

**THE NETHERLANDS**  
(N E D E R L A N D)**COMMUNICATION**Concerning <sup>(1)</sup>:

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- ~~approval withdrawn~~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


of restraining devices for child occupants of power-driven vehicles, pursuant to Regulation number 129.

**Approval number: E4\*129R01/02\*0021\*00**

- 1.1. Forward-facing Enhanced Child Restraint System/rearward-facing Enhanced Child Restraint System ~~lateral facing Enhanced Child Restraint System;~~
- 1.2. Integral/~~Non integral~~ <sup>(1)</sup>
- 1.3. Belt type : ~~(adult) three point belt/(adult) lap belt/~~  
special type belt/retractor <sup>(1)</sup>
- 1.4. Other features : chair assembly/~~impact shield~~ <sup>(1)</sup>
2. Trade name or mark : ROOMEYE, baby design, espiro, 乐檬
3. Manufacturer's designation of the Enhanced Child Restraint System : Pioneer-i
4. Manufacturer's name : Hangzhou Yuemeng Industry Co., Ltd.
5. If applicable, name of his representative : --
6. Address : Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City 311241, Zhejiang Province, P.R.China
7. Submitted for approval on : Feb. - July, 2018



**Approval number: E4\*129R01/02\*0021\*00**

8. Technical service conducting approval tests : SGS-TÜV Saar GmbH  
: Hofmannstr. 50  
D – 81379 München
9. Type of device : deceleration/~~acceleration~~<sup>(1)</sup>
10. Date of test report issued by that service : Sept. 03, 2018
11. Number of test report issued by that service : HOM ECN T18/064-00
12. Approval : granted/~~extended/refused/withdrawn~~<sup>(1)</sup> for size range 45cm to 105cm for i-Size ~~specific vehicle~~  
~~or for use as a 'special needs restraint', position in vehicle~~
13. Position and nature of the marking : Glued at base back
14. Place : Zoetermeer
15. Date : 18-OCT-2018
16. Signature :   
T. H. K. Spatz
17. The following documents, bearing the approval number shown above, are attached to this communication:
- (a) Drawings, diagrams and plans of the Enhanced Child Restraint System, including any retractor, chair assembly, impact shield fitted;
  - (b) Drawings, diagrams and plans of the vehicle structure and the seat structure, as well as of the adjustment system and the attachments, including any energy absorber fitted;
  - (c) Photographs of the Enhanced Child Restraint System and/or vehicle structure and seat structure;
  - (d) Instructions for fitting and use;
  - (e) List of vehicle models for which the restraint is intended.

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<sup>(1)</sup> Strike out what does not apply.

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# Technical Report

Test standard:  
**ECE-R 129**

Level of amendment:  
**Amendments 01, Supplement 02**

Title:  
**Enhanced Child restraint system**

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Manufacturer:  
**Hangzhou Yuemeng Industry Co., Ltd.**

Type:  
**Pioneer-i**

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Subject of testing:  
**Component**

**0 General**

0.1	Make (trade name of manufacturer):	Hangzhou Yuemeng Industry Co., Ltd.
0.2	Type:	Pioneer-i
0.2.1	Commercial description:	ROOMEYE, baby design, espiro, 乐檬
0.3	Means of identification of type, if marked on the vehicle:	Type designation
0.3.1	Location of that marking:	Lower back of the CRS
0.4	Category of vehicle:	n.a.
0.5	Manufacturer's name and address:	Hangzhou Yuemeng Industry Co., Ltd.  Dongfang Village, Guali Town Xiaoshan District, Hangzhou City, 311241 Zhejiang Province, China
0.8	Address of assembly plant:	Dongfang Village, Guali Town Xiaoshan District, Hangzhou City, 311241 Zhejiang Province, China
0.9	Name and address of representative:	n.a.
	Location of the ECE approval mark:	ECE approval mark glued at base back, module mark glued at chair back

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**1 Test record**

See appendix

**2 Attachments**

2.1 List of modifications: n.a.

2.2 Information folder: No.: YM/QSP JS-202

Name: Pioneer-i Information Document

Date of issue: 2018-08-06

### 3 Statement of conformity

The information folder as mentioned under no. 2.2 and the type described therein are in compliance with the test standard mentioned above.

With regard to the required level of performance to be achieved, the test specimen were representative for the type to be approved.

The tests were carried out in accordance to the relevant requirements of the

EN ISO/IEC 17025:2005     EN ISO/IEC 17020:2012

#### Test Laboratory SGS-TÜV Saar GmbH

notified by

Kraftfahrt-Bundesamt (KBA),  
Federal Republic of Germany

No. KBA - P 00084 – 10

Responsible expert

Dipl. Ing. Lincoln Lin

National Standards  
Authority of Ireland (NSAI)

No. 101

Sep. 03, 2018

Rijksdienst voor het Wegverkeer  
(RDW),  
The Netherlands

No. 99050064 00

Signature

Conformity check

Doris Yang

Sep. 04, 2018

Signature

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**Test record**

**1 Test conditions**

1.1 Test component

1.1.1 Type: Pioneer-i

1.1.2 Variant: n.a.

1.2 Test equipment

1.2.1 Parameter of the test area: In line with ECE-R129-01, article 7.1.3

1.2.2 Test equipment:  deceleration device  
 acceleration device

1.3 Features

1.3.1 Installation direction of the ECRS  Forward-facing ECRS  
 Rearward-facing ECRS  
 Lateral-facing ECRS (carry-cot)

1.3.2 Class of the ECRS  Integral  
 Non integral

1.3.3 Category of the Integral ECRS  i-Size ECRS  
 Specific Vehicle ISOFIX ECRS

1.3.4 Anti-rotation device use with:  A top-tether strap  
 A support-leg

1.3.5 Size range  40cm – 60cm  
 60cm – 75cm  
 75cm – 87cm  
 87cm – 105cm  
 105cm – 135cm  
 >135cm

**2 Test results**

**Numbers in [] are related to requirements of the UN Regulation**

**2.1 Checking of labels on the ECRS**  
**[4]**

2.1.1 [4.1]	Name or trade name	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.2 [4.2]	Year of production	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.3 [4.3]	ECRS orientation, Size range, maximum occupant mass, visibility of the marking	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.4 [4.4]	Warning Label "Airbag", material and fixation of the label	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.5 [4.5]	Warning Label of forward facing ECRS for child less than 15 months	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.6 [4.6]	Marking for Integral ECRS including ISOFIX Connections	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.6.1 [4.6.1]	i-Size ECRS Logo	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.6.2 [4.6.2]	Specific Vehicle ISOFIX ECRS. ISOFIX logo and user instruction	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.



2.1.6.3 Approval mark on ISOFIX base in case  fulfilled  
 [4.6.3] ECRS containing modules  Not fulfilled  
 n.a.

2.1.6.4 Module mark on the module of ECRS  fulfilled  
 [4.6.4]  Not fulfilled  
 n.a.

2.1.7 Additional Markings  fulfilled  
 [4.7]  Not fulfilled  
 n.a.

**2.2 Testing of general specifications on the ECRS**  
**[6]**

2.2.1 Positioning and securing in the vehicle  
 [6.1]

Seat position for ECRS in the i-Size category in the vehicle seat positions according manufacturer's instructions  fulfilled  
 Not fulfilled  
 n.a.

Seat position for CRS in the "specific vehicle ISOFIX" category  fulfilled  
 Not fulfilled  
 n.a.

2.2.1.2 Securing of the integral ECRS  
 [6.1.2]

2.2.1.2.1 For i-Size category, by means of two  fulfilled  
 [6.1.2.1] ISOFIX attachments with additional anti-rotation device  Not fulfilled  
 n.a.

2.2.1.2.2 For the "specific vehicle ISOFIX"  fulfilled  
 [6.1.2.2] category, secured to ISOFIX anchorages designed by the manufacturer  Not fulfilled  
 n.a.

2.2.1.2.3 [6.1.2.3]	The ECRS for children less than the age of 15 months shall be used reward-facing or lateral facing	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	- Rearward facing ECRS designed for children up to 15 months, minimum accommodated stature shall be 83cm	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	- Forward facing ECRS shall not accommodate the child stature below 76cm	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	- Convertible ECRS in rearward facing configuration shall accommodate a child with minimum stature 83cm. The stature can be greater than 83cm.	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2 [6.2]	Configuration of the CRS	
2.2.2.1 [6.2.1]	Configuration requirement	
2.2.2.1.1 [6.2.1.1]	Required protection in any intended position	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.2 [6.2.1.2]	Easy and quick installation and removal	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.3 [6.2.1.3]	Adjusting inclination of CRS shall not require manual readjustment of any other part of the ECRS	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.4 [6.2.1.4]	In the case of integral forward-facing ECRS, a crotch strap of harness belt system shall be required (as short as possible)	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.2.1.5 [6.2.1.5]	For all restraint devices utilizing a „lap strap“ must positively guide the „lap strap“ to ensure that the loads transmitted by the „lap strap“ are transmitted through the pelvis	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	The assembly shall be so designed that compression loads not be imposed on the crown of the child’s head	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.6 [6.2.1.6]	All straps of the restraint shall be so placed that they cannot cause discomfort to the wearer in normal use or assume a dangerous configuration, shoulder-straps do not touch the neck	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.7 [6.2.1.7]	When the crotch strap adjusts to its longest position, the lap strap shall not lie above the pelvis of both dummies of the approved size range, for forward-facing restraints, in any time the lap strap shall not lie above the pelvis of both dummies.	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.8 [6.2.1.8]	During the dynamic test, the lap belt shall not pass beyond the pelvic structure of the dummy prior to time of maximum horizontal head excursion.	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.1.9 [6.2.1.9]	ECRS adjuster device conditioning test shall be performed in advance on sample of worst case configuration of the dynamic test	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.2 [6.2.2]	Design and installation of the ECRS	
2.2.2.2.1 [6.2.2.1]	No damage to vehicle-seat covers or to occupants clothing	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.2.2.2 [6.2.2.2]	No belt rubbing on sharp edges	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.3 [6.2.3]	Any components not detachable designed shall only be removed by use of specific tools	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	Configuration of detachable parts shall be error-proofing designed	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	Harness belt shall be adjustable in its full range without disassembly	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.4 [6.2.4]	Terms of additional restraining devices of „Special Needs Restraints“	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.2.5 [6.2.5]	Terms for use of ECRS in any size range specified by the manufacturer	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.2.6 [6.2.6]	Terms for ECRS with inflatable elements	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.3 [6.3]	ECRS Specifications	
2.2.3.1 [6.3.1]	Material	
2.2.3.1.1 [6.3.1.1]	Conformity of toxicity of materials	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.3.1.2 [6.3.1.2]	Flammability declaration for conformity	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.2 [6.3.2]	General Characteristics	
2.2.3.2.1 [6.3.2.1]	Internal Geometric Characteristics	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.2.2 [6.3.2.2]	External Dimensions	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.2.3 [6.3.2.3]	Mass. The mass of ECRS combined with the mass of largest child shall not exceed 33kg.	14.8 kg <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.3 [6.3.3]	Regulations for ISOFIX Attachments	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.4 [6.3.4]	ISOFIX ECRS Top Tether Strap Specifications	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.3.5 [6.3.5]	i-Size ECRS Support-leg and foot Requirements	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.5.1 [6.3.5.1]	Support leg and Foot Geometrical Requirements	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.3.5.2 [6.3.5.2]	Support leg Foot Adjustability Requirements	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.5.3 [6.3.5.3]	Support-leg Foot Dimensions	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.3.5.4 [6.3.5.4]	Terms of Support-leg Foot Jig	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.4 [6.4]	Control of Markings	See no. 2.1
2.2.5 [6.5]	Check of instructions on installation and use	See no. 2.5
2.2.6 [6.6]	Provisions applicable to the assembled restraint	
2.2.6.1 [6.6.1]	Resistance to corrosion	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.6.2 [6.6.2]	Energy absorption	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	deceleration of internal surfaces in accordance with annex 13, Desired value < 60 g	16.02 g
	lining in accordance with annex 14 bullet 1	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	side wing in accordance with annex 14 bullet 2	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.6.3    Overturning  
[6.6.3]

Mass of the manikin [kg]	Anchorage	maximum moving of the manikins' head from its original position in a vertical direction relative to the test seat specified value $\leq 300$ mm with additional 4 times load of dummy weight			
		forward	rearward	left	Right

Q0 Rear facing	H <sub>1</sub> , H <sub>2</sub>	40	40	40	30
Q1.5 Rear facing	H <sub>1</sub> , H <sub>2</sub>	33	50	40	40
Q1.5 Forward facing upright	H <sub>1</sub> , H <sub>2</sub>	30	30	30	20
Q3 Forward facing upright	H <sub>1</sub> , H <sub>2</sub>	40	30	30	20

2.2.6.4    Dynamic test – measured values see annex A  
[6.6.4]

2.2.6.5    Resistance to temperature  
[6.6.5]

x	fulfilled
	Not fulfilled
	n.a.

2.2.7       Provisions applicable to individual components of the restraint  
[6.7]

2.2.7.1    Buckle  
[6.7.1]

x	fulfilled
	Not fulfilled
	n.a.

2.2.7.1.1 The buckle shall so designed  
 [6.7.1.1]

incorrect handling excluded	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
impossibility for the buckle to be left in partially closed position	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
impossibility to exchange the buckle parts	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
the buckle must only lock when all parts are engaged	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
minimum width wherever the buckle is in contact with the child	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
for "Special Needs Restraint" CRS only the buckle on the primary means of restraint need comply with the requirements of paragraphs 6.7.1	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.



2.2.7.1.2 [6.7.1.2]	Requirements to the buckle handling	
	even when not under tension, the buckle shall remain closed in whatever its position	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	easy to operate and to grasp	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	open it by pressure on a button or on a similar device	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	dimension of the pressure surface for enclosed facilities not less than 15mm width and a surface with at least 4.5 cm <sup>2</sup>	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
	measurements of the pressure surface for non-enclosed facilities not less than 10 mm width and a surface with at least 2.5 cm <sup>2</sup>	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.3 [6.7.1.3]	The buckle release area shall be colored red, no other part shall be red	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.4 [6.7.1.4]	Possibility to release the child from the restraint by a single operation after shoulder strap positioner released	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	Child can be removed with CRS by operation of a maximum of two buckles for infant carrier/ carry-cot	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.4.1 [6.7.1.4.1]	Shoulder strap Positioner	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.

2.2.7.1.4.2 [6.7.1.4.2]	Easy to operate and to grasp, open by one simple action, difficult for child occupant to release the device	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.7.1.4.3 [6.7.1.4.3]	Shoulder strap positioner Height <60mm	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.7.1.5 [6.7.1.5]	Opening of the buckle shall enable the child to be removed from the CRS	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
	crotch strap shall be released by operation of the same buckle	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.6 [6.7.1.6]	The buckle shall be capable of withstanding 5000 opening and closing cycles under normal conditions and the temperature test operation requirements given in paragraph 7.2.7	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.7 [6.7.1.7]	Buckle tests of opening force	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.7.1 [6.7.1.7.1]	Test under load –measuring values see annex A	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.7.2 [6.7.1.7.2]	Test no load; (Desired value, 40 - 80 N)	<b>50N</b> <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.8 [6.7.1.8]	Strength	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.7.1.8.1 [6.7.1.8.1]	No part of the buckle or the adjacent or adjusters shall break during the test of strength	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.8.2.1 [6.7.1.8.2.1]	Buckle shall withstand 4000 N for mass limit less or equal to 13 kg	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.7.1.8.2.2 [6.7.1.8.2.2]	Buckle shall withstand 10000 N for mass greater than 13 kg	<input type="checkbox"/> 1 16207 N <input type="checkbox"/> 2 16350 N <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.1.8.3 [6.7.1.8.3]	The competent authority may dispense with the buckle strength test if informations are already available	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2 [6.7.2]	Adjusting device	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2.1 [6.7.2.1]	The range adjustments shall be appropriate for all size of which the device is intended and to permit satisfactory installation in all specific vehicle models	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2.2 [6.7.2.2]	All adjusting devices of the type „quick adjuster“ (except that adjusting devices used only for the initial installation of the restraint in the vehicle)	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2.3 [6.7.2.3]	Easy to reach „quick adjuster“ when the child restraint is correctly installed and child or manikin is in position	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.2.7.2.4 [6.7.2.4]	Quick adjuster shall be easily adjustable to the child's physique, Desired value < 50 N	40 N <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2.5 [6.7.2.5]	Microslip (desired value < 25 mm for single) according to paragraph 7.2.3; temperature test operation requirements given in paragraph 7.2.7.1	0 mm <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2.6 [6.7.2.6]	Neither breaking nor detaching of the adjustment device when tested in paragraph 7.2.2.1	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.2.7 [6.7.2.7]	CRS central adjuster is capable of withstanding 5000 repeated operations before dynamic test according to article 8.2.7	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.3 [6.7.3]	Retractors	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.2.7.4 [6.7.4]	Straps – see annex B	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.5 [6.7.5]	ISOFIX attachment specifications	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.2.7.5.1 [6.7.5.1]	ISOFIX attachment and latching indicators is capable of withstanding 2000 repeated operations before dynamic test	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

- |                                     |   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
|-------------------------------------|---|---|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|-------------------------------------|-----------|--------------------------|---------------|--------------------------|------|
| 2.2.7.5.2<br>[6.7.5.2]              | ISOFIX attachments with locking mechanism shall complies with requirement specified in (a) or (b) as follows:<br>(a) Release the seat require 2 consecutive actions, the first action should be maintained and second is carried out;<br>(b) Release opening force ISOFIX attachment > 50 N | <table border="0" style="width: 100%;"> <tr><td><input checked="" type="checkbox"/></td><td>fulfilled</td></tr> <tr><td><input type="checkbox"/></td><td>Not fulfilled</td></tr> <tr><td><input type="checkbox"/></td><td>n.a.</td></tr> </table><br><table border="0" style="width: 100%;"> <tr><td style="text-align: center;">51 N</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>fulfilled</td></tr> <tr><td><input type="checkbox"/></td><td>Not fulfilled</td></tr> <tr><td><input type="checkbox"/></td><td>n.a.</td></tr> </table> | <input checked="" type="checkbox"/> | fulfilled                           | <input type="checkbox"/> | Not fulfilled            | <input type="checkbox"/> | n.a.                     | 51 N | <input checked="" type="checkbox"/> | fulfilled | <input type="checkbox"/> | Not fulfilled | <input type="checkbox"/> | n.a. |
| <input checked="" type="checkbox"/> | fulfilled   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input type="checkbox"/>            | Not fulfilled   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input type="checkbox"/>            | n.a.  |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| 51 N                                |   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input checked="" type="checkbox"/> | fulfilled   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input type="checkbox"/>            | Not fulfilled   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input type="checkbox"/>            | n.a.  |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| 2.2.8<br>[6.8]                      | Classification. Any size range be covered should be fulfilled the requirements.   | <table border="0" style="width: 100%;"> <tr><td style="text-align: center;">45- 105 cm</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>fulfilled</td></tr> <tr><td><input type="checkbox"/></td><td>Not fulfilled</td></tr> <tr><td><input type="checkbox"/></td><td>n.a.</td></tr> </table>  | 45- 105 cm                          | <input checked="" type="checkbox"/> | fulfilled                | <input type="checkbox"/> | Not fulfilled            | <input type="checkbox"/> | n.a. |                                     |           |                          |               |                          |      |
| 45- 105 cm                          |   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input checked="" type="checkbox"/> | fulfilled   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input type="checkbox"/>            | Not fulfilled   |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |
| <input type="checkbox"/>            | n.a.  |   |                                     |                                     |                          |                          |                          |                          |      |                                     |           |                          |               |                          |      |

**2.3**                    **Test report of approval**  
**[8]**

- |                |   |                     |
|----------------|---|---------------------|
| 2.3.1<br>[8.1] | Documentation of test result and measurements   | See annex A         |
| 2.3.2<br>[8.2] | Placement of CRS anchorage at the test trolley  | See annex A         |
| 2.3.3<br>[8.3] | Fixing of the vehicle structure on the test-trolley, CRS positioning and placement in the vehicle structure | See annex A         |
| 2.3.4<br>[8.4] | Check of markings and instructions on installation and use  | See no. 2 and no. 6 |

**2.4**                    **Qualifying the Production of ECRS according to ECE- R129, article 9**  
**[9]**

- |                    |  |  |
|--------------------|--|--|
| 2.4.1<br>[9.1]     | Testing shall be carried out to qualify the production of ECRS | <input checked="" type="checkbox"/> fulfilled<br><input type="checkbox"/> Not fulfilled<br><input type="checkbox"/> n.a. |
| 2.4.2<br>[9.2]     | Qualifying the production of child restraint system            | <input checked="" type="checkbox"/> fulfilled<br><input type="checkbox"/> Not fulfilled<br><input type="checkbox"/> n.a. |
| 2.4.2.1<br>[9.2.1] | Dynamic tests for Frontal and Rear Impact– measured values     | See annex C  |
| 2.4.2.2<br>[9.2.2] | Dynamic tests for Lateral Impact                               | <i>to be reviewed before Phase 3</i>   |
| 2.4.2.3<br>[9.2.3] | Control of Markings  | See no. 2.1  |

**2.5**  
**[14]**                      **Check of the information for Users**

2.5.1 [14.1]	Instructions in language of the country	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2 [14.2]	Instructions for installation	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2.1 [14.2.1]	Category "i-Size": label ...	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2.2 [14.2.2]	Category "specific vehicle ISOFIX": label ...	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.5.2.3 [14.2.3]	Packing box address to which the customer can write to obtain further information	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2.4 [14.2.4]	The method of installation illustrated by photographs and/or clear drawings	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2.5 [14.2.5]	Advice that that the rigid items and plastic parts can not be trapped	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2.6 [14.2.6]	Advice for carry-cots how to use to longitudinal axis	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.5.2.7 [14.2.7]	For rearward facing: advise how to use with an airbag	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.2.8 [14.2.8]	Special needs for CRS: label .....	<input type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input checked="" type="checkbox"/> n.a.
2.5.3 [14.3]	Instructions for user	
2.5.3.1 [14.3.1]	Size range	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.2 [14.3.2]	The method of use shall be shown by photographs and/or clear drawings	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.3 [14.3.3]	Forward facing ECRS: advice how to use until 15 months on the packing box:	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.4 [14.3.4]	The operation of the buckle and adjusting devices shall be explained clearly	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.5 [14.3.5]	Advice that straps should be tight and not be twisted	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.6 [14.3.6]	Advice to attach any lap strap as low as possible	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.



2.5.3.7 [14.3.7]	Advice it shall be recommended that the device should be changed when it has been subject to violent stresses in an accident	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.8 [14.3.8]	Instructions for cleaning	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.9 [14.3.9]	Warning concerning the danger of making any alternations to the device or of not following closely the installation instructions provided by the ECRS manufacturer	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.10 [14.3.10]	If not provided with a textile cover, advice to keep the CRS away from sunlight	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.11 [14.3.11]	Advice that children are not left in the ECRS unattended	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.12 [14.3.12]	Recommandation that any luggage or other objects should be secured properly	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.13 [14.3.13]	Recommendation not to use CRS without cover  advice that the seat cover should not be replaced with any other than the one recommended	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.  <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.5.3.14 [14.3.14]	Possibility of storage of the manual instructions	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.5.3.15 [14.3.15]	Advice for i-Size ECRS of referring to vehicle manufacturer's handbook	<input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
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**3 Other information**

3.1	Date of test:	2018 Feb. – 2018 July
3.2	Place of test:	Jiangsu EQO Testing Services Co., Ltd.  No.23, Luxi Road, Lujia, Kunshan, Jiangsu, P.R. China

**4 Remarks:**

4.1	Brief description of the component          Marking of test objects Number Fabric and paint          Legends	ECRS for child size stature 45-105cm, weight no than 18kg; secured by ISOFIX and support leg. Rearward facing for child 45-83cm, 1 reclined position; forward facing for 76-105cm, 3 positions. The ECRS consists of ISOFIX base and chair, which can be released for direction change.  n.a. 24 complete ECRS samples components from plastics (PP, ABS, PA6, etc), Fabric (Q195, SAE4130, SPFH540, etc.)See Information document: Pioneer-i Information Document. Covering: material in different colors and designs in accordance to the requirements of ECE R129  n.a.
4.2	Choice of worst case	Q3 dummy, forward facing, upright position, secured by ISOFIX and long support leg (contact with low floor position).



**Dynamic test according to ECE-R 44, article 7.1.4**

- |   |   |
|---|---|
| <input type="checkbox"/> Forward facing<br><input checked="" type="checkbox"/> Rearward facing<br><input type="checkbox"/> Lateral facing | <input checked="" type="checkbox"/> Frontal collision according to 7.1.3<br><input type="checkbox"/> Rear collision according to 7.1.3<br><input type="checkbox"/> Lateral collision according to 7.1.3 |
|---|---|

	Unit	exemplar No.			specified value
test-trolley system: deceleration (D) / acceleration (A)		☒ / ☐	☒ / ☐	☒ / ☐	
test number		2018031 3005S	20180313 006S	201803 13001S	
weight of the manikin	kg	11.1	3.4	11.1	
CRS position		reclined	reclined	reclined	
used anchorages <sup>1</sup>		H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	
impact speed of the test-trolley (D)	km/h	49.10	49.04	48.74	50 <sup>0-2</sup>
speed variation (A)	km/h	--	--	--	52 <sup>0-2</sup>
test trolley braking distance (D)	mm	672	675	675	650±50
maximum sled deceleration <sup>2</sup>	g	23.92	23.92	23.32	<sup>3</sup>
Head performance criterion (15)		243.6	119.2	280.1	600 <sup>4</sup>
resulting Head speeding up	g	52.4	36.48	52.8	75/80
resulting thorax speeding up	g	37.5	39.6	41.9	55 <sup>5</sup>
Upper neck tension force(Fz)	N	701.6	74.3	1214.5	<sup>6</sup>
Upper neck flexion moment(My)	Nm	16.9	9.1	13.7	<sup>7</sup>

<sup>1</sup> labeling according to ECE R129, annex 6, appendix 2

<sup>2</sup> progress and filtering according to ECE R129, appendix 7

<sup>3</sup> specified value for calibrating test: 20 g until 28 g

<sup>4</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129, article 6.6.4.5.2.

<sup>5</sup> in certain periods exceeding of the specified values allowed, if sum does not exceed 3 ms; values will not be taken into consideration on declaration

<sup>6</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>7</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.



Chest deflection (TBC)	mm	3.18	--	3.95		<sup>8</sup>
Abdominal pressure (P)	Bar	0.03/0.03	--/--	0.07/0.05		1.2
time until max forward head excursion	ms	83	71	87		
dummy head excursion value <sup>9</sup>	mm	613	399	694		700/--
section AB/FG		no	no	no		no
section AD/FD		no	no	no		no
section DE		no	no	no		no
contact of the CRS with a 100mm pipe		no	no.	n.a.		<sup>10</sup>
contact with Head containment plane		--	--	--		--
danger of abdomen injury		no	no	no		no
strength to open the buckle under load <sup>11</sup>	N	41	67	45		≤ 80 N
Name and address of test laboratory	<i>Refer to appendix 1.3.2 Place of testing</i>					
notes	no visible damages after the dynamic test, 20180313001S test w/o steel tube, without support leg in use and deployed in shortest length;					

<sup>8</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>9</sup> if test is performed according to 6.6.4.4.1.2.1 paragraph 2 & 3, forward displacement of dummy head is not considered.

