THE NETHERLANDS
(N E D E R L A N D)

COMMUNICATION

Concerning [1]:

~~- approval granted~~
- approval extended
~~- approval refused~~
~~- approval withdrawn~~
~~- production definitely discontinued~~

of a type of safety-belt or restraint system for adult occupants of power-driven vehicles pursuant to Regulation number 16.

Approval number: E4-16R-0639221 **Extension number: 03**

Approval mark

Ar4m
E4
06 39221

1.	Restraint system	:	(with)/three-point belt / ~~lap belt / special type belt / fitted (with) energy absorber~~ / retractor / ~~device for height adjustment of the upper pillar loop~~ [2]
2.	Trade name or mark	:	
3.	Manufacturer's designation of the type of belt or restraining system	:	KS28AM.175
4.	Manufacturer's name	:	Quanzhou Kwok Shing Automobile Subassembly Co., Ltd.
5.	If applicable, name of his representative	:	Quanzhou Fuxing Plastic Hardware Co., Ltd.
6.	Address	:	Kwok Shing Mansion, Wanggong Industrial Area, Quanzhou City, Fujian Province, P.R. China
7.	Submitted for approval on	:	March 17,2009 March 02,2014 July 05,2014 June 10,2015

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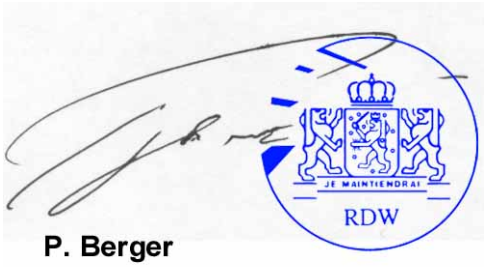
Vehicle Approval and Information

8.	Technical service responsible for conducting approval tests	: IDIADA Automotive Technology, S.A. L'Albornar, P.O. Box 20 43710 Santa Oliva (Tarragona) Spain
9.	Date of test report issued by that service	: April 03,2009 March 31,2014 July 16,2014 June 29,2015
10.	Number of test report issued by that service	: K109-A0-0309-2587 CN14030148 CN14070042 CN15050304
11.	Reason(s) of extension (if applicable)	: 1) To extend the version from 16.05 to 16.06.
12.	Type of device	: deceleration /~~acceleration~~ (1)
13.	Approval	: ~~granted/refused~~/extended/~~withdrawn~~ (1) / for general use / f~~or use in a particular vehicle or in particular types of vehicles~~ (1) (3)
14.	Position and nature of the marking	: Label stitched at lower outer sill anchor bracket on long end assembly
15.	Place	: Zoetermeer
16.	Date	: 14-JUL-2015
17.	Signature	:



P. Berger

18. Annexed to this communication is a list of documents in the approval file deposited at the administration services having delivered the approval and which can be obtained upon request.
- Application form, relating to ECE approval for a type of safety belt or restraint system pursuant to Regulation number 16.
- Description including drawings and specifications.
- Test report.

(1) Strike out what does not apply.
(2) Indicate which type.
(3) If a safety-belt is approved following the provisions of paragraph 6.4.1.3.3. of this Regulation, this safety-belt shall only be installed in an outboard front seating position protected by an airbag in front of it, under the condition that the vehicle concerned is approved to Regulation number 94, 01 series of amendments or its later version in force, or to the European Community Directive 96/79/EC.

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REPORT No. CN15050304

ACCORDING TO THE APPROVAL OF SAFETY BELTS FOLLOWING REGULATION 16.06/ECE EXTENSION III

Applicant	:	Quanzhou Kwok Shing Automobile Subassembly Co., Ltd Kwok Shing Mansion,Wanggong Industrial Area, Quanzhou City, Fujian Province,P.R.China.
Manufacturer	:	Quanzhou Kwok Shing Automobile Subassembly Co., Ltd,
Make	:	KS28( )
Type	:	KS28AM.175
Category	:	Ar4m
Place and date of issue of report	:	L'Albornar, Santa Oliva (Tarragona), 29/05/2015

CONCLUSIONS: Modifications introduced, as detailed in the Annex attached to this report, are extension of homologation with respect to formerly certified type performed by this technical department (Test Report No. K109-A0-0309-2587,,CN14030148**,**CN14070042) and **FULFIL** the requirements of seat belts according to Regulation No. 16.06/ECE. Supplement 05.

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Performed by

John Jiang
TEST ENGINEER

Revised by:

Lluís Sans Gomis
DEPARTMENT MANAGER

CN15050304

* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE
* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

EXTENSION REASON

INTRODUCED MODIFICATIONS

Extension reason:
1) To extend the version from 16.05 to 16.06.

ANNEX TO THE REPORT

Applicant	:	Quanzhou Kwok Shing Automobile Subassembly Co., Ltd Kwok Shing Mansion,Wanggong Industrial Area, Quanzhou City, Fujian Province,P.R.China.
Make	:	KS28( )
Type	:	KS28AM.175
Category	:	Ar4m
Reference of the sample tested	:	CN15050304
Sample reception date	:	10/05/2015

DYNAMIC TESTS CONDITIONING			
PARAGRAPH REFERENCE R-16.06	**TESTS**	**RESULTS**	
6.2.5.2.1, 6.2.5.3.1, 6.2.5.3.3, 7.6.2	Retractor locking threshold Vehicle sensibility **Retractor :Ar4m**	a (g) 3.0	d(mm) 21.3

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Place: Shanghai, China
Date: 22/05/2015

John Jiang
TEST ENGINEER

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TECHNICAL DOCUMENTATION

CN15050304

INFORMATION DOCUMENT No.: KS28AM.175-00

relating to EC component type-approval of safety belts and restraint systems (77/541/EEC) as last amended by Directve 2005/40/EC
ECE Regulation 16.05 Part I (component approval)

Extension reason:
1) To extend the version from 16.05 to 16.06.

