

Test Report

Report No.:
2018_11_No.07-2

ESD Part-No.: 2816

Customer Part-No.: **GU5T - 14603 - HB**

Part Name: **Grommet 50mm**

ESD Release: **F**

Investigator: **Willi Benz**

Test Date: **14.11.2018**

Origin of samples: **ESP produc./ESP compound RCAB1SN4505202**

Test Conditions: Installation Force

Grommets were > pushed in <

Specification: **ED-0020 ≤ 75 N**

Mounting Opening : **Min hole Ø 49,7 x 1,1mm**

Max hole Ø 50,0 x 0,9mm

Quantity of tested parts: **12 samples**

Test sheet: **F_2816**

Tests were carried out on Elastomer-Solutions Assembly and Disassembly Test Device

Test Results and Remarks:

Average Push-in Force:

Min Hole

71

[N]

Max Hole

67

[N]

ETIQUETA DE AMOSTRA SAMPLE LABEL	
Referência ESP ESP Ref.	PN 2816
Referência Cliente / Cliente Customer Ref. / Customer	
Nº Desenho Drawing Number	
Nível Engenharia / Data Revision Level / Date	
Número de Relatório Report Number	
Quantidade de Amostras Sample Quantity	12 Parts
Nº Lote Lot Number	
Data de Envio Shipment Date	
Data de Aprovação do Cliente Customer Approval Date	
Observações Comments VALIDATION TEST: INSTALLATION FORCE COMPOUND ESP: RCAB1SN4505202	

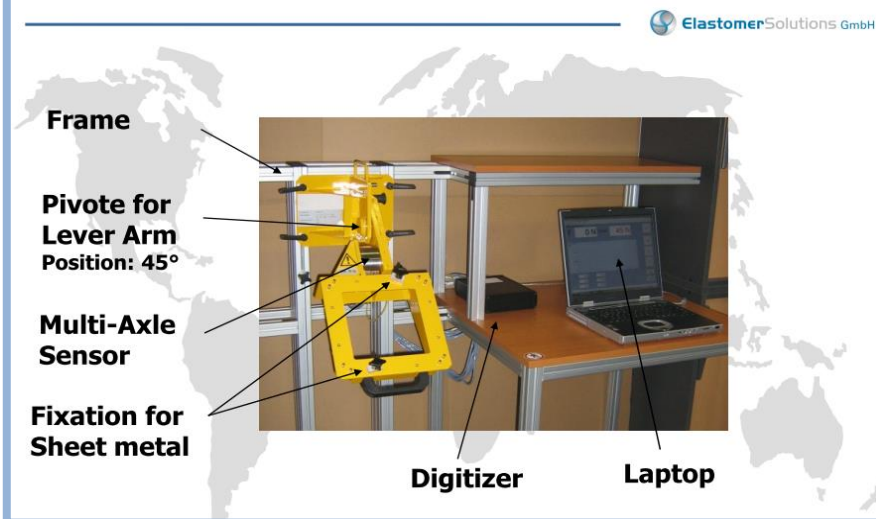


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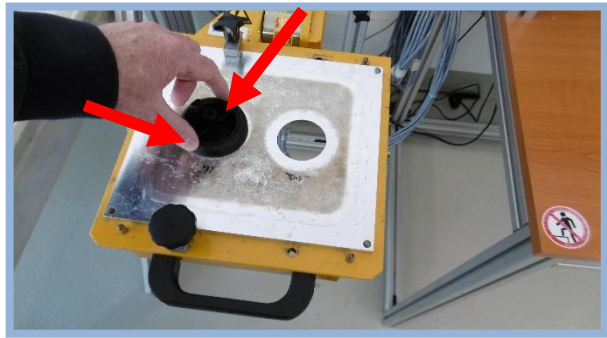
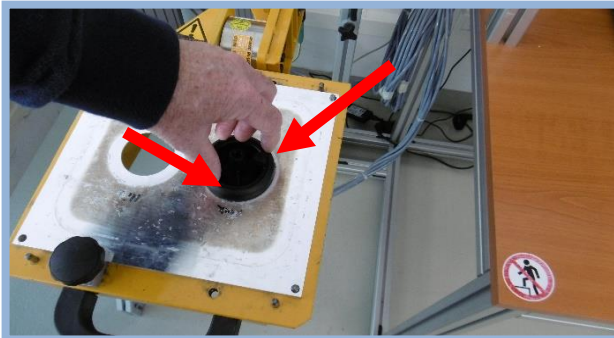
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ESD Test Equipment

Assembly and Disassembly Test Device



Assembly in min and max hole



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Installation force

Push-in Forces Min hole		
1	75	Newton
2	74	Newton
3	70	Newton
4	73	Newton
5	70	Newton
6	75	Newton
7	69	Newton
8	75	Newton
9	65	Newton
10	69	Newton
11	68	Newton
12	67	Newton
Average	71	Newton

Push-in Forces Max hole		
1	73	Newton
2	75	Newton
3	61	Newton
4	62	Newton
5	62	Newton
6	68	Newton
7	68	Newton
8	65	Newton
9	69	Newton
10	62	Newton
11	64	Newton
12	70	Newton
Average	67	Newton