

# Traction performance test report

1. Obtaining 3 test tubes out of one stick according to Annex 3 (Marks T) for Traction Testing.

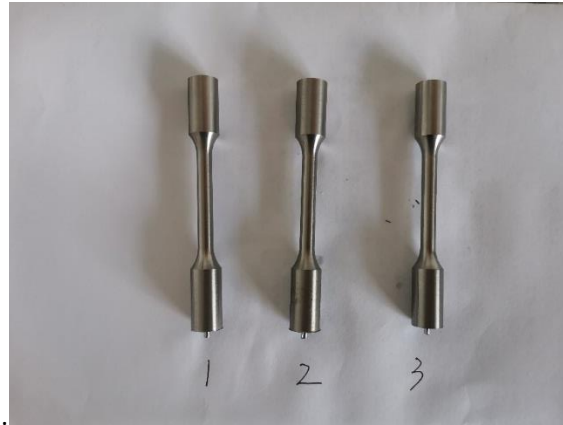


Figure 1. 3 test samples

2. Sample size requirements

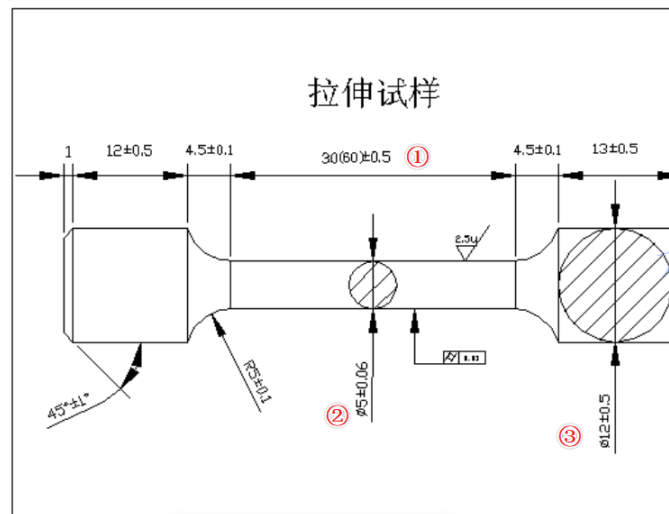


Figure 2 Tensile Sample Drawing

Drawing dimension	1#	2#	3#	
1	30±0.5	30.009	4.99	12.04
2	5±0.0.06	30.009	4.99	12.04
3	12±0.5	30.009	4.99	12.04

3. Reference standard for Tensile test: ISO 6892

4. Tensile test equipment: SUNS microcomputer controlled electronic universal testing machine  
(See attachment I for the picture of test machine and Calibration certificate)

5. Environmental Temperature: 25.4 Degree Celsius

## 6. Tensile test steps::

### 1) Sample size measurement

- Use a micrometer to measure the original diameter of the sample (FIG. 3): 4.99mm
- The mark of the original marker distance  $L_0$  length (25mm) (FIG. 4)



**Figure 3 Diameter measurement**

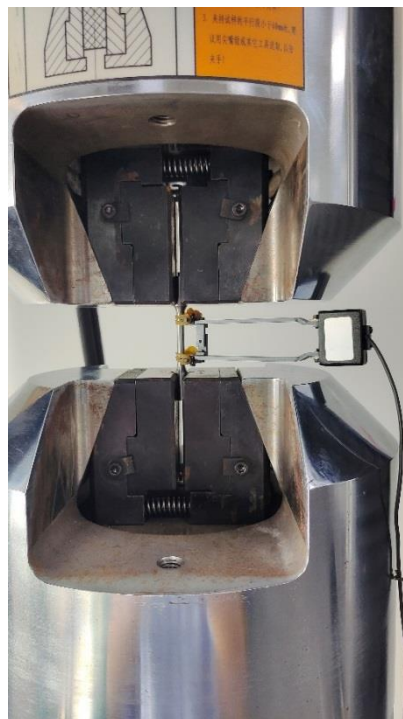


**Figure 4  $L_0$  length Marking**

### 2) Measure parameters

- Force control: 5000 daN/min

3) Select the appropriate fixture, set the limiting device according to the test length and the spacing of the fixture, and bind the extensometer to the sample (see FIG 5).



**Figure 5 Sample placement**

### 4) Start testing

## 6. Test Result

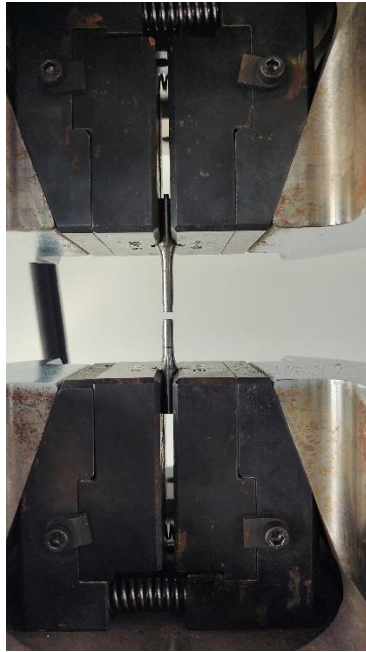


Figure 6 End of test

SN	Elongation (%)	Yield strength 0.2% (MPa)	Tensile Strength (MPa)
1#	15.93	850	1080
2#	16.41	850	1090
3#	16.20	856	1086



审核 2023-9-10

厦门金鹭特种合金有限公司质量管理部

# Attachment I



Figure 7 SUNS microcomputer controlled electronic universal testing machine



## 校准证书

证书编号: 230208020A006

委托单位	厦门金属特种合金有限公司	
委托单位地址	厦门市集美区北部工业区天阳路 52-60 号	
器具名称	电子万能试验机	
制造厂家	深圳三思纵横科技股份有限公司	
型号/规格	UTM5305	
出厂编号	UTM18070	
管理编号	P025-011	
校准结果	按校准结果使用	
接收日期	2023 年 02 月 09 日	校准日期 2023 年 02 月 09 日
签发日期	2023 年 02 月 12 日	建议再校日期 2024 年 02 月 08 日



批准人: 谢跃华 *谢跃华*

核验员: 吴文彬 *吴文彬*

校准员: 谢跃华 *谢跃华*

Figure 8 Calibration certificate