<sup>10</sup> if all criterias of security have been fulfilled and on further tests all criterias of security excluding forward displacement, touching is allowed

<sup>11</sup> Alternative measuring value

**Dynamic test according to ECE-R 44, article 7.1.4**

- Forward facing
- Rearward facing
- Lateral facing

- Frontal collision according to 7.1.3
- Rear collision according to 7.1.3
- Lateral collision according to 7.1.3

	Unit	exemplar No.			specified value
test-trolley system: deceleration (D) / acceleration (A)		<input checked="" type="checkbox"/> / <input type="checkbox"/>	<input checked="" type="checkbox"/> / <input type="checkbox"/>	<input checked="" type="checkbox"/> / <input type="checkbox"/>	
test number		201803 12008S	201802 10001S	201803 12009S	
weight of the manikin	kg	3.4	3.4	11.1	
CRS position		reclined	reclined	reclined	
used anchorages <sup>12</sup>		H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	
impact speed of the test-trolley (D)	km/h	30.41	30.47	30.82	50 <sup>0-2</sup>
speed variation (A)	km/h	--	--	--	52 <sup>0-2</sup>
test trolley braking distance (D)	mm	271	272	276	275±25
maximum sled deceleration <sup>13</sup>	g	20.08	20.99	20.62	<sup>14</sup>
Head performance criterion (15)		170.58	267.37	91.9	600 <sup>15</sup>
resulting Head speeding up	g	58.68	62.59	33.84	75
resulting thorax speeding up	g	53.07	53.59	37.94	55 <sup>16</sup>
Upper neck tension force(Fz)	N	544.4	183.0	768.90	<sup>17</sup>
Upper neck flexion moment(My)	Nm	10.85	11.58	11.35	<sup>18</sup>

<sup>12</sup> labeling according to ECE R129, annex 6, appendix 2

<sup>13</sup> progress and filtering according to ECE R129, appendix 7

<sup>14</sup> specified value for calibrating test: 20 g until 28 g

<sup>15</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129, article 6.6.4.5.2.

<sup>16</sup> in certain periods exceeding of the specified values allowed, if sum does not exceed 3 ms; values will not be taken into consideration on declaration

<sup>17</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>18</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.



Chest deflection (TBC)	mm	--	--	--		19
Abdominal pressure (P)	Bar	--/--	--/--	--/--		1.2
time until max forward head excursion	ms	--	--	--		
dummy head excursion value	mm	--	--	--		--
section AB/FG		no	no	no		no
section AD/FD		no	no	no		no
section DE		no	no	no		no
contact of the CRS with a 100mm pipe		--	--	--		--
contact with Head containment plane		--	--	--		--
danger of abdomen injury		no	no	no		no
strength to open the buckle under load <sup>20</sup>	N	41	73	39		≤ 80 N
Name and address of test laboratory	<i>Refer to appendix 1.3.2 Place of testing</i>					
notes	Dynamic test 20180210001S and 20180312009S performed with support leg in shortest length and supported by floor pan, dynamic test 20180312008S performed with support leg in longest length and supported by floor pan; no visible damages after the dynamic test					

<sup>19</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>20</sup> Alternative measuring value

**Dynamic test according to ECE-R 44, article 7.1.4**

Forward facing  
 Rearward facing  
 Lateral facing

Frontal collision according to 7.1.3  
 Rear collision according to 7.1.3  
 Lateral collision according to 7.1.3

	Unit	exemplar No.			specified value
test-trolley system: deceleration (D) / acceleration (A)		<input checked="" type="checkbox"/> / <input type="checkbox"/>	<input checked="" type="checkbox"/> / <input type="checkbox"/>	<input checked="" type="checkbox"/> / <input type="checkbox"/>	
test number		2018031 2001S	201803 12002S	201803 12003S	
weight of the manikin	kg	3.4	11.1	9.6	
CRS position		upright	upright	upright	
used anchorages <sup>21</sup>		H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	
impact speed of the test-trolley (D) <sup>22</sup>	km/h	24.12	25.15	24.24	23
speed variation (A)	km/h	--	--	--	--
test trolley braking distance (D)	mm	241	243	240	250±50
maximum sled deceleration	g	13.6	14.04	13.49	
Head performance criterion (15)		365.36	385.93	328.38	600 <sup>24</sup>
resulting Head speeding up	g	64.9	66.47	62.3	75
resulting thorax speeding up	g	--	--	--	--
Upper neck tension force(Fz)	N	44.76	621.49	557.87	25
Upper neck flexion moment(Mx)	Nm	10.9	10.8	12.47	26

<sup>21</sup> labeling according to ECE R129, annex 6, appendix 2

<sup>22</sup> progress and filtering according to ECE R129, appendix 7

<sup>23</sup> specified value for lateral impact test is according to ECE R129, article 7.1.3.1.3, refer to annex 7, appendix 3

<sup>24</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129, article 6.6.4.5.2.

<sup>25</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>26</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

Chest deflection (TBC)	mm	--	--	--		--
Abdominal pressure (P)	Bar	--/--	--/--	--/--		--
Lap belt force	N	--	--	--		--
time until max forward head excursion	ms	--	--	--		--
dummy head excursion value	mm	--	--	--		--
section AB/FG		--	--	--		--
section AD/FD		--	--	--		--
section DE		--	--	--		--
contact of the CRS with a 100mm pipe		--	--	--	--	--
contact with Head containment plane		no	no	no	--	no <sup>27</sup>
danger of abdomen injury		no	no	no		no
strength to open the buckle under load <sup>28</sup>	N	65	63	46		≤ 80 N
Name and address of test laboratory	<i>Refer to appendix 1.3.2 Place of testing</i>					
notes	Dynamic tests all performed with support leg in longest length position and supported by floor pan; no visible damages after the dynamic test					

<sup>27</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129 article 6.6.4.5.2.

<sup>28</sup> Alternative measuring value



**Dynamic test according to ECE-R 44, article 7.1.4**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Forward facing<br><input type="checkbox"/> Rearward facing<br><input type="checkbox"/> Lateral facing | <input checked="" type="checkbox"/> Frontal collision according to 7.1.3<br><input type="checkbox"/> Rear collision according to 7.1.3<br><input type="checkbox"/> Lateral collision according to 7.1.3 |
|---|---|

	Unit	exemplar No.				specified value
test-trolley system: deceleration (D) / acceleration (A)		☒ / ☐	☒ / ☐	☒ / ☐	☒ / ☐	
test number		201803 13007S	201803 13008S	201803 13002S	201803 13003S	
weight of the manikin	kg	11.1	11.1	14.6	14.6	
CRS position		upright	reclined	upright	reclined	
used anchorages <sup>29</sup>		H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	
impact speed of the test-trolley (D)	km/h	49.63	49.63	49.27	49.36	50 <sup>0</sup> <sub>-2</sub>
speed variation (A)	km/h	--	--	--	--	52 <sup>0</sup> <sub>-2</sub>
test trolley braking distance (D)	mm	672	675	672	673	650±50
maximum sled deceleration <sup>30</sup>	g	24.46	24.15	23.47	23.88	31
Head performance criterion (15)		274.21	360.21	434.41	386.8	600/800 <sup>32</sup>
resulting Head speeding up	g	52.57	60.71	65.66	62.04	75/80
resulting thorax speeding up	g	29.5	30.82	36.88	37.76	55
Upper neck tension force(Fz)	N	1077.6	1218.3	1643.3	1580.8	33
Upper neck flexion moment(My)	Nm	8.06	8.5	10.34	8.08	34

<sup>29</sup> labeling according to ECE R129, annex 6, appendix 2

<sup>30</sup> progress and filtering according to ECE R129, appendix 7

<sup>31</sup> specified value for calibrating test: 20 g until 28 g

<sup>32</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129, article 6.6.4.5.2.

<sup>33</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>34</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

Chest deflection (TBC)	mm	5.56	11.35	26.29	25.3	<sup>35</sup>
Abdominal pressure (P)	Bar	0.44/0.32	0.27/0.4	0.52/0.57	0.53/0.55	1.2
time until max forward head excursion	ms	97	93	97	99	--
dummy head excursion value	mm	475	461	<b>476</b>	454	500
section AB/FG		no	no	no	no	no
section AD/FD		no	no	no	no	no
section DE		--	--	--	--	--
contact of the CRS with a 100mm pipe		--	--	--	--	--
contact with Head containment plane		--	--	--	--	--
danger of abdomen injury		no	no	no	no	no
strength to open the buckle under load <sup>36</sup>	N	43	43	40	35	≤ 80 N
Name and address of test laboratory	<i>Refer to appendix 1.3.2 Place of testing</i>					
notes	Dynamic tests all performed with support leg in longest length position and supported by floor pan; no visible damages after the dynamic test					

<sup>35</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>36</sup> Alternative measuring value

**Dynamic test according to ECE-R 44, article 7.1.4**

Forward facing  
 Rearward facing  
 Lateral facing

Frontal collision according to 7.1.3  
 Rear collision according to 7.1.3  
 Lateral collision according to 7.1.3

	Unit	exemplar No.				specified value
test-trolley system: deceleration (D) / acceleration (A)		<input checked="" type="checkbox"/> / <input type="checkbox"/>				
test number		2018031 3004S				
weight of the manikin	kg	14.6				
CRS position		upright				
used anchorages <sup>37</sup>		H <sub>1</sub> , H <sub>2</sub>				
impact speed of the test-trolley (D)	km/h	49.63				50 <sup>0</sup> <sub>-2</sub>
speed variation (A)	km/h	--				52 <sup>0</sup> <sub>-2</sub>
test trolley braking distance (D)	mm	670				650±50
maximum sled deceleration <sup>38</sup>	g	24.1				<sup>39</sup>
Head performance criterion (15)		611.8				800 <sup>40</sup>
resulting Head speeding up	g	75.55				80
resulting thorax speeding up	g	33.96				55
Upper neck tension force(Fz)	N	2000.47				41
Upper neck flexion moment(My)	Nm	15.07				42

<sup>37</sup> labeling according to ECE R129, annex 6, appendix 2

<sup>38</sup> progress and filtering according to ECE R129, appendix 7

<sup>39</sup> specified value for calibrating test: 20 g until 28 g

<sup>40</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129, article 6.6.4.5.2.

<sup>41</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>42</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

Chest deflection (TBC)	mm	30.46				43
Abdominal pressure (P)	Bar	0.62/0.66				1.2
Lap belt force	N	--				--
time until max forward head excursion	ms	98				--
dummy head excursion value	mm	542				550
section AB/FG		no				--
section AD/FD		no				--
section DE		no				--
contact of the CRS with a 100mm pipe		--				--
contact with Head containment plane		--				--
danger of abdomen injury		no				no
strength to open the buckle under load <sup>44</sup>	N	43				≤ 80 N
notes	Dynamic test 20171106003S performed without support leg in use and deployed in shortest length; no visible damages after the dynamic test					

<sup>43</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>44</sup> Alternative measuring value

**Dynamic test according to ECE-R 44, article 7.1.4**

<input checked="" type="checkbox"/>	Forward facing	<input type="checkbox"/>	Frontal collision according to 7.1.3
<input type="checkbox"/>	Rearward facing	<input type="checkbox"/>	Rear collision according to 7.1.3
<input type="checkbox"/>	Lateral facing	<input checked="" type="checkbox"/>	Lateral collision according to 7.1.3

	Unit	exemplar No.			specified value
test-trolley system: deceleration (D) / acceleration (A)		☒ / ☐	☒ / ☐		
test number		201803 12004S	201803 12005S		
weight of the manikin	kg	11.1	14.6		
CRS position		upright	upright		
used anchorages <sup>45</sup>		H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>		
impact speed of the test-trolley (D) <sup>46</sup>	km/h	25.01	24.90		47
speed variation (A)	km/h	--	--		--
test trolley braking distance (D)	mm	246	242		250±50
maximum sled deceleration	g	14.36	14.69		
Head performance criterion (15)		305.67	341.65		600 <sup>48</sup>
resulting Head speeding up	g	60.37	64		75
resulting thorax speeding up	g	--	--		--
Upper neck tension force(Fz)	N	579.66	509.18		49
Upper neck flexion moment(Mx)	Nm	14.49	19.47		50

<sup>45</sup> labeling according to ECE R129, annex 6, appendix 2

<sup>46</sup> progress and filtering according to ECE R129, appendix 7

<sup>47</sup> specified value for lateral impact test is according to ECE R129, article 7.1.3.1.3, refer to annex 7, appendix 3

<sup>48</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129, article 6.6.4.5.2.

<sup>49</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>50</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

Chest deflection (TBC)	mm	--	--			--
Abdominal pressure (P)	Bar	--/--	--/--			--
Lap belt force	N	--	--			--
time until max forward head excursion	ms	--	--			--
dummy head excursion value	mm	--	--			--
section AB/FG		--	--			--
section AD/FD		--	--			--
section DE		--	--			--
contact of the CRS with a 100mm pipe		--	--	--	--	--
contact with Head containment plane		no	no	--	--	no <sup>51</sup>
danger of abdomen injury		no	no			no
strength to open the buckle under load <sup>52</sup>	N	38	40			≤ 80 N
notes	Dynamic tests all performed with support leg in longest length position and supported by floor pan; no visible damages after the dynamic test					

<sup>51</sup> specified criteria for frontal and rear impact according to ECE R129, article 6.6.4.3, for lateral impact according to ECE R129 article 6.6.4.5.2.

<sup>52</sup> Alternative measuring value

Test of straps concerning resistance to article 6.7.4 & 7.2.5

- Shoulder strap (5-point belt): the width and breaking load after conditioning
- Shoulder strap (Y- belt): the width and breaking load after conditioning
- Adjusting belt: the width and breaking load after conditioning

Straps marking: 2 strips

Width: 25mm

Color: Black

exam ple No.	conditioning	width mm	breaking load kN	breaking load spread %	avg. of breaking load kN	breaking load value of example 1 and 2 %			
1	article 8.2.5.2.1	25	10.526	2.25	10.645				
2	room conditions	25	10.763						
3	article 8.2.5.2.2		10.460			98.3			
4	light resistance		10.474			98.4			
5	article 8.2.5.2.3		10.616			99.7			
6	low temperature resistance		10.507			98.7			
7	article 8.2.5.2.4		10.650			100			
8	high temperature		10.683			100			
9	article 8.2.5.2.5		10.609			99.7			
10	humidity resistance		11.704			100			
11	article 8.2.5.2.6								
12	abrasion resistance <sup>53</sup>								
	specified value for weight category 0, 0+, I		≥ 25			- ≥ 360			≥ 75
	weight category II		≥ 38			≥ 500			
	weight category III	≥ 38	≥ 720						

<sup>53</sup> The abrasion resistance test only should be performed when the microslip test according to article 7.2.3 gives a result above 50% of the limit value according to article 6.7.4.3.4.



Test of straps concerning resistance to article 6.7.4 & 7.2.5

- Shoulder strap (5-point belt): the width and breaking load after conditioning
- Shoulder strap (Y- belt): the width and breaking load after conditioning
- Adjusting belt: the width and breaking load after conditioning

Straps marking: 4 strips

Width: 38mm

Color: Black

exam ple No.	conditioning	width mm	breaking load kN	breaking load spread %	avg. of breaking load kN	breaking load value of example 1 and 2 %			
1	article 8.2.5.2.1	38	13.783	1.88	13.656				
2	room conditions	38	13.528						
3	article 8.2.5.2.2		13.966			100			
4	light resistance		13.961			100			
5	article 8.2.5.2.3		13.813			100			
6	low temperature resistance		13.801			100			
7	article 8.2.5.2.4		14.058			100			
8	high temperature		14.066			100			
9	article 8.2.5.2.5		14.067			100			
10	humidity resistance		13.969			100			
11	article 8.2.5.2.6		12.241			89.64			
12	abrasion resistance		12.359			90.51			
	specified value for weight category 0, 0+, I		≥ 25			- ≥ 360			≥ 75
	weight category II		≥ 38			≥ 500			
	weight category III	≥ 38	≥ 720						



Test about the proof of production capability of CRS manufacturing according to ECE R129, article 9

**1 Test conditions**

- 1.1 Type Pioneer-i
- 1.2 Reserved permit number in advance E4\*129R01/02\*0021\*00
- 1.3 Customer Hangzhou Yuemeng Industry Co.,Ltd.  
  
Dongfang Village, Guali Town,  
Xiaoshan District, Hangzhou City,  
311241 Zhejiang Province,  
P.R.CHINA

**2 Test report**

- 2.1 Test sample
  - 2.1.1 Number 5 complete CRS samples
  - 2.1.2 Marking

seat number	part number	test
1	1/6	20180726006S
2	2/6	20180726007S
3	3/6	20180726008S
4	4/6	20180727001S
5	6/6	20180727003S

- 2.2 Utilization of the manikin
  - 2.2.1 Type
  - 2.2.2 Mass [kg] 14,6
  - 2.2.3 Others Q3 dummy, forward facing, frontal impact, upright position, support leg in longest length position



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<b>3</b>	<b>Test results</b>	
3.1	Date of test	26.07.2018 – 27.07.2018
3.2	Dynamic tests	See chapter 4, measuring results (Page 3)
3.3	Check of marking and instruction on installation and use	Conforms to given regulation

**4 Measuring results**      Dynamic tests in accordance with article 9.2.1

	unity	samples: Pioneer-i    anchorage CRS: ISOFIX					specified value
test number		20180726006S	20180726007S	20180726008S	20180727001S	20180727003S	
direction of CRS installation		forward	forward	forward	forward	forward	
used anchorages		H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	H <sub>1</sub> , H <sub>2</sub>	
speed at impact of test-trolley	km/h	49.26	49.18	49.56	48.32	49.00	50 <sup>0</sup> -.2
breaking distance test-trolley	mm	673	671	674	673	673	650±50
maximum deceleration test-trolley <sup>54</sup>	g	21.63	23.52	22.19	21.21	21.51	
Head performance criterion (15)		351.33	361.39	397.49	339.24	348.98	800
resulting Head speeding up	g	62.49	61.58	63.28	56.46	60.37	80
resulting thorax speeding up	g	36.04	40.86	39.25	37.82	39.02	55
Upper neck tension force(Fz)	N	902.47	1140.77	1035.56	1168.96	1025.83	<sup>55</sup>
Upper neck flexion moment(My)	Nm	29.16	29.05	30.82	25.88	29.24	<sup>56</sup>
Chest deflection (TBC)	mm	25.61	24.41	23.77	24.6	23.77	<sup>57</sup>
Abdominal pressure (P)	bar	0.45/0.46	0.4/0.39	0.46/0.49	0.42/0.48	0.41/0.47	1.2

<sup>54</sup> Progress and filtering according to ECE R129, appendix 7, Specified value for calibrating test: 20 g until 28 g

<sup>55</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>56</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

<sup>57</sup> For monitoring purpose only, will be reviewed within 3 years till 2020.

maximum moving of the manikins' head $s_K$	mm	458	452	464	454	445	$L^{58} = 500$
$s_K \leq 1,05 * L$	mm	yes	yes	yes	yes	yes	yes
avg. $X_K$ of maximum moving of the manikins' head	mm	454.60					
Standard deviation $S_K$	mm	7.06					
$X_K + S_K \leq L^5$	mm	<b>461.66</b>					L= 500
$X_B + S_B$ for HPC(15)		<b>382.24</b>					--
$X_B + S_B$ for resulting Head value <sup>59</sup>	g	<b>63.51</b>					--
$X_B + S_B$ for resulting thorax value <sup>60</sup>	g	<b>40.39</b>					--
$X_B + S_B$ for Abdominal pressure <sup>61</sup>	bar	<b>0.45/0.5</b>					--

$$S = \sqrt{\left(\frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2\right)} \quad \dots \text{Standard deviation}$$

<sup>58</sup> Specified value according to article 6.6.4.4 of ECE-R 129

<sup>59</sup> Specified value according to article 6.6.4.3.1 of ECE-R 129, and records for information only

<sup>60</sup> Specified value according to article 6.6.4.3.1 of ECE-R 129, and records for information only

<sup>61</sup> Specified value according to article 6.6.4.3.1 of ECE-R 129, and records for information only

**List of modifications /**  
**Liste der Änderungen:**

- |   |   |      |
|---|---|------|
| 1 | Correction of /<br><i>Es wird berichtigt:</i> | n.a. |
| 2 | Modification of /<br><i>Es wird geändert:</i> | n.a. |
| 3 | Addition of /<br><i>Es wird hinzugefügt:</i>  | n.a. |
| 4 | Deletion of /<br><i>Es entfällt:</i>          | n.a. |

Hangzhou Yuemeng Industry Co., Ltd.

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# Pioneer-i Information Document

Created by : 刘俊林

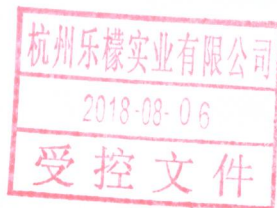
Approved by : 钱建洪

File No. : YM/QSP JS-202

Revision : A/0

Effective Date : 2018.08.06

Control Statuses :



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## 1. Technical description of Type

<b>0.</b>	<b>General</b>		
0.1.	Make (trade name of manufacturer)	:	Roomeye
0.2.	Type and general commercial description(s)	:	Pioneer-i
0.2.1.	Variant	:	n.a.
0.3	Trade mark		ROOMEYE、乐檬、baby design、espiro
0.3.1	Means of identification of type name / Trade mark		Type designation
0.3.2	Location of the marking		The lower back of the CRS, The top of the shoulder strap sheath
0.5.	Name and address of manufacturer	:	Hangzhou Yuemeng Industry Co., Ltd. Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, 311241, Zhejiang Province, China
0.7.	Location and method of affixing of the ECE approval mark	:	Paper, glued at the chair back and base back
0.8.	Address(es) of assembly plant(s)	:	Hangzhou Yuemeng Industry Co., Ltd. Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, 311241, Zhejiang Province, China
0.9	Information folder		
0.9.1	Information document name:		Pioneer-i information document
0.9.2	Information document number:		YM/QSP JS-202
1.0	Brief description of the component		
1.1	Description (Group, material, weight, etc.)		Enhanced Child Restraint System Height:45cm – 105cm; Weight: mass $\leq$ 18kg, i-Size ECRS Category, integral class; Fasten by ISOFIX and support leg; From 45cm – 83cm rearward facing, and 76cm – 105 cm forward facing ; Product mass: 15 Kg
1.2	Fabric and paint		The child seat consists of: components from plastics (PP, PA6, ABS,etc), fabric (Q195,SAE4130,SPFH540,etc)  Covering: material in different colors and designs in accordance to the requirements of ECE R129



## 2.Product picture:

Front view



Side view



Bottom view



45° view



### 3.Product Instruction



## Pioneer-i OWNER'S MANUAL

Rear-facing(45-83cm);Max:18kg;0-15M  
Forward(76-105cm);Max:18kg;15M-4Y

 Failure to follow the warnings on the labels and in the instruction manual can result in the death or serious injury of your child.

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**01** Warnings/01

**02** Product overview/03

**03** Suitability/05

**04** Pre-adjustment/07

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5.1 Installation the ISOFIX insert guides/08  
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**06** How to install it/15  
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**07** Care and storage/18

**08** Original spare parts&Accessories/19

**09** Guarantee/20

# Notice!

1. This is an i-size child restraint system. It is approved by ECE R129, for use on i-size compatible vehicle seat as indicated by vehicle manufacturers in the vehicle users' manual.
2. It will fit vehicles with positions approved as ISOFIX positions (as detailed in the vehicle handbook), depending on the category of the child seat and the fixture.
3. The mass group and the ISOFIX size class for which this device is intended is:  
0-13kg, class D; 9-18kg, class B1

**Do not use forward mode before the child is 15 months old & less than 76cm height.**

If in doubts, consult either the child restraint manufacturer or the retailer.

## Warnings

www.roomeyeseat.com

- Please read **all** instructions thoroughly before using the ROOMEYE Pioneer-i. Otherwise potential safety hazard will be caused by improper installation.
- The manufacturer is not responsible for any improper use unfollowing this manual.
- Keep this manual carefully for later reference.
- This child restraint system is suitable for 45-105 cm height child, weight  $\leq 18$ kg.
- Never use ROOMEYE Pioneer-i on a seat, where airbag is activated.
- Do not use forward mode before the child is 15 months old and reached 76cm height.



**This child restraint system shall be installed and used accordance to this manual.**

- Make sure that **all** movable parts of your Pioneer-i are always properly locked in place and that no parts are lodged between movable seats or doors.
- Do not place any heavy items on the near window shelf, these can become dangerous projectiles in the event of an accident.
- Regularly inspect the different elements of the car seat. The system and buckle in particular must be checked regularly for near and tear or possible damage.
- Use **only** manufacturer approved Pioneer-i child seats and original accessories and do not modify the product!
- Never use the child restraint system if any parts damaged or lost. Please contact with manufacturer or retailer.
- Never use other stress points unmarked in this manual. And it must be marked as warning on the child restraint system.
- Before each trip, check whether the ISOFIX connectors are connected to the vehicle and the support leg/base is adjusted accordingly. Also make sure that the child seat is properly latched onto the ISOFIX Base.

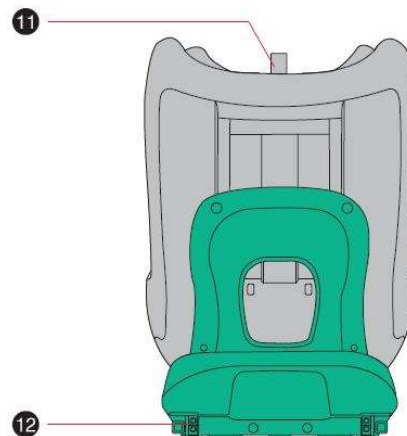
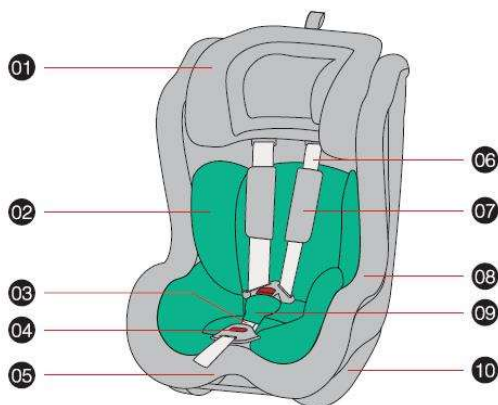
# Roomeye

- Even if for short distance travel, child seat is also needed, so as to avoid occurrence of accident at any time.
- Shield your Pioneer-i seat from direct sunlight to prevent uncomfortable heating of the surface.
- Never leave your child unattended in the car.
- Children can often be very lively, you should therefore explain to children how important it is to always be safety fastened in. Children must understand that they should never change the way the belts are positioned and never open the buckle.
- All passengers in the car should wear a safety belt, to make a good example for your children.
- Leave some relax time during a long journey.
- As a general rule: when used in the car, the more snugly the belt fits over your child's body, the safer your child will be. Make sure the belt fits tightly and not twisted when used in the car.
- The instructions can be retained on the child restraint for its life period, and take good care of the manual.
- The child restraint shall not be used without the cover;
- **Do not use your Pioneer-i any more if parts have been damaged after an accident. ⚠**
- For an i-size child restraint system, please read the car manufacturer's handbook before installing and using the child restraint.
- It shall be recommended that any support leg should be in contact with the vehicle floor
- The importance of ensuring that any lap strap is worn low down, so that the pelvis is firmly engaged, shall be stressed.
- While forward facing, upright position is used for all universal status, and other inclined positions configuration, the child seat may not fit in all vehicles as a universal fixture.

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## 02 Product overview

[www.roomeyeseat.com](http://www.roomeyeseat.com)



01. Headrest

02. Infant insert

03. Harness buckle

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04. Harness release button

05. Harness tightening strap

06. Shoulder strap

07. Shoulder pads

08. Zero-G Foam

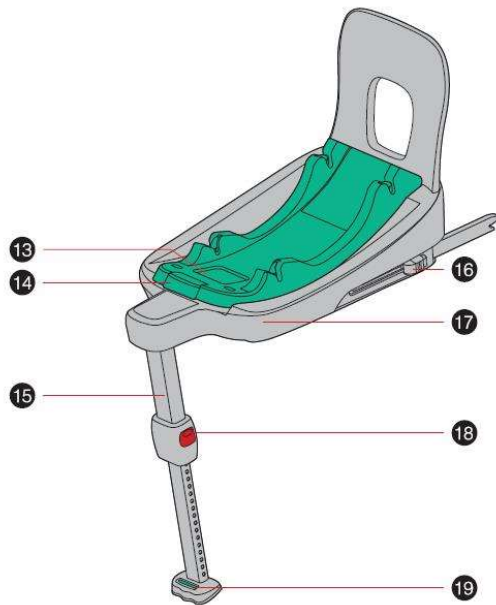
09. Crotch strap

10. Car seat body

11. Height adjustment handle

12. ISOFIX attachment

# Roomeye

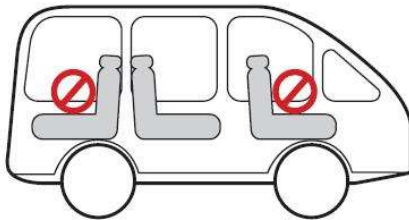
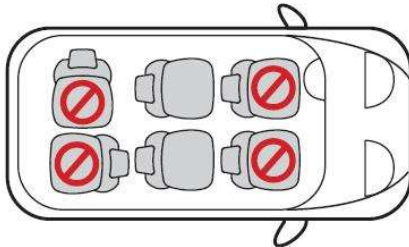


Watch installation video here.

