



KNAF CERTIFICATE NUMBER

928.1015

SAFETY CAGE CERTIFICATE FOR HISTORIC VEHICLES

In compliance with Appendix K

USE LIMITED TO SAFETY CAGES FOR HISTORIC VEHICLES

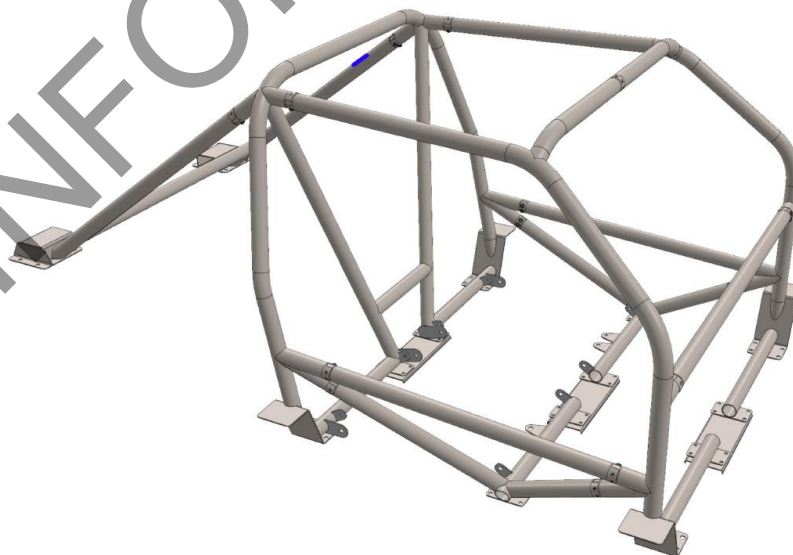
This Certificate is valid only for the Safety Cage bearing the Serial Number shown on Page 7 of 7

Safety Cage Manufacturer	<u>Verbaas Preparations</u>
Address	<u>Pad van Jongejan 2</u> <u>3261 CC Oud-Beijerland</u> <u>The Netherlands</u>
Phone n° + Email	<u>+31 (0)186-612397 / fminirally@gmail.com</u>

The structure shown on this form is manufactured for the following vehicle:

Make	<u>Marcos</u>	Model	<u>Mini Marcos 1300-GT</u>	Year/Model Identifier	<u>1968</u>
Vehicle Homologation Number(s)* *if applicable		<u>242</u>			

Drawing of front $\frac{3}{4}$ view of the Complete Structure showing the location of the identification plate

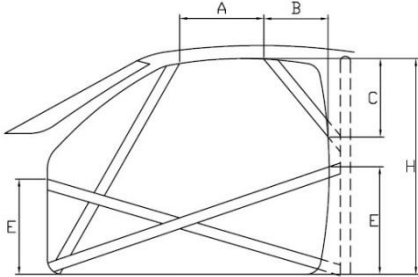


IT IS ACCEPTED BY ALL PARTIES AND ENTITIES CONCERNED WITH THIS DOCUMENT AND ITS CONTENT THAT,
IN THE LAST RESORT, THE FIA HOLDS FULL AUTHORITY TO TESTIFY TO THE REGULATORY VALIDITY OF THIS CERTIFICATE
IN CASE OF DIFFICULTIES REGARDING THE APPLICATION OR INTERPRETATION OF THE RULES
AND/OR REQUIREMENTS REFERRED TO ABOVE



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DETAILS OF STRUCTURE



A = n/a mm B = n/a mm
 C = n/a mm E = n/a mm
 H = n/a mm (E is highest figure only)

All Dimensions ± 5mm

Method of attachment to Body Shell	<u>Bolted</u>
Weight of Safety Cage, inc. fastenings	<u>39</u> kg

This document is valid only if fully completed and issued as a validated original document by **KNAF** (The issuing ASN). It must be presented, in full, on demand to FIA or ASN delegates or Technical Scrutineers of the Meeting (Competition). The authorisation of this form by the issuing ASN certifies that the structure shown herein complies with the basic strength and configuration requirements of the Appendix K. It does not certify that the structure complies with the requirements of any particular competition or technical regulations. **This certificate becomes invalid if the structure is modified in any way from the design shown herein.**

