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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 9058-2024

Replacing GB/T 9058-2004

Odd fluted micrometer

奇数沟千分尺

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Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting:

This document replaces GB/T 9058-2004 "Odd-number groove micrometer": Compared with GB/T 9058-2004, except for structural adjustments and editorial In addition to the modifications, the main technical changes are as follows:

a) Deleted the odd-numbered groove micrometer with a graduation value of 0:005 mm in the applicable range (see Chapter 1 of the:2004 edition);

b) Added coating appearance requirements (see 5:1:2);

c) The requirements for the change in measuring force of the force measuring device have been changed (see 5:6, 5:5 of the:2004 edition);

d) The requirements for locking devices have been deleted (see 5:6 of the:2004 edition);

e) The requirements for digital display devices have been deleted (see 5:9 of the:2004 edition);

f) Added the requirements for scale (see 5:9);

g) The dimensional deviation and cylindricity tolerance have been changed (see Table 3, Table 3 of the:2004 edition);

h) Added the requirements for ambient temperature under the test conditions (see 6:1);

i) Added the test method for measuring surface hardness (see 6:5);

j) The inspection method for the maximum allowable error has been changed (see 6:6, 6:4 of the:2004 edition);

k) Added the inspection method for calibration cylinder size deviation and cylindricity tolerance (see 6:7):

Please note that some of the contents of this document may involve patents: The issuing organization of this document does not assume the responsibility for identifying patents:

This document was proposed by the China Machinery Industry Federation:

This document is under the jurisdiction of the National Technical Committee for Standardization of Measuring Tools and Instruments (SAC/TC132):

This document was drafted by: Chengdu Tool Research Institute Co:, Ltd:, Guilin Guanglu Digital Measurement and Control Co:, Ltd:, Qinghai Measuring Tools (Changzhou) Co:, Ltd:

Co:, Ltd:, Qinghai Measuring Tools and Cutting Tools Co:, Ltd:, and Suzhou Guoliang Measuring Tools Technology Co:, Ltd:

The main drafters of this document are: He Yixian, Xu Gang, Huang Guiyun, Huang Dawei, Ma Shibin and Zhao Yonghai:

This document was first issued in 1988, revised for the first time in:2004, and this is the second revision: Odd Groove Micrometer

1 Scope

This document specifies the types and basic parameters, general rules, inspection methods, marking and packaging of odd groove micrometers:

This document is applicable to odd-numbered groove micrometers with graduation values of 0:001mm, 0:002mm, 0:01mm and a measurement upper limit not exceeding 100mm:

design, manufacture and inspection:

2 Normative references

GB/T 1216-2018

GB/T 17163

GB/T 17164

3 Terms and definitions

The terms and definitions defined in GB/T 17163 and GB/T 17164 and the following apply to this document: 3:1 With a special V-shaped anvil, it can measure the outside diameter of workpieces with 3, 5 or 7 grooves evenly distributed along the circumference:

4 Types and basic parameters

4:1 Type The schematic diagram of the odd-number groove micrometer is shown in Figure 1:

The illustrations are for illustrative purposes only and do not represent detailed structures: