



KNAF CERTIFICATE NUMBER

933 - 1136

SAFETY CAGE CERTIFICATE

In compliance with FIA Homologation Regulations for Safety Cages

USE PROHIBITED FOR SAFETY CAGES OF HISTORIC VEHICLES

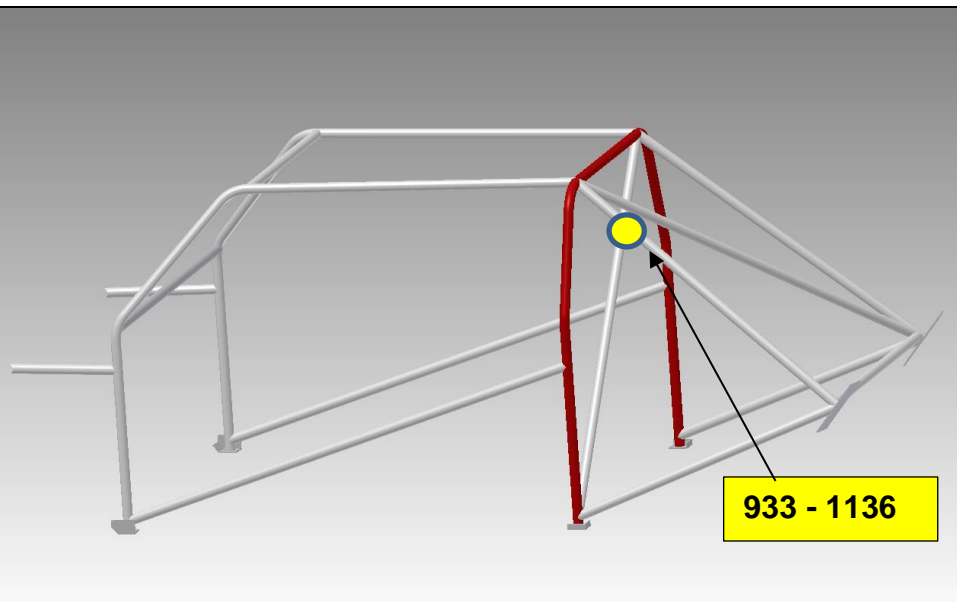
This Certificate is valid only for the Safety Cage bearing the Serial Number shown on Page 7 of 7

Safety Cage Manufacturer	<u>Biesheuvel Autosport</u>
Address	<u>Rijksweg 37</u> <u>4255 GE Nieuwendijk</u> <u>Netherlands</u>
Phone n° + Email	<u>0031 183 403400</u> <u>info@biesheuvel.nl</u>

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

Make	<u>OPEL</u>	Model	<u>ASCONA</u>	Year/Model Identifier	<u>1978</u>
Vehicle Homologation Number(s)* *if applicable		<u>5053</u>			

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

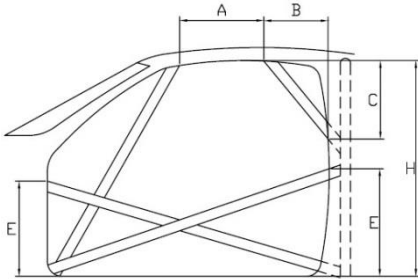




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DETAILS OF STRUCTURE



A = 610 mm B = mm
 C = mm E = 340 mm
 H = 920 mm (E is highest figure only)

All Dimensions ± 5mm

Method of attachment to Body Shell	<u>Welded</u>
Weight of Safety Cage, inc. fastenings	<u>55</u> kg

This document is valid only if fully completed and issued as a validated original document by the **KNAF** (The issuing ASN).