- 13.Body slider button
- 14.Body release button
- 15.Support leg
- 16.ISOFIX adjustment button
- 17.ISOFIX Base
- 18.Support leg adjustment button
- 19.Support leg indicator

Page 04

## 03 SUITABILITY [www.roomeyeseat.com](http://www.roomeyeseat.com)



- Child car seat should be installed on the back seat.
- Do not install on the passenger seat in the front unless the airbag is disabled.
- Do not install on the lateral seat.
- Do not install on the reverse seat.
- Do not install on the additional seat or simple seat.

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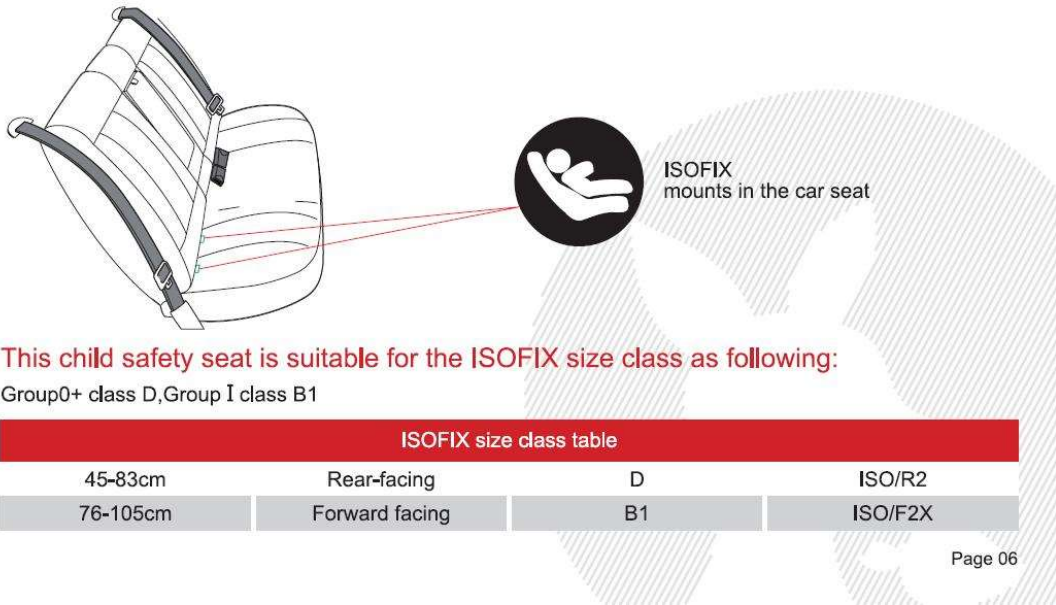


Roomeye

**ISOFIX mounts in the car**

Make sure your ISOFIX mounts are standard. Please read the instructions about the ISOFIX mounts in your automotive manual.

Never install the child restraint system, unless the ISOFIX mounts match the ISOFIX size class.



**This child safety seat is suitable for the ISOFIX size class as following:**

Group0+ class D, Group I class B1

ISOFIX size class table			
45-83cm	Rear-facing	D	ISO/R2
76-105cm	Forward facing	B1	ISO/F2X

Page 06

**04 Product overview**  
www.roomeyeseat.com

- Make sure your ISOFIX mounts are standard, or ROOMEYE insert guides may help easier for installation. Please read the instructions about the ISOFIX mounts in your automotive manual.
- Make sure the backrest of the vehicle seats are locked.
- Make sure all heavy or sharp-edged objects in the vehicle are secured.
- Make sure the child safety seat is not damaged or accessories lost.
- Only adult can install and adjust the child safety seat, do not leave the child playing or adjusting the car seat.

Because of LOVE



**05** Installation of ISOFIX insert guide | [www.roomeyeseat.com](http://www.roomeyeseat.com)

**Roomeye**

**5.1 Install the ISOFIX insert guides**

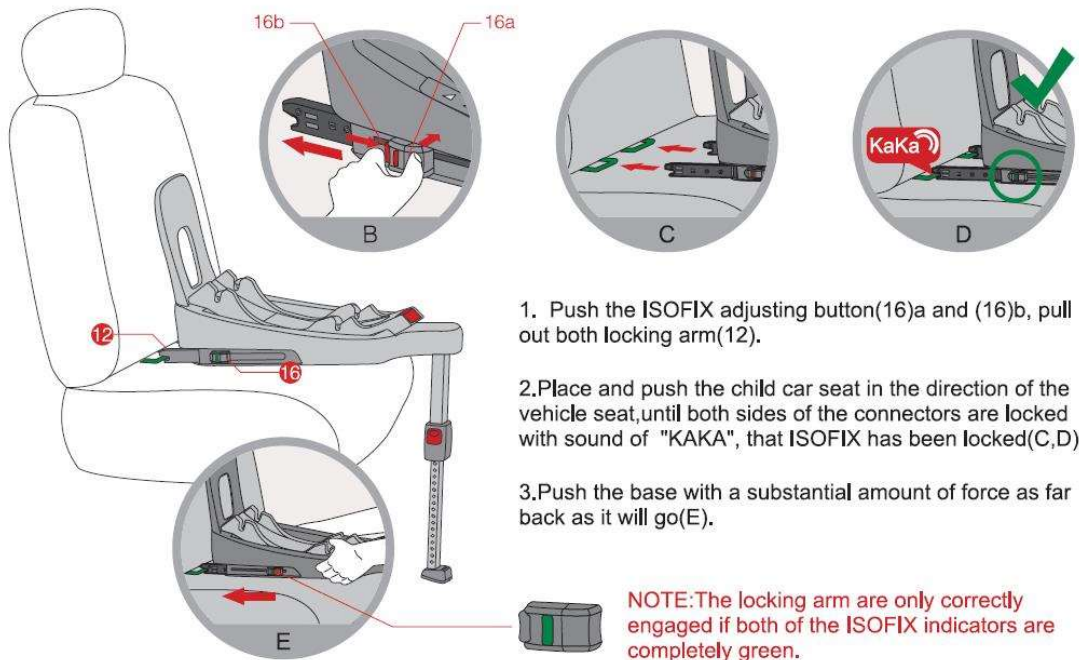
If your vehicle is not equipped with the ISOFIX insert guides(A) as standard, clip the two insert guides which one included with the seat with the cut-off facing upwards onto the two ISOFIX attachment point(12) of your vehicle.



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**05** Installation of the ISOFIX Base | [www.roomeyeseat.com](http://www.roomeyeseat.com)

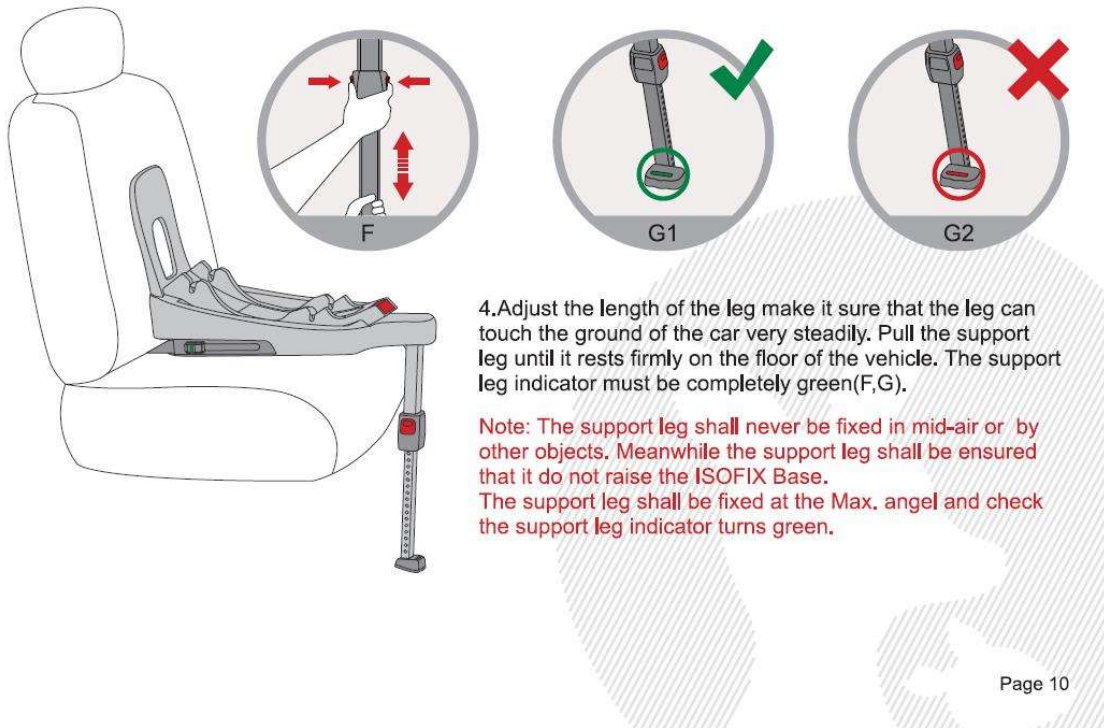
**5.2 Install the base**



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## Roomeye



4. Adjust the length of the leg make it sure that the leg can touch the ground of the car very steadily. Pull the support leg until it rests firmly on the floor of the vehicle. The support leg indicator must be completely green(F,G).

**Note:** The support leg shall never be fixed in mid-air or by other objects. Meanwhile the support leg shall be ensured that it do not raise the ISOFIX Base. The support leg shall be fixed at the Max. angel and check the support leg indicator turns green.

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### 05 Removal of the ISOFIX Base

[www.roomeyeseat.com](http://www.roomeyeseat.com)

#### 5.3 Remove the base



1. Pinch the ISOFIX adjusting button(16)a and b on both sides, pull in to release the ISOFIX base(H,I).

2. Fold the support leg.

**NOTE:** Do not leave the ISOFIX Base unattended inside the vehicle. Any luggage or other objects liable to cause injuries in the event of a collision shall be properly secured.

Page 11

**05** Installation of car seat body | [www.roomeyeseat.com](http://www.roomeyeseat.com)

Roomeye

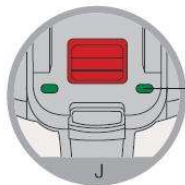


1. Place the Pioneer-i car seat body facing the back of the vehicle (opposite the driving direction).
2. Position the Pioneer-i car seat and align its 2 metal bars above the anchor points in the ISOFIX Base. Slide the car seat into the anchor points until you hear a "click" sound and it is locked in place.
3. Check the color indicator-It should turn from red to green once the car seat is properly placed and locked successfully.
4. Check the Pioneer-i is secure by shaking the car seat. The Pioneer-i should stay fixed in place.

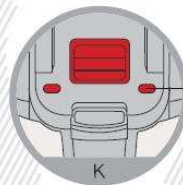
**Note:** use gear "1" when reversed installation



1. Place the Pioneer-i car seat body forward the driving direction.
2. Follow the above 2,3,4 steps.



Green means installed

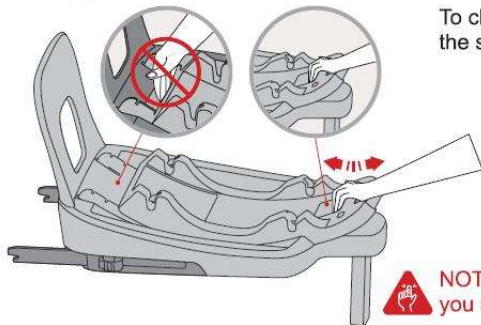


Red means take-off

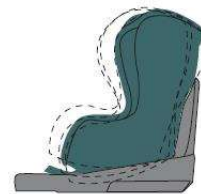
Page 12

**05** Adjustment of the inclination | [www.roomeyeseat.com](http://www.roomeyeseat.com)

5.5 Adjustment of inclination



To change the positions grasp the body slider button and push the seat into the desired position.



**NOTE:** Never put your hands into the warning sticker place when you are adjusting the shell inclination.

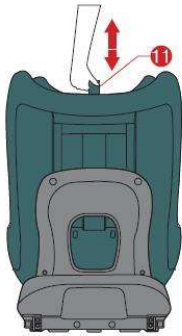


Forward installation use step 1 to step 3  
Rear-facing installation use step 1

Page 13

**05** Adjustment of headrest height  
www.roomeyeseat.com

Roomeye



Up: Pull the height adjustment handle(11) of the headrest and pull upwards.  
Down: Pull the height adjustment handle(11) and push down.

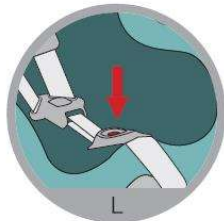
**NOTE:**The headrest must be adjusted so that the shoulder straps are at the same levels as your child's shoulders on slightly above.



Down: Move the headrest to the correct shoulder strap height and check that it is properly engaged by lightly sliding the headrest downwards.

**NOTE:**A correct adjusted headrest ensure optimal protection for your child in the safety seat.

**06** Securing your child using harness  
www.roomeyeseat.com



1. Open the harness buckle.

2. Push the harness release button (4) and at the same time pull both shoulder straps (6) forwards. Do not pull on the shoulder pads.



3. Have your child sit down in the child seat.

4. Guide the two buckle latches together and engage them before putting them into the harness buckle. This should make a clicking noise.

**NOTE:**Safety seat cannot be used if installation found no shoulder pad (7) and crotch strap (9).



# Roomeye

Buckle indicator turn from red to green, that's locked.

	✓
	✗
	✗

5. Pull on harness tightening strap (5) until the harness lies flat and is close against your child's body. The gap between the shoulder and the body is appropriate to just drop a finger.

**NOTE:** The shoulder strap must run at shoulder height or a little above the height of the child's shoulders. The shoulder strap must not run behind the back of the child or at ear height or above the ears.

Page 16

## 06 Usage of infant insert

[www.roomeyeseat.com](http://www.roomeyeseat.com)

Newborn headrest

Backpad

Cushion

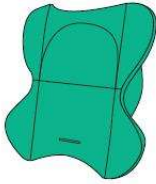
Note: Please put the strap of newborn headrest in the fastener of headrest.

The infant insert ensures your baby's safety during travel and improve the comfort by ergonomic design. The infant insert is removable, it shall be confirmed if it's OK before the installation of car seat.

**Warning:** Please use the cushion, newborn headrest and backpad according to manual for your baby's safety.

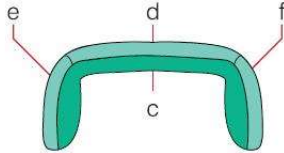


## Roomeye



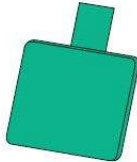
### Adjustment of cushion

The cushion must be used when the child height is between 45~87CM.  
Remove the cushion when your child height is between 87~105CM for more space.



### Adjustment of newborn headrest

c+d+e+f must be used when the child height is between 45~60CM.  
Please remove e+f when the child height is between 60~87CM.  
Please just only use c when the child height is between 87~105CM.



### Adjustment of backpad

The backpad must be used when your child height is between 45~87CM.  
Remove the backpad when your child height is between 87~105CM.

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## 07 Care and storage

[www.roomeyeseat.com](http://www.roomeyeseat.com)

### Cleaning:

1.The cover cannot be removed for washing, special environmental detergent provided by the manufacturer is suggested.

Please use the original cushion and consult ROOMEYE dealer or manufacturer for replacement of new cushion.

- a. Wash the cushion cover with a soft brush and commercially-available detergent and temperature under 30 C
- b. If the temperature is higher than 30 C, the cover fabrics may fade slightly.
- c. Never tumble dry or squeeze strongly.

2.Clean the plastic parts with commercially available household cleaner. Never use chemical cleaning or bleaching agents.

3.The belt can be washed by commercially-available detergent, but not take off the buckle or buckle tongue.

### Storing ROOMEYE Pioneer-i seat

Store the Pioneer-i in a dry place and protect it from dust and direct sunlight.

The ROOMEYEE original spare parts/the attached information can be obtained directly from the retailer or the ROOMEYEE

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**Roomeye****Date of effect:**

The guarantee begins on the day of purchase, and within the warranty period of 24 months (with normal use as described the the user manual).

**Warranty terms:**

- a. The guarantee is valid for the original purchaser only, not transferable.
- b. The guarantee makes no provision for any alteration or deterioration to the product that is incurred through normal usage.
- c. The period of guarantee shall not be extended by any remedial measures carried out by the manufacturers in the event of a claim.
- d. A free replaced child seat will be provided by the manufacturer after an accident.  
(Please check the details on [www.roomeyeseat.com](http://www.roomeyeseat.com))

**The warranty is not valid in the following cases:**

- a. If the product is not supplied to the manufacturer with the original purchase receipt (via retailer or importer).
- b. Product is not brought back to the specialist dealer complete with proof of purchase within 15 days of the defect occurring.
- c. In case of a use of purpose other than described in the manual.
- d. If repairs were carried out by third parties or a dealer that is not authorized by us.
- e. The serial number has been damaged or removed.
- f. If the parts show normal wear amd tear may be expected from daily use of a product.

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Installation Instructions

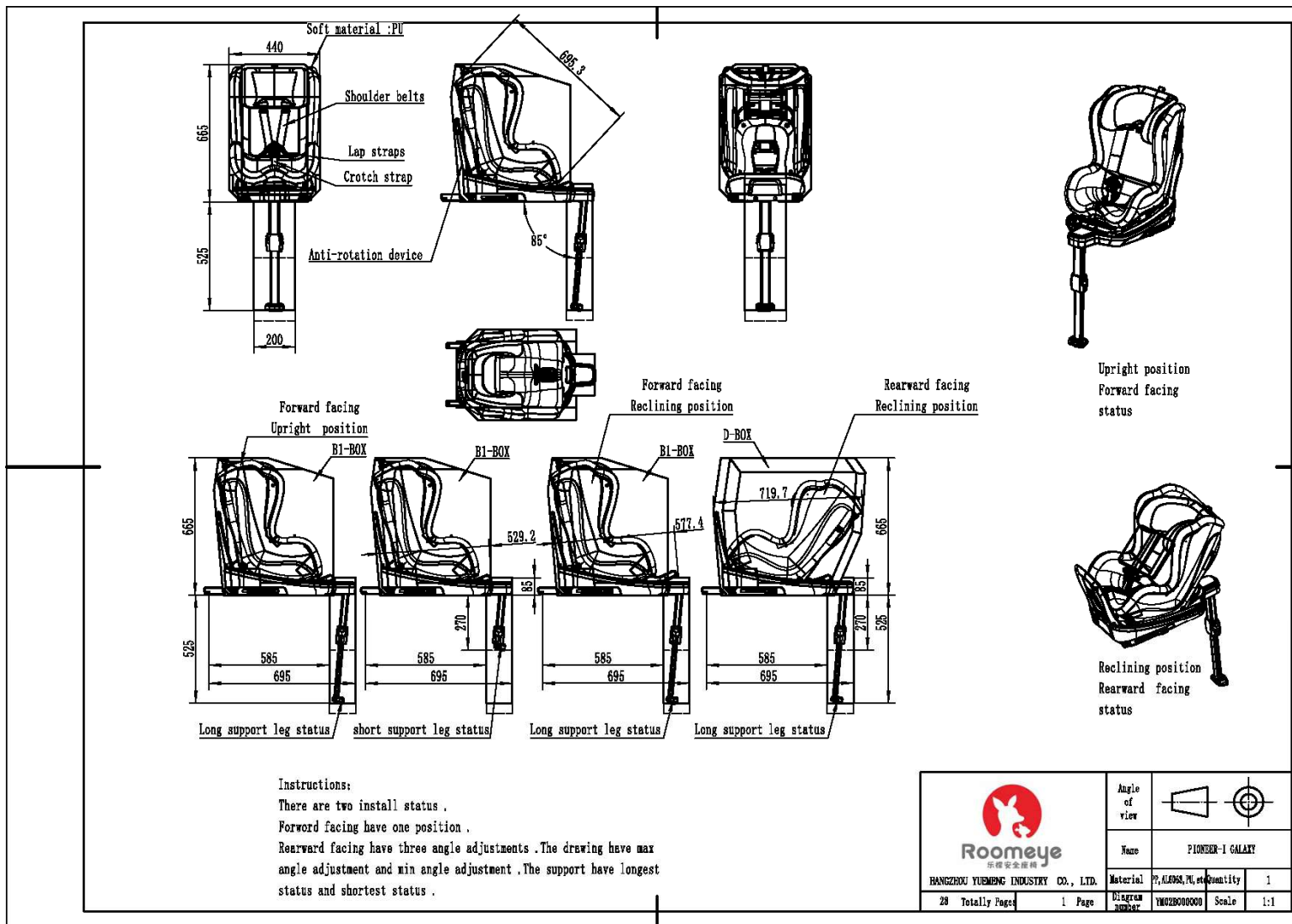
E-MAIL: [customer@roomeyeseat.com](mailto:customer@roomeyeseat.com)  
URL: [www.roomeyeseat.com](http://www.roomeyeseat.com)

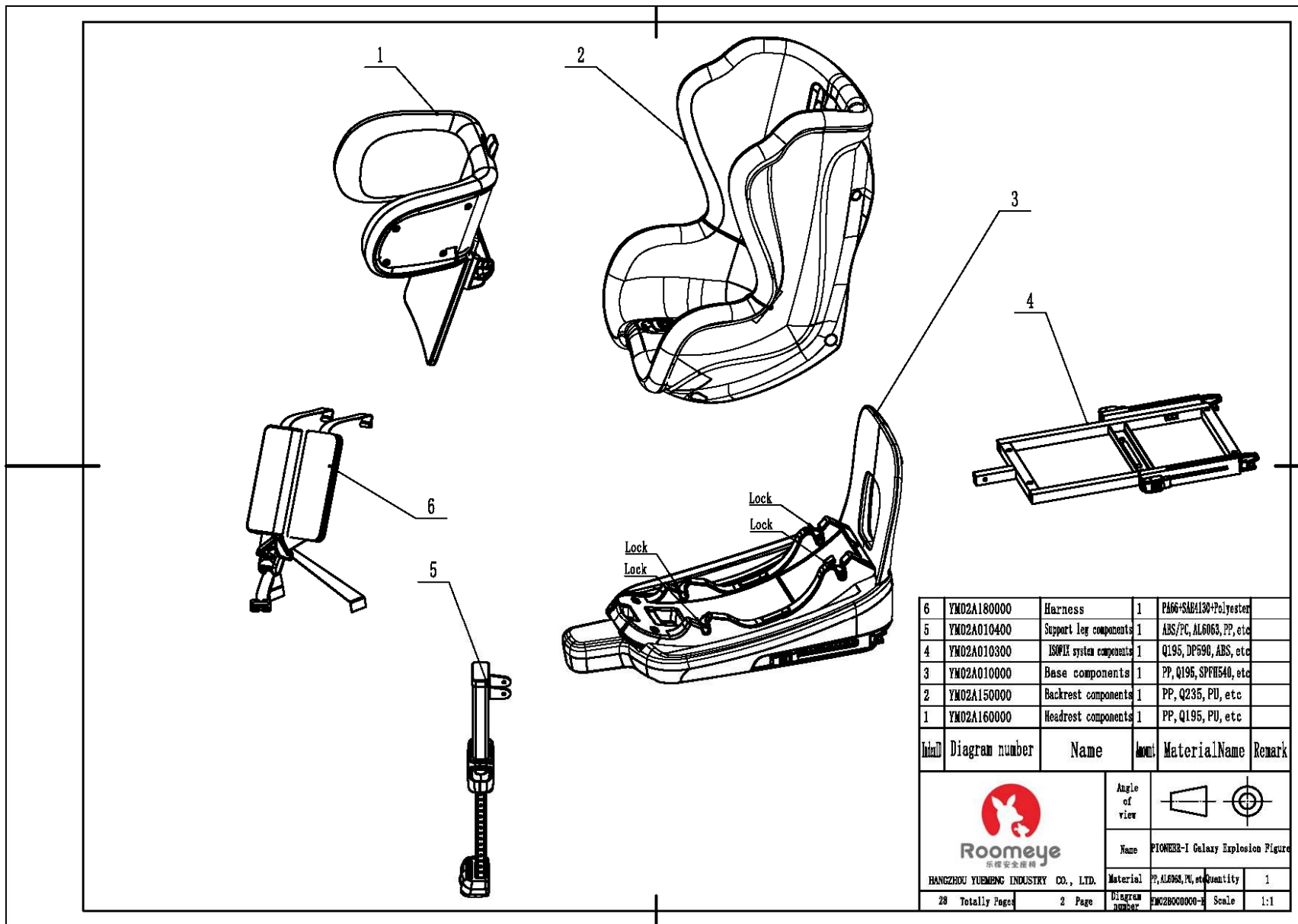
Hangzhou Yuemeng Industry Co.,Ltd.





