

Test Report

No.: SDHL1908014819FT

Date: Sep.29, 2019

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GAOYAO DISTRICT JINLI TOWN ZHAOCHENG HARDWARE MANUFACTORY
JINSHENG INDUSTRIAL PARK JINLI TOWN GAOYAO DISTRICT ZHAOQING CITY GUANGDONG PROVINCE

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : GAS SPRING
Sample Receiving Date : Aug.14, 2019
Sample Resubmission Date : Sep.10, 2019
Test Performing Date : Aug.19, 2019 to Sep.19, 2019

Test Result Summary

Test(s) Requested	Result(s)
Refer to GB/T 25751—2010 《Compression gas spring technical specification》 clause 6.4 Anti extreme temperature test, clause 6.5.1 normal temperature cycle test and clause 6.6 Anti pull performance test	Three items were tested in this commissioned test, found to meet the requirement.
Summary:	
1. For further details, please refer to the following page(s).	

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




Bill Wang
Approved signatory



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TESTS AND RESULTS

Test Conducted:

Refer to GB/T 25751—2010 《Compression gas spring technical specification》 clause 6.4 Anti extreme temperature, clause 6.5.1 normal temperature cycle test and clause 6.6 Anti pull performance test.

No. of Sample:

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

No.	Test Item	Standard or applicant's Requirements	Test Results	Verdict
1	Anti extreme temperature test	Put the gas spring on $-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ environment for 4 hours, then on $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$ environment for 4 hours, this consists of one cycles. After 2 cycles, the gas spring shall not loss serviceability, and the attenuation of the normal force Fa not greater than 5%.	Conformity No loss of serviceability, the attenuation of the normal force Fa is 0.38%.	PASS
2	Normal temperature cycle test	After the anti extreme temperature test, continue 25000 cycles test, the total attenuation of the normal force Fa not greater than 13%, dynamic friction force not greater than 80 N, the oil leakage less than 0.5g.	Conformity Total attenuation of Fa: 0.06% Dynamic friction force: 58.21 N. Oil leakage: 0.1 g	PASS
3	Anti pull performance test	Anti pull performance of the gas spring shall meets the following requirement: The property not change for 4000 N pull force, and shall not damage and separate, loss of serviceability is acceptable for 8000 N.	Conformity	PASS

Remark:

- The specified force for the gas spring is 65 kg;
- The report is English version of Chinese test report SDHL1908014820FT. The Chinese version shall prevail in case of discrepancy between the Chinese version and English version;
- For the sample information and pictures, please refer to the following page.



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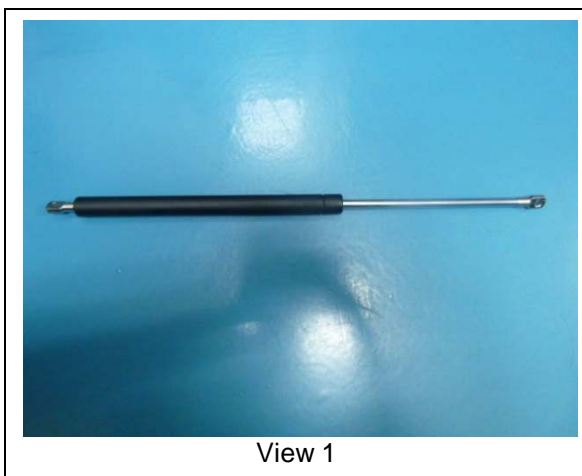
SAMPLE INFORMATION AND PICTURES

Weight: 366.3 g/piece

Overall Dimension: $\Phi 22.25$ mm x $\Phi 10.03$ mm x 544.5 mm L

Other Dimensions: /

Sample as Received



View 1



View 2



View 3

End of Report



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