

QINGDAO SAMIKTECH MACHINERY CO.,LTD.  
 BEIJING WEST ROAD, JIAOZHOU CITY, QINGDAO CITY, SHANDONG PROVINCE, P.R.CHINA

Sample Description : GAS SPRING

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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Sample Receiving Date : Apr 15, 2023

Test Performing Date : Apr 17, 2023 to Apr 27, 2023

Test Performed : Selected test(s) as requested by applicant

**Test Result Summary**

No.	Test(s) Requested	Result(s)	Comments
1	Clause 5, 6 and 10.3 of ANSI/BIFMA X5.1-2017 (R2022)	PASS	/
For further details, please refer to the following page(s)			

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Marco Leung  
 Authorized Signatory

scan to see the report



SDHL2304006246FT



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TESTS AND RESULTS

**Test Conducted:**

Clause 5, 6 and 10.3 of ANSI/BIFMA X5.1-2017 (R2022) General-Purpose Office Chairs.

**No. of Sample:**

3 pieces. For more sample information and pictures, please refer to the following page.

Test and Requirements	Test Results
<b>5 Backrest Strength Test - Static - Type I and II</b>	
<b>Functional Load</b> Force: 667 N (150 lbf.) for one minute. Acceptance level: There shall be no loss of serviceability to the chair.	PASS
<b>Proof Load</b> Force: 1001 N (225 lbf.) for one minute. Acceptance level: There shall be no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	PASS
<b>6 Backrest Strength Test - Static - Type III</b>	
<b>Functional Load</b> Force: 667 N (150 lbf.) for one minute. Acceptance level: There shall be no loss of serviceability to the chair.	PASS
<b>Proof Load</b> Force: 1001 N (225 lbf.) for one minute. Acceptance level: There shall be no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	PASS
<b>10 Seating Durability Tests – Cyclic</b>	
<b>10.3 Impact Test</b> Drop weight: 57 kg (125 lb.) Drop height: 36 mm (1.4 in.) above the uncompressed surface on the seat Cycles: 100,000 Rate: Between 10 and 30 cycles per minute. Acceptance level: There shall be no loss of serviceability to the chair.	PASS

**Remark:**

1. The applicant submitted the gas spring only, the other components needed in the test are provided by lab;
2. For the sample information and pictures, please refer to the following page.



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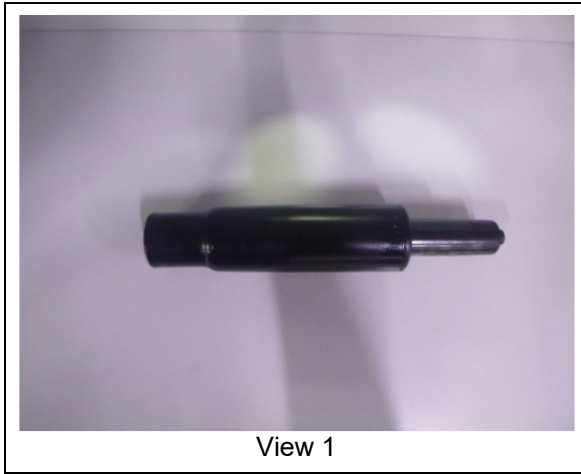
**SAMPLE INFORMATION AND PICTURES**

**Weight:** 1009.4 g/piece

**Overall Dimensions:**  $\Phi 28.30$  mm x  $\Phi 49.44$  mm x (260~319) mm L

**Other Dimensions:** /

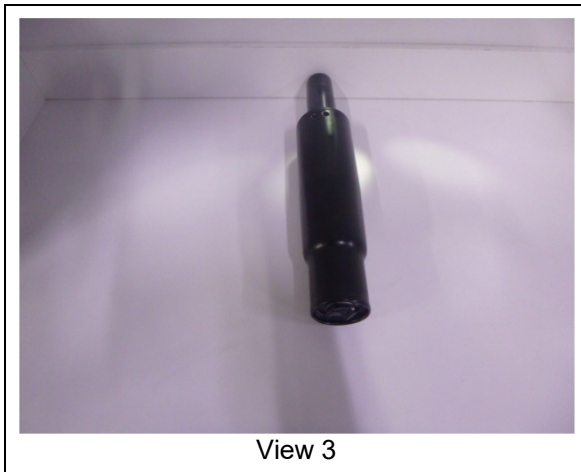
**Sample as Received**



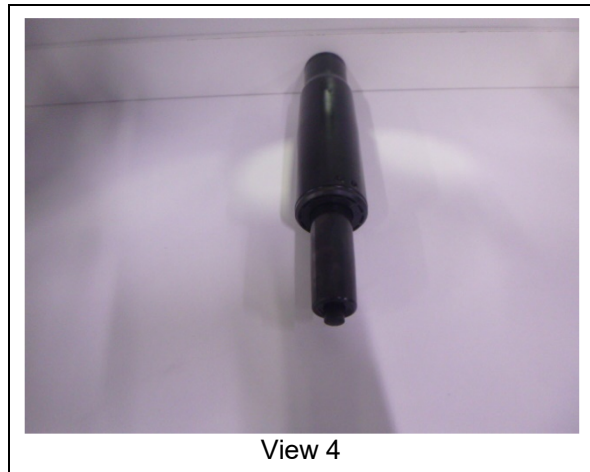
View 1



View 2



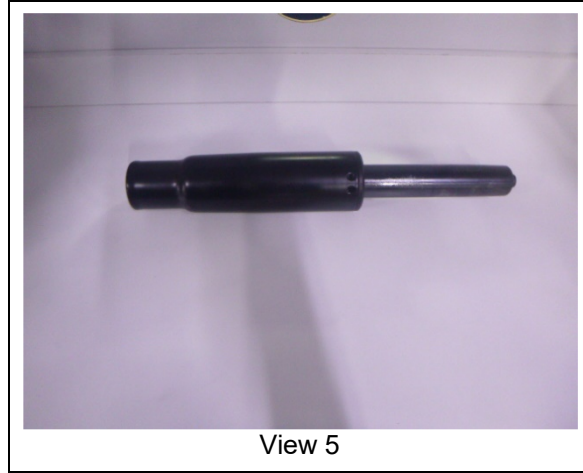
View 3



View 4



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View 5

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ( $w=0$ ) stated in ILAC-G8:09/2019.

\*\*\*End of Report\*\*\*



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