### 4.Product Drawing

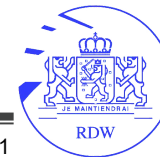


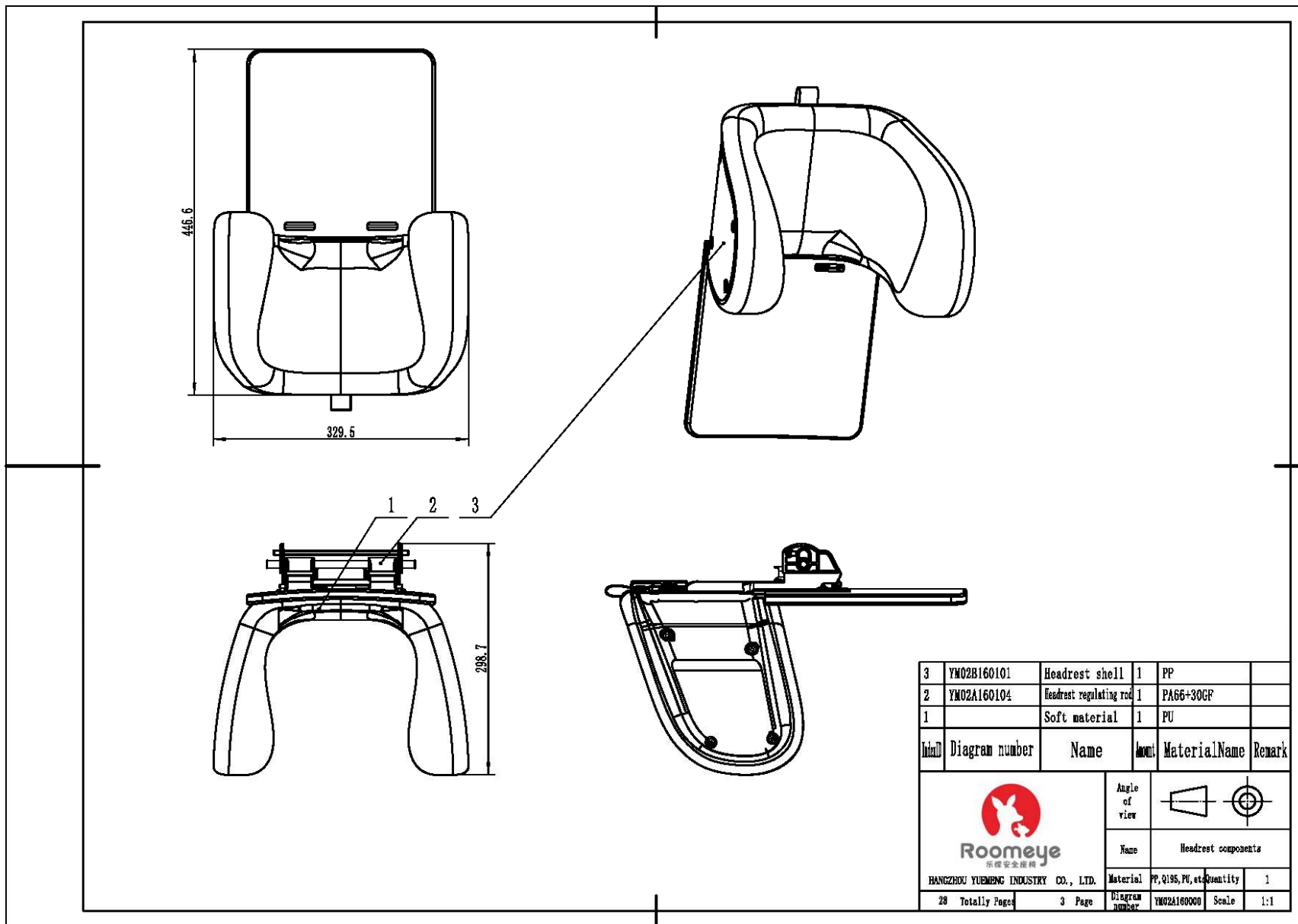


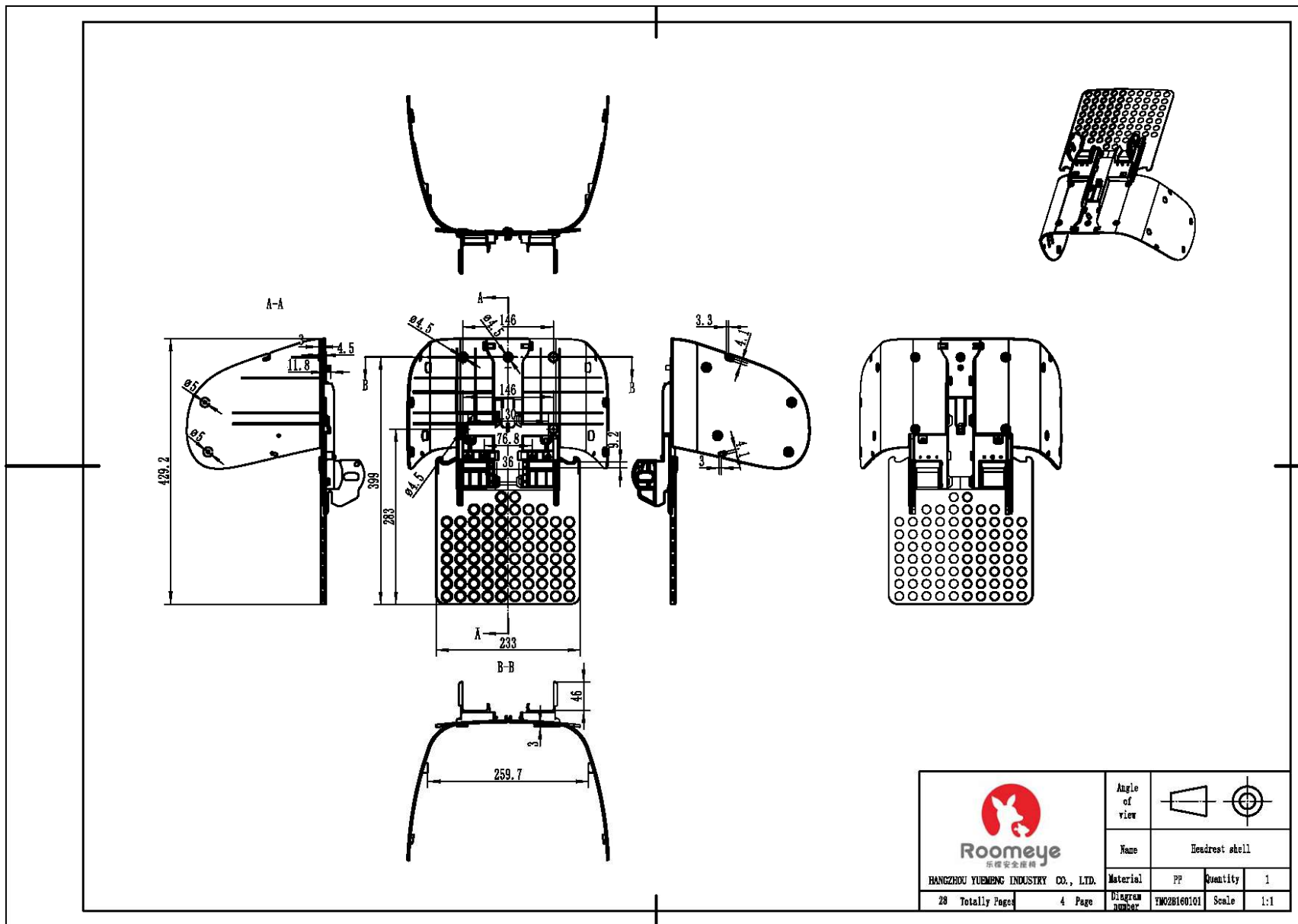
6	YM02A180000	Harness	1	PA66+SMBA130+Polyester
5	YM02A010400	Support leg components	1	ABS/PC, AL6063, PP, etc
4	YM02A010300	ISOFIX system components	1	Q195, DP630, ABS, etc
3	YM02A010000	Base components	1	PP, Q195, SPFH540, etc
2	YM02A150000	Backrest components	1	PP, Q235, PU, etc
1	YM02A160000	Headrest components	1	PP, Q195, PU, etc

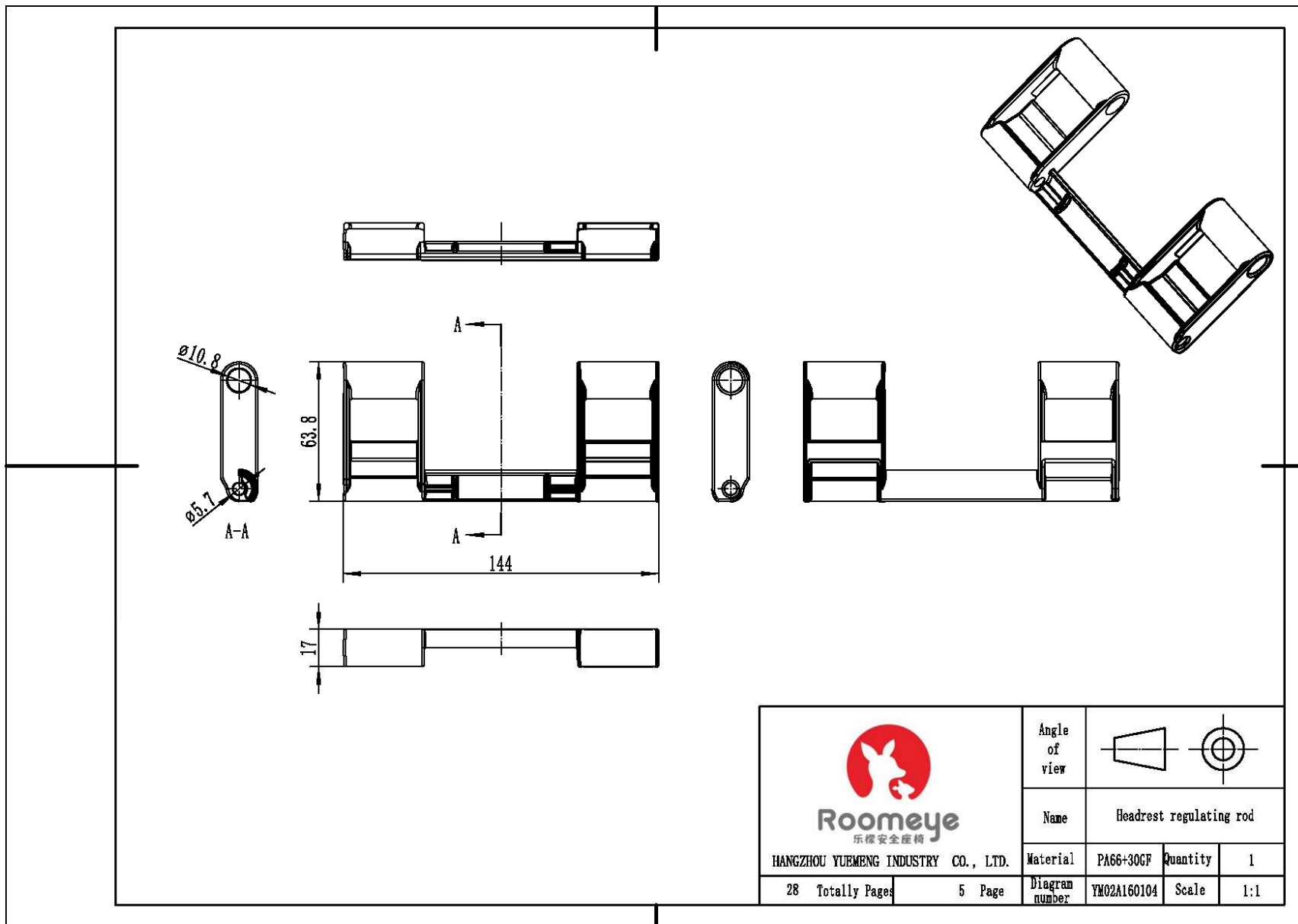
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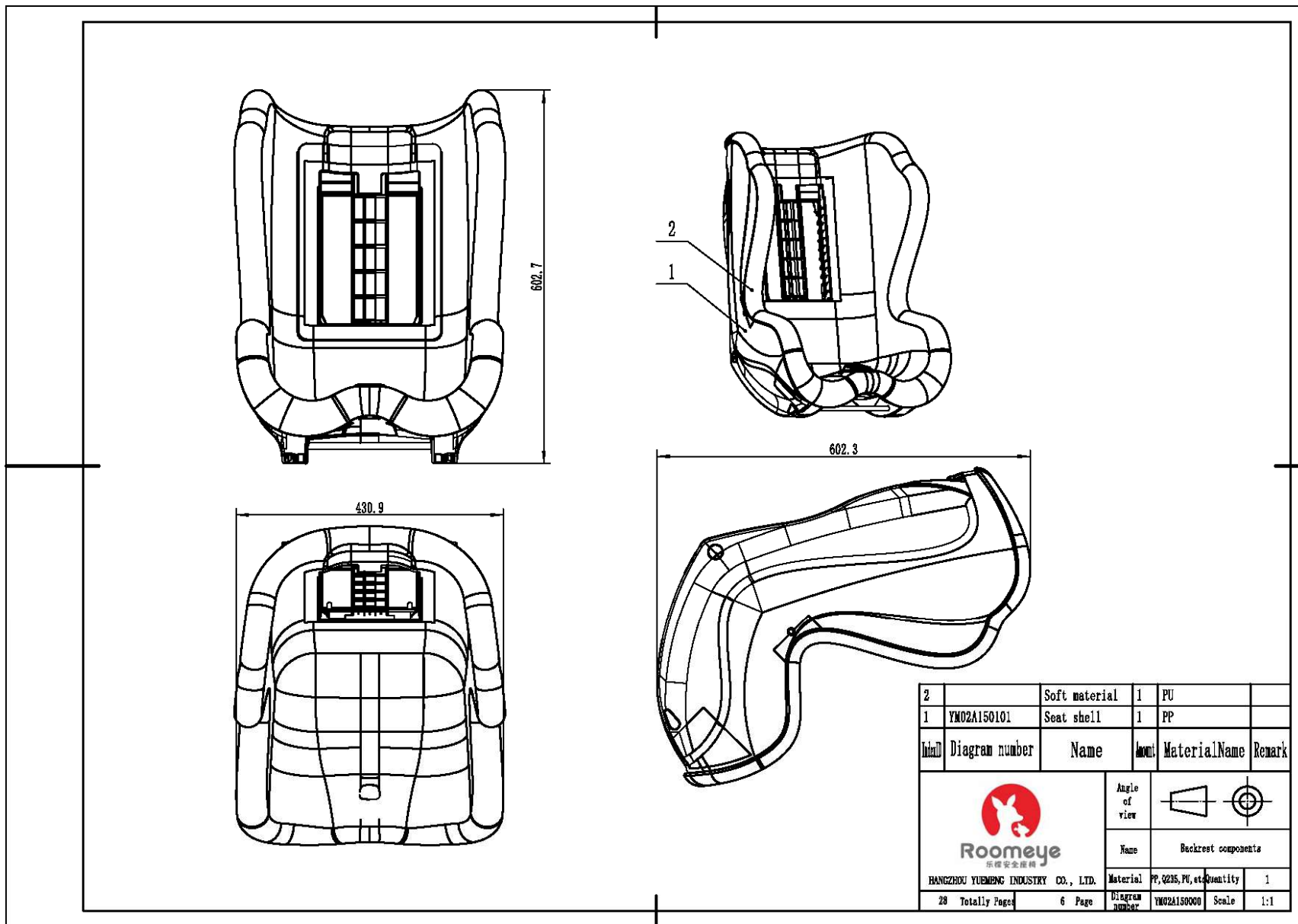
 <b>Roomeye</b> 乐橙安全座椅	Angle of view		
	Name	PIONEER-I Galaxy Explosion Figure	
HANGZHOU YUEMENG INDUSTRY CO., LTD.	Material	PP, AL6063, PU, etc	Quantity 1
28 Totally Pages	2 Page	Diagram number YM02B000000-2	Scale 1:1

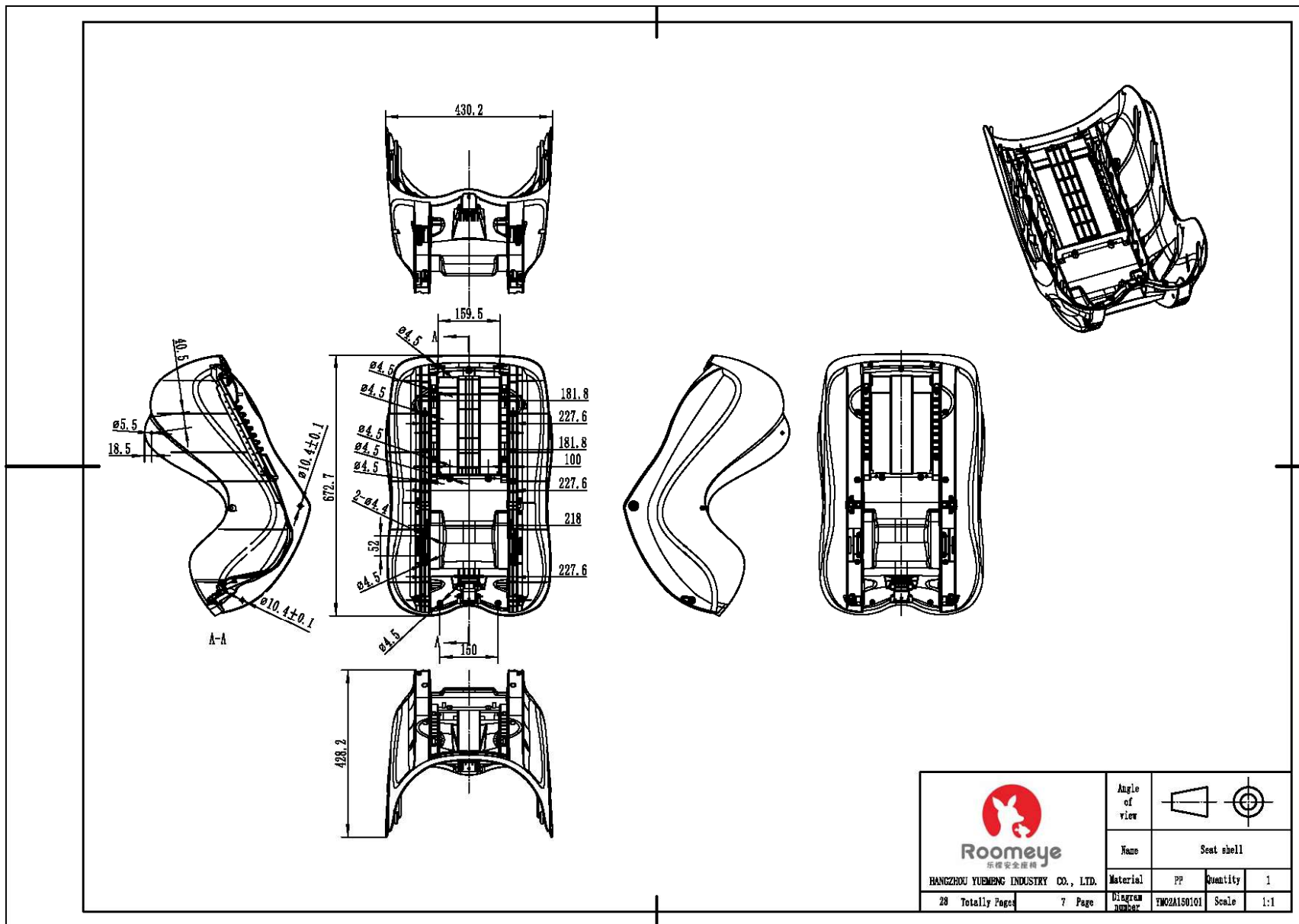






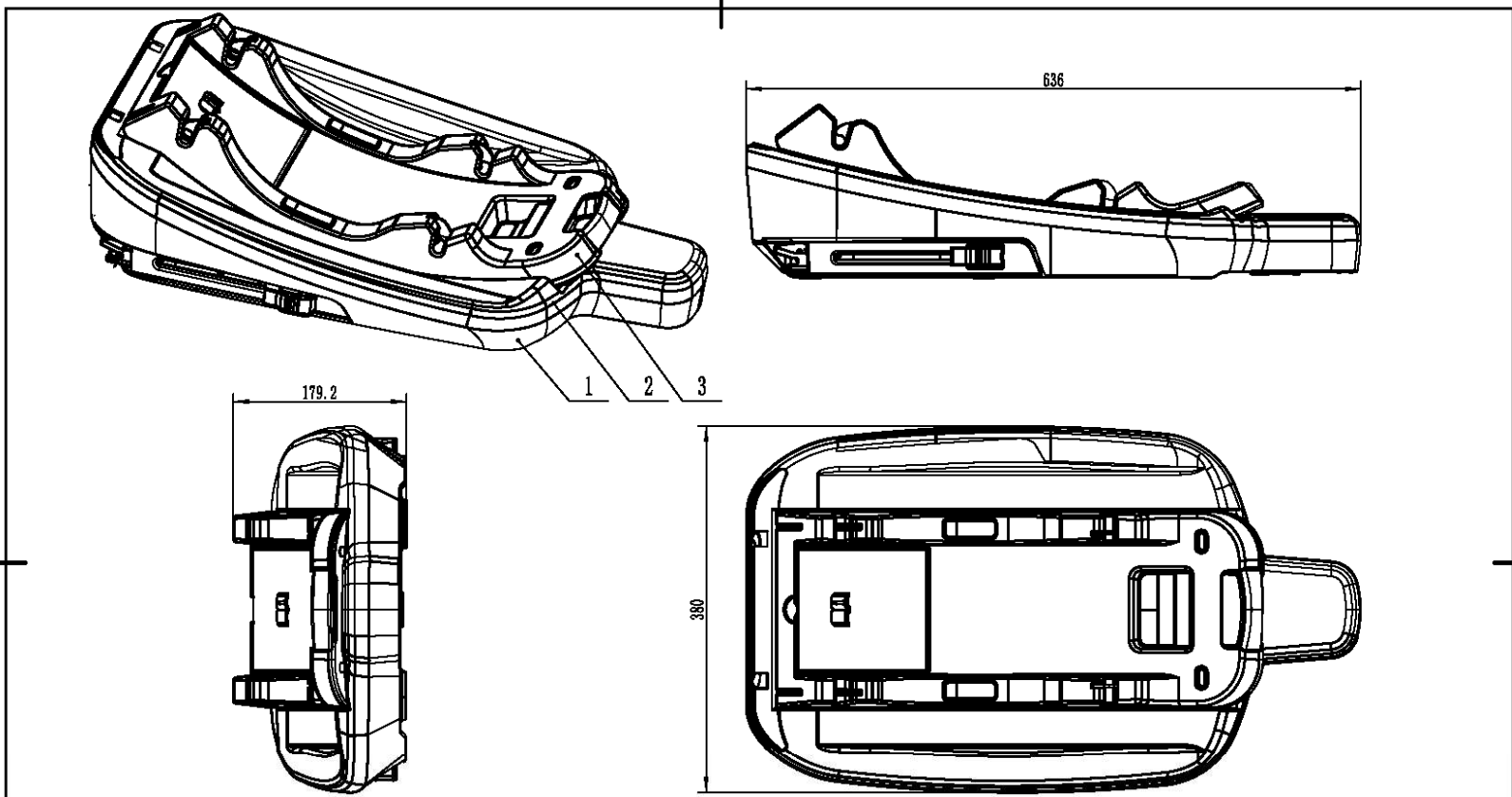






 <b>Roomeye</b> 乐橙安全座椅	Angle of view		
	Name	Seat shell	
HANGZHOU YUEMENG INDUSTRY CO., LTD.	Material	PP	Quantity 1
28 Totally Pages	7 Page	Diagram number YWZAI50101	Scale 1:1



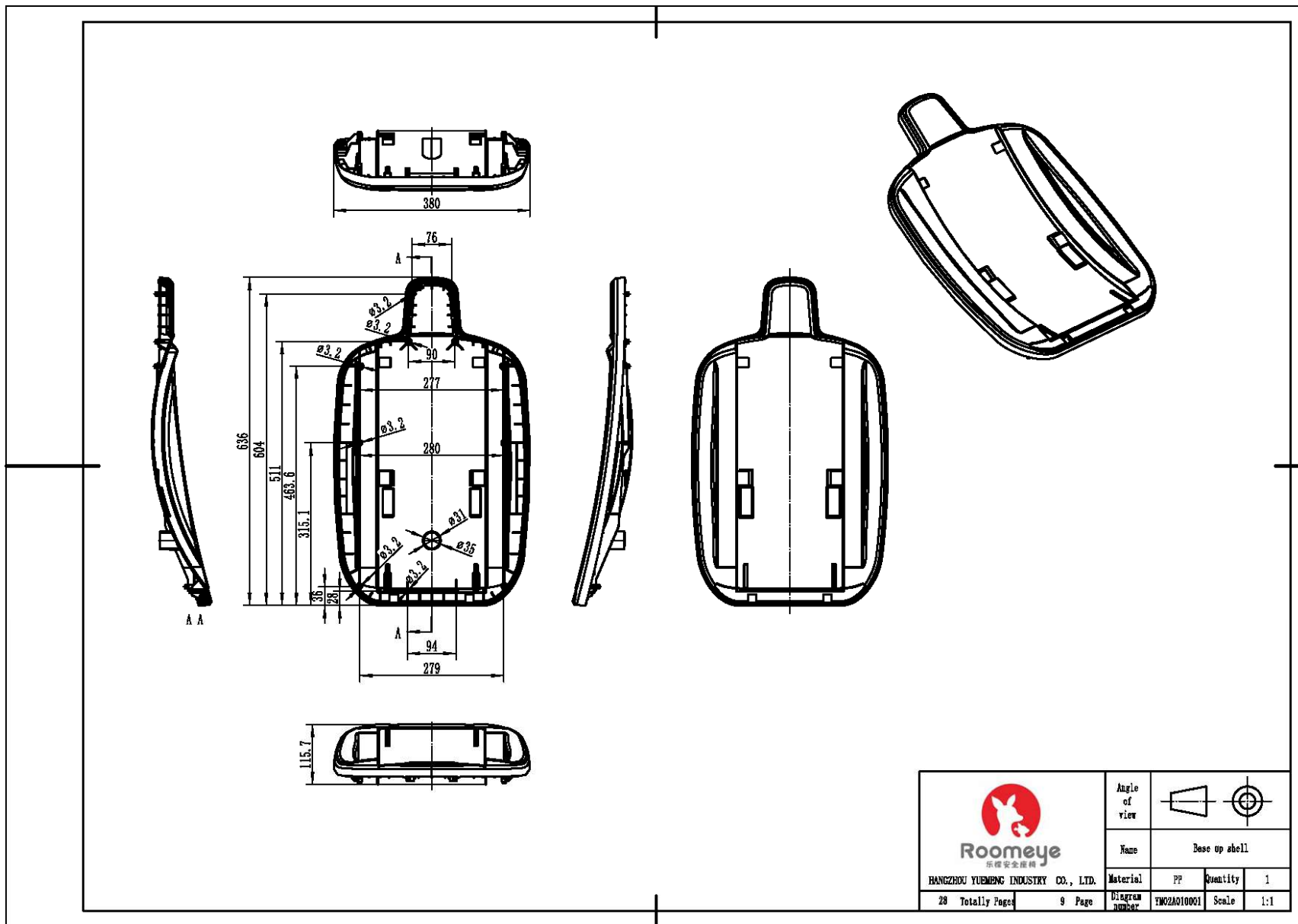


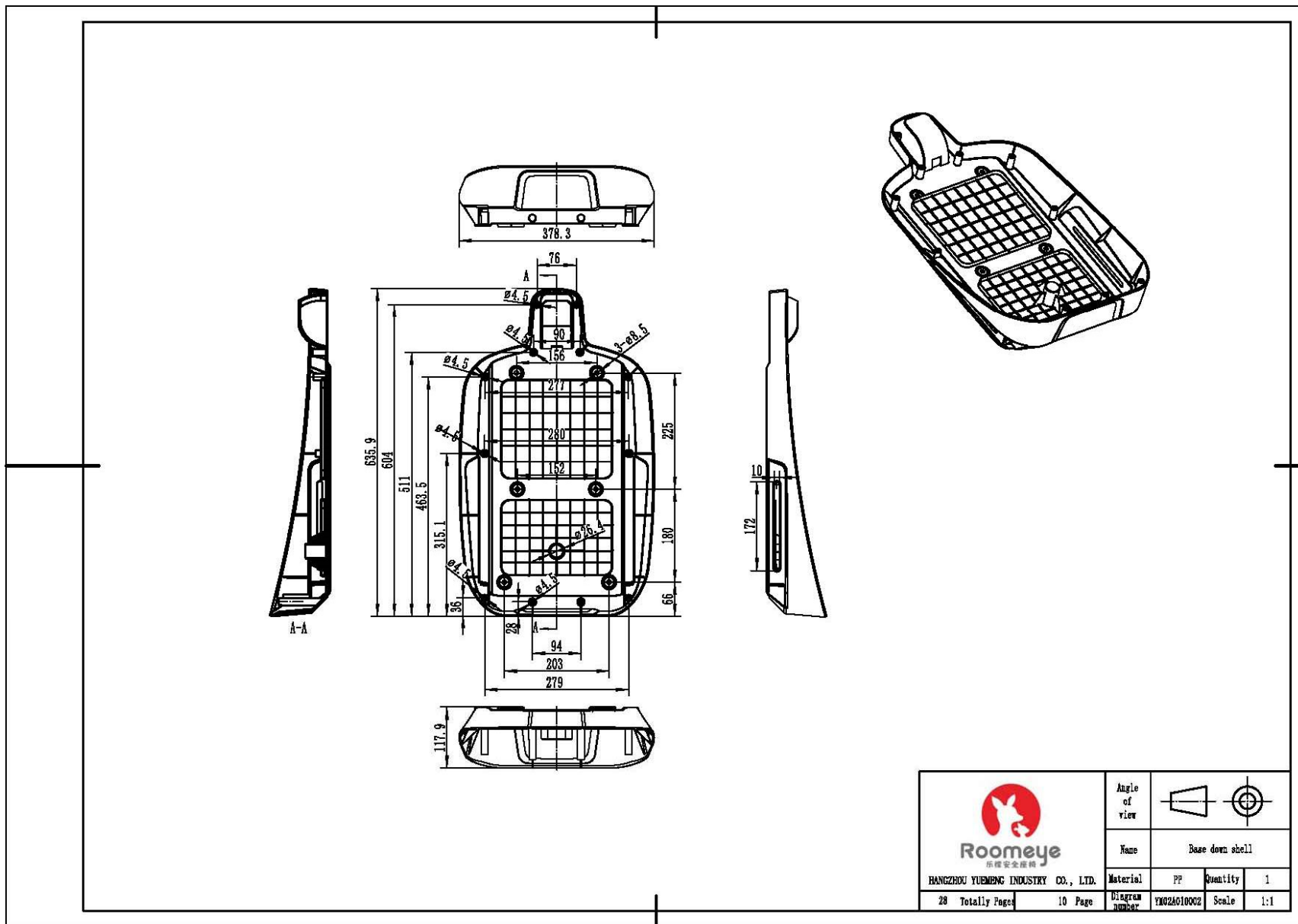
3	YM02B010200	Seat angle adjusting component	1	SPCC, SPFH40, PP, etc	
2	YM02A010001	Base up shell	1	PP	
1	YM02A010002	Base down shell	1	PP	
Index	Diagram number	Name	Amount	MaterialName	Remark

