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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 34151-2017

Stamping dies -- Guide plates -- U-and V-blocks

冲模 导板 U形和V形块

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses redrafted Law revision using ISO 16367:2008 "die guide U-shaped and V-shaped block." this standard and ISO 16367:2008 technical differences and the reasons are as follows.

- In the "range" added "This standard applies to the die guide plate U-shaped and V-shaped block," in line with national standards;
- On normative references, this standard made a technical difference with the adjustment to adapt to China's technical conditions, adjust the situation Concentration reactions in the second chapter "Normative references", the specific adjustments are as follows.
 - Replaced ISO 4762 with GB/T 70.1 modified to adopt international standards (see Table 1 and Table 2);
 - Replace ISO 8733 with GB/T 120.1 equivalent to the international standard (see Table 1 and Table 2);
 - Replace ISO 2768-1 (see 3.1, 3.2) with GB/T 1804-2000 equivalent to the international standard;
 - Replace ISO 13715 with GB/T 19096 equivalent to the international standard (see 3.1, 3.2);
- Figure 1 in the A repeat, modify the V-shaped surface as a benchmark B;
- Increase in Figure 1, Figure 2 cut marked to clarify the relationship between the various views;
- Remove the extra lines in Figure 1, Figure 2, and modified the line, in line with the national standard mechanical drawing;
- Modify Figure 1, Figure 2, chamfering and surface roughness of the mark, and delete the

surface roughness unit description, in line with the machine Mechanical drawing national standards;

--- Fixed 65 specifications in Table 2 corresponding to the specifications of internally threaded cylindrical pin "12 x 32", consistent with Table 1 and in line with domestic reality;

--- Modify the part drawings and part of the outline of the map to comply with GB/T 4458.1-2002;

--- Modify the angle of the text marked direction to comply with GB/T 4458.4-2003;

--- Removed the table in Table 1, Table 2 header d1, d2, d3, d4 before phi, in line with national standards;

--- Modify the mark expression, in line with national standards.

This standard by the National Mold Standardization Technical Committee (SAC/TC33) and focal point.

The main drafting units of this standard. Youde Precision Industry (Kunshan) Co., Ltd., Dongguan City, Guangdong Province Quality Supervision and Testing Center, Guilin University of Electronic Science and Technology, Jiangsu Province, precision molds Product Quality Supervision and Inspection Center, Jiashan Denuo Bearing Co., Ltd., Chuzhou Aipu Electrical Technology Limited, Guilin Electric Institute of Science and Technology Co., Ltd.

1 Scope

This standard specifies the die U-shaped guide and V-shaped block of the main dimensions and tolerances.

This standard also specifies the U-shaped and V-shaped block markings.

This standard applies to the die guide plate U-shaped and V-shaped block.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 70.1 Hexagon socket head cap screws (GB/T 70.1-2008, ISO 4762:2004, MOD)
GB/T 120.1 internally threaded cylindrical pin stainless steel and austenitic stainless steel (GB/T 120.1-2000, ISO 8733:1997, IDT) GB/T 1804-2000 General tolerances Tolerances for linear and angular dimensions without tolerance (ISO 2768-1:1989, IDT) GB/T 19096 technical drawings and drawings is not defined by the definition of the shape of the terms and Notes (GB/T 19096-2003, ISO 13715:2000, IDT)

3.1 U-shaped block

U-shaped block size shown in Figure 1 and Table 1.

Undefined shape edge should be consistent with the provisions of GB/T 19096.

General tolerances should be consistent with GB/T 1804-2000 Chapter 5 m-level provisions.

Table 1 U-shaped block size in millimeters

l2 l3 h2

± 0.01

h4 r d1 d2 d3

Hexagon socket head cap screws GB/T 70.1 Quantity GB/T 120.1 Quantity 18 17 8 5 13.5
20 12 M12 x 25 12 x 32 2 28 27 15 5 17.5 26 16 M16 x 50 16 x 60 2