0. GENERAL

0.1.	Make (trade name of manufacturer)	:	
0.2.	Type and general commercial description(s)	:	KS28AM.175
0.5.	Name and address of manufacturer	:	Quanzhou Kwok Shing Automobile Subassembly Co., Ltd., Kwok Shing Mansion, Wanggong Industrial Area, Quanzhou City, Fujian Province, P.R. China
0.6.	name of his representative	:	Quanzhou Fuxing Plastic Hardware Co., Ltd.
0.7.	In the case of components and separate technical units, location and method of affixing of the EC/ECE approval mark	:	Label stitched at lower outer sill anchor bracket on long end assembly.
0.8.	Address(es) of assembly plant(s)	:	Same as above item 0.5

1. LIST OF VEHICLE(S) TO WHICH THE DEVICE IS INTENDED TO BE FITTED (if applicable)

Make	:	---
Vehicle type	:	---
Vehicle category	:	---
Location	:	For general use

2. DESCRIPTION OF THE DEVICE

2.1. Safety belt

2.1.1.	Configuration of safety belt (two-point belt, three-point belt, static, automatic)	:	The assembly is of a three-point lap and diagonal configuration providing pelvic and upper torso restraint. The long end assembly comprises of an emergency locking retractor. The short end assembly comprises of a webbing type buckle assembly.
	Anchorage points	:	1 anchorage point for the upper outer fixing - running loop assembly 1 anchorage point for the lower outer fixing - fixing anchor bracket 1 anchorage point for the retractor, 1 anchorage point for the lower inner fixing - buckle assembly. All of the above anchorage points are located on the vehicle body structure.

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2.1.2. Details of webbing

Long-end assembly	:	
Length:	:	3650 ± 25 mm
Material	:	Polyester, Piece Dyed
Weaving pattern	:	1:2 Broken Twill (5 Panel)
Width	:	46.0 – 48.0 mm
Colour	:	07
Reference (P/N etc.)	:	A07
Buckle assembly	:	
Length:	:	343 ± 10 mm
Material	:	Polyester, Piece Dyed
Weaving pattern	:	1:2 Broken Twill (5 Panel)
Width	:	46.0 – 48.0 mm
Colour	:	07
Reference (P/N etc.)	:	A07

2.1.3. Type of retractor (designation of retractor as per item 1.1.3.2.2 of Annex III to Directive 77/541/EEC) : Ar4m
(Emergency locking retractor with multiple sensitivity)

Mechanism	:	KS28.120R.1
Vehicle Sensitivity	:	≤ 0.45g
Webbing Sensitivity	:	≥ 0.8g and ≤ 3.0g.
Inclination in relation to transversal plane	:	0°
Inclination in relation to longitudinal plane	:	0°
Reference	:	-

2.1.3.1. Information on additional functions, if applicable : Not applicable

2.1.4. Drawing of the rigid parts (as per item .1.2.1 of Annex I to Directive 77/541/EEC) :

Description	Part Number	Page
Retractor assembly	KS28.175.1-1	8
Slip guide assembly	KS28.51.1.7.2	9
Tongue assembly	KS28.KM.1.1.1	10
Belt anchor bracket	KS28.154B.1.1-1	11
Buckle mounting bracket	KS28AM.175.2-4	12
Retractor mounting bracket	KS28AM.175.1-2	13
Buckle connecting plate	KS28AM.175.2-2	14
Webbing details	-	15
E-mark label drawing	-	16

Note: Part numbers are moulded on the each part

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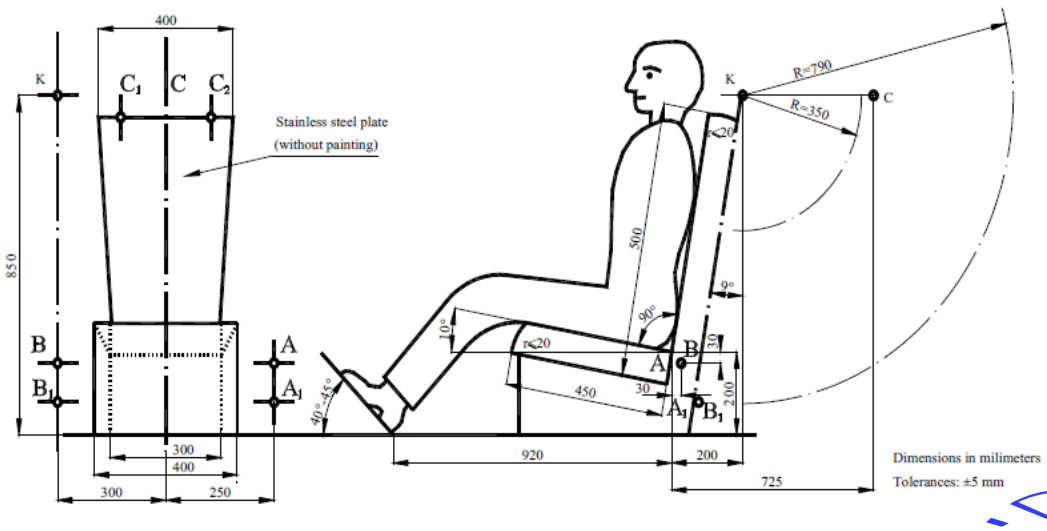
2.1.5. Diagram of the safety belt assembly enabling identification and location of rigid parts :