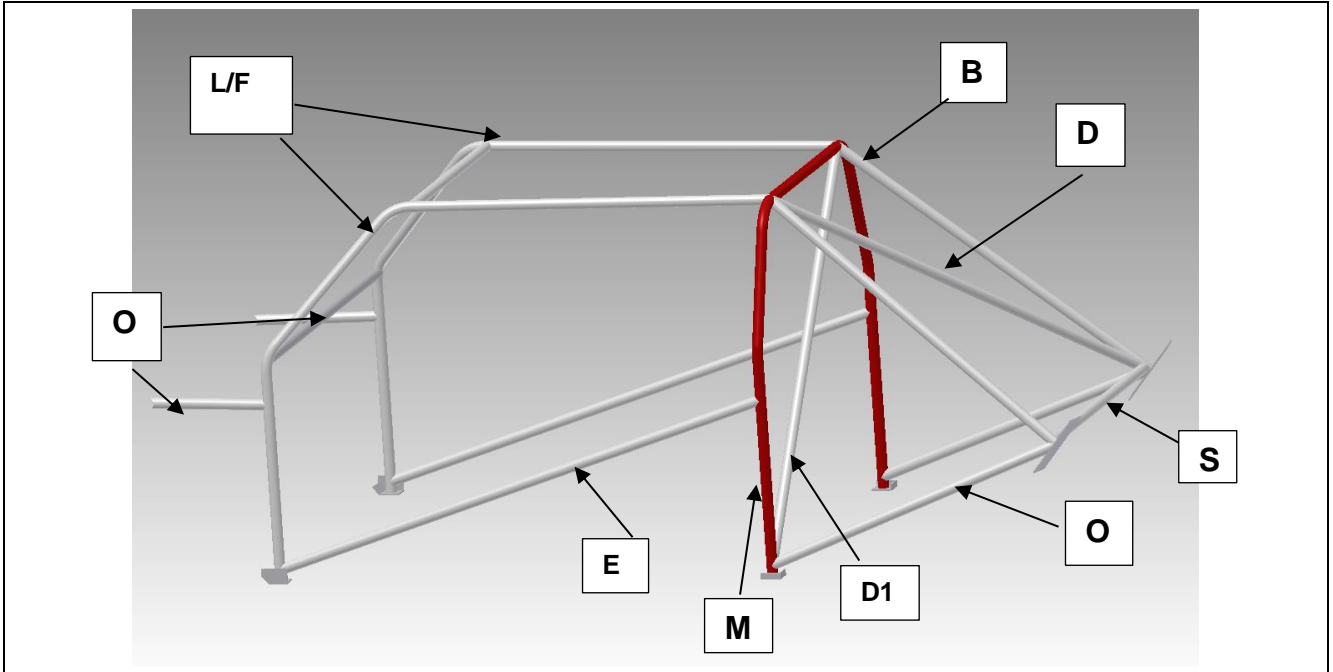
It must be presented, in full, on demand to FIA or ASN delegates or Technical Scrutineers of the Meeting (Competition). The authorisation of this form by the issuing ASN certifies that the structure shown herein complies with the basic strength and configuration requirements of the FIA Homologation Regulations for Safety Cages.

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 the FIA Homologation Regulations for Safety Cages, 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		
Position	_____	
Signed		
Date	____ / ____ / ____	
Remarks/Restrictions (For the use of the issuing ASN only)		
_____ _____ _____ _____ _____		

LABELLED DRAWING OF THE SAFETY CAGE STRUCTURE SHOWING ALL TUBING DIMENSIONS



All Dimensions ± 0.1mm		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>	E235EN/10305-1	45.0	mm	2.5	mm	442	N/mm ²
Front/Lateral Rollbar	<u>L/F</u>	E235EN/10305-1	40.0	mm	2.0	mm	398	N/mm ²
Backstays	<u>B</u>	E235EN/10305-1	40.0	mm	2.0	mm	398	N/mm ²
Main rollbar Diagonal members	<u>D</u>	E235EN/10305-1	40.0	mm	2.0	mm	398	N/mm ²
Backstay Diagonal members	<u>D1</u>	E235EN/10305-1	40.0	mm	2.0	mm	398	N/mm ²
Roof Reinforcements	<u>C</u>			mm		mm		N/mm ²
Doorbars	<u>E</u>	E235EN/103501-1	40.0	mm	2.0	mm	398	N/mm ²
Windscreen Pillar Reinforcements	<u>C1</u>			mm		mm		N/mm ²
Harness Bar	<u>S</u>	E235EN/10305-1	40.0	mm	2.0	mm	398	N/mm ²
OPTINAL TUBES	<u>O</u>	E235EN/10305-1		mm		mm	398	N/mm ²
OPTINAL TUBES				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

Total length of all tubes < 40 mm OD	mm	15 m maximum
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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

