	12,50	300	337	679	2085
30/68-18	S8H	GT	12,50	300	337	679	2085
30/68-18	S9H	GT	12,50	300	337	679	2085
30/68-18	P2G	GT	12,00	282	334	686	2114
31/71-18	S7H	GT	13,00	310	354	706	2166
31/71-18	S8G	GT	13,00	310	354	706	2166
31/71-18	S8H	GT	13,00	310	354	706	2166
31/71-18	S9H	GT	13,00	310	354	706	2166
31/71-18	P2G	GT	13,00	318	351	710	2187
24/65-19	S8A	GT	10,00	230	249	647	1986
24/65-19	P2E	GT	10,00	227	249	647	1986
27/67-19	P2E	GT	10,50	260	289	672	2063
29/67-19	S8A	GT	11,50	283	322	670	2057
29/67-19	S9A	GT	11,50	283	322	670	2057
31/71-19	S8H	GT	12,50	306	353	706	2192
31/71-19	S9A	GT	12,50	306	353	706	2192
31/71-19	P2G	GT	12,50	327	350	709	2175



**MICHELIN CIRCUIT RANGE**  
**PORSCHE CUP**

# MICHELIN CIRCUIT RANGE

## PORSCHE CUP

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### Slick tyres

*Available in 18"*

Developed in close collaboration with Porsche for use in the Super Cup, Carrera Cup and GT3 Cup Challenge competitions. These MICHELIN Porsche Cup tyres are custom designed to fulfil the specifications of the German engineer. MICHELIN developers worked on two fundamental elements of the tyre: a specific casing and a tread providing a longer lifetime and constant performance from start to finish.



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### Rain tyres

*Available in 18"*

Each slick tyre comes with its grooved equivalent, to ensure good traction in wet conditions



# CIRCUIT DIMENSIONS

## PORSCHE CUP

DIMENSIONS	RAIN	SLICK	
		N1	N2
24/64 - 18	P2G	Cup N1*	
25/64 - 18		Cup N1*	Cup N2
27/65 - 18	P2G		Cup N2
27/68 - 18	P2G	Cup N1*	Cup N2
30/68 - 18	P2G	Cup N1*	Cup N2
31/71 - 18	P2G		Cup N2

\* limited stocks available



# CIRCUIT TECHNICAL DATA

## PORSCHE CUP

DESIGNATION	TYPE	FAMILY	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
24/64-18	PORSCHE CUP N1	GT	9,50	227	252	640	1982
25/64-18	PORSCHE CUP N1	GT	9,50	250	260	642	1987
25/64-18	PORSCHE CUP N2	GT	9,50	249	270,5	642	1990
27/65-18	PORSCHE CUP N2	GT	11,00	274	295	646	2001
27/68-18	PORSCHE CUP N1	GT	11,00	265	306	679	2111
27/68-18	PORSCHE CUP N2	GT	11,00	278	300	681	2110
30/68-18	PORSCHE CUP N1	GT	12,00	298	327	680	2108
30/68-18	PORSCHE CUP N2	GT	12,00	297	323	681	2112
31/71-18	PORSCHE CUP N2	GT	13,00	314	348	707	2131



# RANGE RALLYE

## RALLY RANGE

ASPHALTE

ASPHALT

TERRE

GRAVEL

NEIGE-GLACE

SNOW - ICE



**MICHELIN**



**MICHELIN RALLY RANGE**

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**ASPHALT**

# RALLY USE

# ASPHALT

MIXTURE		SURFACE			CONDITION			TEMPERATURE								
Hardness	Type	Smooth	Medium	Abrasive	Wet	Humid	Dry	-5	0	5	10	15	20	25	30	30+
Rain - Cold	PB 00															
Rain - Hot	PC 00															
Mixed - Super Soft	031B															
Soft	SA 01															
Medium	SA 20															
Hard	SA 30															

# MICHELIN RALLY RANGE

## ASPHALT

### SA00, SA20, SA30

Available from 14" to 18"

Dry asphalt tyres This range provides the best performance both in braking, traction and cornering. It is available in three treads to adapt to different driving and temperature conditions.



### PC00

Available in 18"

For wet asphalt with 100% rain sculpture.



### PA00

Available from 14" to 18"

For humid and drying asphalt. Adapts to deep water after retreading.



### PB00

Available in 18"

For humid and drying asphalt. Adapts to deep water after retreading and regrooving.