FOR THE USE OF THE ISSUING ASN ONLY	
The issuing ASN, having been satisfied that the Safety Cage design identified in this Certificate has been demonstrated to meet the requirements of Appendix K, certifies that the design of the Safety Cage Structure is valid for use, subject to the restrictions listed below, in all events sanctioned by the issuing ASN and International events sanctioned by the FIA.	
Name of Authorising Officer	<u>L. Bakker</u>
Position	<u>Project Manager</u>
Signed	
Date	<u>12</u> / <u>08</u> / <u>2020</u>
Remarks/Restrictions (For the use of the issuing ASN only)	
<u>FIA approved joints , type MSA DJ-01/16</u>	
<u>Design approved by FIA TWG</u>	

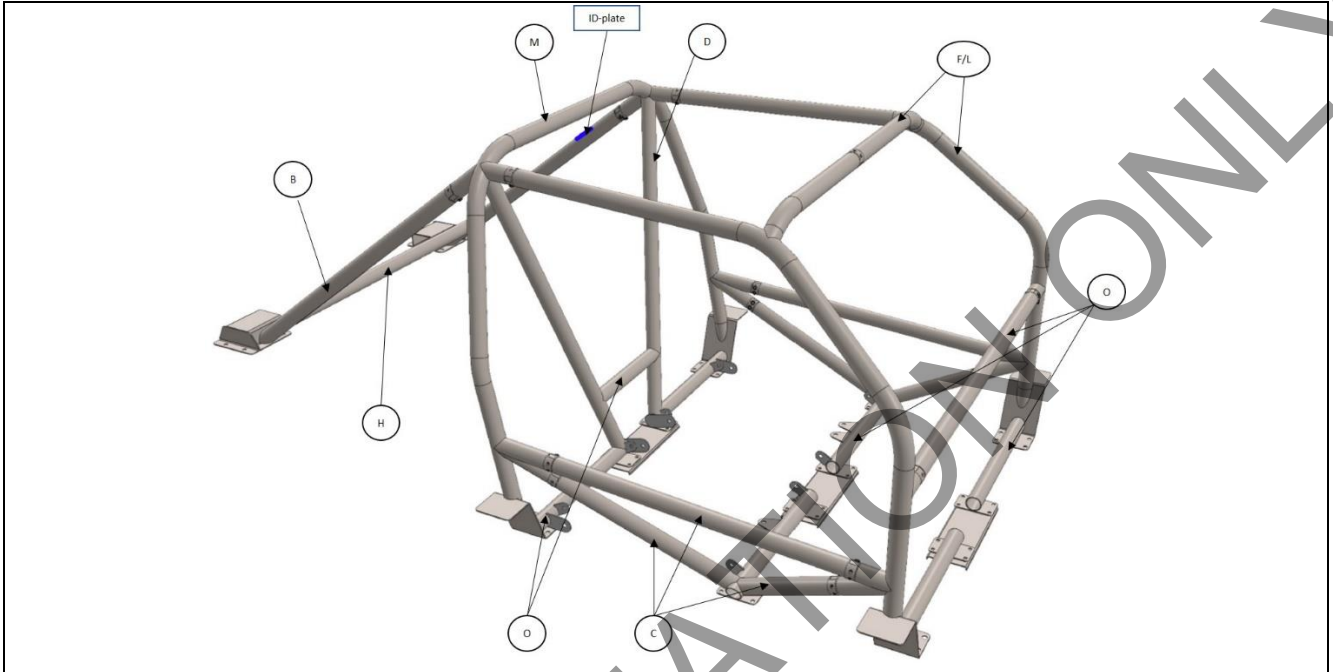




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LABELLED DRAWING OF THE SAFETY CAGE STRUCTURE SHOWING ALL TUBING DIMENSIONS