 <b>Roomeye</b> 乐橙安全座椅	Angle of view				
	Name	Base components			
HANGZHOU YUEMENG INDUSTRY CO., LTD.	Material	PP, ABS, SPFH40, etc	Quantity	1	
28 Totally Pages	8 Page	Diagram number	YM02A010000	Scale	1:1



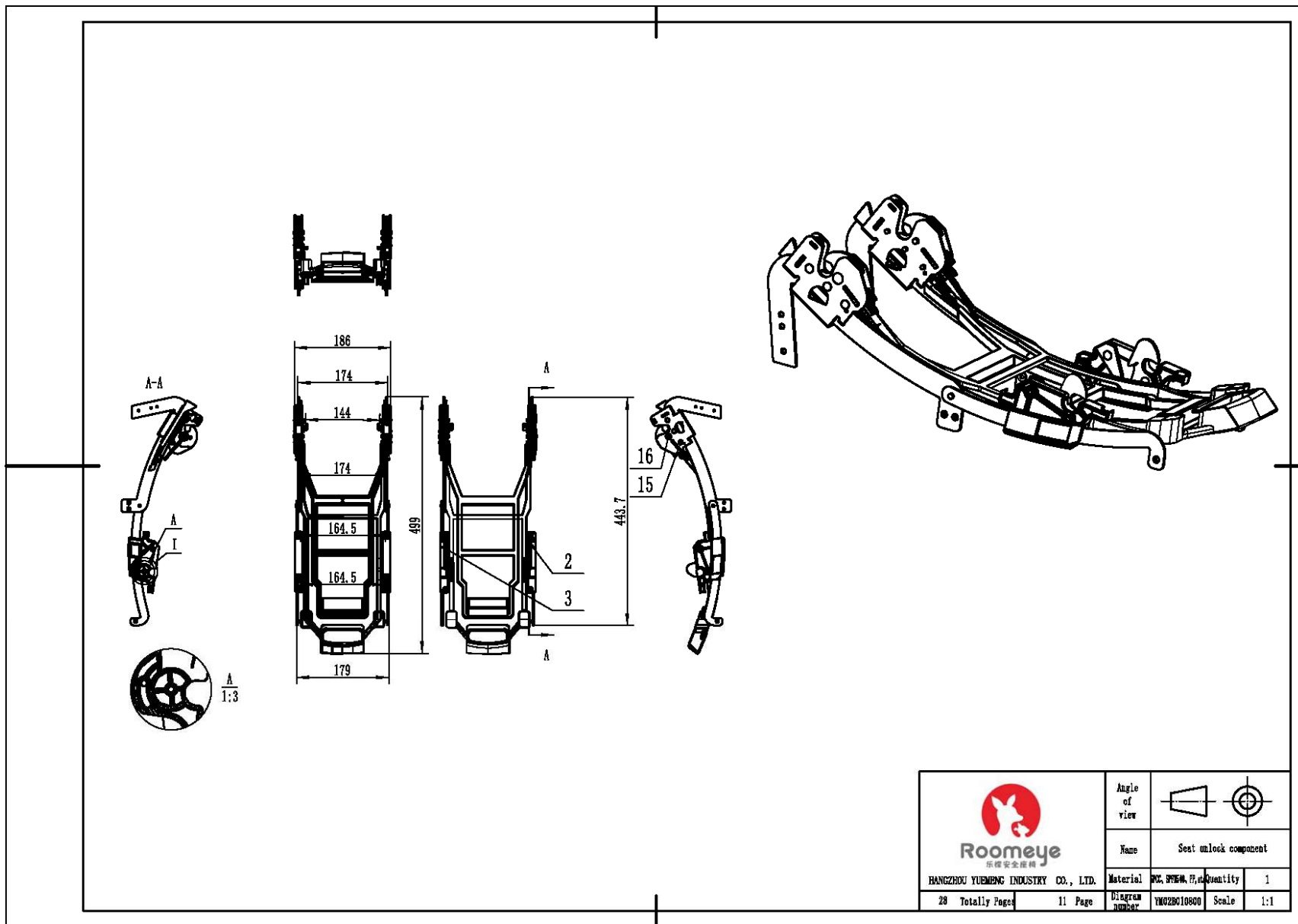


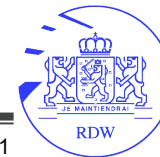
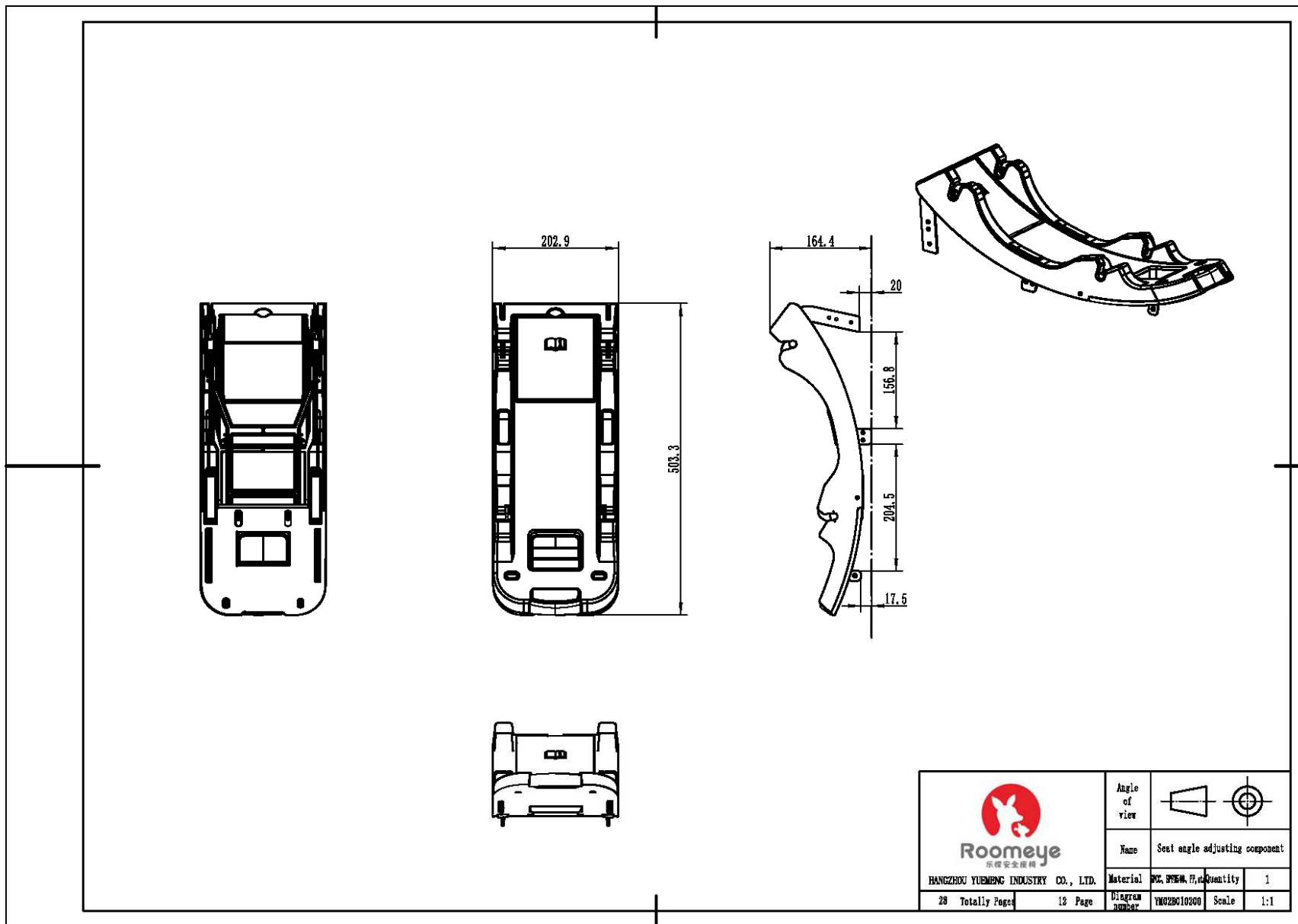


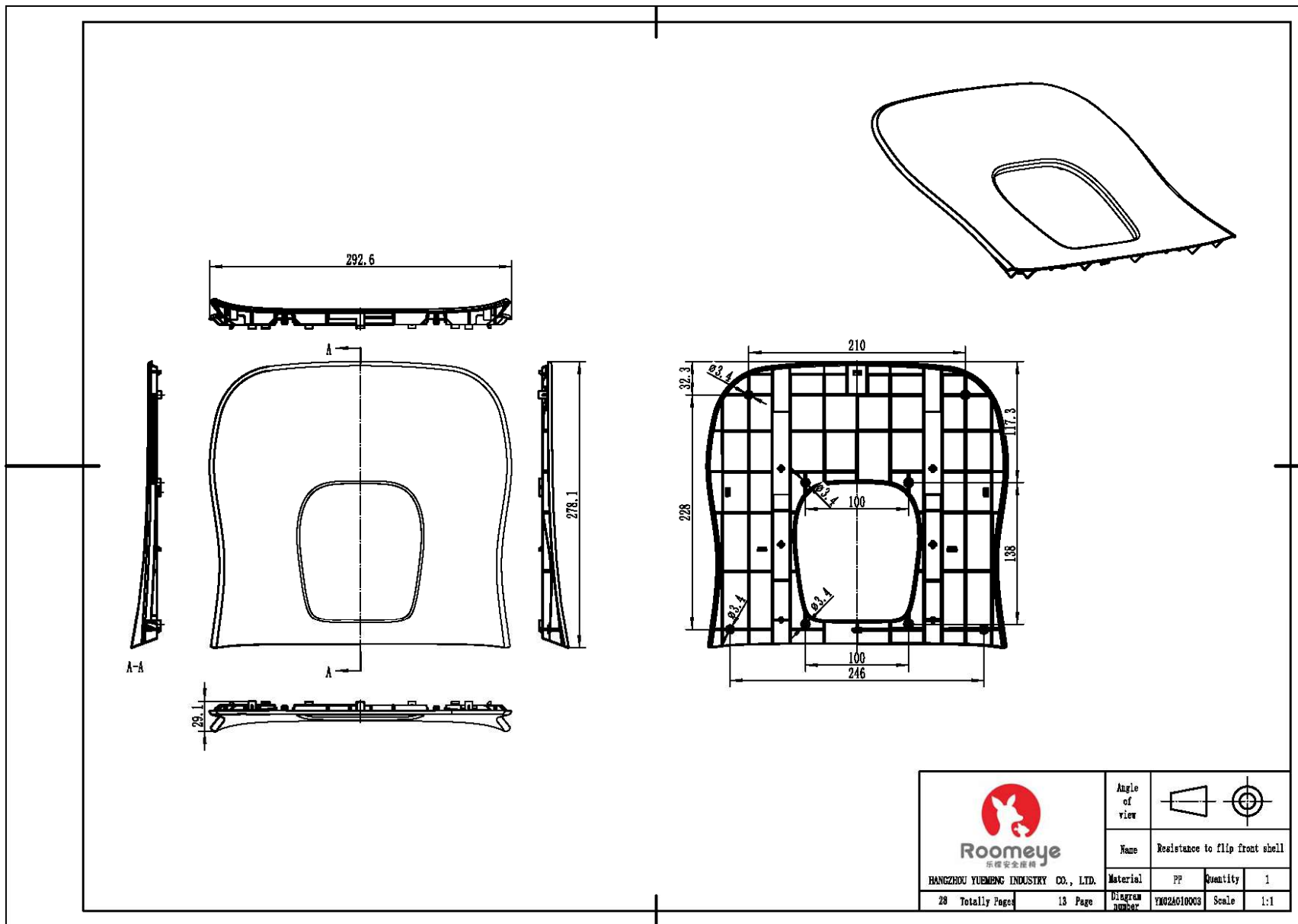


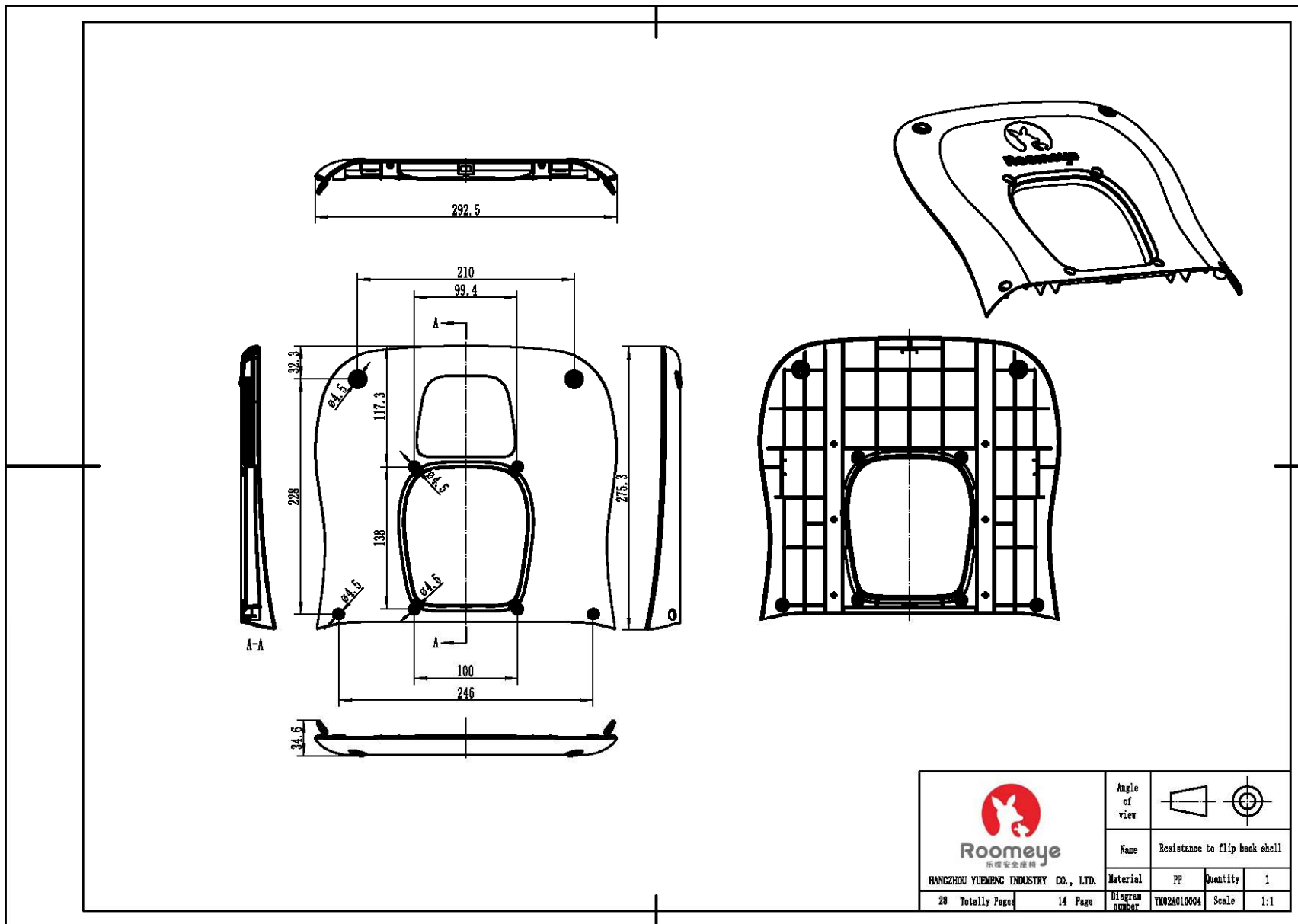
 <b>Roomeye</b> 邦能安全机械	Angle of view		
	Name	Base down shell	
HANGZHOU YUEMENG INDUSTRY CO., LTD.	Material	PP	Quantity 1
28 Totally Pages	10 Page	Diagram number YK02A010002	Scale 1:1