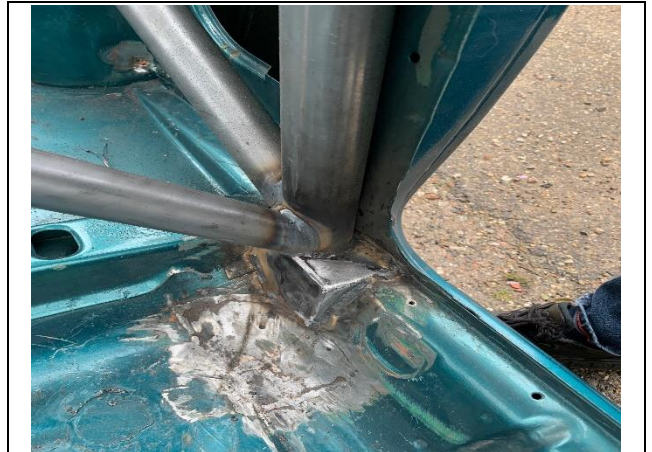


PHOTO 5
REAR BACKSTAY TO BODYSHELL ATTACHMENT



PHOTO 6
FRONT ROLLBAR TO FLOOR ATTACHMENT





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PHOTO 7
FRONT ROLLBAR TO "A" PILLAR ATTACHMENT

IF NO PHOTOGR



PHOTO 8
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

IF NO



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>8875239120</u>
Safety cage identification Number	<u>933 - 1136</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 the FIA Homologation Regulations for Safety Cages.
- 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>Biesheuvel Autosport</u>	Insert Manufacturer Stamp here
Address	<u>Rijksweg 37</u> <u>4255 GE Nieuwendijk</u> <u>Netherlands</u>	
Phone n° + Email	<u>0031 183 403400</u> <u>info@biesheuvel.nl</u>	
Signature:	Insert signature here	
Name of Signatory#:	<u>N Biesheuvel</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>GB Metaal Techniek</u>
Address	<u>Bredesteeg 2</u> <u>4255 GH Nieuwendijk</u> <u>Netherlands</u>
Phone n° + Email	<u>0031 622607952</u> <u>info@rolbeugels.nl</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



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SUPPLEMENTARY DOSSIER FOR CERTIFICATION FOR A SAFETY CAGE

Notice to Applicants: All information in this Supplementary Dossier will be treated as Confidential by **KNAF**, and no information on the present form will be released without the permission of the applicant, other than when requested by the FIA or statutory authorities.

ASN instructions here

Such Certificate will be invalid if the structure is modified in any way from the design shown herein.

MANUFACTURER'S DECLARATION AND DETAILS:

I declare that all Safety Cage Structures built to the design described on this form:

- will be constructed by me, or under my supervision, or by my authorised agent in accordance with the specifications and design shown herein.
- will be manufactured so that all aspects of the Safety Cage design, including configuration and strength requirements, welded and demountable joints and mountings, will be in conformity with the requirements of the FIA Homologation Regulations for Safety Cages.
- will be identified by an engraved plate bearing the name or logo of the manufacturer, the **KNAF** Certificate number and a unique manufacturer's serial number.

Name of Manufacturer	<u>Biesheuvel Autosport</u>	Insert Manufacturer Stamp here
Address	<u>Rijksweg 37</u> <u>4255 GE Nieuwendijk</u> <u>Nederland</u>	
Phone n° + Email	<u>0031 183 43400</u> <u>info@biesheuvel.nl</u>	
Signature	Insert signature here	
Name of Signatory	<u>N Biesheuvel</u>	
Date	___ / ___ / ___	



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TESTING CENTRE OR ENGINEERING COMPANY REPORT

If a report is required, please give details below, and submit the report with this application :

Name of Testing Centre recognised by the FIA or Company approved by the FIA for the calculation of safety cages	_____
Test report number	_____
Date of Test or Issue of Report	_____
Calculation report number	_____
Date of Calculation or Issue of Report	_____

MANUFACTURER'S DOSSIER

Your ASN may require you to submit a Manufacturer's Dossier, or provide other information if you have not previously been authorised to produce safety cages. Please contact your ASN to ascertain what requirements, if any, may be imposed prior to the issuing of this Certificate.