Description	Part Number	Page
Photograph of the safety-belt assembly	-	5
Long-end assembly	1B24982200004	6
Buckle assembly	1B24982200003	7

2.1.6. Mounting instructions showing, inter alia, the installation of the retractor and its sensing device :

Anchorage Point Details (Installation)



VEHICLE : For general use
SEAT POSITION : ---
SEAT MOVEMENT : ---
SEAT REFERENCE POINT : ---
RESTRAINT : N/A

Each anchorage points **in relation to H-point**	(Transverse) "X" – AXIS	(Longitudinal) "Y" – AXIS		(Horizontal) "Z" – AXIS
		LH	RH	
RETRACTOR	313.0	-394.3	394.3	-160.0
BUCKLE	289.0	233.0	-233.0	-249.0
HEIGER SLIP GUIDE	248,5	-376.0	376.0	694.0
ANCHOR BRACKET	340	-240	240	-300

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2.1.7.	If a device for adjusting the belt height is present, state whether it is considered to be part of the belt	:	Not applicable
	Travel	:	
	Number of positions	:	
	Assembly bolts	:	
2.1.8.	In the case of a pre-loading device or system, a full technical description of the construction and function including any sensing device, describing the method od activation and any necessary method to avoid inadvertent activation	:	Not applicable
2.2.	Restraint system		Not applicable
	In addition to the information required in 2.1 above		
2.2.1.	Drawing of the relevant parts of the vehicle and any seat anchorage reinforcements	:	
2.2.2.	Drawing of the seat, showing its structure, adjustment system and fixing components, with an indication of the material used	:	
2.2.3.	Drawing or photograph of the restraint system as installed	:	
2.3.	Child restraint system		Not applicable

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Note : This seat belt is not made up of materials with properties of Polyamide 6 as regards water retention.
These materials are prohibited in all mechanical parts for which such a phenomenon is likely to have an adverse effect on their operation.

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INFORMATION DOCUMENT No.: KS28AM.175-00

relating to EC component type-approval of safety belts and restraint systems (77/541/EEC) as last amended by Directve 2005/40/EC
ECE Regulation 16.05 Part I (component approval)

Photograph of the safety-belt assembly

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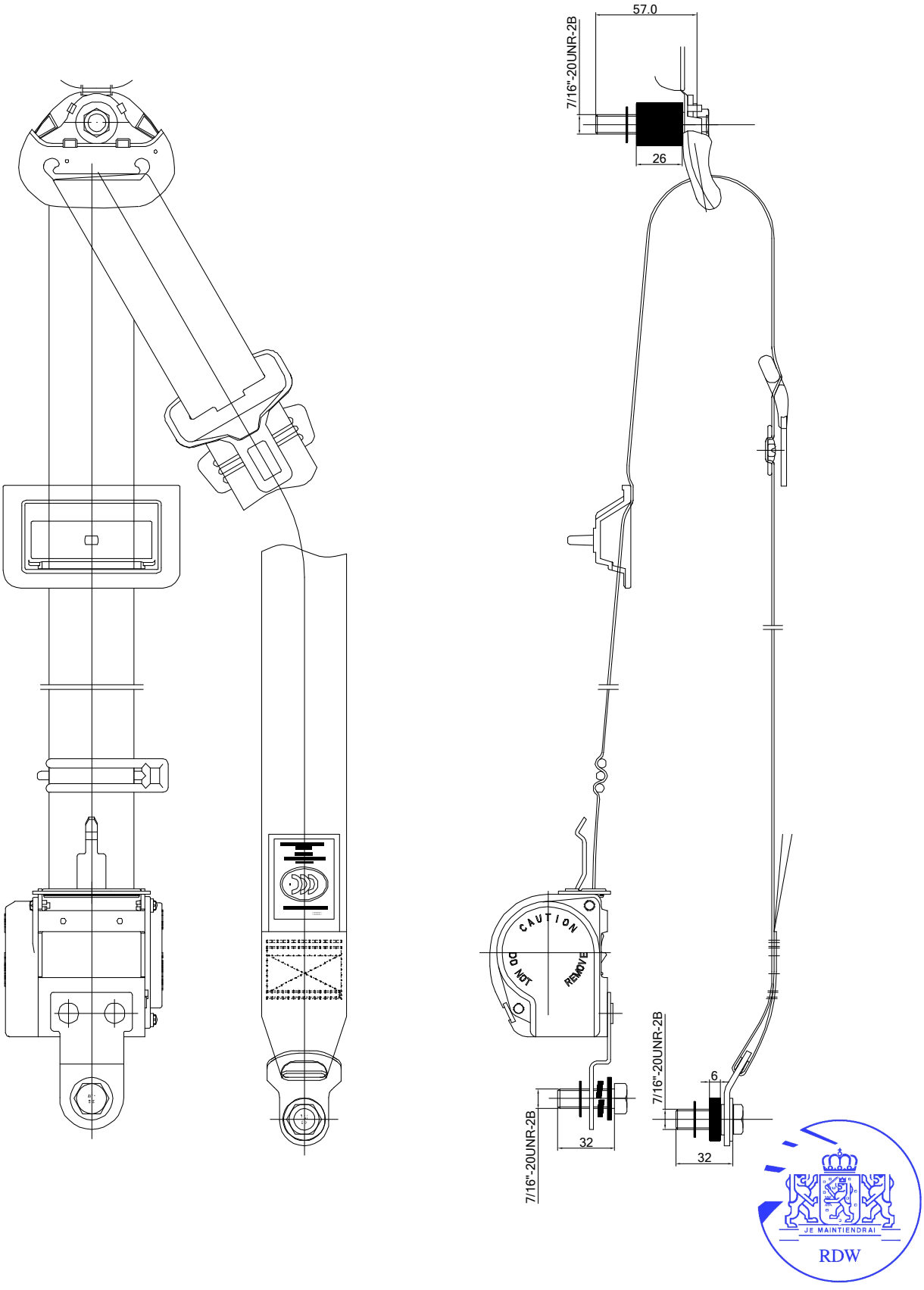
Long-end assembly



