



TECHNICAL REPORT

No.:LCA 54 327 004 1

Inspection concerning the

ANCHORAGES FOR MOTOR-VEHICLE SAFETY BELTS

performed according to the Directive of the Council of the European Communities

No. 76/115/EEC

Seat type: **503**
Vehicle: **M1/N1**

Manufacturer of seats: **F.A.S.P. Tappezzeria**
Via Golgi, 27
I - 25064 Gussago (BS)

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1. **General**

1.1. **Test Provisions**

The inspection was carried out according to the requirements of the Council Directive of the European Communities 76/115/EEC including all amendments up to 96/38/EC of June 17, 1996 (except of point 4.3. concerning the minimum number of seat belts to be provided).

1.2. **General**

This report describes the test of the strength of the seat itself only. The verification concerning the seat installation and the strength of the vehicle chassis in relation with the seat belt system has still to be made.

1.3. **Information concerning the seat**

1.3.1. Type

503

1.3.2. Brief description of seat type

- *Double seat bench*
- *Welded steel construction*
- *Fixing of seat on floor: see information document*

1.3.3. Brief description of seat belt anchorages

- *3 point seat belt with retractor (Ar)*
- *anchorage points: see information document*

1.4. **Information concerning the vehicle**

1.4.1. Brief description of vehicle in which the seat can be mounted:

Vehicle category: MI/N1 (rear seats)



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2. Inspection and their results

2.1. Version of the tested vehicle

Following version has been used for testing (if not stated in part 1.2.2. of this report):

Not applicable

2.2. Inspection items

2.2.1. Test vehicle:

Rigid platform on which the seats have been fixed reproducing the loading geometry of the systems with which the vehicle is equipped.

2.2.2. Dimensional check:

An x-y-z measuring device was used to dimensionally check the location of all H-points, as well as the effective belt anchorages regarding their zone compliance.

2.2.3. Strength tests:

The loads were applied using a device comprising a series of hydraulic rams, to apply the safety belt anchorage loads.

2.3. Test results:

2.3.1. H-point location:

The location of the H-points were measured and found to conform with the 50 mm x 50 mm tolerance zones for their respective R-points as stated by the vehicle manufacturer.



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2.3.2. Quantity and design of safety belt anchorages:

3 point seat belt with retractor (Ar)

2.3.3. Strength tests:

Loads were applied as rapidly as possible, in accordance with the Directive. All anchorages sustained the test loads simultaneously for the required time, without rupture. After test, the minimum spacings for the effective lower belt anchorages and the location requirements for the effective upper belt anchorages were still in compliance with the Directive.

2.4. **Remarks**

2.3.1. General:

The inspection results are only applicable to the seat itself. The strength of the vehicle chassis to which the seat has to be fixed has not been tested.

2.4. **Test facilities**

All measuring and test equipment used to carry out the inspections is in accordance with the EEC-Directive stated in 1.1. of this report and with EN45001.



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3. **Evaluation of test results**

3.1. **Variants and equipment covered**

The test results carried out cover the following variants of the seat:

- *Seat as stated in manufacturer's document*

3.2. **Remarks**

- 3.2.1. not applicable




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4. **Statement of compliance**

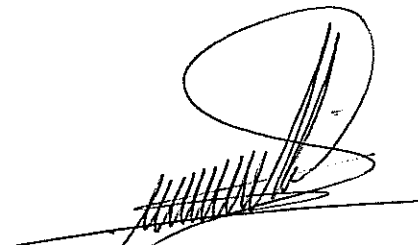
The inspection items and measurements carried out have shown the compliance of the vehicle type described in this report and the attached Annex with the requirements of the Council Directive of the European Communities 76/115/EEC including all amendments up to 96/38/EC of June 17, 1996 (except of point 4.3. concerning the minimum number of seat belts to be provided).

Esch/Alzette, July 27, 2001

Luxcontrol s.a.
Service Homologation-Automobile



Angelo Tomasini
Ingénieur inspecteur



Patrizio Vinciarelli
Ingénieur inspecteur

Annex



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Index to the information package, including a summary in chronological order,
concerning extensions and/or amendments

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Main Report

Technical Report No.: *LCA 54 327 004 1* *Page 1 to 7*

Composition of the Annex:

A: Index

Page 1

B: Information folder

Page 1 to 3

Index to the information folder

- manufacturer's information document (pages 1 to 3)

$$\overline{DR} = 315 + 1,8 \cdot S = 702$$

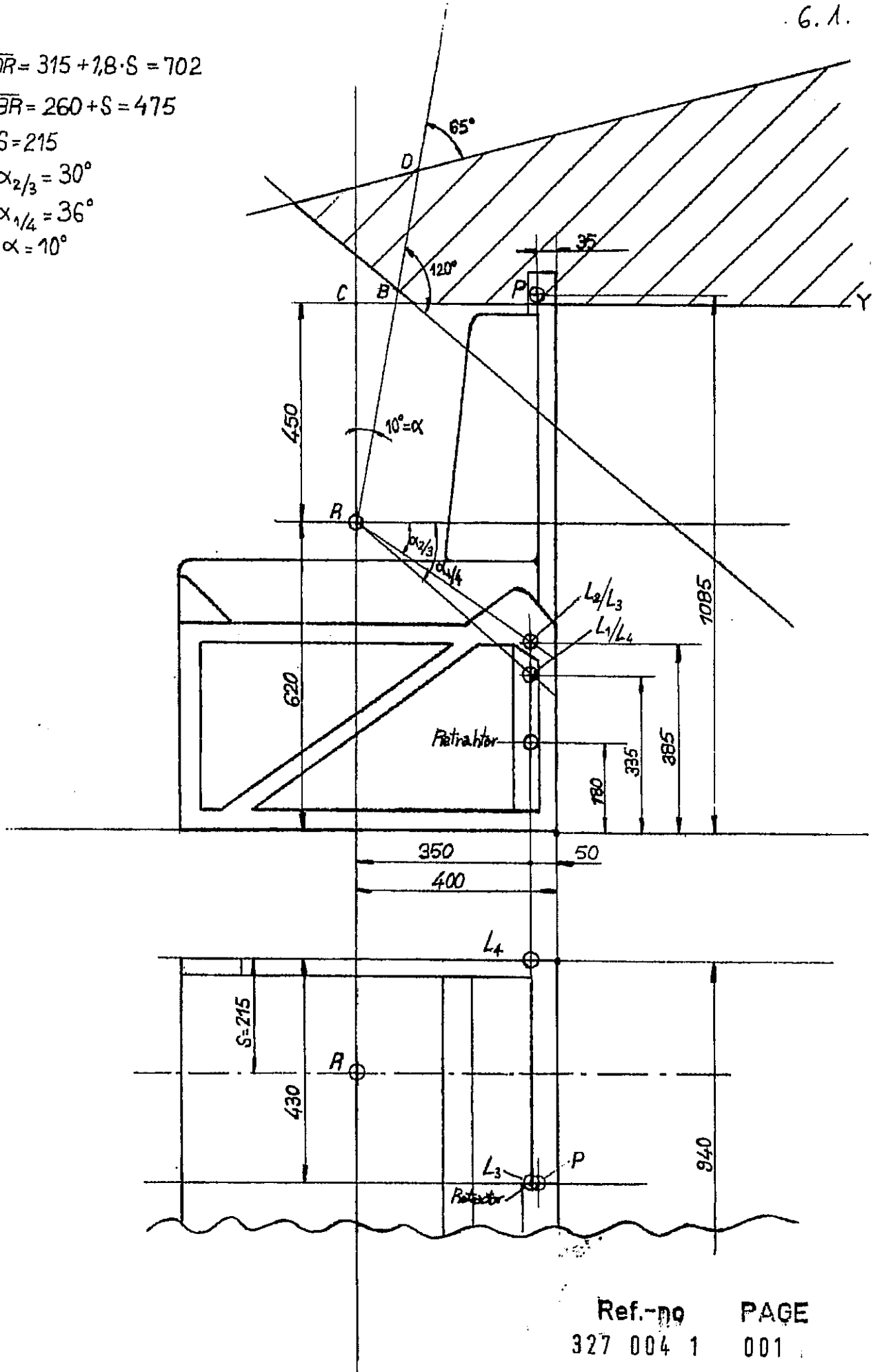
$$\overline{BR} = 260 + S = 475$$

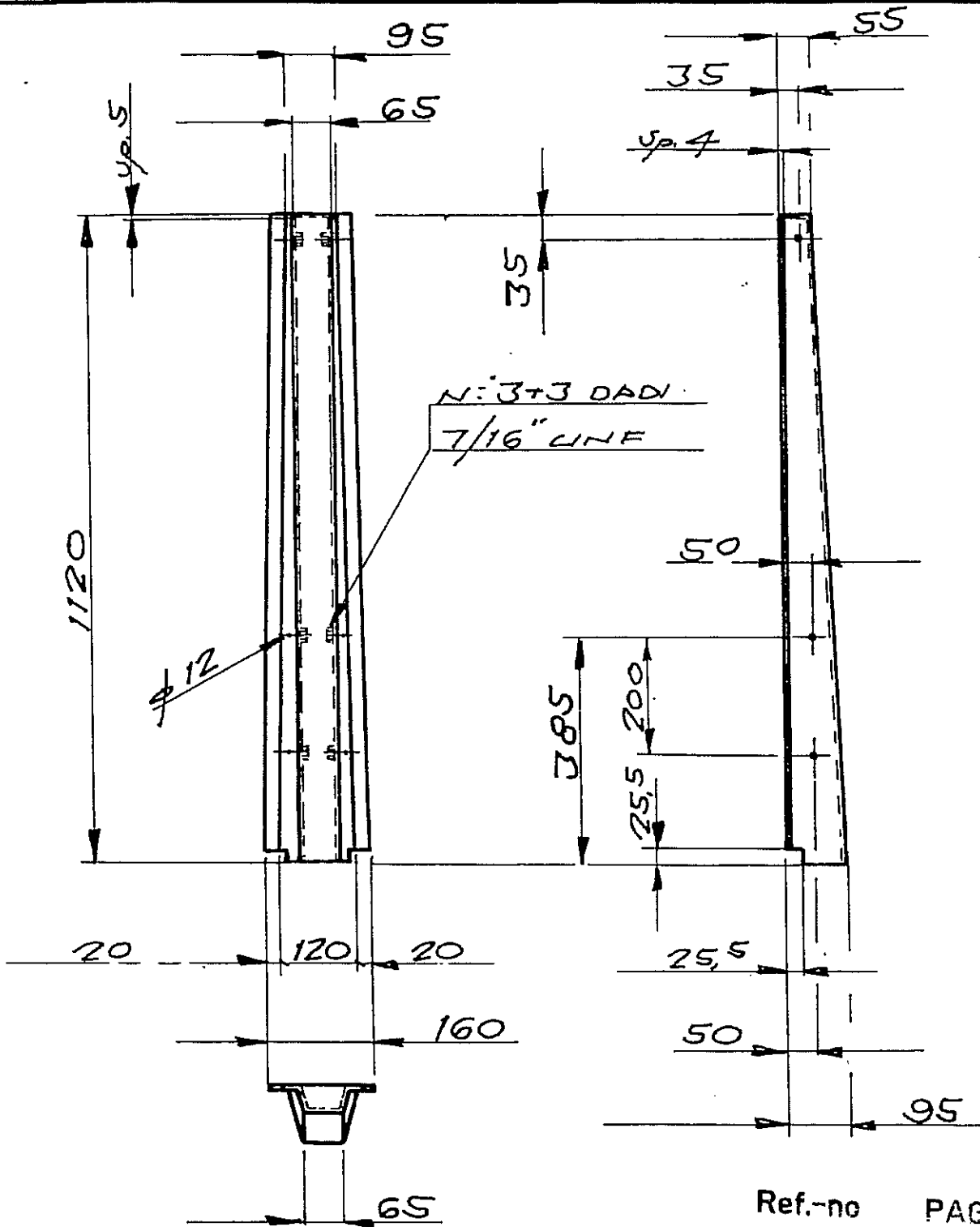
$$S = 215$$

$$\alpha_{2/3} = 30^\circ$$


$$\alpha_{1/4} = 36^\circ$$

$$\alpha = 10^\circ$$





Ref.-no PAGE
327 004 1 003

POS.	DENOMINAZIONE	Q.TÀ	DIS. N.	MATERIALE E NOTE	PESO UNIT.	
N.	MODIFICHE	ESEGUITA	DATA	 <p>FASP TRAPPEZZERIA S.R.L. INTERNI AUTOBUS - CAMPER - NAUTICA Via Golgi 27 - 25064 GUSSAGO (BS) Tel. (030) 2770153 - Fax (030) 2521749</p>		
1						
2						
3						
DESCRIZIONE				Q.TÀ	MATER.	TRATT. VERN. HERO
STAHLHOLM FÜR				1	FE 37B	HERO
UNTERGESTELL SITZBANK						
503 MIT 3-PUNKT SICHERHEITSGURT						
DATA	SCALA	DISEGN.	VISTO	DIS. N.	FOGLIO	
26.5.94	1:10	MASSI		2286/1	1	