### PE00, SA00, SA20, SA30

Available in 17" and 18"

Specific 18" tyres for GT cars (front and back). Available in rain version and low to high-abrasion asphalt.



# RALLY DIMENSIONS

## ASPHALT

DIMENSIONS	RAIN	SLICK			GROUP
		SOFT	MEDIUM	HARD	
16/57-14	PA00	SA00	SA20	SA30	Group F
18/58-15	PA00	SA00	SA20	SA30	R1-N2-FA5
19/57-15	P2G		SA20		R1-N2-FN3
20/58-15	PA00	SA00	SA20		Group F
17/60-16	PA00	SA00	SA20	SA30	Group F, R2
20/61-16	PA00	SA00	SA20		Group N-FA7
19/62-17	PA00	SA00	SA20	SA30	Group R3, F, S1600, Group N
20/63-17	19/62-17 PA00	SA00	SA20		FA7, N4,FA8
24/64-17	PR00		RC01		Rallycross
20/65-18	PB00 (mixed) PC00 mixed - rain	031B SA01	SA20	SA30	S2000,N4,WRC
24/65-18	PE00	SA00		SA20	GT
29/65-18	PE00	SA20		SA30	GT



# RALLY TECHNICAL DATA

## ASPHALT

DESIGNATION	TYPE	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
16/57-14	SA00	6 J 14	152	180	569	1741
16/57-14	SA20	6 J 14	152	180	569	1741
16/57-14	SA30	6 J 14	152	180	569	1741
16/57-14	PA00	6 J 14	152	180	569	1741
18/58-15	SA00	7 JK 15	167	196	577	1766
18/58-15	SA20	7 JK 15	167	196	577	1766
18/58-15	SA30	7 JK 15	167	196	577	1766
18/58-15	PA00	7 JK 15	167	196	577	1766
19/57-15	SA20	7 JK 15	187	210	571	1753
19/57-15	P2G	7 JK 15	187	210	571	1753
20/58-15	SA00	7 JK 15	201	217	575	1762
20/58-15	SA20	7 JK 15	201	217	575	1762
20/58-15	PA00	7 JK 15	201	217	575	1762
17/60-16	SA00	6,5 J 16	173	197	600	1838
17/60-16	SA20	6,5 J 16	173	197	600	1838
17/60-16	SA30	6,5 J 16	173	197	600	1838
17/60-16	PA00	6,5 J 16	173	197	600	1838
20/61-16	SA00	7 J 16	190	207	604	1849
20/61-16	SA20	7 J 16	190	207	604	1849
20/61-16	PA00	7 J 16	190	207	604	1849
19/62-17	SA00	7 J 17	193	202	624	1917
19/62-17	SA20	7 J 17	193	202	624	1917
19/62-17	SA30	7 J 17	193	202	624	1917
19/62-17	PA00	7 J 17	193	202	624	1917
20/63-17	SA00	8 JK 17	202	227	626	1919
20/63-17	SA20	8 JK 17	202	227	626	1919
24/64-17	RC01	9 J 19	224	251	644	1972
24/64-17	PR00	9 J 19	224	251	644	1972
20/65-18	O31B	8 J 18	200	228	647	1987
20/65-18	SA01	8 J 18	200	228	647	1987
20/65-18	SA20	8 J 18	200	228	647	1987
20/65-18	SA30	8 J 18	200	228	647	1987
20/65-18	PB00	8 J 18	200	228	647	1987
20/65-18	PC00	8 J 18	200	228	647	1987
24/65-18	SA00	9 J 18	229	251	648	1996
24/65-18	SA20	9 J 18	229	251	648	1996
24/65-18	PE00	9 J 18	229	251	648	1996
29/65-18	SA20	12 J 18	278	323	651	2005
29/65-18	SA30	12 J 18	278	323	651	2005
29/65-18	PE00	12 J 18	278	323	651	2005





**MICHELIN RALLY RANGE**

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**GRAVEL**

# RALLY USE

## GRAVEL

MIXTURE		SURFACE			CONDITION			TEMPERATURE								
Hardness	Type	Loose	Gravel	Agressive	Mud	Humid	Dry	-5	0	5	10	15	20	25	30	30+
Soft	TZ 70	■	■		■	■	■	■	■	■	■	■	■	■	■	■
Medium - Soft	TZ 80		■		■	■	■	■	■	■	■	■	■	■	■	■
Medium	TZ 85		■	■		■	■	■	■	■	■	■	■	■	■	■
Hard	TZ 90		■	■			■	■	■	■	■	■	■	■	■	■
Hard - Very Hard	TZ 95		■	■			■	■	■	■	■	■	■	■	■	■

# MICHELIN RALLY RANGE GRAVEL

## **TZ right (R) and left (L)**

*Available in 15"*

Asymmetric tyres with protective bead on flank. Highly-grooved sculpture to boost adherence and traction. Retreads possible.