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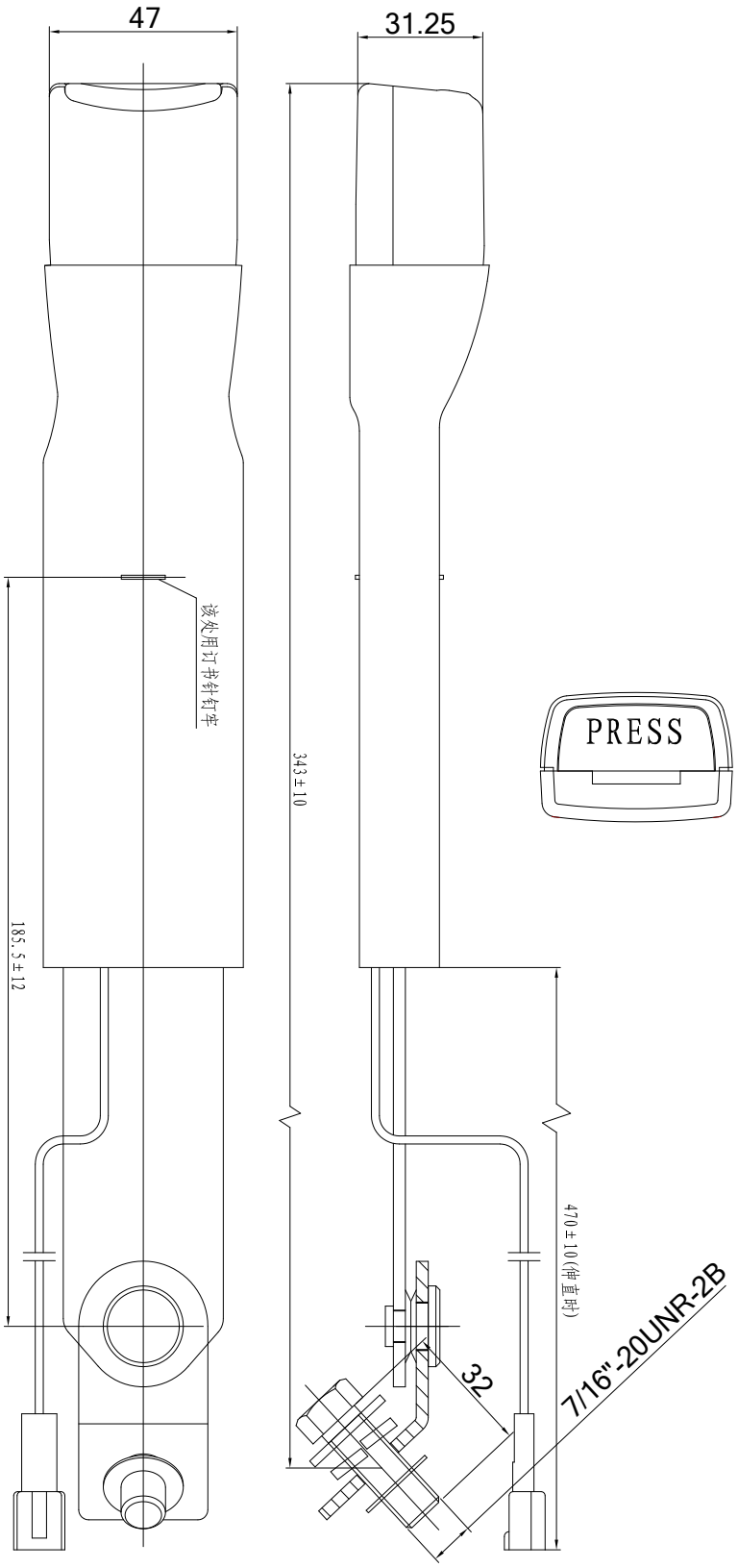
Buckle assembly



