



# MAGIX PRECISE MACHINERY(KUNSHAN) CO.,LTD

Address: No. 99, CHANGSHUN ROAD, ZHANGPU TOWN, KUNSHAN CITY, CHINA

TEL: 86-512-57458871

FAX: 86-512-57458873

Project NO: 20MD12-028

## Test Report



Project NO. : 20MD12-028

Edit Date : Dec.16. 2020

Applicant : Sales Dep. MAGIX(KUNSHAN)

Address : 99 ChangShun Road,Zhangpu Town  
Kunshan City China.

Product : Handlebar+Stem

Model No. : CHB-6045 W:760 mm T:3.0  
MAS-D6307-8/0 E:90mm+8°

Test Reference : ISO4210-5:2014

Abstract of Result : Details as in test report.

TEST RESULT : PASS.

Remark: (1) Products sent by applicant have been tested by our laboratory The test result is included in this report.

(2) This test report is responsible for test samples only, not for the use of suit.

(3) This report contains ( 5 ) pages, it can not be abstracted and copied separately

Approved \_\_\_\_\_

Checked by \_\_\_\_\_



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Project NO: 20MD012-028

Test Reference: **ISO4210-5: 2014 4.9.1**

## H/B + stem fatigue test

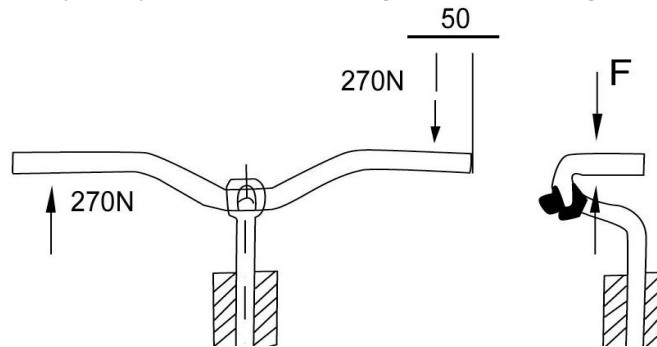
### 1. Equipments:

Model's group type dynamic testing machine of bicycle.

### 2. Test Method:

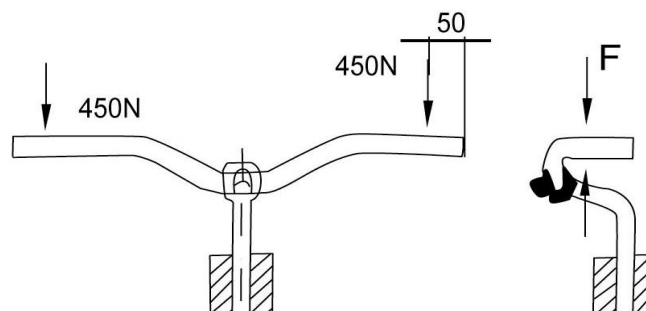
#### 1. Endurance test out of phase:

First, Mount stem to handlebar emending degree to  $90^\circ$  between the grip and stem quill unless the handlebar is connected with the stem forever, Handlebar and stem are fixed tightly to the mini-insertion apply  $F \pm 270N$  force to the position at the distance of 50mm, at the end of handlebar, lasting 100,000 cycle times, take advantage of the out-of-phase test on the each of handlebar at the utmost frequency of 10Hz, referring to the drawing below.



#### 2. Endurance test in phase:

After completing in phase test for handlebar, disassembling the both sides of handlebar, then implement endurance test in phase with the same assembling way fixing pedestal. The applied cycling force is  $F \pm 450N$ , lasting 100,000 cycle times take advantage of in-phase test on the each of Handlebar at the utmost frequency of 10Hz, drawing as follows.



### 3. Test Requirement:

1. During test the required cycle frequency count for required test forces, it is stood without break or visible crack.
2. The handlebar must not break and have no visible cracks.



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## 4.Test Results:

1.Product: Handlebars, Hand Stems.

2.Model No: MHB-A6045 W:760 mm.

MAS-D6307-8/0 E:90mm+8°.

3. Dynamic test: out phase, 3HZ,  $F=\pm 270N$ , NO1=100,100 cycle, NO2=100,101 cycle;  
in phase , 2HZ, $F=\pm 450N$ , NO1=100,100 cycle, NO2=100,101cycle.