## **TZS right (R) and left (L)**

*Dimension 17/65-15*

Asymmetric tyres without protective bead, for R3 group cars. Relatively prominent groove to boost adherence and traction. Retreads possible.



## **TL**

*Available in 14" and 15"  
Rally Gravel and Autocross*

Symmetrical tyres. Sculpture boosting transversal grip, versatile for Gravel and Autocross rallies



# RALLY DIMENSIONS

## GRAVEL

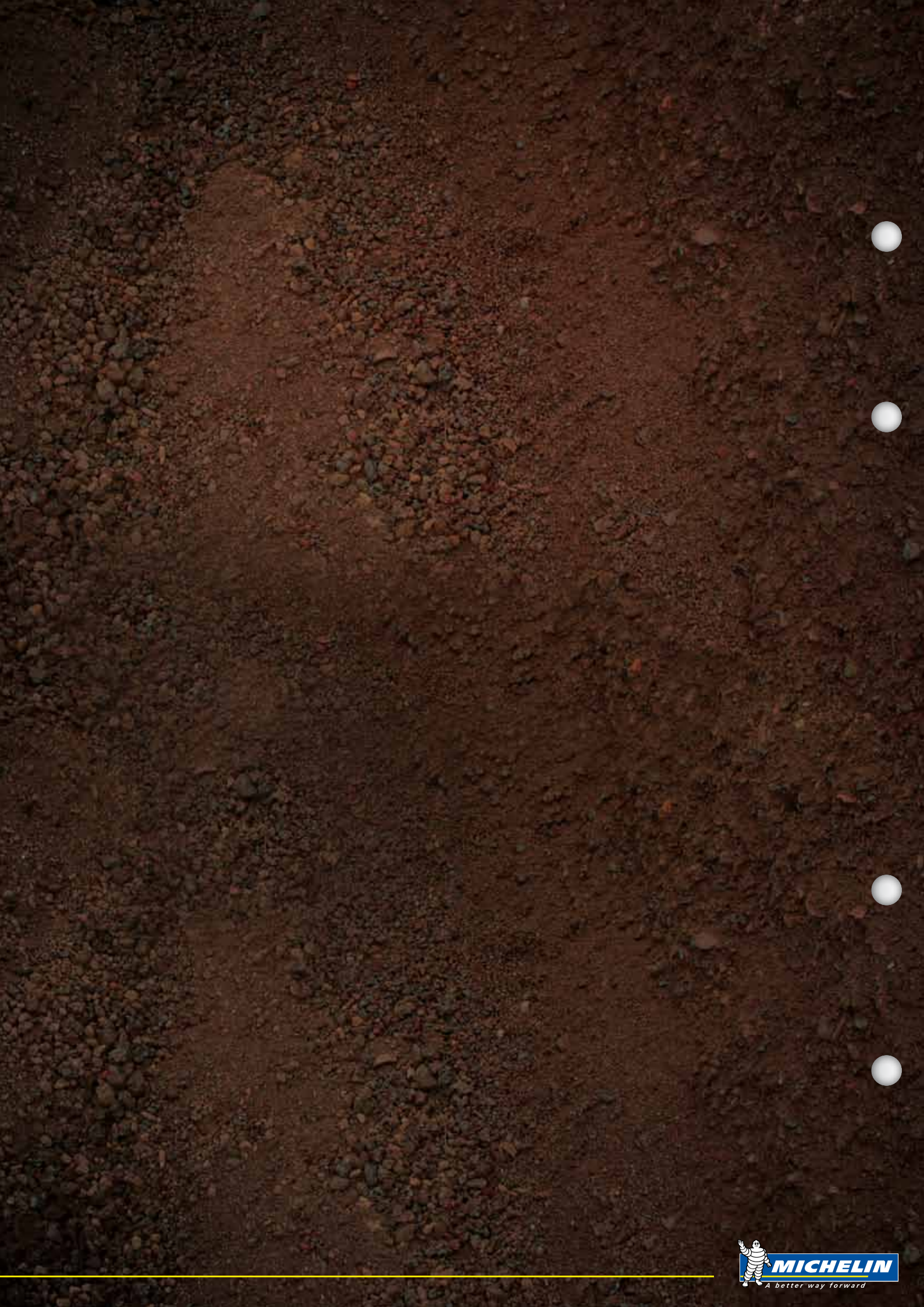
DIMENSIONS	MUD	ROLLING SOIL	WEARING SOIL	GROUP
14/60-14		TL80	TL90	Group F, N2, Buggy Autocross
14/62-15	TL70	TL80		205, 206, Escort
16/64-15	TZ70 L and R	TZ80 L and R	TZ90 L and R	205, 206, Escort
17/65-15	TZS70 L and R	TZS80 L and R	TZS90 L and R	Group N, R3, S1600
17/65-15	TZ80 L and R	TZ85 L and R	TZ85	S2000, WRC, N4, Mitsubishi
18/66-15		TL40		Buggy Autocross



