



**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
List of suppliers for barcodes for all FIA Championships**

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**SPECIFICATIONS REQUISES
POUR LES CODE BARRES POUR PNEUMATIQUES
REQUIRED SPECIFICATIONS
FOR THE TYRE BARCODES**

Type	
- Single barcodes:	
- Double barcodes:	
Material	
- Rubber base	
- To be used during 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:

Michelin	0
Avon Coopertire	1
Mentor Tyres	1
Falken	2
Dunlop/Goodyear	2
Silverstone	3
Maxsport	3
Toyo	4
Pirelli	5
Yokohama	6
DMack	7
Kuhmo	7
GITI	8
Hankook	9

**Liste des fournisseurs de code barres pour le Championnat d'Europe FIA
des Rallyes Sportifs Historiques**
**List of suppliers for barcodes for the FIA European Historic Sporting Rally
Championship**

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**SPECIFICATIONS REQUISES
POUR LES CODE BARRES POUR PNEUMATIQUES**
**REQUIRED SPECIFICATIONS
FOR THE TYRE BARCODES**

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	

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

Chip Manufacturer	Alien Higgs - 3	Impinj - Monza 4	Impinj - Monza 4	HANA	NXP - UCODE - G2X
RFID Protocol	Compatible with EPC C1G2 (ISO18000-6C) / UHF				
Frequency Range	860 ~ 960MHz				
EPC (UID) Memory - Lockable	96 bits	96 bits (coding with SGTIN96 standard) locked	96 bits (coding with SGTIN96 standard) locked	96 bits	240 bits
TID Memory - Locked	192 bits	32 bits - locked	128 bits	48 bits	64 bits
USER memory	512 bits	512 bits	512 bits	512 bits	512 bits