

测厚规使用说明书

Thickness Gauge Manual

一、测厚规是专门用于测量轮辋厚度的工具。

1. Rim thickness gauge is the special tool for measuring rim thickness.

二、性能参数：

2. Technical Parameters:

厚度测量范围：Thickness measuring range: 0~40 mm

厚度测量精度：Thickness measuring accuracy: 0.1 mm

有效测量深度：Effective measuring depth: 200 mm

三、测厚规的构成

3. Structure structure

测厚规由静片、动片、拉簧及百分表等组成（图1）。

Rim thickness gauge consists of static plate, moving plate, extension spring, and dial indicator etc. (See Fig.1)

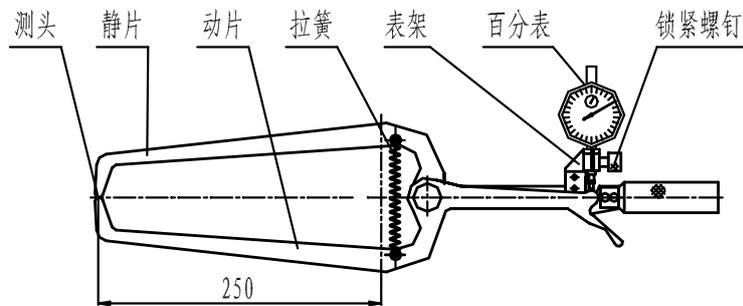


图 1

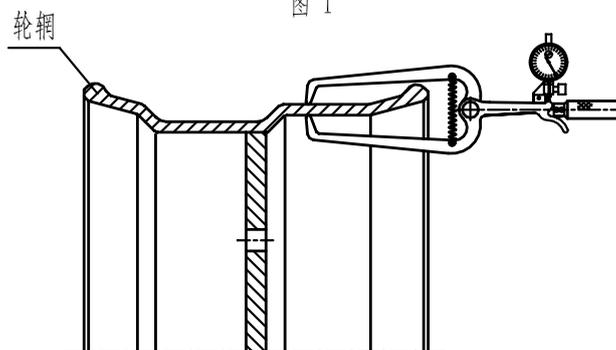


图 2

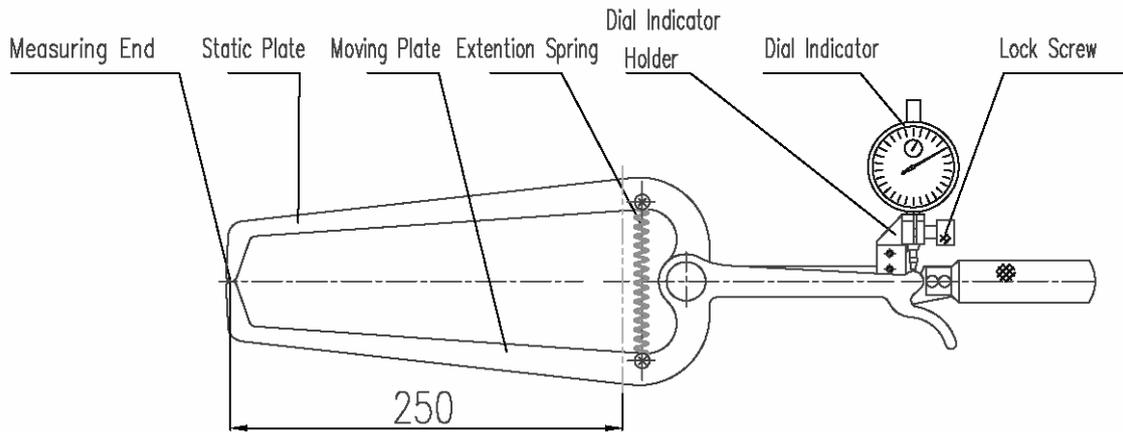


Fig.1

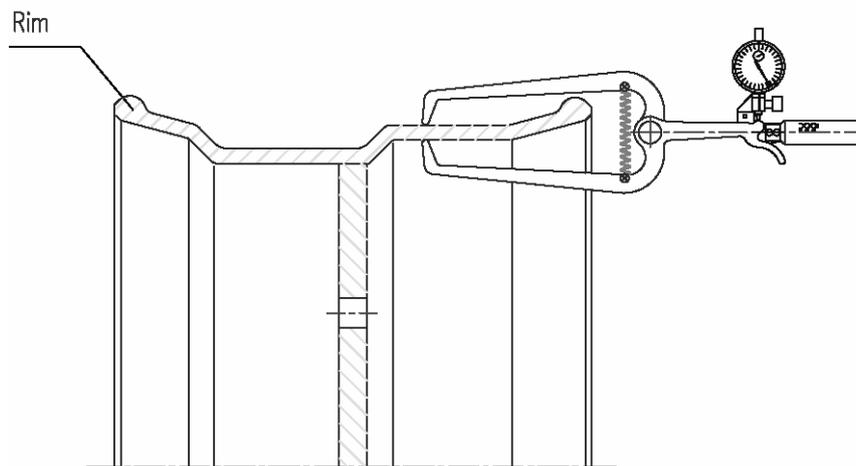


Fig.2

四、使用方法

4. Usage method

1. 将百分表装入表架中，在动、静片的测头自然接触的情况下，使其压缩 1/6 圈以上，拧紧表架上的锁紧螺钉。

1) Put dial indicator in the "dial indicator holder". When the measuring end of static plate and moving plate touch each other naturally, compress the extension spring at least 1/6, and then tighten the lock nut of the "dial indicator holder".

2. 百分表调零。

2) Set dial indicator as zero.

3. 测量工作开始前，应将被测物体的测量部位擦拭干净。将测厚规动、静片触头分别置于被测轮辋的内外两侧（图 2），握持把手，使测厚规在被测面上来回轻微摆动，读

取百分表上的最小读数。

3) Before starting measuring, user should clean the measured part of the rim. And put the touching end of static plate and moving plate on both sides of the rim (inside and outside of rim), see Fig.2, hold the handle of rim thickness gauge, and then swing the rim thickness gauge on the side to be measured lightly.

4. 实测尺寸的计算：

4) Calculation of actual measured data

实测尺寸=百分表读数×2

Actual measured data=reading data of dial indicator ×2

例如：百分表读数：6.285 mm，则实测尺寸=6.285×2=12.570mm

e.g. reading data of dial indicator: 6.285mm, and the actual measured data=6.285×2=12.570mm

五、标定

5. Calibration

用测厚规测量不同尺寸的标准量块，看百分表的读数是否为量块厚度的二分之一

(允许误差：0.1mm)。

Measure the different standard measuring block with rim thickness gauge, and check whether the reading data is the one-half of the thickness of standard measuring block. (Tolerance: 0.1mm).

六、注意事项

6. Notices

1. 不允许超量程使用。

1) Don't measure the rim that is out of the measuring range.

2. 测厚规在使用时应轻拿轻放，严禁磕碰；使用完毕后，擦拭干净，置入专用盒

内存放（百分表取下）。

2) User should handle the rim thickness gauge gently, don't crash it. And clean it and demount the dial indicator before storing it in the special tool box.

——以上——

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