# RALLY TECHNICAL DATA

## GRAVEL

DESIGNATION	TYPE	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
14/60-14	TL80	6 J 14	146	182	633	1899
14/60-14	TL90	6 J 14	146	182	633	1899
14/62-15	TL70	6 J 15	145	184	624	1871
14/62-15	TL80	6 J 15	145	184	624	1871
16/64-15	TZL70	6 J 15	164	205	644	1934
16/64-15	TZR70	6 J 15	164	205	644	1934
16/64-15	TZL80	6 J 15	164	205	644	1934
16/64-15	TZR80	6 J 15	164	205	644	1934
16/64-15	TZL90	6 J 15	164	205	644	1934
16/64-15	TZR90	6 J 15	164	205	644	1934
17/65-15	TZSL70	7 J 15	180	213	647	1947
17/65-15	TZSR70	7 J 15	180	213	647	1947
17/65-15	TZSL80	7 J 15	180	213	647	1947
17/65-15	TZSR80	7 J 15	180	213	647	1947
17/65-15	TZSL90	7 J 15	180	213	647	1947
17/65-15	TZSR90	7 J 15	180	213	647	1947
17/65-15	TZL80	7 J 15	180	222	646	1945
17/65-15	TZR80	7 J 15	180	222	646	1945
17/65-15	TZL85	7 J 15	180	222	646	1945
17/65-15	TZR85	7 J 15	180	222	646	1945
17/65-15	TZL95	7 J 15	180	222	646	1945
17/65-15	TZR95	7 J 15	180	222	646	1945
18/66-15	TL40	7 J 15	190	233	664	1994
18/66-15	TL40	7 J 15	190	233	664	1994



**MICHELIN RALLY RANGE**

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**SNOW AND ICE**



# MICHELIN RALLY RANGE

## SNOW AND ICE

### NA00

*Available in 15" and 16"*

Extreme condition tyres (Swedish type studding). For use on gravel rallies in winter conditions. Enable good traction on ice or deep snow.



### GE00 right (R) and left (L)

*Available in 16"*

Extreme condition tyres (Swedish type studding). For use on gravel rallies in winter conditions. Their asymmetric sculptures ensure traction and adherence when cornering on ice and deep snow.



### NA00

*Available in 15", 17" and 18"*

Tyres intended for snow-covered roads, may be studded (Monte-Carlo type studding) for use on ice. Their Super Soft rubber and the layered structure ensure traction and road handling in all conditions encountered on winter rally courses.





# RALLY DIMENSIONS

## SNOW AND ICE

DIMENSIONS	SNOW AND ICE	SNOW
9/58-13	NA00 studded	NA00
9/58-14	NA00 studded	NA00
10/65-15	NA00 studded	NA00
10/65-16	NA00 studded - GE00 L and R studded	NA00
16/61-15	NA00 studded	NA00
16/61-17	NA00 studded	NA00
18/65-18	NA00 studded	NA00

## TECHNICAL DATA

DESIGNATION	TYPE	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
9/58-13	NA00	5 J 13	111	154	583	1739
9/58-14	NA00	5 J 14	110	148	584	1743
16/61-15	NA00	6 J 15	167	200	612	1836
10/65-15	NA00	5 J 15	110	159	650	1954
10/65-16	NA00	5 J 16	110	159	649	1952
10/65-16	GEL00	5 J 16	117	159	650	1954
10/65-16	GER00	5 J 16	117	159	650	1954
16/61-17	NA00	7 J 17	164	200	615	1844
18/65-18	NA00	8 J 18	178	222	648	1955



# GAMME COURSE DE CÔTE

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## RANGE HILLCLIMBING

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# MICHELIN HILLCLIMBING RANGE

## S5

Available in 13", 15", 17", 18" and 19"

Tyres with specific architecture to enable rapid temperature rise. Using a Super Soft rubber specially developed for hill climbing, they reach their optimum temperature rapidly and offer consistency throughout the circuit.



