

YUEQIANG GAS SPRING MANUFACTURING CO.,LTD.
ZHENHUA RD, INDUSTRIAL AREA, LUNJIAO, SHUNDE, FOSHAN CITY,
GUANGDONG PROVINCE, CHINA

Sample Description : GAS SPRING
Item No. : D100Y40
Manufacturer : YUEQIANG GAS SPRING MANUFACTURING CO.,LTD.

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.

Sample Receiving Date : Jun 27, 2023
Test Performing Date : Jun 27, 2023 to Jul 07, 2023
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Clause 5, 6, 7, 8 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



SDHL2306011169FT



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TESTS AND RESULTS

Test Conducted:

Clause 5, 6, 7, 8 and 10.3 of ANSI/BIFMA X5.1-2017 (R2022) General-Purpose Office Chairs.

No. of Sample:

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

Test and Requirements	Test Results
5 Backrest Strength Test - Static - Type I and II	
Functional Load Force: 667 N (150 lbf.) for one minute. Acceptance level: There shall be no loss of serviceability to the chair.	PASS
Proof Load 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
6 Backrest Strength Test - Static - Type III	
Functional Load Force: 667 N (150 lbf.) for one minute. Acceptance level: There shall be no loss of serviceability to the chair.	PASS
Proof Load 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
7 Drop Test – Dynamic	
Functional Load Test A test bag weighting 102 kg (225 lb.) shall be raised 152 mm (6 in.) above the uncompressed seat and released one time (For chairs with seat height adjustment features, tested both in highest and lowest position). Acceptance level: There shall be no loss of serviceability.	PASS
Proof Load Test A test bag weighting 136 kg (300 lb.) shall be raised 152 mm (6 in.) above the uncompressed seat and released one time (For chairs with seat height adjustment features, tested both in highest and lowest position). Acceptance level: There shall be no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	PASS
8 Swivel Test – Cyclic	
Load on seat: 122 kg (270 lb.) Cycles: 120,000 Rate: Between 5 and 15 rotations per minute. Acceptance level: There shall be no loss of serviceability.	PASS
10 Seating Durability Tests – Cyclic	
10.3 Impact Test 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



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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.



SGS-CSTC Technical Services Co., Ltd.
Shunde Branch

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SAMPLE INFORMATION AND PICTURES

Weight: 859.9 g/piece

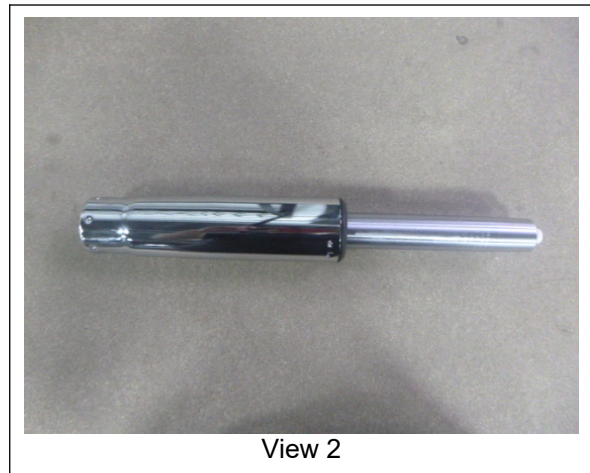
Overall Dimensions: $\Phi 49.74$ mm x $\Phi 27.20$ mm x (260~350) mm L

Other Dimensions: /

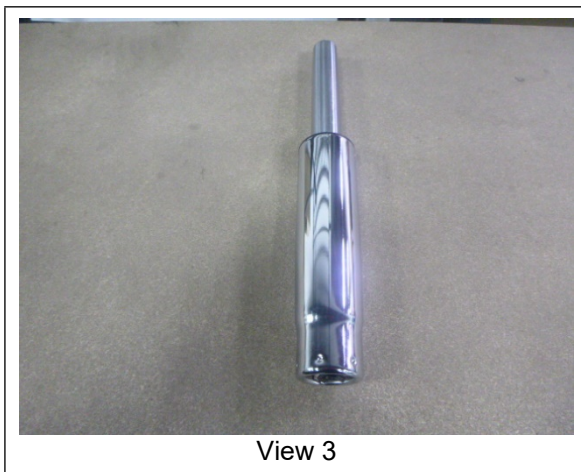
Sample as Received



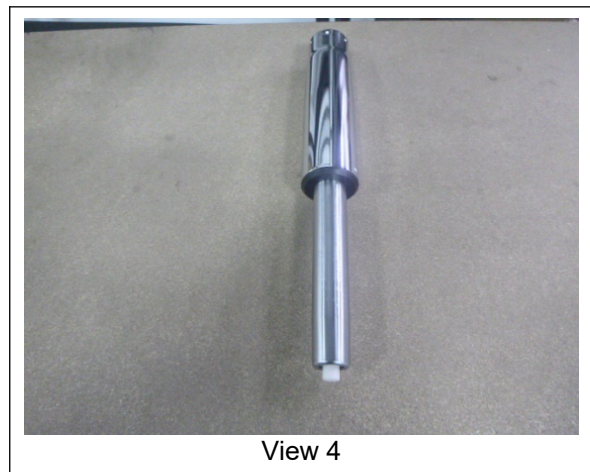
View 1



View 2



View 3



View 4

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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