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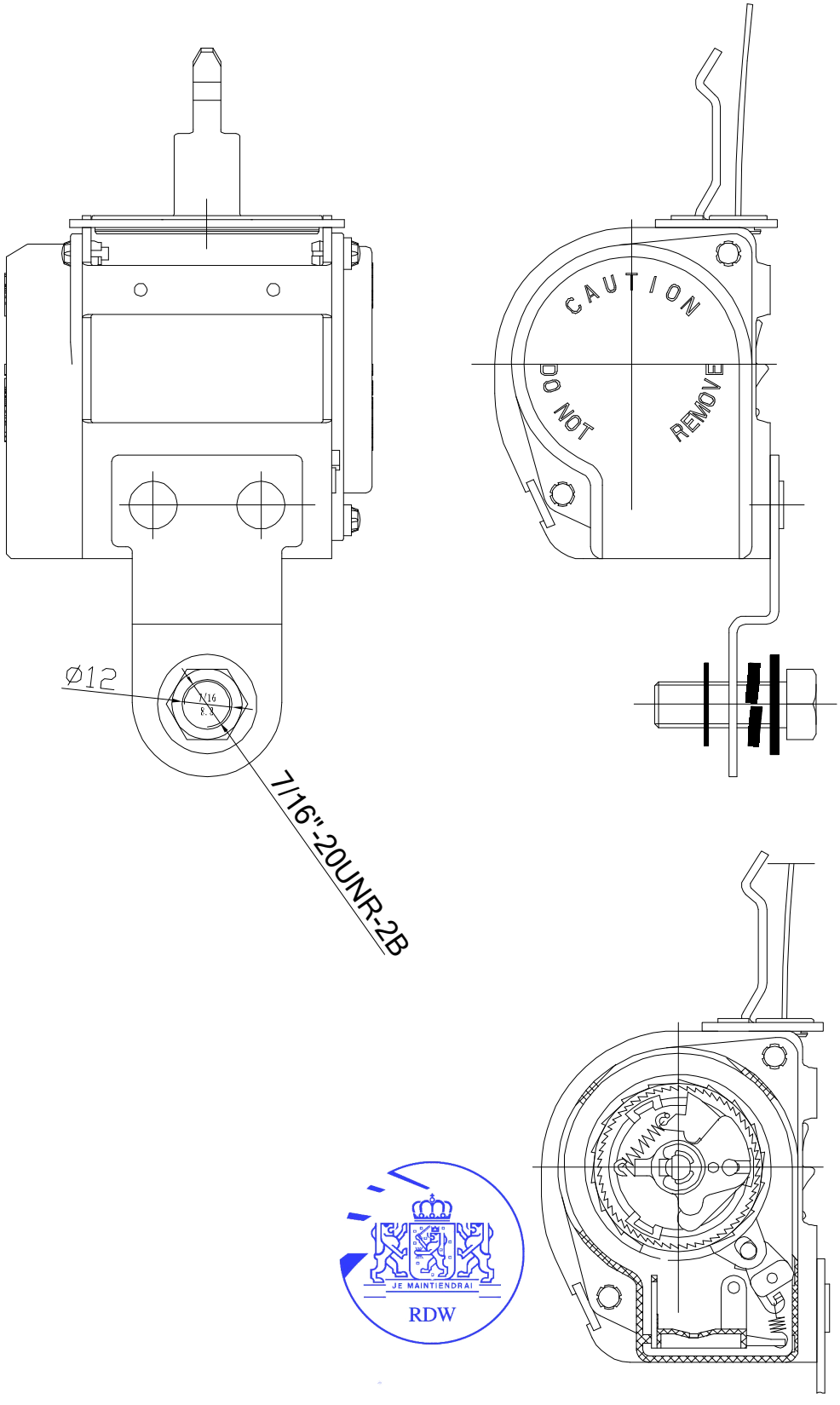
Retractor assembly



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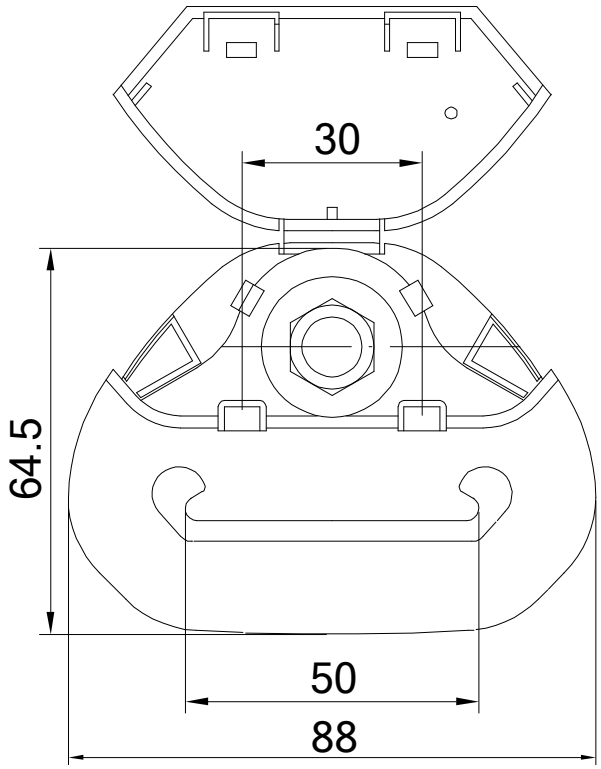
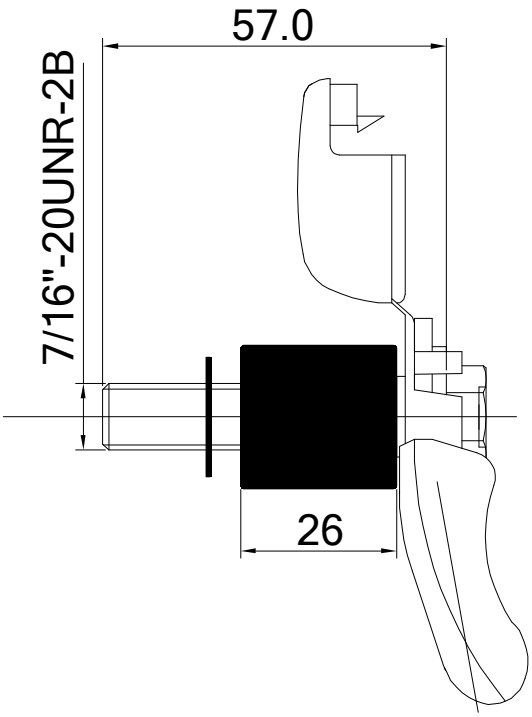
Slip guide assembly