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# DIMENSIONS

# HILLCLIMBING

## HILL CLIMBING

20/54-13	S5A	F3 Front
24/57-13	S5A	F3 Rear
19/57-15	S5B	F 2000 and FC
20/61-17	S5B	Group N and A
24/61-17	S5B	GT series
24/65-18	S5A	GTTs
27/65-18	S5A	GTTs
21/65-19	S5B	GTTs



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# TECHNICAL DATA

# HILLCLIMBING

DESIGNATION	TYPE	RECOMMENDED RIM (")	TREAD WIDTH (MM)	TYRE WIDTH (MM)	INFLATED DIAMETER (MM)	TREAD CIRCUMFERENCE (MM)
20/53-13	S5A	9 J 13	199	246	540	1658
24/57-13	S5A	9 J 13	222	269	540	1658
19/57-15	S5B	7 J 15	185	212	568	1759
20/61-17	S5B	8 J 17	190	221	604	1861
24/61-17	S5B	9 J 17	235	249	605	1872
24/65-18	S5A	9 J 18	229	251	647	1988
27/65-18	S5A	11 J 18	262	298	647	1988
21/65-19	S5B	9 J 19	205	220	649	1992





# INFORMATIONS PRATIQUES






## PRACTICAL INFORMATION



**MICHELIN**



# LIST OF CUSTOMER COMPETITION DISTRIBUTORS IN EUROPE

COUNTRY	DISTRIBUTOR	RALLY	CIRCUIT	ADDRESS	PHONE / E-MAIL
<b>Austria</b> 	RICHARD RANK	✓	✓	Römerstrasse 5 - 85414 Kirchdorf Germany	+49 81 66 992 18 40 info@ranksport.de
<b>Belgium / Netherlands</b> 	KRONOS RACING	✓	✓	37 rue des Pieds d'Alouettes 5100 Naninne Belgium	+32 81 40 16 39 kronos21@kronostyres.com
<b>Bulgaria</b> 	ATA TANDEM	✓	✓	65, Kliment Ohridski Blvd - 1756 Sofia Bulgaria	+359 2 962 62 38 ata@atatandem.com
<b>Czech Republic / Slovakia / Hungary</b> 	PNEU SPORT SRO	✓	✓	Zelena 211 - 293 06 Bradlec Czech republic	+420 482 311 677 pavel@pneu-sport.cz
<b>Denmark</b> 	GUNNAR AASKOV MOTORSPORT	✓	✓	Kornmarken 2, Gravens - 6040 Egtved Denmark	+45 75 55 32 90 mail@aaskov-motorsport.dk
<b>Estonia / Baltic countries</b> 	TRIPLE M / MM MOTORSPORT	✓	✓	Silikaltsiidi 3F - 11216 Tallinn - Estonia	+372 6 814 091 info@mm-motorsport.ee
<b>Finland</b> 	OY SEBA TEAM	✓	✓	Sandarbergintie 33 - 10160 Degerby Finland	+358 92 21 23 99 myynti@rallirengas.fi
<b>France</b> 	AUVERGNE PNEUMATIQUES RACING		✓	3, rue du Pavin - Parc Logistique 63360 Gerzat France	+33 4 73 24 24 24 info@auvergnepneumatiques.com
	CEERTA	✓		ZI de Lavaur - 63500 Issoire France	+33 4 73 55 56 56 ceerta@ceerta.com
<b>France (Reunion Island)</b> 	BAMATEX	✓	✓	Angle rue C. Darwin et av. T. Drouhet ZAC 2000 - 97420 Le Port - Reunion Island	+33 2 62 42 64 89 patricia.cillon@gbh.fr
<b>Greece</b> 	AGLOPOULOS RACING	✓	✓	Farsalon, 11 - 41223 Larissa Greece	+30 2410 282 352 info@aglopoulos-racing.gr