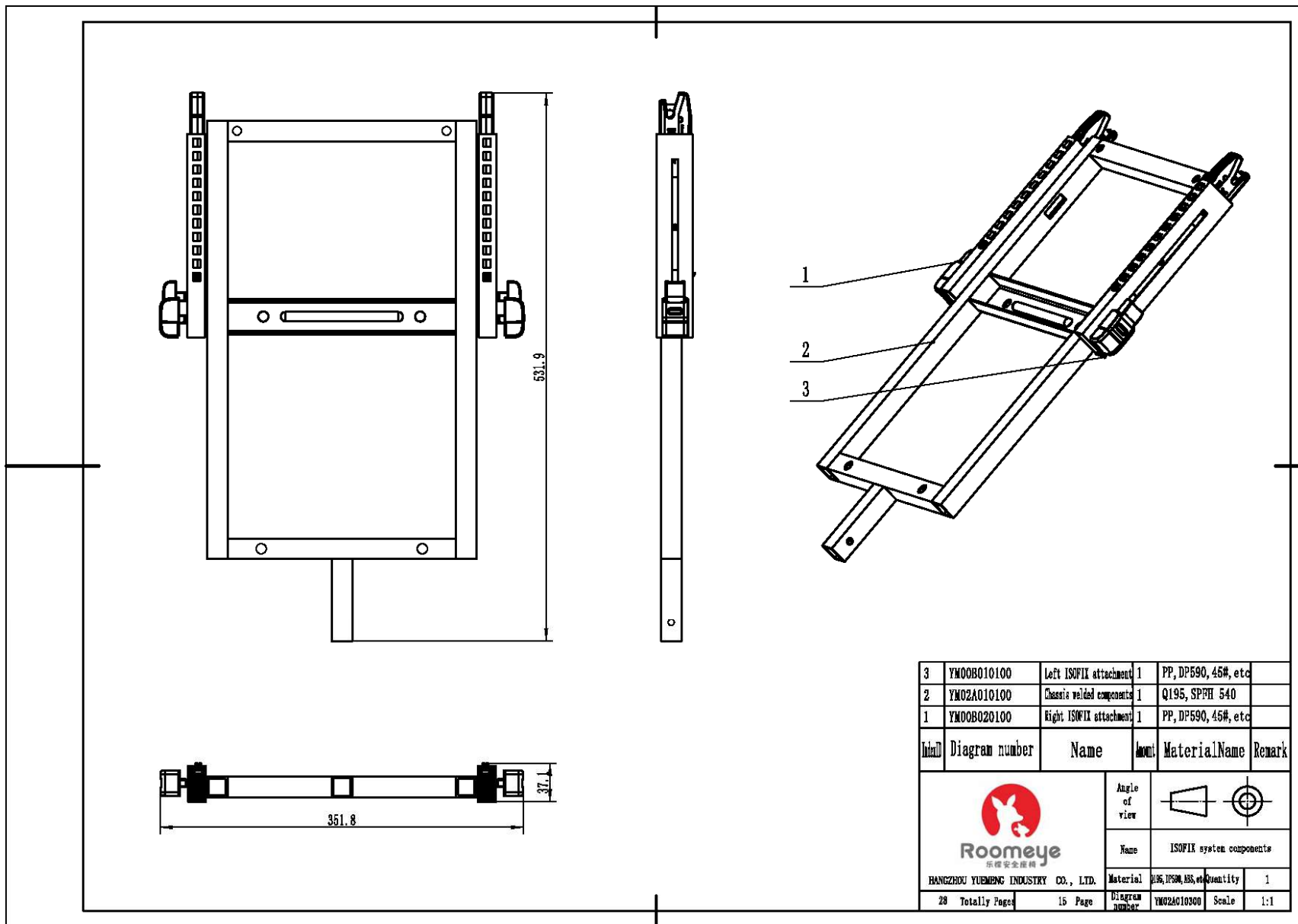


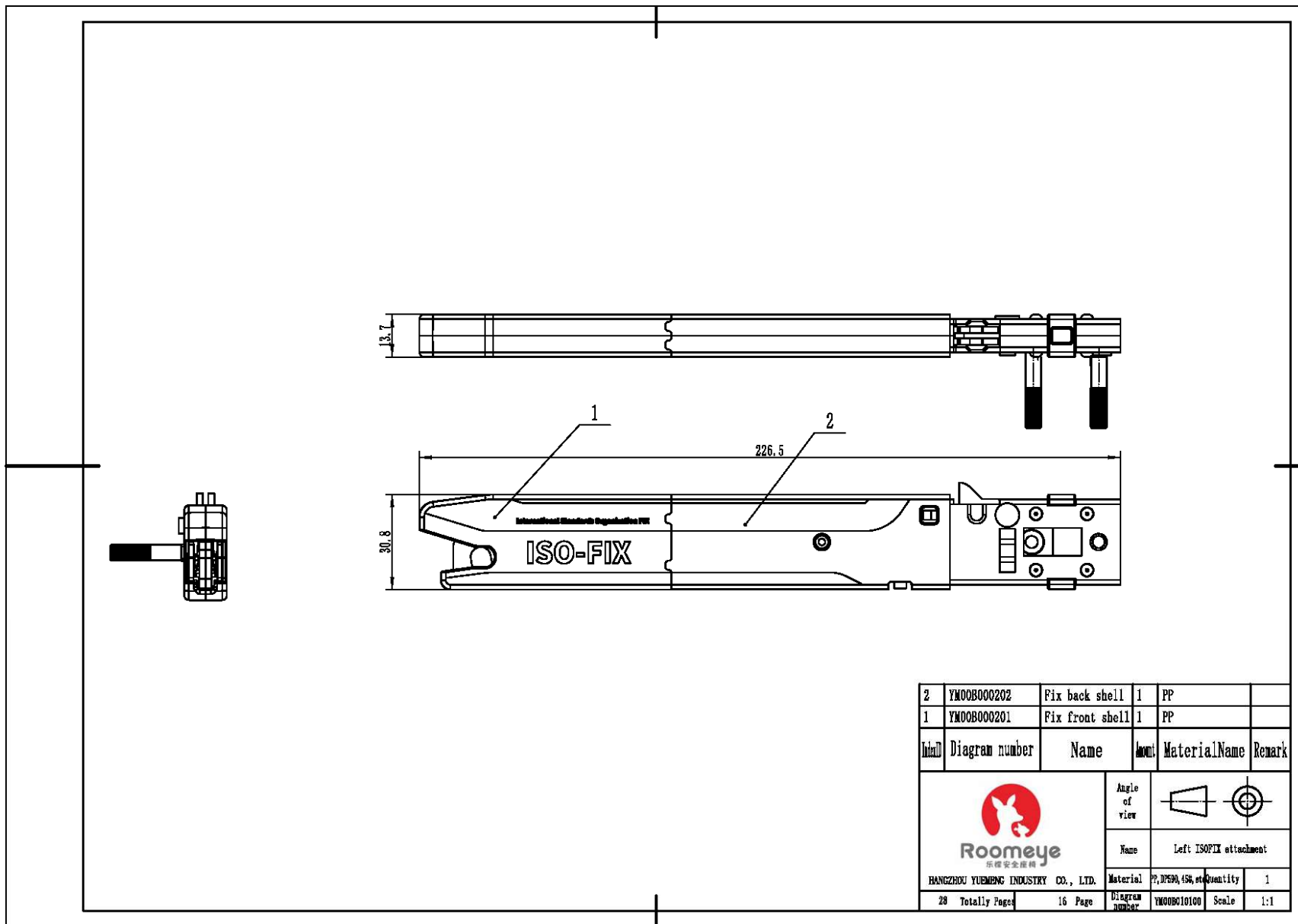




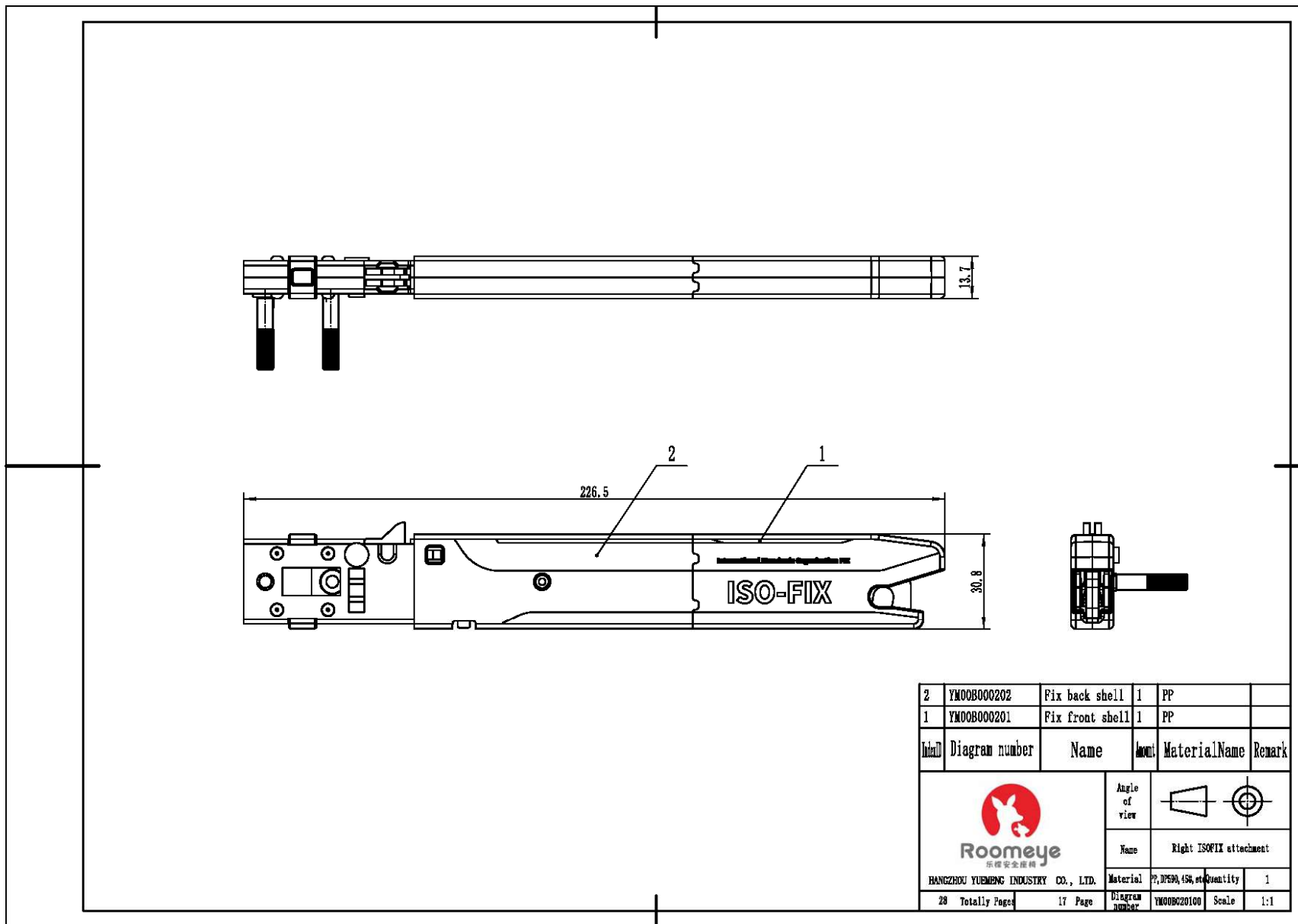


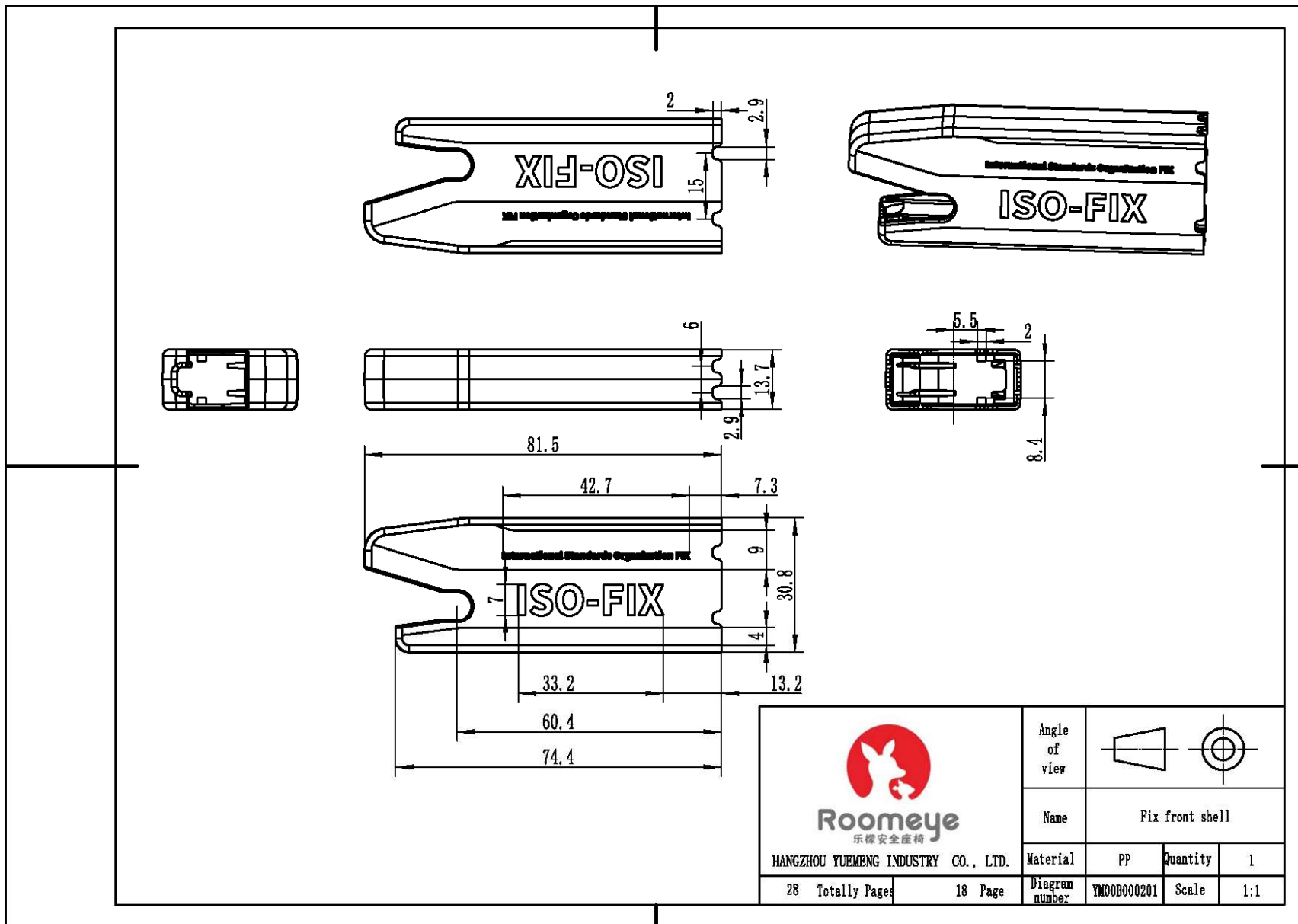


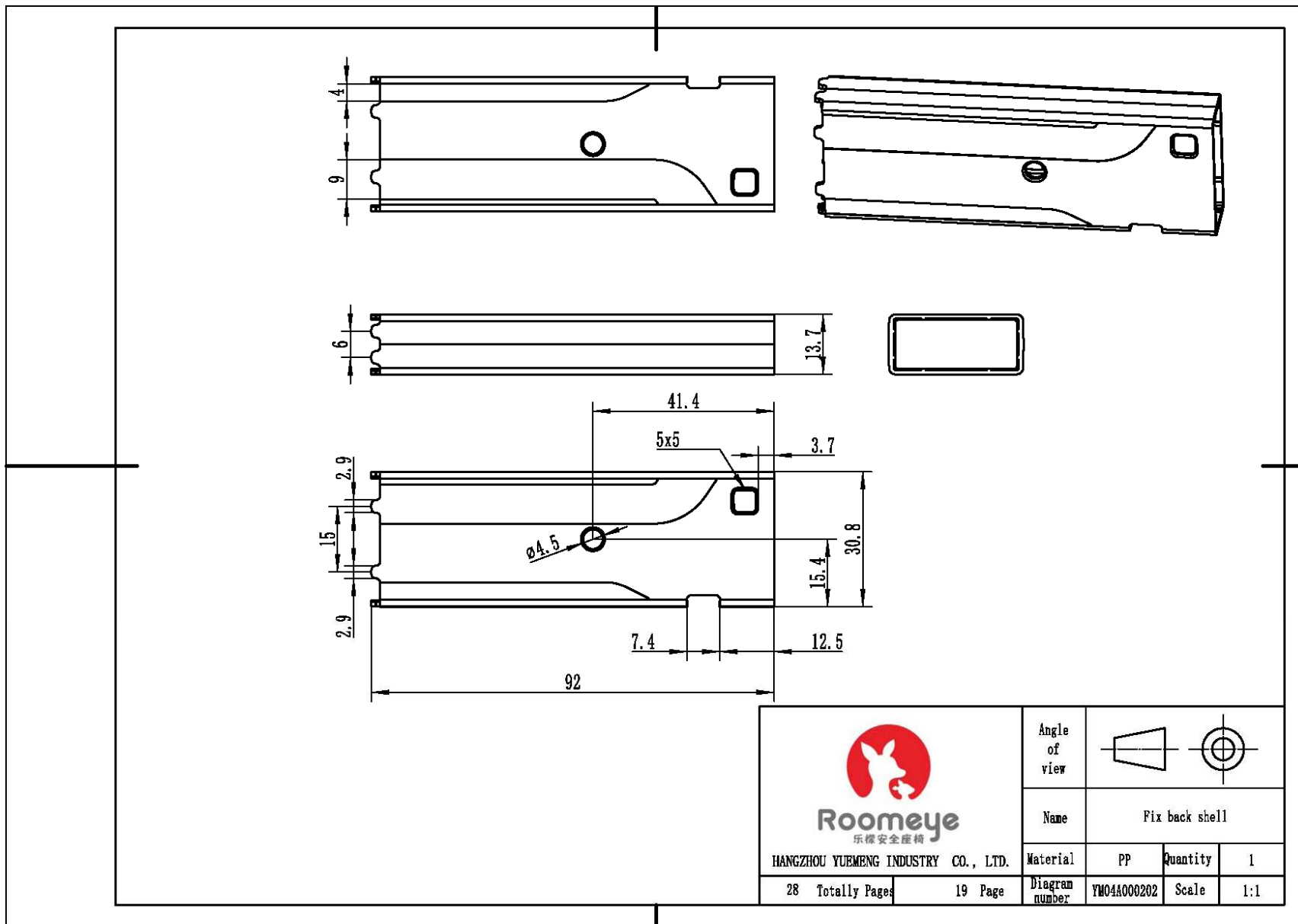


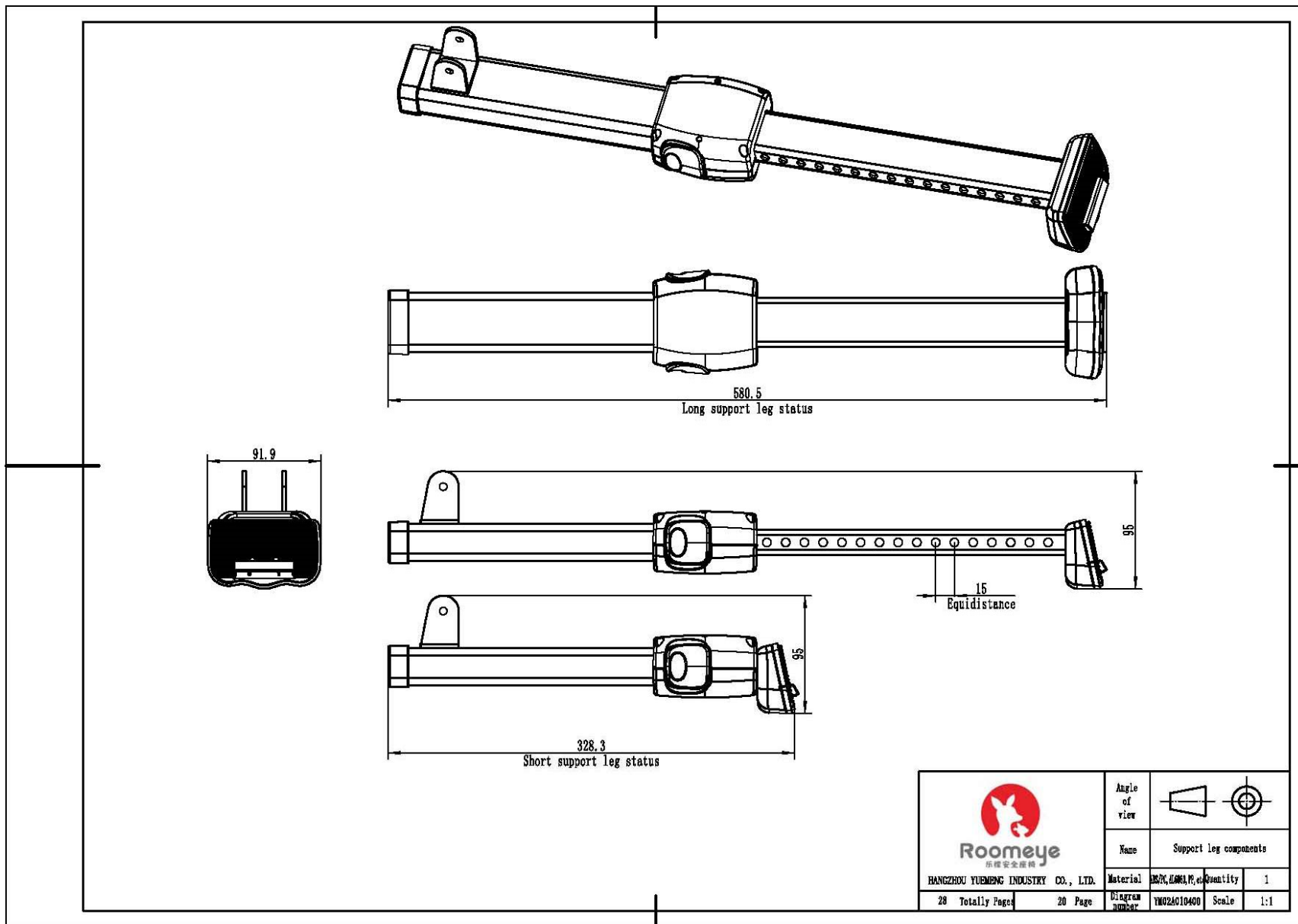


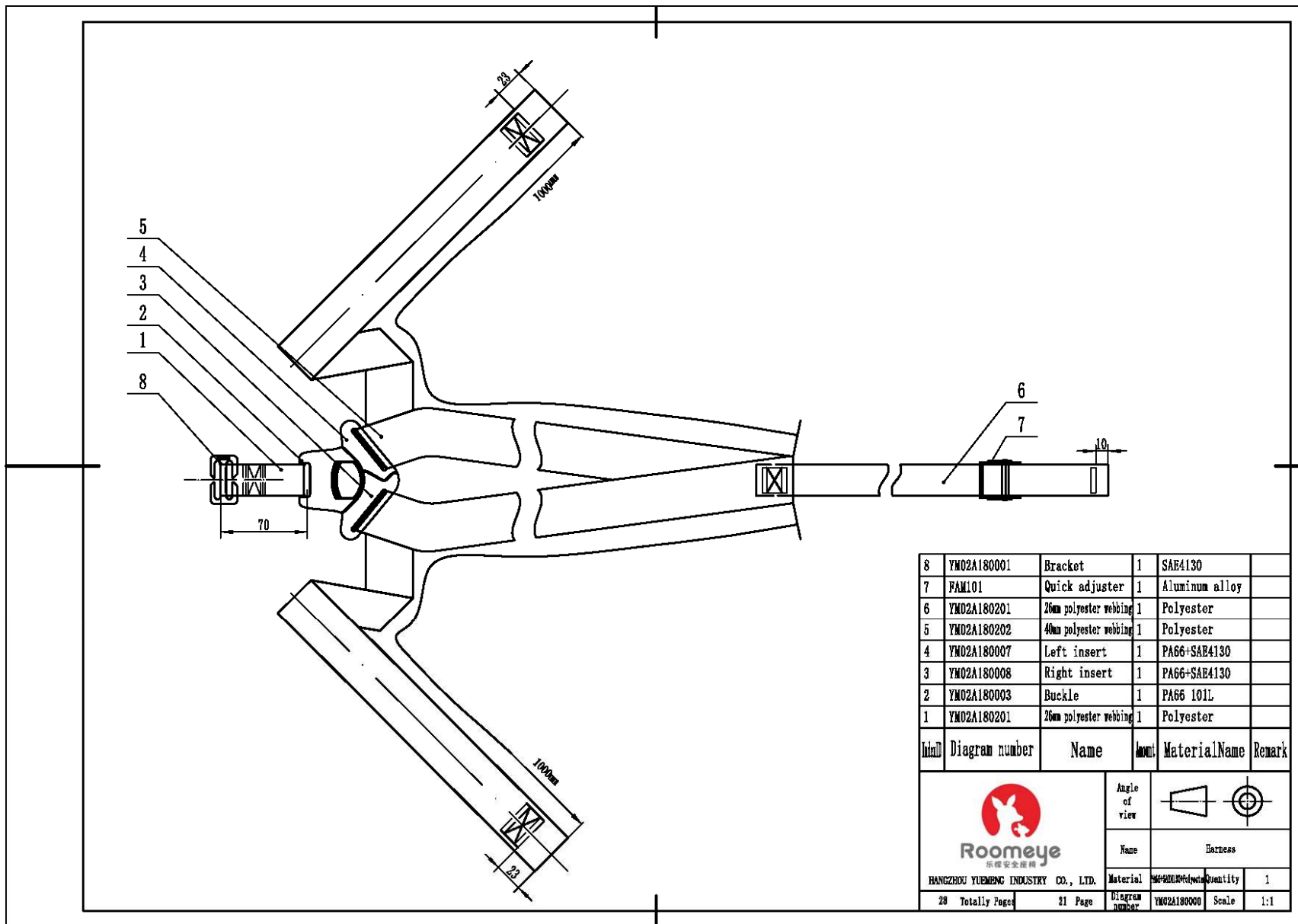








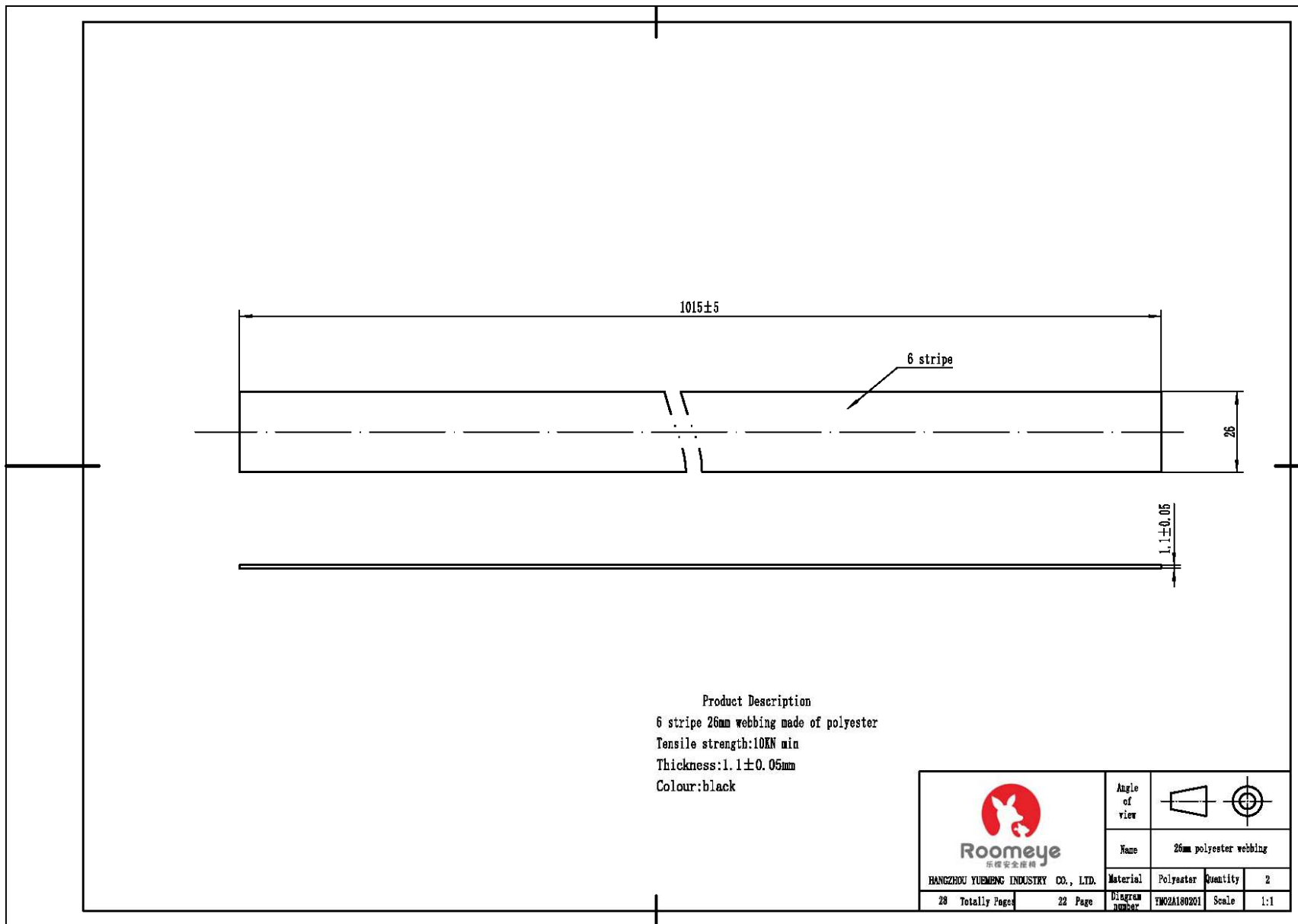


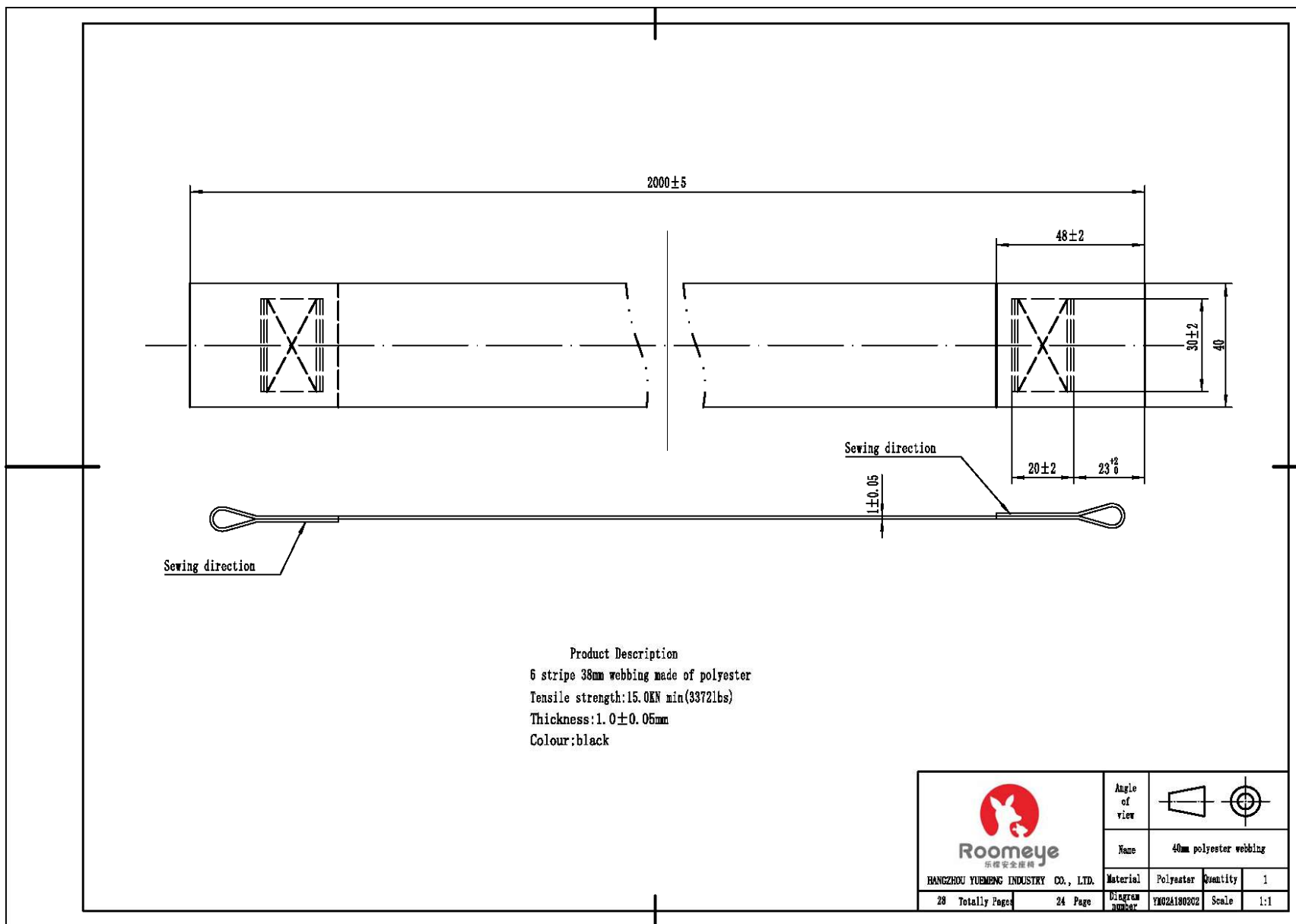


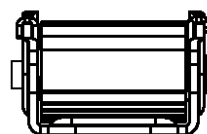
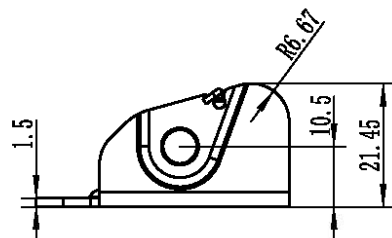
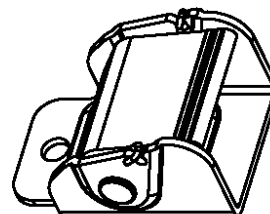
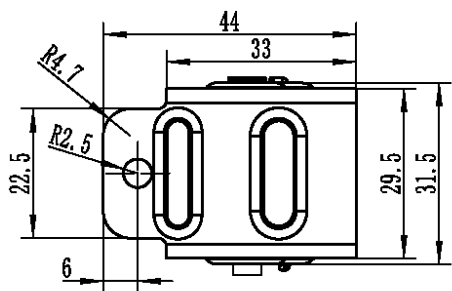
8	YM02A180001	Bracket	1	SAE4130	
7	FAM101	Quick adjuster	1	Aluminum alloy	
6	YM02A180201	26mm polyester webbing	1	Polyester	
5	YM02A180202	40mm polyester webbing	1	Polyester	
4	YM02A180007	Left insert	1	PA66+SAE4130	
3	YM02A180008	Right insert	1	PA66+SAE4130	
2	YM02A180003	Buckle	1	PA66 101L	
1	YM02A180201	26mm polyester webbing	1	Polyester	
Ind	Diagram number	Name	Amount	MaterialName	Remark


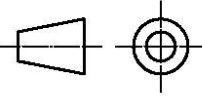
 <b>Roomeye</b> 乐橙安全器械		Angle of view			
		Name	Harness		
HANGZHOU YUEMENG INDUSTRY CO., LTD.		Material	YM02A180001	Quantity	1
28	Totally Pages	31	Page	Diagram number	YM02A180000
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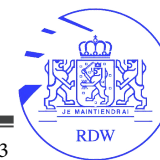