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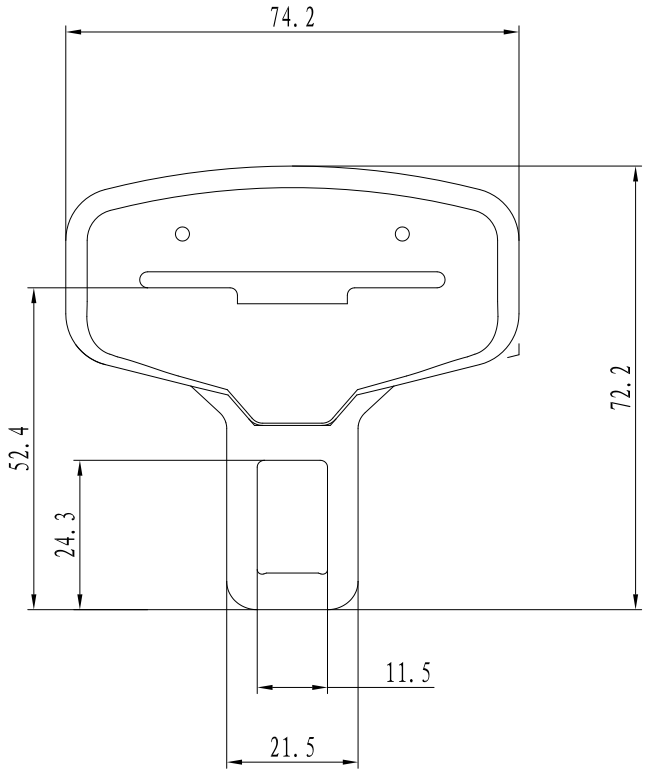
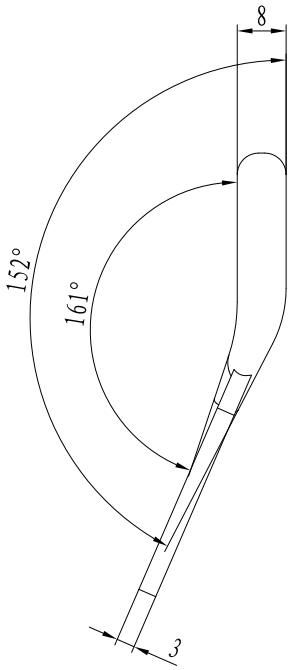
Tongue assembly





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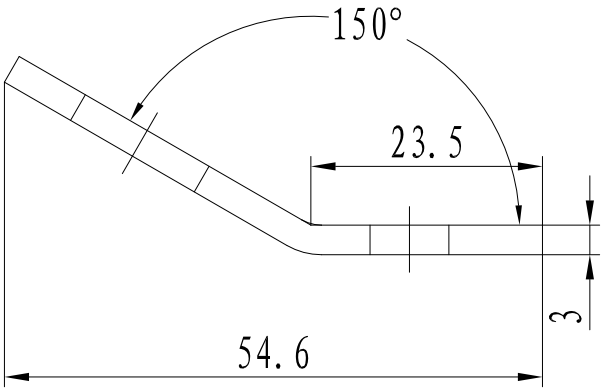
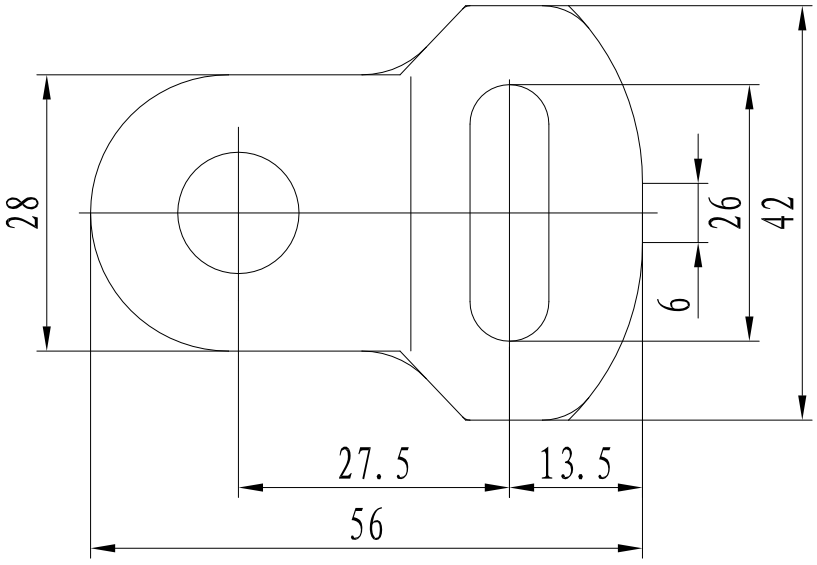
Belt anchor bracket