COUNTRY	DISTRIBUTOR	RALLY	CIRCUIT	ADDRESS	PHONE / E-MAIL
<b>Germany</b> 	HGS MOTORSPORTSERVICE	✓		Dorfstr. 1 - 35088 Battenberg / Frohnhausen Germany	+49 64 52 89 10 hgs-motorsportservice@t-online.de
	DIETER KNÜTTEL		✓	Zotzenbacher Weg 7-11 64668 RIMBACH / ODW Germany	+49 62 53 868 68 info@reifen-knuettel.de
<b>Italy</b> 	BARDI	✓	✓	Via G. Boccaccio, 12A - CAP 57122 Livorno (LI) Italie	+39 0586 858 222 bardicom@bardiracing.com
	BELLOTTO	✓	✓	Via Ateste, 8 - 35042 ESTE (PD) Italy	+39 0429 190 6003 michele@bellottoracing.it
<b>Poland</b> 	AUTO SERWIS	✓	✓	Cieszynska 364 B - 43-384 Jaworze Poland	+48 33 818 51 96 piotrbak@telvnet.pl
<b>Portugal</b> 	SPORT PNEUS LDA	✓	✓	Rua Silva Tapada, 28 - 4200-500 Porto Portugal	+351 225 500 619 sportpneus@netcabo.pt
<b>Slovenia / Croatia / Serbia</b>   	MAKSICO	✓	✓	Skapinova 7, 1000 Ljubljana - Slovenia	+386 1 546 19 27 info@maksico56.si
<b>Spain</b> 	NEUMATICOS ALVAREZ	✓	✓	C/Avda. de Madrid nº25 28680 San Martin De Valdeiglesias (Madrid) Spain	+34 626 476 158 david@neumaticosalvarez.com
<b>Sweden / Norway</b>  	DÄCKPROFFSEN	✓	✓	Norremarksvägen 6 - 352 45 Växjö Sweden	+46 470 470 03 info@dackproffsen.se
<b>Switzerland</b> 	HORAG	✓	✓	Kreuzlingenstr. 3 - 8583 Sulgen Switzerland	+41 71 644 80 20 horag@bluewin.ch
<b>Turkey</b> 	VOLKAN ISIK / LIMIT EGITIM	✓	✓	Güven Mah. Kanat Sok. No:3 34160 Güngören / Istanbul Turkey	+90 212 641 20 40 unaltezel@volkanisik.com
<b>United Kingdom / Ireland</b>  	PROTYRE MOTORSPORT	✓	✓	Elswick Road, Fenton Ind Est - ST4 2SH - Stoke On Trent United Kingdom	+44 17 82 411 001 shaun.chetwyn@protyre.co.uk

# MICHELIN GROUP SAFETY RECOMMENDATIONS

## USE OF CUSTOMER COMPETITION TYRES

### 1- INTRODUCTION

recommendations and instructions for use.

These recommendations are valid subject more restrictive local regulations issued or imposed by the organisers of competitions, rallies or circuits regarding the use of tyres.

Non-respect of these recommendations or instructions may lead to the use of incorrect equipment or incorrect assembly, provoking premature wear and tear of the tyre.

Use of banked circuits imposes the use of tyres and/or specific conditions of use. Prior to any use, ensure you read the recommendations for use on our website [www.michelin.com](http://www.michelin.com), «Motorsport» section or contact the Michelin department for the Open Wheels / Touring activity: +33 (0) 4 73 30 13 03 or GT / Porsche / Prototype: +33 (0) 4 73 30 21 25 and Rally: +33 (0) 4 73 30 44 45.

### 2- RECOMMENDATIONS

#### Verification prior to use

The tyre selection must correspond to the vehicle equipment, as defined by the vehicle maker and manufacturer.

Ensure that all tyres on the same axle are of the same type (brand, industrial reference, dimensions, structure).

#### Before mounting, ensure that:

- The diameter of the rim is an exact fit to the inner diameter of the tyre.
- The width of the rim corresponds to that recommended by the manufacturer or, failing that, to applicable standards (ETRTO, TRA, JATMA, etc.)
- The type of rim (tubeless, tube type) corresponds to the type of casing used.
- The rim is in good condition and does not present wear (cracks, deformation, etc.)
- The rim is able to support the required mounting pressure
- The tyres have not been repaired
- The valves are in proper condition and if not replace them

### 3- VALVE

- Respect all instructions provided by the manufacturers (adjustment and compatibility with the rim, type of alloys, dimensions).
- Systematically tighten the polyamide valve cap with a washer (polyamide is used for its thermal resistance qualities). This ensures the valve mechanism is protected and an airtight seal on the assembled tyre.
- Ensure that the valve is in good condition (no ovalisation, no traces of impact, etc.).
- Regularly check the tightening torques on closed valves.
- Only use metal valves.