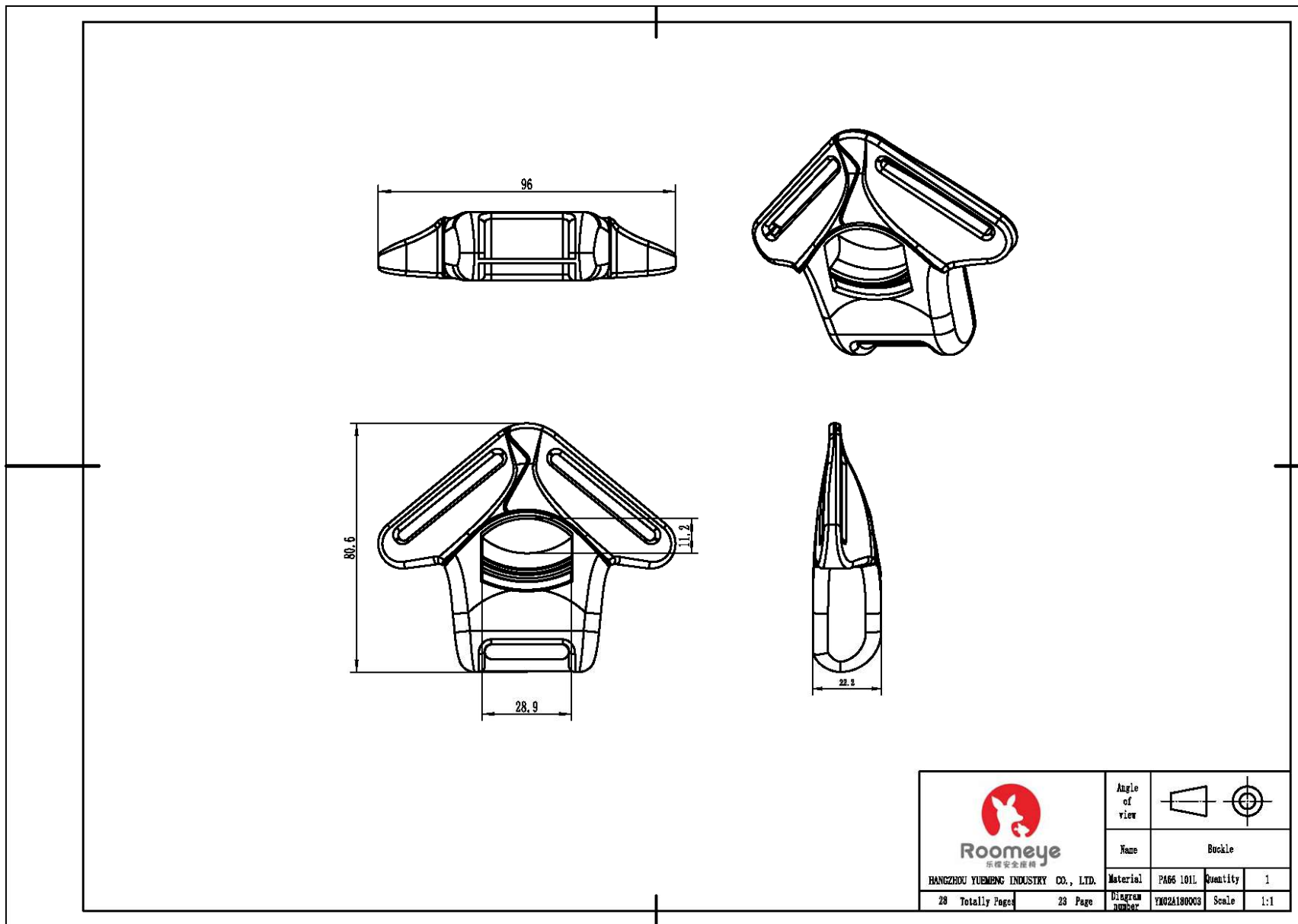


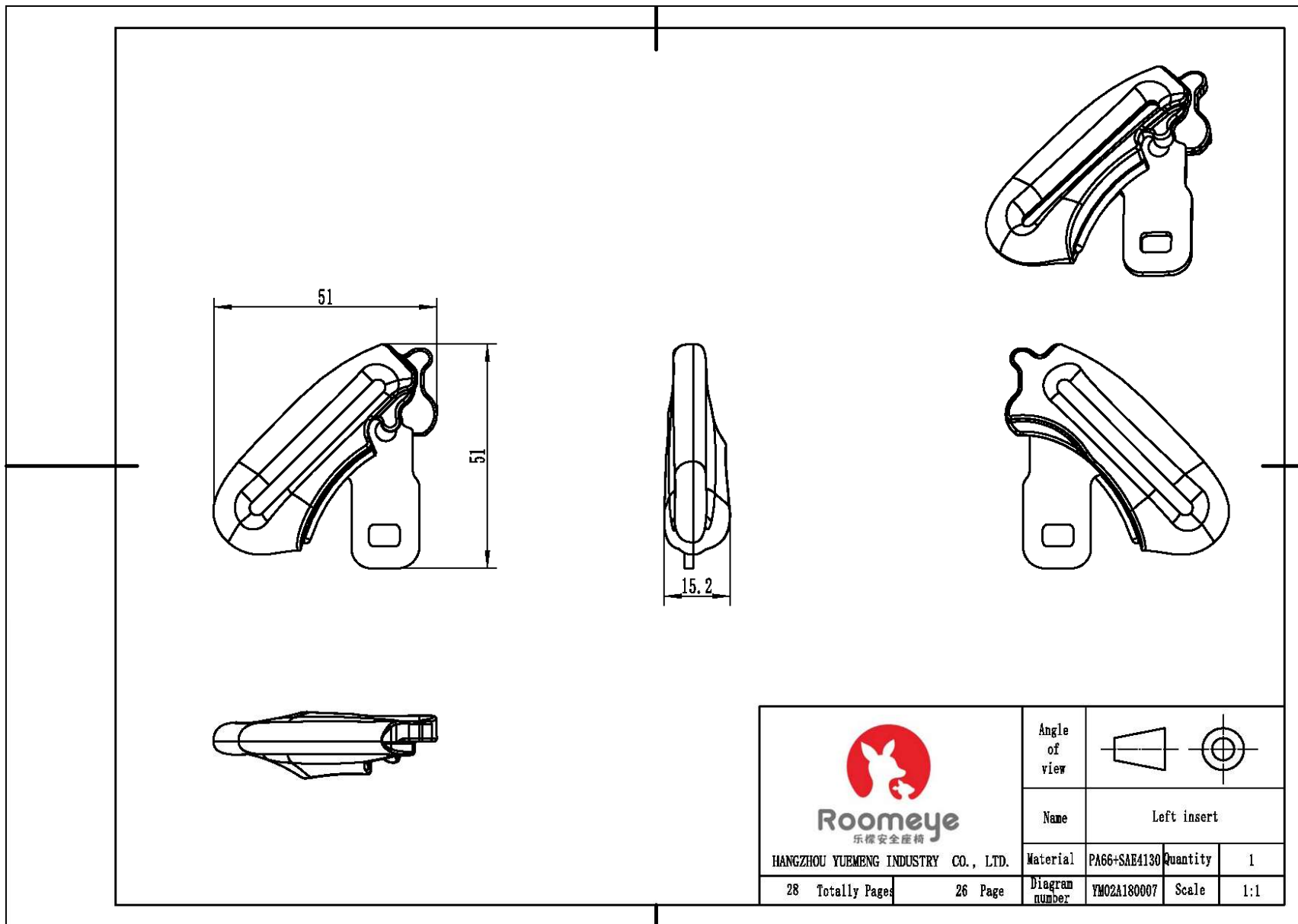


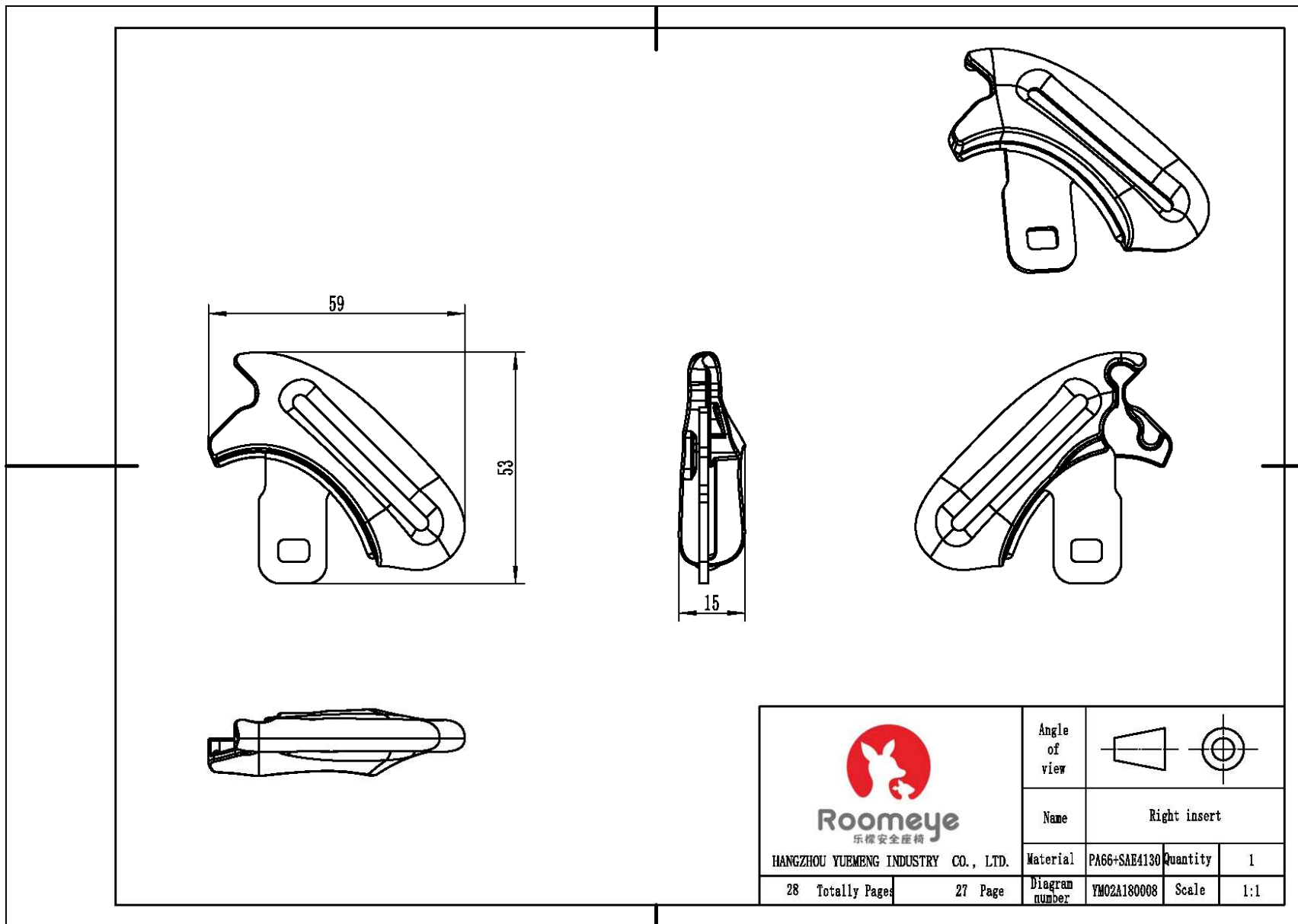
 <b>Roomeye</b> 乐檬安全座椅 HANGZHOU YUEMENG INDUSTRY CO., LTD.	Angle of view				
	Name	Adjuster			
Material	Aluminum alloy	Quantity	1		
Diagram number	FAM101	Scale	1:1		

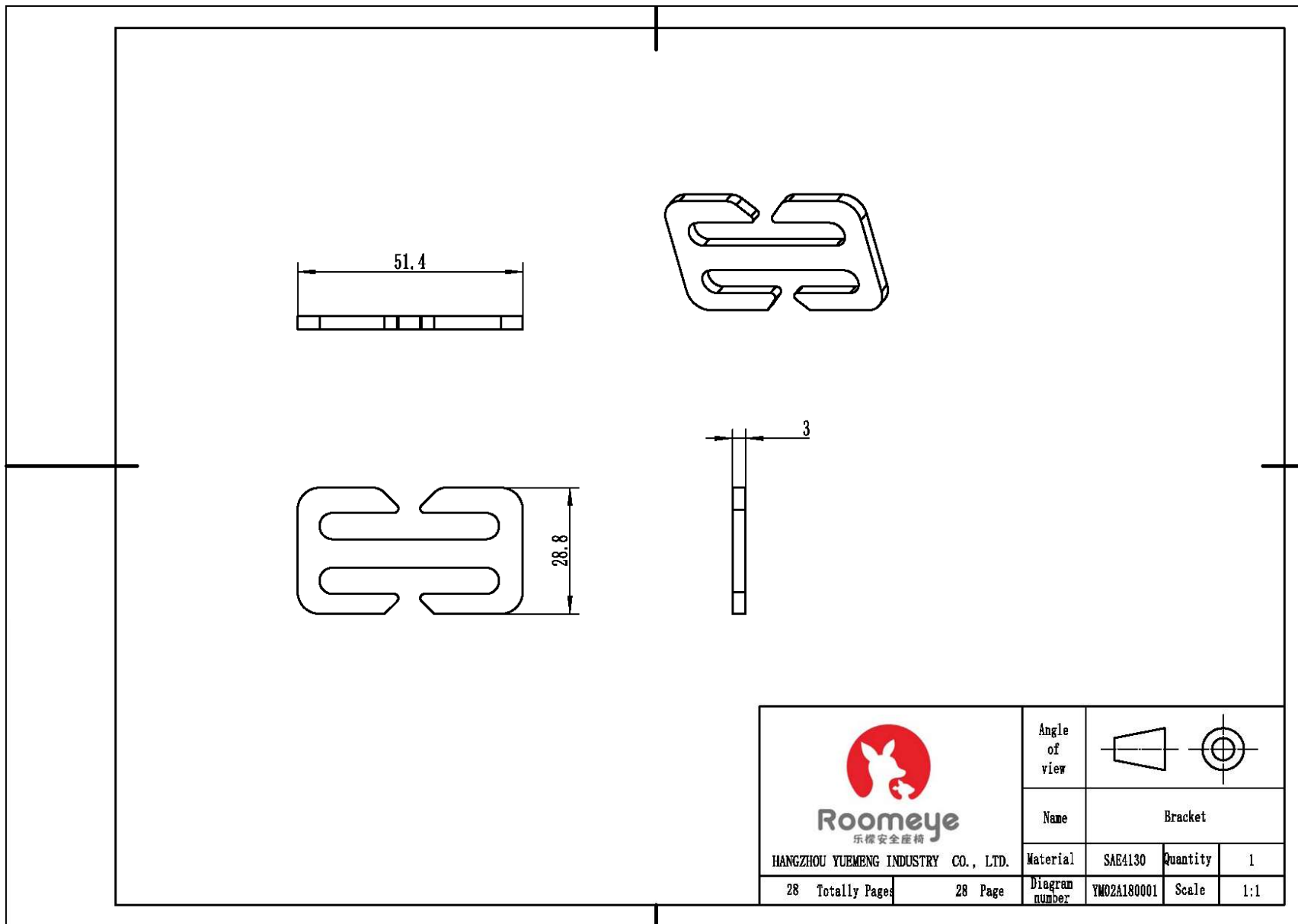




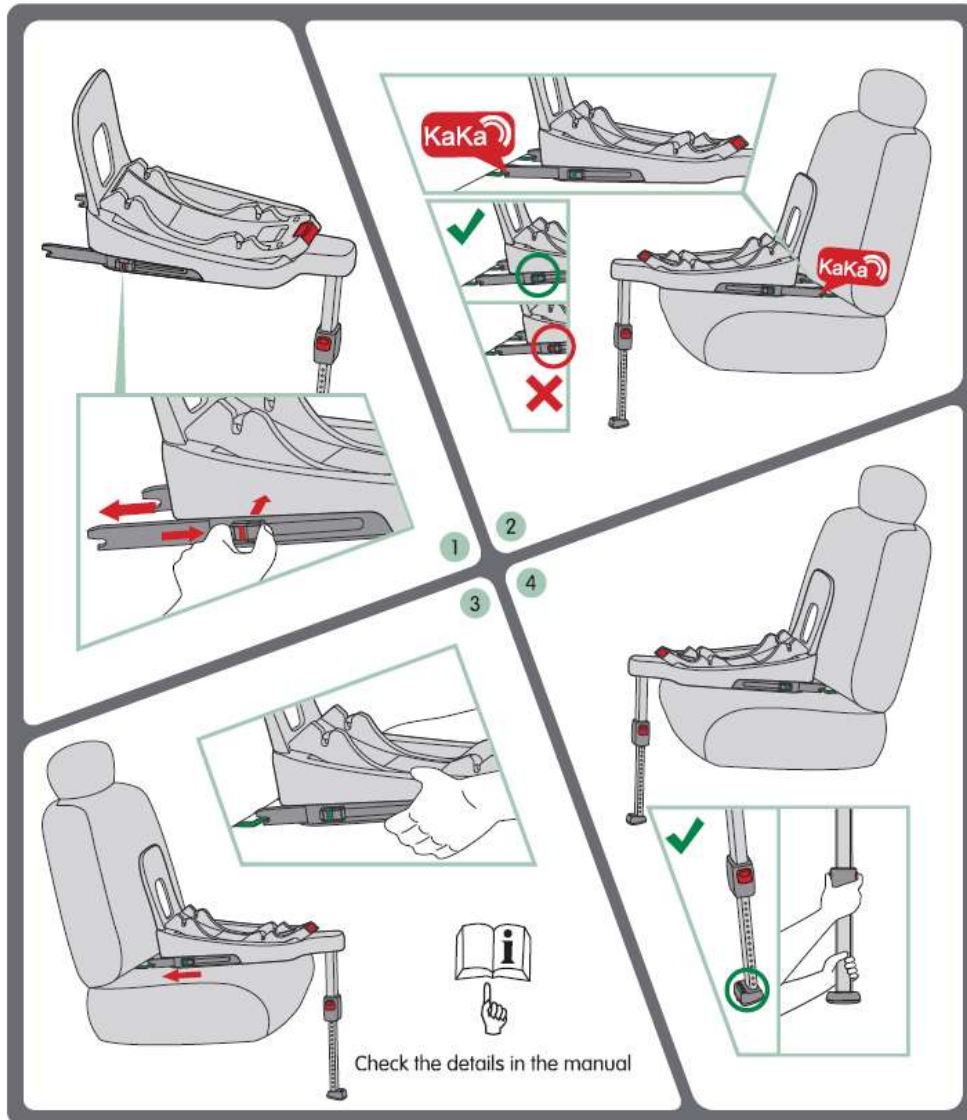


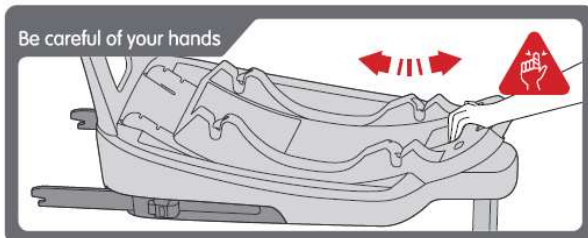
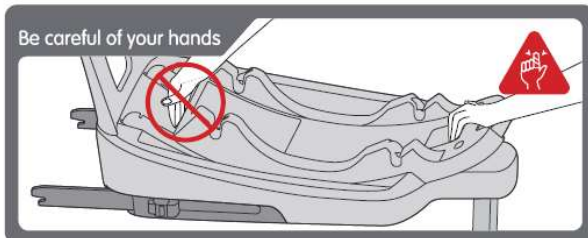


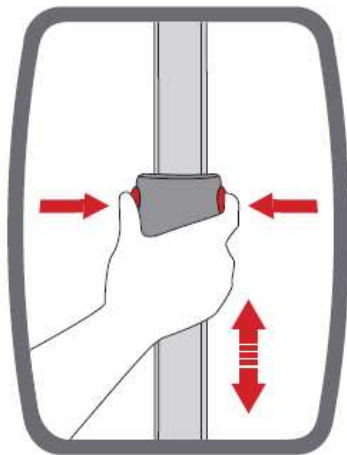




### 5.Product Label







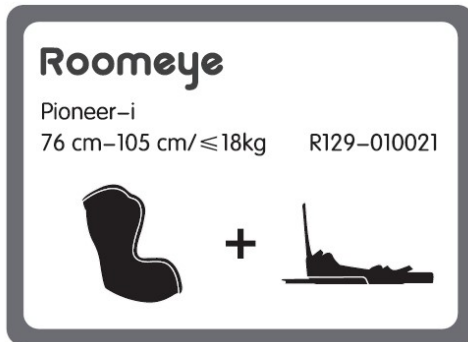
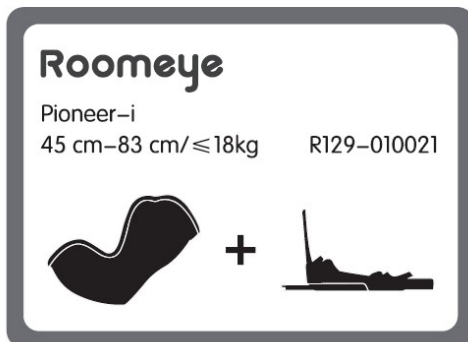
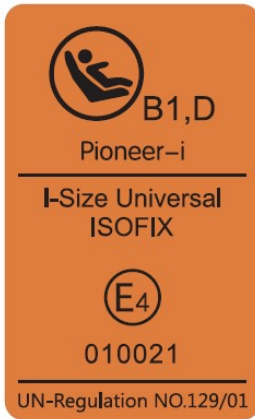
Rear-facing installation (45-83cm)	Forward installation (76-105cm)	Disassembly

**Roomeye**

Product:  
ISOFIX Child Car Seat  
Model : Pioneer-i  
Made in: **China**

Suitable:  
Rear-facing(45-83cm)  
MAX: 18kg; 0-15M  
Forward(76-105cm)  
MAX: 18kg; 15M-4Y

**WARNING:** 1.Please don't sit your child Forward before 15months (Check the details in the manual)  
2.Never use other stress points unmarked





## 6.Package Information



# Pioneer-i

Rear-facing(45-83cm);Max:18kg;0-15M  
Forward(76-105cm);Max:18kg;15M-4Y

**Made in CHINA**  
China Zhejiang Hangzhou Yuemeng Industry Co.,Ltd.  
Guali Town, Xiaoshan District, Hangzhou, Zhejiang, China.  
www.roomeyseat.com

NOTICE

- 1.This is an i-size child restraint system. It is approved by ECE R129, for use on i-size compatible vehicle seat as indicated by vehicle manufacturers in the vehicle users' manual.
- 2.It will fit vehicles with positions approved as ISOFIX positions (as detailed in the vehicle handbook), depending on the category of the child seat and the fixture.
- 3.The mass group and the ISOFIX size class for which this device is intended is:  
0-13kg, class D; 9-18kg, class B1

Do not use forward mode before the child is 15 months old & less than 76cm height.  
If in doubts, consult either the child restraint manufacturer or the retailer.

WARNING: It can not be installed on the front seat equipped with airbag.

Product Information

Size:75X46X53cm	N.W:15kg	G.W:18.6kg	Quantity:ONE SET	Date:
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## 7.Flammability, Toxicity Declaration

We: Hangzhou Yuemeng Industry Co.,Ltd.

Address: Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, 311241, Zhejiang Province, China

Email:vp@roomeyeseat.com

Tax:+86-571-82350617

Item No.: child restraint system

We declare that the child restraint system made in our company: All materials used to make the child restraint are in accordance with the Regulation ECE 129 par. 6.3.1.1 for toxicity and par. 6.3.1. 2 for flammability.

Hereby declared!

Signature: Chaoyang Shen,  
Vice general Manager

Date: 2018-08-06

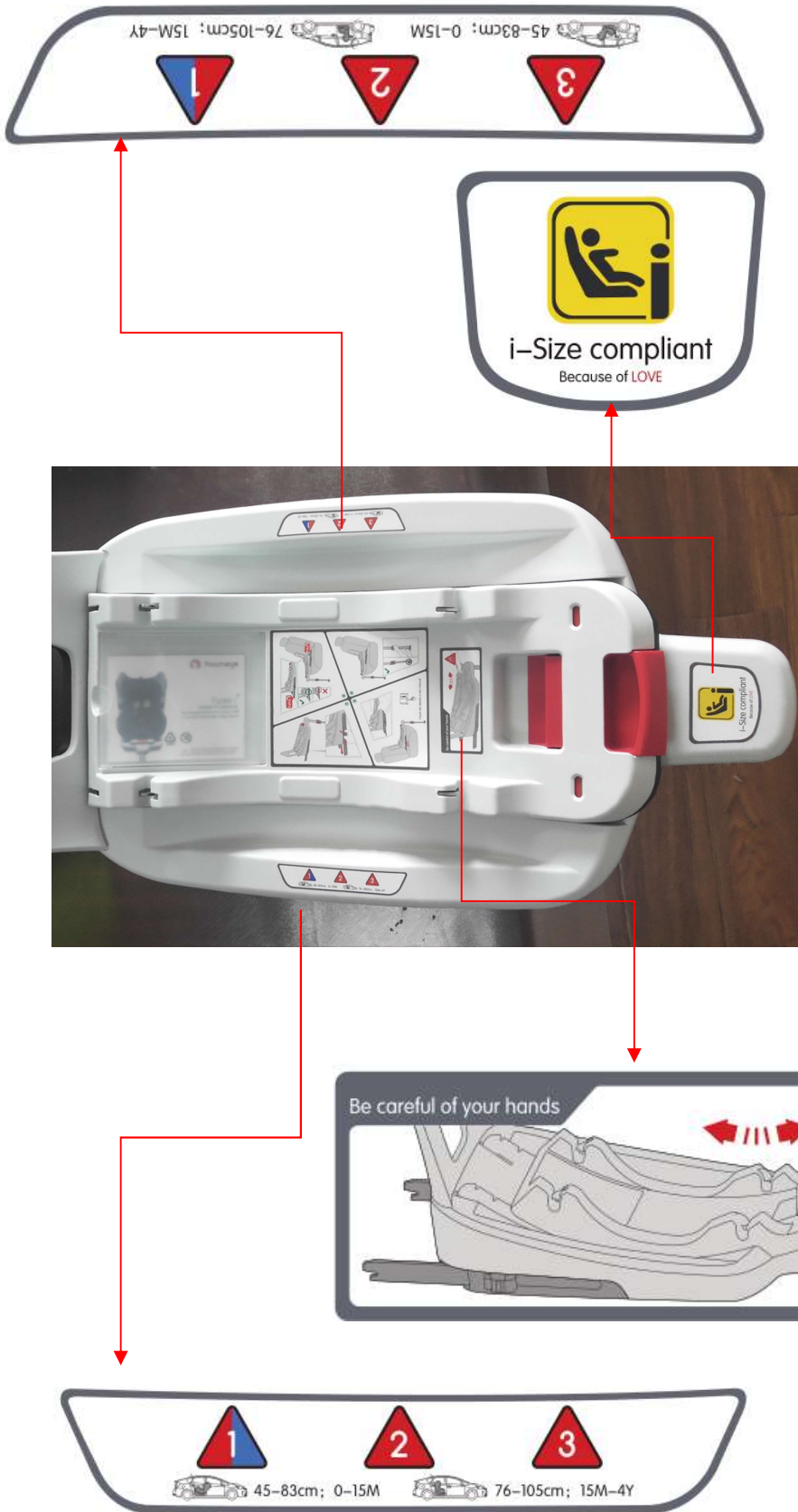


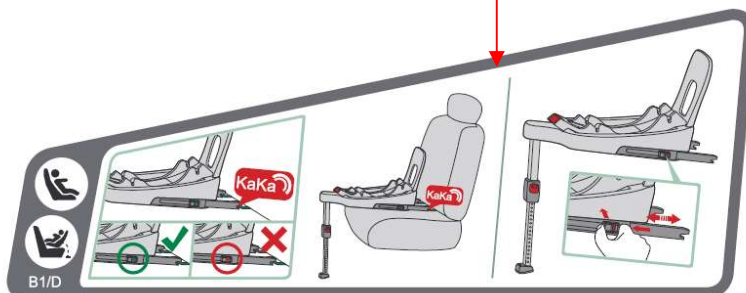
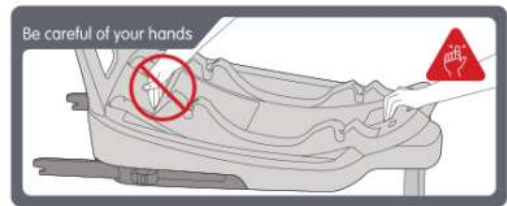
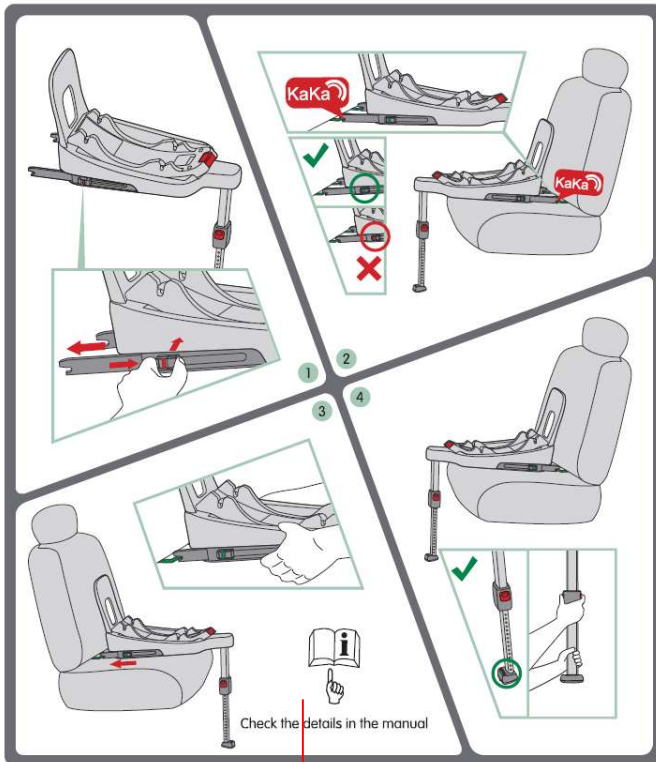
## 8. Instruction Storage Location Photo



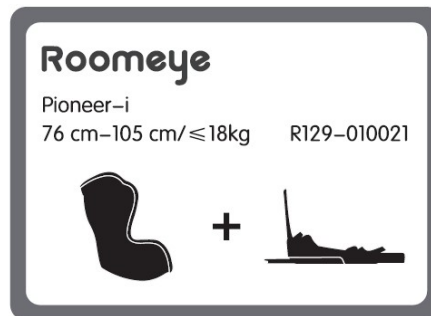
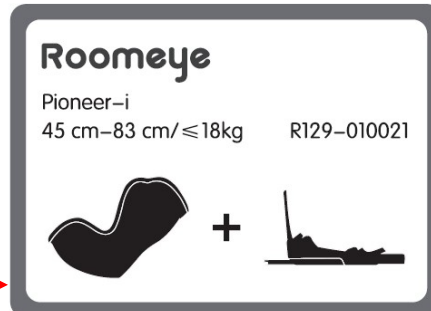
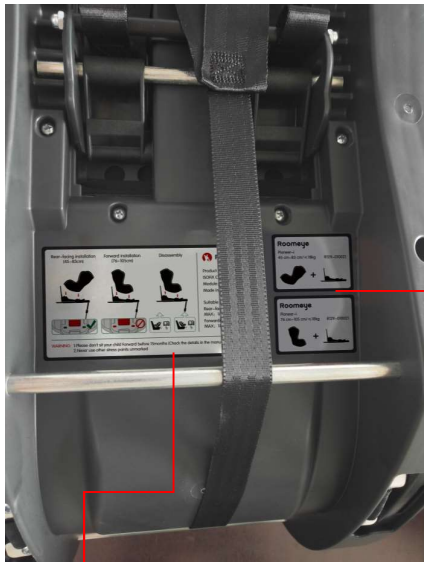
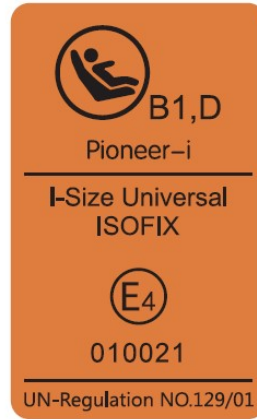
Instruction Storage Location

