



**Technical Report No. 68.190.18.0613.01**

**Rev. 00**

**Dated 2018-07-30**

Client: Zhongshan Donati Co.,Ltd  
Jinhe Road,North Shenghui Industrial Zone,Nantou,Zhongshan

Manufacturing place: /

Test subject: Product: Seat Mechanism (EPRON PLUS TRASLA )  
Type designation: 1161650

Test specification: ANSI/BIFMA X 5.1-2017 Clause 5&6,9&14 and 15

Purpose of examination: Test according to the client's requirements.

Test result: Pass  
Details see report Clause 3.

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2012-10-29

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## 1 Description of the test subject

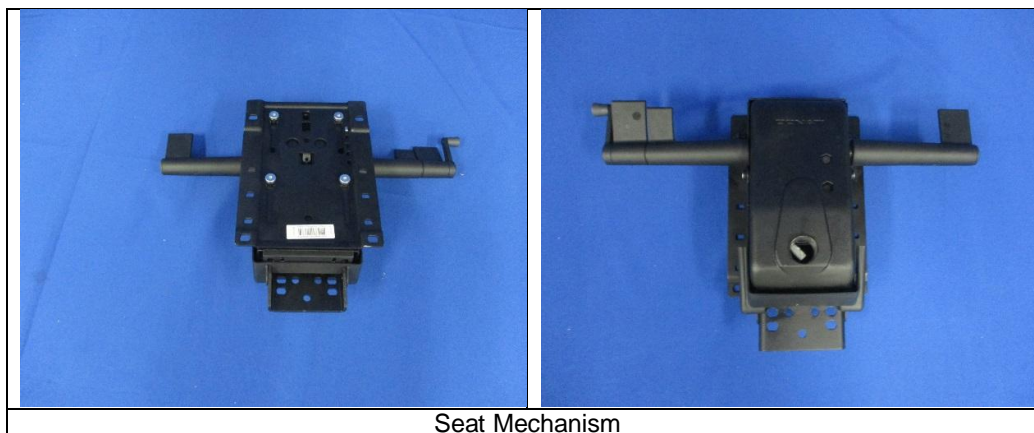
### 1.1 Function

- Manufacturer's specification for intended use:  
Product: Seat Mechanism (EPRON PLUS TRASLA)  
Type designation: 1161650

### 1.2 Technical Data

Net weight: 5,3kg

### 1.3 Product Photos



## 2 Order

### 2.1 Date of Purchase Order, Customer's Reference

2018-07-04

### 2.2 Receipt of Test Sample, Location

2018-07-10, TÜV SÜD Certification and Testing (China) Co., Ltd. Guanlan lab  
No.11, Jukeng Rd., Juling Village, Jutang District, Guanlan, Longhua New District, Shenzhen,  
518110, P.R.China

### 2.3 Date of Testing

From 2018-07-10 to 2018-07-30

### 2.4 Location of Testing

TUV SUD Certification and Testing (China) Co., Ltd. Guanlan lab  
No. 11, Jukeng Rd., Juling Village, Jutang District, Guanlan, Longhua New District,  
Shenzhen, 518110, P.R.China

### 2.5 Points of Non-compliance or Exceptions of the Test Procedure

None



### 3 Test Results

Abbreviations: P(ass) = passed	F(ail) = failed	NA = not applicable	NT = not tested
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ANSI/BIFMA X5.1-2017			
Clause	Requirement -Test	Measuring result -Remark	Verdict
5.4.1	Back Strength Test - Static - Type I & II - Functional Load Back force: 667 N (150 lbf.), 70 degree to the backrest, max 16 inch above the seat. Loading period: 1 minute Acceptance level: No loss of serviceability.	Fulfilled.	P
5.4.2	Back Strength Test - Static - Type I & II - Proof Load Back force: 1001 N (225 lbf.), 70 degree to the backrest, max 16 inch above the seat. Loading period: 1 minute Acceptance level: No sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	Fulfilled.	P
6.4.1	Back Strength Test - Static - Type III - Functional Load Back force: 667 N (150 lbf.), 90 degree to the backrest, max 16 inch above the seat. Loading period: 1 minute Acceptance level: No loss of serviceability.	Fulfilled.	P
6.4.2	Back Strength Test - Static - Type III - Proof Load Back force: 1001 N (225 lbf.), 90 degree to the backrest, max 16 inch above the seat. Loading period: 1 minute Acceptance level: No sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	Fulfilled.	P
9	Tilt Mechanism Test - Cyclic - Type I & II Seat load: 109 kg (240 lbs.) Cycles: 300,000 cycles Acceptance level: No loss of serviceability to the tilt mechanism.	Fulfilled.	P
14	Backrest Durability Test - Cyclic - Type I Seat load: 109 kg (240lb.) secured in the center of the seat Back load: 445 N (100 lbf.) Cycles: total 120,000 cycles. Acceptance level: no loss of serviceability	Fulfilled.	P

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15	Back Durability Test - Cyclic - Type II & III Seat load: 109 kg (240lbs.) secured in the center of the seat Back load: 334 N (75 lbf.) Cycles: total 120,000 cycles. Acceptance level: no loss of serviceability	Fulfilled.	P
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**4 Remark**

Only the relevant tests for seat Mechanism were conduct in this test report.

**TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
TÜV SÜD Group**



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\_\_\_\_\_  
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Technical Report checked:

*James Huang*  
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**Designated Reviewer**

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