### 4- TYRE MOUNTING AND REMOVAL

Tyre mounting, removal, inflation and balancing must be done on suitable equipment in good condition. These actions should be entrusted to qualified and trained personnel who will ensure:

- Compliance with manufacturer's rules and legislation governing the selection of tyres.
- Prior examination of the external and internal aspect of the tyre by the fitter.
- Compliance with tyre mounting, removal, balancing and inflation procedures.
- Correct positioning of the tyre on the vehicle (left, right, front, rear).
- correct operating pressure.

Measuring equipment such as pressure gauges, torque wrenches etc. must be calibrated and inspected at least once a year by a certified body or, failing that, by the supplier or manufacturer.

#### Mounting - Removal:

- Ensure that the mounting equipment is suited to the assembly work. Prior to using the equipment, refer to the manufacturer's user manual.
- Respect the mounting direction for directional tyres
- Lubricate tyre rim seats and casing beads with a suitable product.
- For tube type assemblies (with an air tube), the dimension of the air tube must correspond to that of the tyre (width and diameter) and the rim must be in a suitable condition to house the air tube without damaging it.

#### Inflation

- Important note: only use inflation equipment intended for that purpose. Under no circumstances should an operator remain in the immediate proximity of a tyre being inflated. Therefore, ensure that the compressed air hose attached to the valve is equipped with a safety clip and that there is sufficient length for the operator to remain beyond the trajectory of flying particles in the event of an incident. Move people not involved in the inflation procedure away from the location where it is carried out.
- Remove the inside of the valve.
- Start inflation and check that tyre beads are properly centred with respect to the rim flange.
- If the beads are incorrectly centred, deflate and start the operation over, including lubrication.
- Continue inflating to a pressure of 3.5 bars to ensure the beads are correctly in place. For higher pressures, use a protective cage when inflating the tyre.
- Replace the inside of the valve and adjust it to operating pressure.
- Replace the polyamide valve cap with a washer to ensure an airtight seal. ... /

... /

### Balancing

- For use on a circuit, it is recommended to balance the four wheels.
- Balancing machines must be calibrated in accordance with manufacturer instructions.
- Pay special attention to the centring devices (cone / screw plate) on the machine.

### 5- TYRE RETREADS

- Retreading a tyre modifies its characteristics and performance. The operation requires suitable equipment and tools, as well as compliance with instructions.
- Retreading a used tyre (not new) is prohibited.
- Prior to any retreading operation, contact the Michelin department for the Open Wheels / Touring activities: +33 (0) 4 73 30 13 03 or GT / Porsche / Prototype: +33 (0) 4 73 30 21 25 and Rally: +33 (0) 4 73 30 44 45.

**Reminder:** Retreading or regrooving ECE R30-approved tyres, intended for use on public roads, is prohibited.

### 6- STORAGE AND TRANSPORT

It is important to respect certain important points when storing and transporting tyres, such as minimum temperatures:

Range	Minimum transport and storage temperature
Slick (Circuit) and Asphalt (Rally)	0°C
Other tyres	-10°C

Moreover, tyres must not be subject to:

- direct and prolonged exposure to sunlight
- sources of heat and humidity (storage in tropical conditions)
- solvents, lubricants, fuels and other chemical products
- Ozone emissions from equipment such as transformers, welding units, electric motors, etc.
- Long term storage in stacks

Non-compliance with these storage recommendations may greatly reduce the period over which the tyre will retain its peak performance.

The storage location must be dry, ventilated, without direct light and used to store tyres only. Racks enabling tyres to be stored vertically should be used to avoid exerting pressure on the casings.

### 7- TYRE AGING

- Tyres aged even when not used, or if they are only used occasionally. Excessive tyre aging may lead to a loss of grip.
- Withdraw from service any tyres presenting clear signs of aging or fatigue (cracks in the outer tread, shoulder, bead flank, deformation, etc.) If in doubt contact a tyre professional.
- We recommend that Michelin competition tyres be used within 24 months of purchase (within 3 months if stored in severe, tropical-like conditions).

### 8- MONITORING AND MAINTENANCE

- Check the tyre pressures before each outing and correct the pressure if it does not match the operating pressure. Tyre pressures should be checked when cold (tyres have not been run, not heated).
- Inflation using nitrogen does not dispense you from regular checks of tyre pressures.
- In the event of unusual pressure loss, check the external and internal condition of the tyre and the state of the wheel and valve.
- Any perforations, cuts or visible deformations must be examined closely by a tyre professional. Never use a damage tyre or one that rolled flat without the intervention of a professional.