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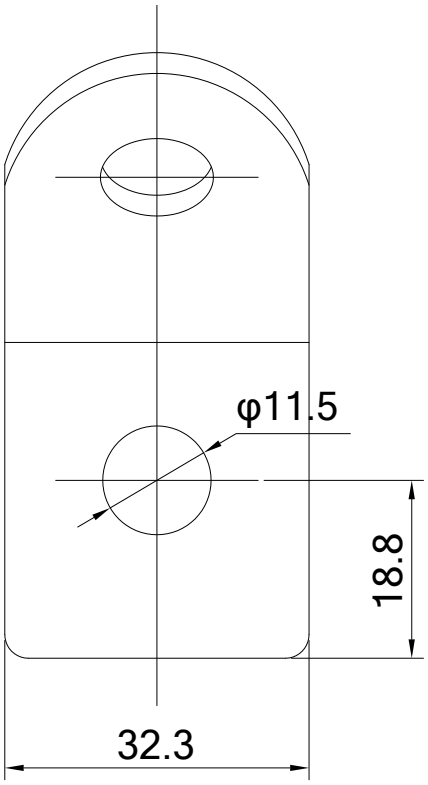
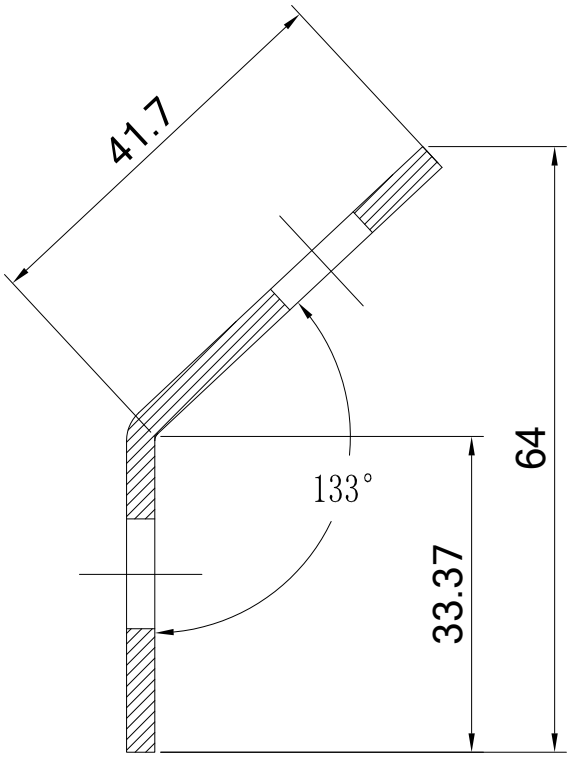
Buckle mounting bracket





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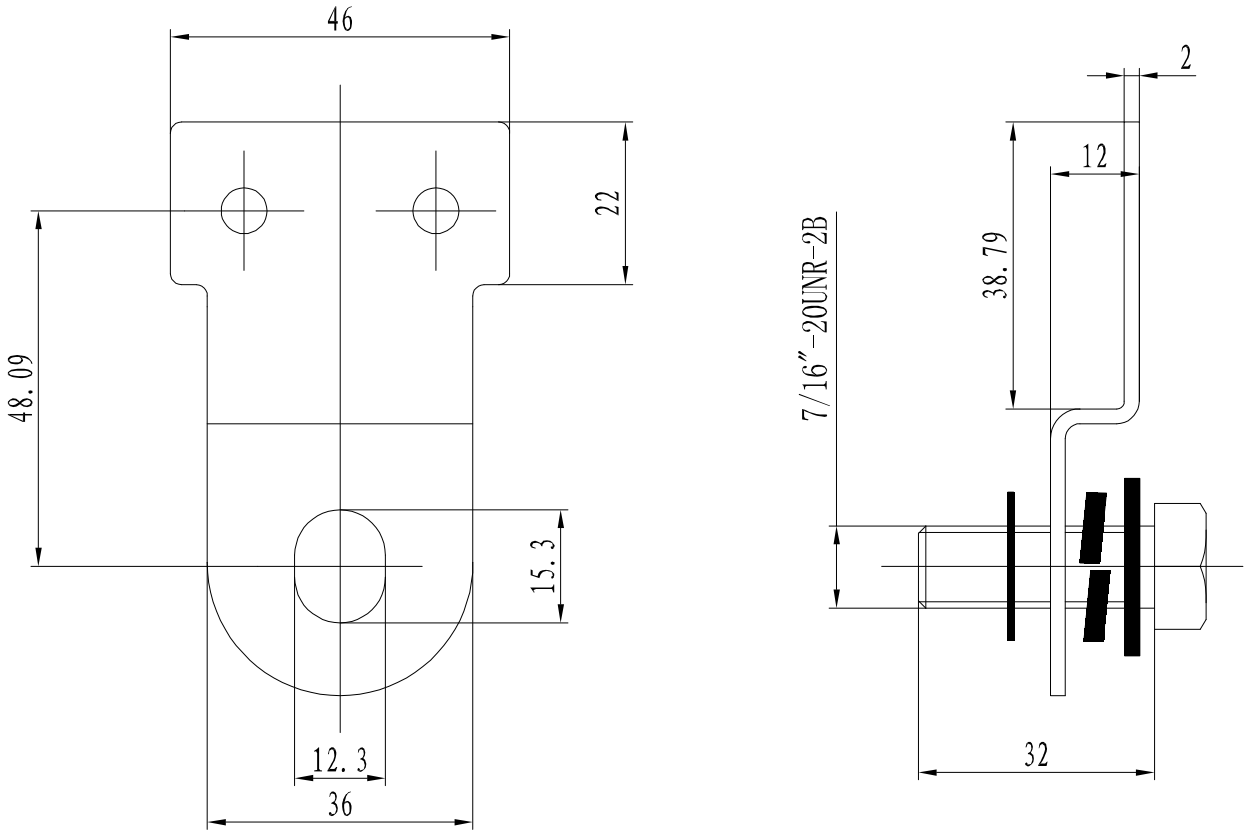
Retractor mounting bracket