4. **Pass: During the testing no visible break or crack occur.**

## 5.Appendix:

1.Test samples:



## 6.Test dynamically:



(Out phase)



(In phase)

7.Appendix: To reference behind page. (The dynamic test diagrammatic curve)

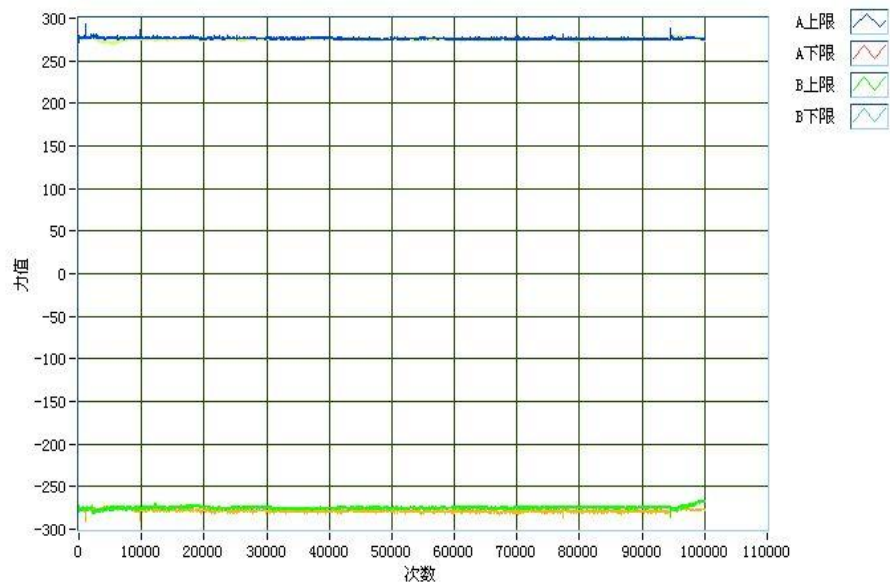


# 友森精密机械有限公司

MAGIX PRECISE MACHINERY(KUNSHAN) CO.,LTD

- 1. 试验批号 Project NO: 20MD12-028
- 2. 试验日期 Test date: 2020-12-16
- 3. 产品名称 Product : Handlebar+Stem
- 4. 试验时间 Test time: 08:21:31
- 5. 产品代号 Model No : MHB-A6045+MAS-D6307-8/0:
- 6. 测试依据 Test Reference : ISO4210-5: 2014
- 7. 试验频率 Frequency : 3 HZ
- 8. 试验次数 Setting cycle : 100,101
- 9 力量 Force : ±270 N
- 10 机器型号 Test equipment: CX-8129
- 11. 试验者 Tester 杨涛
- 12. 备注 Remark:

## Out phase test



NO1 : 100,100 cycle no visible cracks.

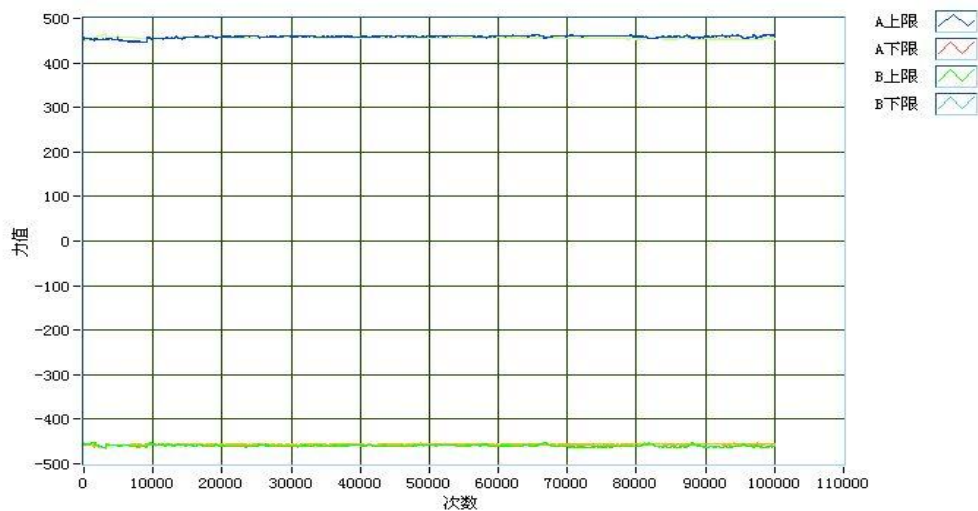


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MAGIX PRECISE MACHINERY(KUNSHAN) CO.,LTD

- 1. 试验批号 Project NO: 20MD12-028
- 2. 试验日期 Test date: 2020-12-17
- 3. 产品名称 Product : Handlebar+Stem
- 4. 试验时间 Test time: 08:30:40
- 5. 产品代号 Model No CHB-A6045+MAS-D6307-8/0:
- 6. 测试依据 Test Reference ISO4210-5: 2014:
- 7. 试验频率 Frequency : 2 HZ
- 8. 试验次数 Setting cycle : 100,101
- 9 力量 Force : ±450 N
- 10 机器型号 Test equipment: CX-8129
- 11. 试验者 Tester 杨涛
- 12. 备注 Remark:

In phase test



NO1 : 100,100 cycle no visible cracks.