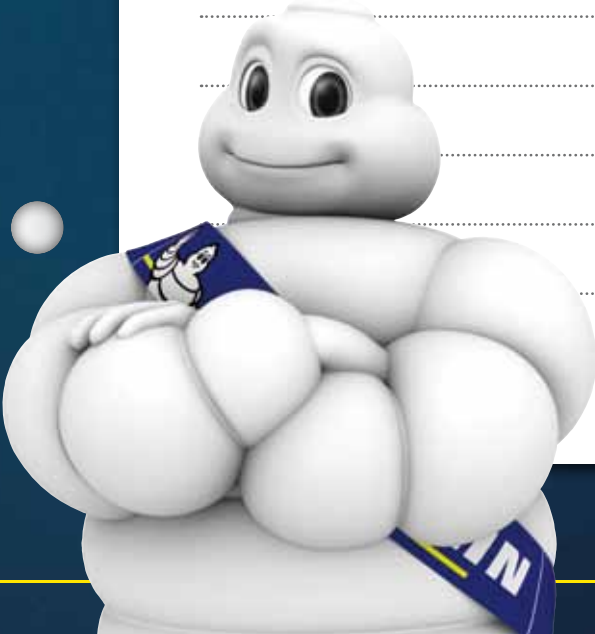
### 9- CONDITIONS OF USE

- Never apply chemical products to the outer tread of the tyre.
- Never use tyres with an unknown past.
- If heating cabinets are used, never bring mounted assemblies into contact with heated metal parts and/or directly exposed to the heat source.
- Ensure that the pressures, camber angles, speed and axle load values comply with Michelin recommendations for the intended use (update recommendations according to use).

Recommendations for standard use are available on [www.michelin.com](http://www.michelin.com) or from the Michelin department for the Open Wheels / Touring activity: +33 (0) 4 73 30 13 03 or GT / Porsche / Prototype: +33 (0) 4 73 30 21 25 and Rally: +33 (0) 4 73 30 44 45.

# NOTES

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# NOTES

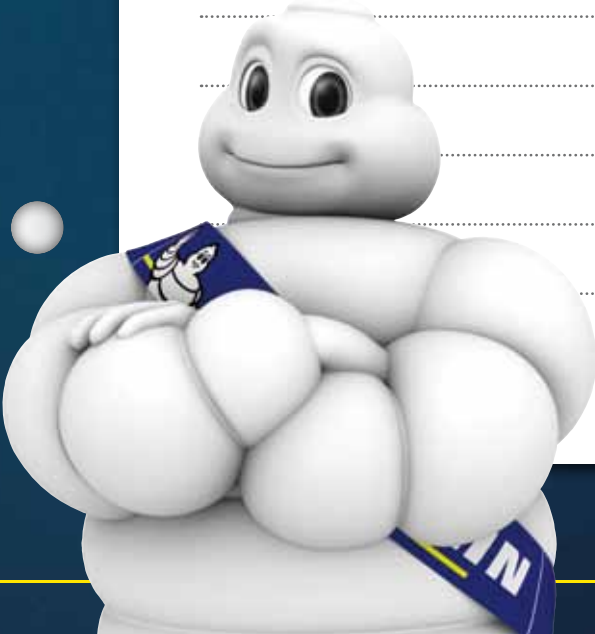
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# NOTES

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# MICHELIN COMPETITION

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36 rue du Clos Four  
63040 Clermont-Ferrand  
France  
00 33 (0) 4 73 30 45 90  
[www.michelin.com](http://www.michelin.com)

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Visit our website  
[www.michelin.com](http://www.michelin.com)

Motorsport section

or contact

the Michelin department for

Open Wheels / Touring: 00 33 (0) 4 73 30 13 03

or

GT / Porsche / Prototype: 00 33 (0) 4 73 30 21 25

and

Rally 00 33 (0) 4 73 30 44 45.

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**TYRES NOT APPROVED FOR STANDARD ROAD USE. FOR EXCLUSIVE USE  
ON CIRCUITS OR IN COMPETITION, IN FULL RESPECT  
OF OUR RECOMMENDATIONS.**

To ensure the highest performance possible, Michelin continuously improves its range and reserves the right to make alterations to its products during a season.