### 9.Label Location Photo

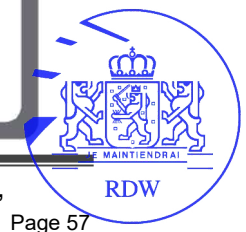




Stick to the left and right side

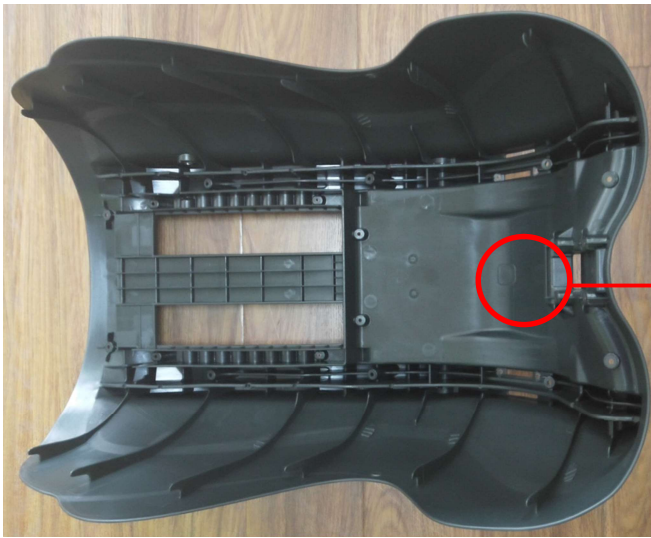


Rear-facing installation (45-83cm)	Forward installation (76-105cm)	Disassembly	Roomeye
			<b>Product:</b> ISOFIX Child Car Seat <b>Model :</b> Pioneer-i <b>Made in:</b> China  <b>Suitable:</b> Rear-facing(45-83cm) MAX: 18kg; 0-15M Forward(76-105cm) MAX: 18kg; 15M-4Y
<b>WARNING:</b> 1.Please don't sit your child Forward before 15months (Check the details in the manual) 2.Never use other stress points unmarked			

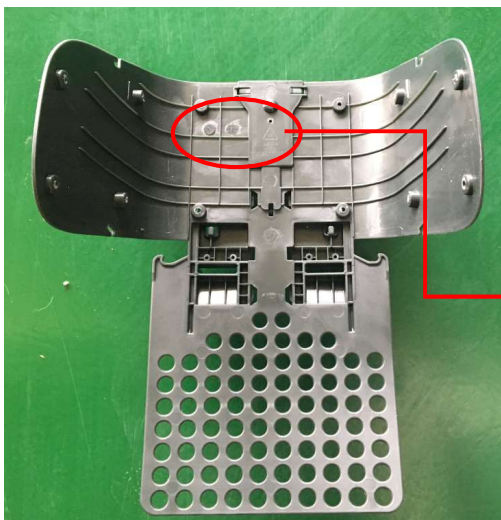
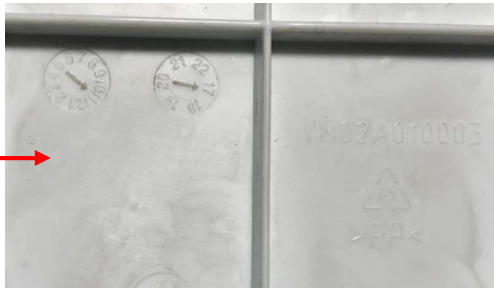




### 10.Manufacture Date Location Photo







## 11.Bom List

BOM LIST							
Product name: Pioneer-i		Stature : 45-105cm		Accessory code: YM02B		Version:A0	
No.	Accessory name	Drawing number	Material	Surface treatment	Quantity	Remark	Supplier
1	Pioneer-i Galaxy	YM02B000000	PP, AL6063, PU, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
2	Pioneer-i Galaxy explosion figure	YM02B000000-E	PP, AL6063, PU, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
3	Headrest components	YM02A160000	PP, Q195, PU, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
4	Headrest shell	YM02A160101	PP	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
5	Headrest regulating rod	YM02A160104	PA66+30CF	/	1		Hangzhou WenDong plastic products co., LTD
6	Backrest component	YM02A150000	PP, Q235, PU, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
7	Seat shell	YM02A150101	PP	/	1		Hangzhou WenDong plastic products co., LTD
8	Base component	YM02A010000	PP, Q195, SPFH540, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
9	Base up shell	YM02A010001	PP	/	1		Hangzhou WenDong plastic products co., LTD
10	Base down shell	YM02A010002	PP	/	1		Hangzhou WenDong plastic products co., LTD
11	Seat unlock component	YM02B010800	SPCC, SPFH540, PP, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
12	Seat angle adjusting component	YM02B010200	SPCC, SPFH540, PP, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
13	Resistance to flip front shell	YM02A010003	PP	/	1		Hangzhou WenDong plastic products co., LTD
14	Resistance to flip back shell	YM02A010004	PP	/	1		Hangzhou WenDong plastic products co., LTD
15	ISOFIX system components	YM02A010300	Q195, DP590, ABS, etc	Electrophoretic-coated	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
16	Right ISOFIX attachment	YM00B020100	PP, DP590, 45#, etc	Electrophoretic-coated	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
17	Left ISOFIX attachment	YM00B010100	PP, DP590, 45#, etc	Electrophoretic-coated	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
18	Fix front shell	YM00B000201	PP	/	1		Hangzhou WenDong plastic products co., LTD
19	Fix back shell	YM00B000202	PP	/	1		Hangzhou WenDong plastic products co., LTD
20	Support leg component	YM02A010400	ABS/PC, AL6063, PP, etc	/	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
21	Harness	YM02A180000	PA66+SAE4130+Polyester	/	1		LIAN YANG PLASTIC (SHEN ZHEN) CO., LTD.
22	26mm polyester webbing	YM02A180201	Polyester	/	1		Weitian Ribbon Products (Shenzhen) Co., Ltd.
23	Buckle	YM02A180003	PA66 101L	/	1		LIAN YANG PLASTIC (SHEN ZHEN) CO., LTD.
24	40mm polyester webbing	YM02A180202	Polyester	/	1		Weitian Ribbon Products (Shenzhen) Co., Ltd.
25	Quick adjuster	FAM101	Aluminum alloy	/	1		LIAN YANG PLASTIC (SHEN ZHEN) CO., LTD.
26	Left insert	YM02A180007	PA66+SAE4130	zinc	1		LIAN YANG PLASTIC (SHEN ZHEN) CO., LTD.
27	Right insert	YM02A180008	PA66+SAE4130	zinc	1		LIAN YANG PLASTIC (SHEN ZHEN) CO., LTD.
28	Bracket	YM02A180001	SAE4130	zinc	1		HANGZHOU YUEMENG INDUSTRY CO., LTD.
29	Pack		230H/170/140/170/250	/	1		Hang zhou XiaoBo Paper Co., Ltd.
30	Installation Guidelines		chrome paper	/	1		Hang zhou Jieke Packaging Co.,Ltd.
31	Approval Mark		pvc	/	1		Hang zhou PinChen Advertising Co., Ltd.

**Annex A: Testing Report for Flammability and Toxicity**

## Flammability Report

**TEST REPORT**

Report No.: ETS18050526T

Date: May.24.2018

Page 1 of 4

Client Name: Hangzhou Yuemeng Industry Co.,Ltd.)

Address: Dongfang Village,Guali Town,Xiaoshan District,Hangzhou City,Zhejiang

Province

**Sample Description:**

Sample Name: 1#.Dark grey foam with fabric cover  
 2#.ABS Plastic (Red)  
 3#.PP Plastic (Black)

Sample Model No.: Galaxy

P.O./Ref No.: /

Material: /

Description: /

Supplier: 1. Hangzhou Xinyi Textile Co.,Ltd  
 2. HANGZHOU WENDONG PLASTIC PRODUCTS CO.,LTD.  
 3. HANGZHOU XINYI PLASTIC PRODUCTS CO.,LTD.

Manufacturer: /

Arrived Date: May.18.2018

Test Period: May.18.2018 to May.24.2018

Test result: Please see next pages

Approved by:



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Jiangsu Eqotek Testing Services Co., Ltd.

NO.23, Luxi Road, Lujia Town, Kunshan, Jiangsu, China, 215331

Tel: +86 512-57878076

E-mail:KHFw@eqots.com

Website: www.eqots.com

ETSL-G-003-2012 V1.1



## TEST REPORT

Report No.: ETS18050526T

Date: May.24.2018

Page 2 of 4

### Test Conclusion:

No.	Sample No.	Request	Standard	Conclusion
1	1#	Safety of toys Part 2: Flammability	EN71-2-2011+A1-2014	Pass
2	2#	Safety of toys Part 2: Flammability	EN71-2-2011+A1-2014	Pass
3	3#	Safety of toys Part 2: Flammability	EN71-2-2011+A1-2014	Pass

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ETSL-G-003-2012 V1.1





## TEST REPORT

Report No.: ETS18050526T

Date: May.24.2018

Page 3 of 4

### Test Result:

1.Refer to the European toy safety technical specification EN71-2-2011 + A1-2014

Flame retardant test(the test basis according to the needs of the applicant)

Clause	Test project	test results		
		1#	2#	3#
4.1	General requirements	P	P	P
4.2	Toys to be worn on the head	NA	NA	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA	NA	NA
4.4	Toys intended to be entered by a child	NA	NA	NA
4.5	Soft-filled toys	NA	NA	NA

Sample No.	Request (mm/s)	Test result(mm/s)
1#	<30mm/s or self-extinguishing	0
2#		0
3#		0

Remarks 1: P=pass    NA= Not Applicable    F=Fail    SE=self-extinguishing

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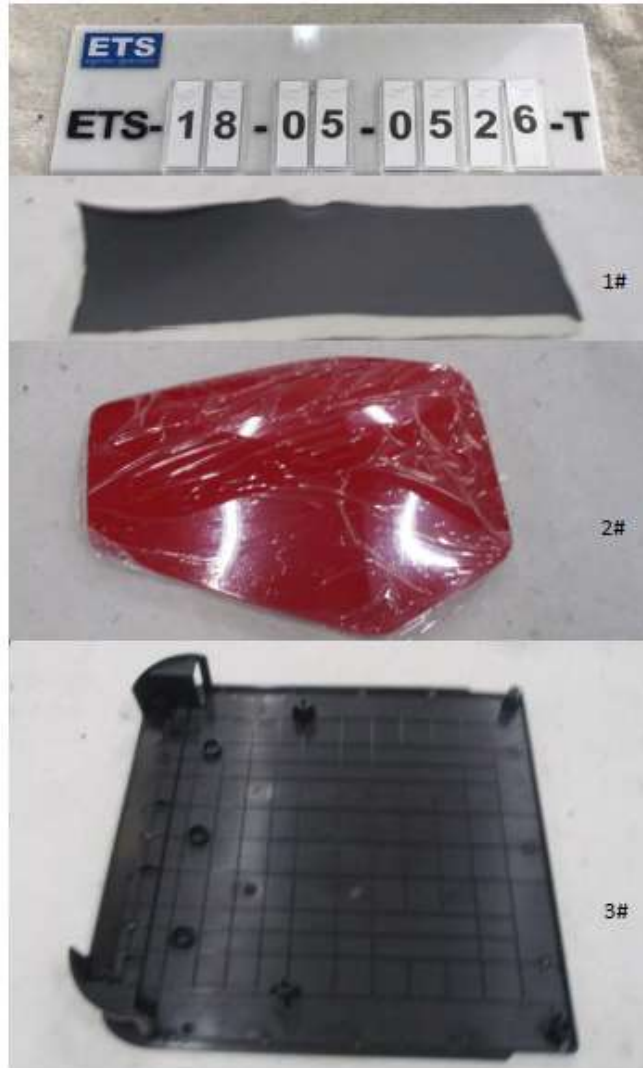
### TEST REPORT

Report No.: ETS18050526T

Date: May.24.2018

Page 4 of 4

Sample Pictures:



The lab is only responsible for the test result of sample in the picture

\*\*\*\*\*

---End of Report---

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 Tel: +86 512-57878076 E-mail:KHF@eqots.com Website: www.eqots.com

ETSL-G-003-2012 V1.1



## Toxicity Report



## TEST REPORT

Report No.: ETS18050573C

Date: May.22.2018

Page 1 of 3

Client Name: Hangzhou Yuemeng Industry Co.,Ltd.

Address: Dongfang Village,Guali Town,Xiaoshan District, Hangzhou City,Zhejiang Province

## Sample Description:

Sample Name: 1# Dark grey foam with fabric cover  
 2# ABS Plastic (Red)  
 3# PP Plastic (Black)  
 4# Black foam with fabric cover  
 5# Light grey foam with fabric cover  
 6# Red foam with fabric cover

Sample Model No.: /

Material: /

Description: /

Supplier: /

Manufacturer: 1# 、4#-6# Hangzhou Xinyi Textile Co.,Ltd.  
 2# HANGZHOU WENDONG PLASTIC PRODUCTS CO.,LTD.  
 3# HANGZHOU XINYI PLASTIC PRODUCTS CO.,LTD.

Arrived Date: May.18.2018

Test Period: May.18.2018 to May.22.2018

## Test Requested:

## Test Method:

Test Request	Test Method
Migration of certain elements	EN 71-3:2013+A2:2017, Analyzed by ICP-OES, ICP-MS&GC-MS

Test result: Please see next pages

Approved by:



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Website: www.eqots.com

ETSL-G-003-2012 V1.1



## TEST REPORT

Report No.: ETS18050573C

Date: May.22.2018

Page 2 of 3

### Test Conclusion:

No.	Sample No.	Request	Standard	Conclusion
1	1#	Migration of certain elements	EN 71-3:2013+A2:2017	Pass
2	2#			Pass
3	3#			Pass
4	4#			Pass
5	5#			Pass
6	6#			Pass

### Test Result:

#### 1. Migration of certain elements

Test method : EN 71-3:2013+A2:2017, Analyzed by ICP - OES, ICP-MS&GC-MS.

Test Item(s)	Test Result(mg/kg)						Limited III (mg/kg)	MDL (mg/kg)
	1#	2#	3#	4#	5#	6#		
Soluble Arsenic (As)	N.D	N.D	N.D	N.D	N.D	N.D	47	10
Soluble Barium (Ba)	N.D	N.D	N.D	N.D	N.D	N.D	18750	50
Soluble Cadmium (Cd)	N.D	N.D	N.D	N.D	N.D	N.D	17	10
Soluble Chromium(III) (Cr III)	N.D	N.D	N.D	N.D	N.D	N.D	460	10
Soluble Mercury (Hg)	N.D	N.D	N.D	N.D	N.D	N.D	94	10
Soluble Lead (Pb)	N.D	N.D	N.D	N.D	N.D	N.D	160	10
Soluble Antimony (Sb)	N.D	N.D	N.D	N.D	N.D	N.D	560	10
Soluble Selenium (Se)	N.D	N.D	N.D	N.D	N.D	N.D	460	10
Soluble Aluminum (Al)	N.D	N.D	N.D	N.D	N.D	N.D	70000	100
Soluble Bpron (B)	N.D	N.D	N.D	N.D	N.D	N.D	15000	50
Soluble Cobalt (Co)	N.D	N.D	N.D	N.D	N.D	N.D	130	10
Soluble Copper (Cu)	N.D	N.D	N.D	N.D	N.D	N.D	7700	50
Soluble Manganese (Mn)	N.D	N.D	N.D	N.D	N.D	N.D	15000	50
Soluble Nickel (Ni)	N.D	N.D	N.D	N.D	N.D	N.D	930	10
Soluble Zinc (Zn)	N.D	N.D	N.D	N.D	N.D	N.D	46000	100
Soluble Strontium (Sr)	N.D	N.D	N.D	N.D	N.D	N.D	56000	100
Organic Tin	N.D	N.D	N.D	N.D	N.D	N.D	12	6
Soluble Chromium(VI) (Cr VI)	N.D	N.D	N.D	N.D	N.D	N.D	0.2	0.1
Soluble Tin (Sn)	N.D	N.D	N.D	N.D	N.D	N.D	180000	4.5

Remark: (1) N.D= less than MDL

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ETSL-G-003-2012 V1.1







### TEST REPORT

Report No.: ETS18050573C

Date: May.22.2018

Page 3 of 3

#### Sample Pictures:



1#



2#



3#



4#



5#



6#

The lab is only responsible for the test result of sample in the picture

\*\*\*\*\*

---End of Report---

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## Annex B: Revision History

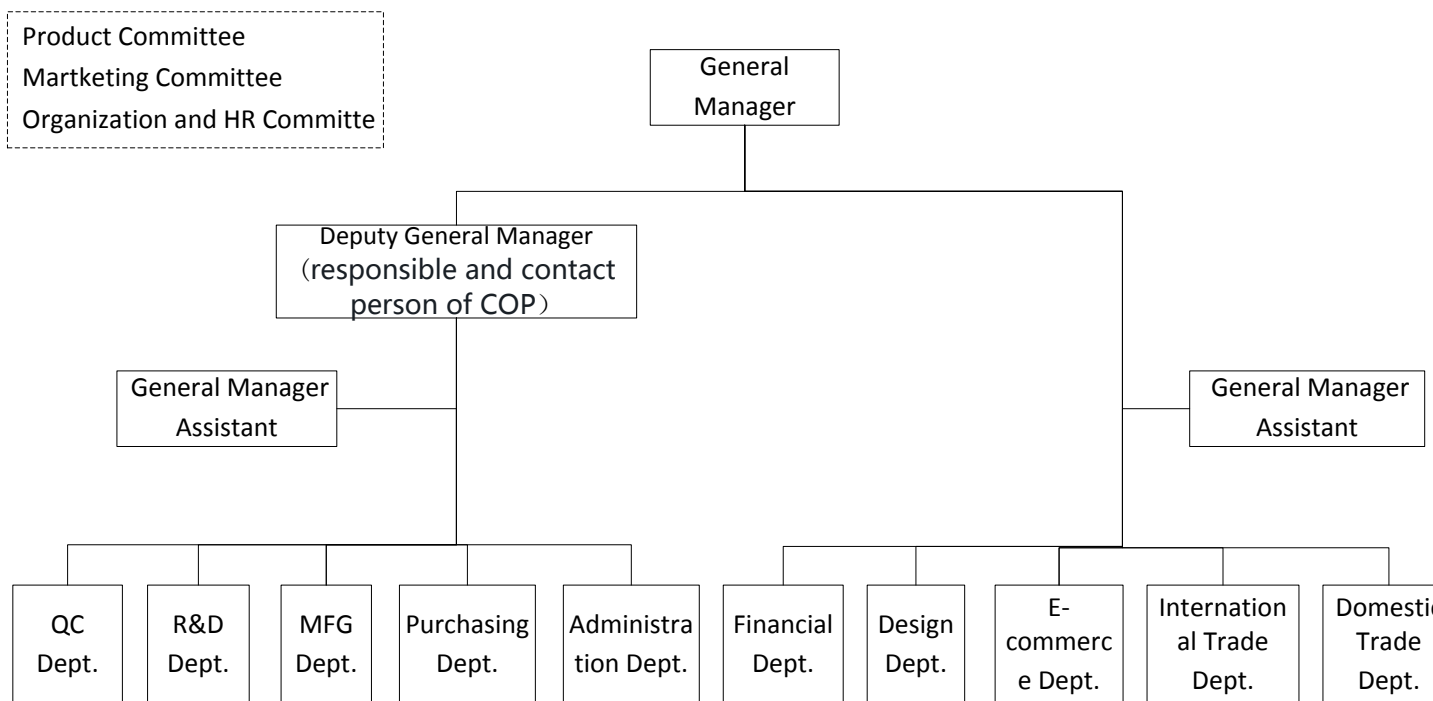
Version	Revise content	Reviser	Approval	Date	Remark
	Initial	/	/	/	/

## **Annex C: Cop clearance documents**

Details as following pages.



## Organization Chart





# 营业执照

(副本)

统一社会信用代码 91330109586513427J (1/1)

名称 杭州乐檬实业有限公司  
 类型 有限责任公司(自然人投资或控股)  
 住所 萧山区瓜沥镇东方村  
 法定代表人 钱明祥  
 注册资本 伍仟万元整  
 成立日期 2011年12月06日  
 营业期限 2011年12月06日至2041年12月05日  
 经营范围 技术研发、技术咨询、技术服务、生产、销售：汽车儿童座椅、童车、儿童推车、汽车座椅、工程车座椅；经销：服装、家用电器、玩具、日用百货、钢材、有色金属、五金、纺织原料、摩托车配件、塑料制品、针绣制品、五金件、汽车零配件、玻璃制品、箱包、电子产品、母婴用品、自行车、电动二轮自行车、三轮车(除电动)、婴儿学步车、童床及床上用品、童装、童鞋、文具、体育用品、个人护理用品、家具；网络技术咨询、技术服务；货物和技术的进出口业务；仓储管理(不含危险品)；道路普通货物运输\*\*(依法须经批准的项目,经相关部门批准后方可开展经营活动)



多证合一

登记机关



2018年05月24日

企业应当于每年1月1日至6月30日通过浙江省企业信用信息公示系统报送上一年度年度报告



# Business License

(Duplicate)

Unified social credit code: 91330109586513427J (1/1)

**Name:** HANGZHOU YUEMENG INDUSTRY CO.,LTD

**Type of Enterprise:** Private Limited Liability Company(Natural persons invest or hold shares )

**Address:** Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, Zhejiang Province, China, 311241

**Legal Representative:** Qian Mingxiang

**Registered Capital:** RMB 50,000,000

**Date of Establishment:** December 6th, 2011

**Term of Operation:** From December 6th, 2011 to December 5th, 2041

**Business Scope:** Production of child safety seat, Sales: baby carriage, stroller, car seat, engineering car seat, mother and baby products, Infant walkers, children's bed and bedding, children's ware, children's shoes, toys, steel, non-ferrous metal, hardware, textile materials,garment, home electrical appliances, general merchandise, plastic products, embroidery products, car accessories, motorcycle accessories, glassware, luggage, electronic Products, bicycle, electric two-wheeled bicycle,tricycle(not electronic ones), stationery, sports products, personal care supplies,furniture; network technical consulting; technical services; import and export of goods and technology; warehouse management(no dangerous goods included) Export self-made product and import self-used product, No reported to the approval of all other legitimate projects. (The above scope is only applicable upon approval by relevant government department)

registration authority

2018-05-24

Should submit an annual report in each year from January 1st to June 30th through the Zhejiang provincial enterprise credit publicity system.

Zhejiang provincial enterprise credit publicity system website: <http://gsxt.zjaic.gov.cn>

It's issued by The people's Republic of China State Administration for Industry and Commerce





# Certificate of Approval

Certificate No. : 10116Q15780R0M

*Awarded to*

**HANGZHOU YUEMENG INDUSTRY  
CO., LTD.**

Organization Code Certificate No. / Unified Social Credit Code:91330109586513427J  
Add.:Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, Zhejiang Province,311241

*Beijing ZhongLianTianRun Certification Center (ZLTR) certify that the  
Quality Management System of the above organization has been assessed and found to be  
in accordance with the requirements of the standard:*

**GB/T19001-2016 / ISO9001:2015**

**SCOPE OF CERTIFICATION/REGISTRATION**

**Design and Manufacture Of Vehicle Child Safety Seats**

*This certificate is made valid when used with certification scopes and the requirements of applicable  
laws and regulations. These requirements include, but are not limited to, administrative permits,  
scopes of qualifications, and CCC requirements.*

*Subject to operation conditions in requirements conformity with Quality Management System,*

*This Certificate is valid for a period of three years only,*

**Date from: Jul 25th,2016 To: Jul 24th,2019**

**Renewal Date:Jun 8th,2018**

*The effectiveness of this Certificate shall be Validated by periodic surveillance audit  
of ZLTR for maintenance.*

*The time limit of the certificate is to Jun 4th,2019, please conducting the  
surveillance or re-certification assessment before Jun 4th,2019. If the assessment is  
overdue , the certificate is invalid.*

Information of this certificate can be found on the official website of Beijing Zhonglian Tianrun  
Certification center (<http://www.zltr.com.cn>)



**Beijing Zhongliantianrun Certification Center**

Room2603, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiyang Road, Chaoyang District, Beijing, P.R. China 100102

Information of this certificate can be found on the official website of Certification and Accreditation Administration of the People's Republic of China (<http://www.cnca.gov.cn>)

ISO 9001

ISO 9001



**Roomeye**  
乐檬安全座椅

儿童安全车载出行解决方案供应商  
safe vehicle travel solution supplier for baby trip

## Declaration of Production plant, CoP and sampling

We: Hangzhou Yuemeng Industry Co., Ltd.

Address: Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, Zhejiang Province, China.

Email: [vp@roomeyeseat.com](mailto:vp@roomeyeseat.com)

Tax: +86-571-82350617

To RDW:

We sincerely declare that our production plant is: Dongfang Village, Guali Town, Xiaoshan District, Hangzhou City, Zhejiang Province, China. Which is consistent with the production address of the file previously provided.

We ensure that the product will comply with CoP procedure: <CoP inspection plan for ECE R129 > file no. YM/QSP JS-200, issued 2018-07-14, Version Rev01 requirements.

We ensure that we will perform the sampling according to <Procedure Cop inspection; effectiveness and quality assurance, sampling per product type >file no. YM/QSP-28, issued 2018-07-14, Version Rev01.

Hereby declared!

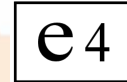
Signature: Chaoyang Shen,

Vice general Manager

Date: 2018-08-06





THE NETHERLANDS  
(N E D E R L A N D)**COMPLIANCE STATEMENT**

Directive 2007/46/EC and Revised ECE Agreement of 1958

RDW, as the competent Administrative Department (Approval Authority) for the Netherlands, has conducted an (initial) assessment of the quality systems and the relevant control plans in order to verify compliance with Annex X of Directive 2007/46/EC, Annex VI of Directive 2002/24/EC, or Annex IV of Directive 2003/37/EC as last amended as well as Appendix 2 of Revision 2 of the ECE Agreement done at Geneva on 20 March 1958 and the Dutch Road Traffic Act 1994, Article 22. The assessment was conducted in accordance with the requirements of this Directive and/or Regulation.

This Compliance Statement is issued to:

**Hangzhou Yuemeng Industry Co., Ltd.**  
**Dongfang Village, Guali Town**  
**Xiaoshan District, Hangzhou City**  
**311241 Zhejiang Province**  
**China (PRC)**

Component range: see Annex

Areas assessed: see Annex

Range of covered separate Directives/Regulations: see Annex

**Statement number** : RDWC-A1J-03

Assessment conducted : 14-7-2018

Validity ends : 18-10-2020

Place : Zoetermeer

Date : 23-7-2018

Signature : On behalf of the management of RDW,



N. den Ouden,  
Manager Designation & Surveillance

## ANNEX

Manufacturer's name : Hangzhou Yuemeng Industry Co., Ltd.  
Manufacturer's WMI code :  
C-Plus manufacturer code : A1J

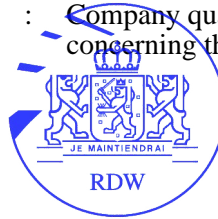
## Plants/Sites:

1. : Hangzhou Yuemeng Industrial Co., Ltd.  
Dongfang Village, Guali Town  
Xiaoshan District, Hangzhou City  
311241 Zhejiang Province  
China (PRC)

Name and address of the manufacturer's representative (if any) :

Areas assessed : As covered by Directive 2007/46/EC as last amended and/or Appendix 2 of ECE Agreement of 1958 as last revised.

Documents examined : Company quality manual, procedures and site control plans concerning the mentioned separate directives and/or regulations.



List of component range and covered Directives and/or Regulations.

Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	Applicable
--	Child restraint systems	--	--	R 44	X
--	Enhanced Child Restraint Systems	--	--	R 129	X

