

**LISTE DES FOURNISSEURS DE CODE BARRES ET PUCES RFID POUR
PNEUMATIQUES HOMOLOGUES PAR LA FIA
LIST OF SUPPLIERS FOR TYRE BARCODES AND RFID TAGS
HOMOLOGATED BY THE FIA**

LISTE TECHNIQUE N° 54 / TECHNICAL LIST N° 54


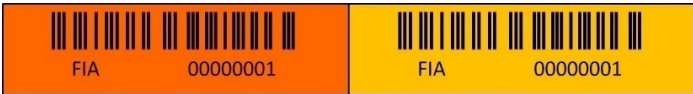
**Liste des fournisseurs de code barres pour tous les championnats FIA
exceptés le Championnats Formula E et
le Championnat d'Europe FIA des Rallyes Sportifs Historiques**

***List of suppliers for barcodes for all FIA Championships
except FIA Formula E Championship and
FIA European Historic Sporting Rally Championship***

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**Spécifications requises pour les code barres
Required specifications for the barcodes**


Type	
- Single barcodes:	
- Double barcodes:	
Material	
- Rubber base	
- To be used before vulcanisation	
Size	
- Single barcodes:	42mm * 14mm
- Double barcodes:	84mm * 14mm (set of 2 pieces)
Uniqueness	
- Single barcodes:	only one existing number per piece
- Double barcodes:	only one existing number per set of 2 pieces

Colours																																	
- Single barcodes:	black on yellow background																																
- Double barcodes:	black on orange and red backgrounds																																
Code Interleave																																	
- Interleaved 2 of 5																																	
- 8 or 10 digits																																	
First Digit																																	
- First digit dedicated to Manufacturer brand:																																	
	<table border="1"> <tbody> <tr><td>Michelin</td><td>0</td></tr> <tr><td>SESS Tyres</td><td>0</td></tr> <tr><td>Avon Coopertire</td><td>1</td></tr> <tr><td>MRF</td><td>1</td></tr> <tr><td>Falken</td><td>2</td></tr> <tr><td>Dunlop</td><td>2</td></tr> <tr><td>Silverstone</td><td>3</td></tr> <tr><td>Maxsport</td><td>3</td></tr> <tr><td>Toyo</td><td>4</td></tr> <tr><td>Pirelli</td><td>5</td></tr> <tr><td>Yokohama</td><td>6</td></tr> <tr><td>DMack</td><td>7</td></tr> <tr><td>Kuhmo</td><td>7</td></tr> <tr><td>GITI</td><td>8</td></tr> <tr><td>Extreme Tyres</td><td>9</td></tr> <tr><td>Hankook</td><td>9</td></tr> </tbody> </table>	Michelin	0	SESS Tyres	0	Avon Coopertire	1	MRF	1	Falken	2	Dunlop	2	Silverstone	3	Maxsport	3	Toyo	4	Pirelli	5	Yokohama	6	DMack	7	Kuhmo	7	GITI	8	Extreme Tyres	9	Hankook	9
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**Liste des fournisseurs de code barres
en Championnat d'Europe FIA des Rallyes Sportifs Historiques
*List of suppliers for barcodes
in the FIA European Historic Sporting Rally Championship***

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**Spécifications requises pour les code barres
en Championnat d'Europe FIA des Rallyes Sportifs Historiques
*Required specifications for the barcodes
in the FIA European Historic Sporting Rally Championship***

Type	
- Single barcodes:	
Material	
- Rubber compound	
- To be used after vulcanisation	
Size	
- Single barcodes:	different sizes
Uniqueness	
- Single barcodes:	only one existing number per piece
Colours	
- Single barcodes:	black on yellow background
Code	
- Interleaved 2 of 5 or Code 128	
- 5 digits	

**Spécifications requises pour les code barres pour pneumatiques
en Championnat FIA Formule E**
*Required specifications for the tyre barcodes
in the FIA Formula E Championship*

Type	
- Single barcodes:	
Material	
- Rubber compound	
- To be used before vulcanisation	
Size	
- Single barcodes:	different sizes
Uniqueness	
- Single barcodes:	only one existing number per piece
Colours	
- Single barcodes:	black on yellow background
Code	
- Code 39 or Code 128	
- 8 digits	

Liste des fournisseurs de puces RFID pour tous les championnats FIA
List of suppliers for RFID tags for all FIA Championships

Chip Manufacturer	Alien	Impinj		UCODE	HANA
Model Name	Higgs - 3	Monza 4	Monza R6P	7xm-1K	
RFID Protocol	Compatible with EPC C1G2 (ISO18000-6C) / UHF				
Frequency Range	860 ~ 960MHz				
EPC (UII) Memory - Lockable	96 bits	96 bits – locked (coding with SGTIN96 standard)		128 bits	448 bits
TID Memory - Locked	192 bits	32 bits - locked	128 bits	96 bits	96 bits
USER memory	512 bits	512 bits		64 bits	1024 bits