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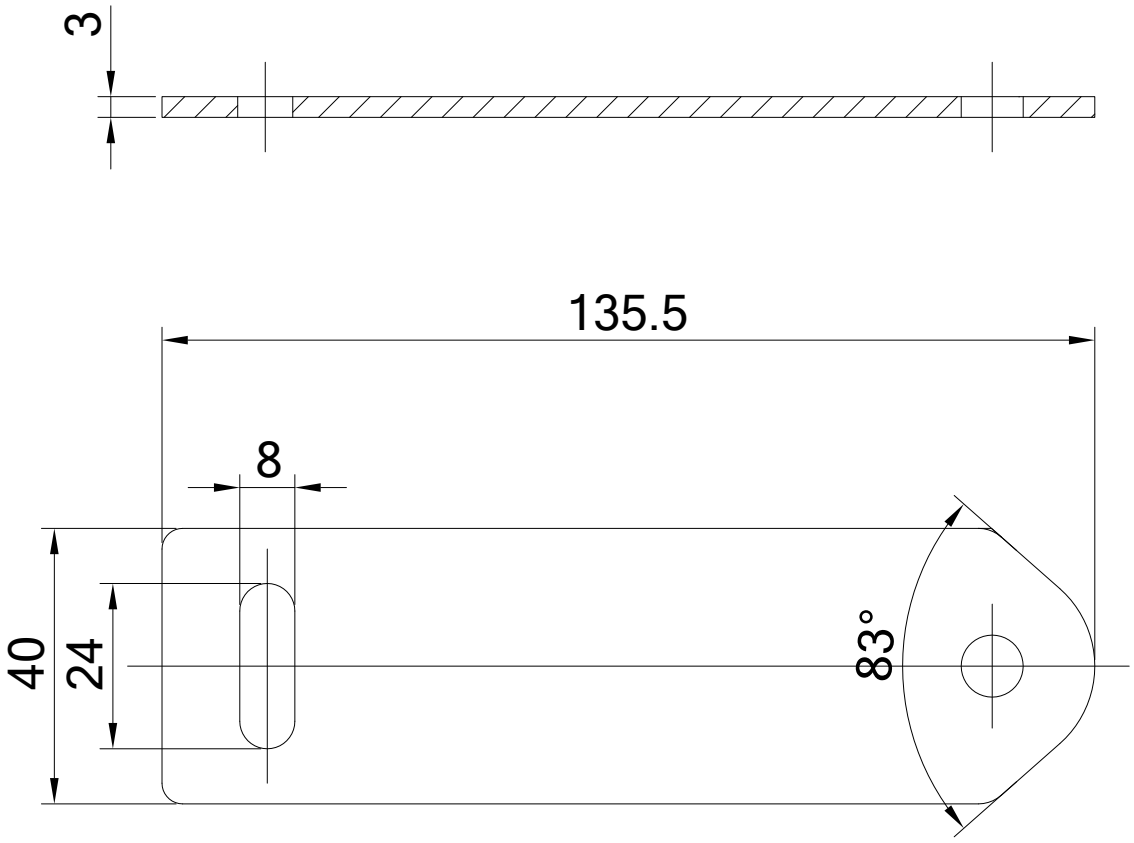
Buckle connecting plate



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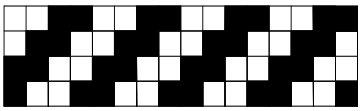
INFORMATION DOCUMENT No.: KS28AM.175-00

relating to EC component type-approval of safety belts and restraint systems (77/541/EEC) as last amended by Directve 2005/40/EC
ECE Regulation 16.05 Part I (component approval)

Webbing details

Material	Terylene
Webbing specification	A07
Color	07
Weaving pattern	
Warp yarn	1000dtex
Weft yarn	500dtex
Thread count	Warp: 380,Weft:18.8picks/inch
Width	46~48mmm
Thickness	1.05~1.15mm

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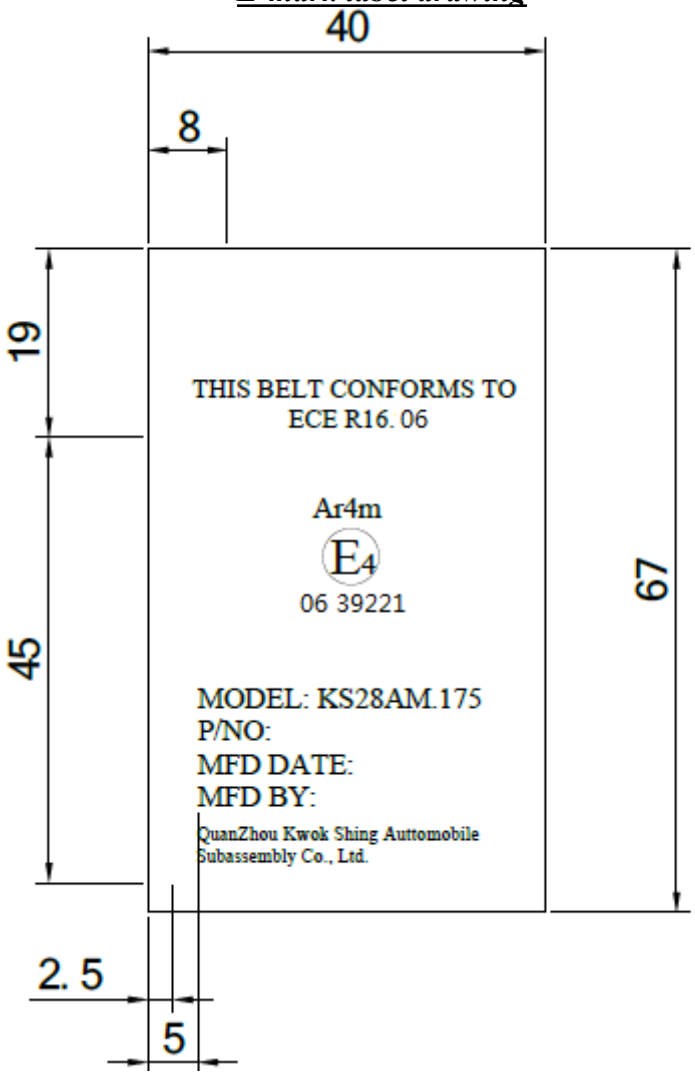
E-mark label drawing



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