All Dimensions $\pm 0.1\text{mm}$		Show location of each type on drawing				
Tube / Member	Label	Grade of Steel	External Diameter (OD)	Wall Thickness	Min. Tensile Strength	
Main Rollbar	<u>M</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Front/Lateral Rollbar	<u>F/L</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Backstays	<u>B</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Main rollbar Diagonal members	<u>D</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Backstay Diagonal members	<u>D1</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Roof Reinforcements	<u>n/a</u>	<u>n/a</u>	n/a mm	n/a mm	n/a	N/mm ²
Doorbars	<u>C</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Windscreen Pillar Reinforcements	<u>n/a</u>	<u>n/a</u>	n/a mm	n/a mm	n/a	N/mm ²
Harness Bar	<u>H</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
Optional Reinforcements	<u>O</u>	<u>25CrMo4</u>	40 mm	2.0 mm	875	N/mm ²
			mm	mm		N/mm ²
			mm	mm		N/mm ²
			mm	mm		N/mm ²
			mm	mm		N/mm ²
			mm	mm		N/mm ²



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PHOTO 1
FRONT ¾ VIEW OF CAGE



PHOTO 2
REAR ¾ VIEW OF CAGE



PHOTO 3
VIEW FROM SIDE OF CAR



PHOTO 4
MAIN ROLLBAR TO FLOOR ATTACHMENT



PHOTO 5
REAR BACKSTAY TO BODYSHELL ATTACHMENT



PHOTO 6
FRONT ROLLBAR TO FLOOR ATTACHMENT





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PHOTO 7 – PERIOD J2 ONWARDS ONLY
FRONT ROLLBAR TO “A” PILLAR ATTACHMENT

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM HAS NO “A” PILLAR ATTACHMENT

PHOTO 8 – PERIOD J2 ONWARDS ONLY
MAIN ROLLBAR TO “B” PILLAR ATTACHMENT

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM HAS NO “B” PILLAR ATTACHMENT

PHOTO 9
ATTACHMENT TO FRONT SUSPENSION

ONLY PERMITTED IF PERIOD FITMENT ON MAKE AND MODEL AND PROVEN IN ACCORDANCE WITH ART. 4.5 TO APPENDIX VI OF APPENDIX K

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM DOES NOT HAVE AN ATTACHMENT TO THE FRONT SUSPENSION TOWERS

PHOTO 10
ANTI-INTRUSION DOORBAR - DRIVER



PHOTO 11
ANTI-INTRUSION DOORBAR – CO-DRIVER



PHOTO 12
SHOULDER HARNESS ATTACHMENT – DRIVER



PHOTO 13
SHOULDER HARNESS ATTACHMENT – CO-DRIVER



PHOTO 14
LOCATION OF IDENTIFICATION PLATE



PHOTO 15
DETAIL OF IDENTIFICATION PLATE



PHOTO 16
OTHER DETAILS OF CAGE



PHOTO 17
OTHER DETAILS OF CAGE



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V.I.N. or Chassis Identification Number	<u>n/a</u>
Safety cage identification Number	<u>928.1015</u>

MANUFACTURER'S DECLARATION AND DETAILS:

I declare that the Safety Cage Structure described on this form and fitted to the vehicle described above:

- was constructed and installed in accordance with the specifications and design shown herein.
- has been manufactured so that all aspects of the Safety Cage design, including configuration and strength requirements and welded and demountable joints and mountings, will be in conformity with the requirements of Appendix K.
- has been identified by an engraved plate bearing the name or logo of the manufacturer, the ASN Certificate number and a unique manufacturer's serial number.

Manufacturer's Name	<u>Verbaas Preparations</u>	Insert Manufacturer Stamp here
Address	<u>Pad van Jongejan 2</u> <u>3261 CC Oud-Beijerland</u> <u>The Netherlands</u>	
Phone n° + Email	<u>+31 (0)186-612397 /</u> <u>fminirally@gmail.com</u>	
Signature:	Insert signature here	
Name of Signatory:	<u>F.B. Verbaas</u>	

MANUFACTURER'S AGENT: (For Safety Cages installed by an Agent)

The following Agent is authorised to act on the manufacturer's behalf to install this Safety Cage design.

Agent's Name	<u>n/a</u>
Address	<u>n/a</u> <u>n/a</u> <u>n/a</u>
Phone n° + Email	<u>n/a</u>

Instructions to the installer of the Safety Cage

The ASN may list here any instructions it wishes to be followed for the processing of the certificate