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

GB/T 6290-2013

Replacing GB/T 6290-1999

**Pliers and nippers -- General technical requirements
(English Translation)**

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Foreword

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

This standard replaces GB/T 6290-1999 "folder twist Pliers and nippers - General technical requirements", compared with the GB/T 6290-1999, the main to change the following.

- Increased product classification (Chapter 3 of this edition);
- Increasing the basic size requirements (edition 4.1);
- Increased use of performance requirements (edition 4.2);
- Increasing the top slot mouth requirement (edition 4.4);
- Modifications and increases the stiffness of the provisions (edition 4.6);
- Increasing the bending strength requirements (edition 4.8);
- Increased shear performance requirements (edition 4.9);
- Increased torque requirement (edition 4.10);
- The inspection rules have been adjusted (Version 1999 Chapter 5, Chapter 6 of this edition).

The standard reference method using redrafted ISO 5743:2004 "folder twist Pliers and nippers - General technical conditions" preparation, and ISO 5743.

2004 non-equivalent degree of consistency.

This standard and ISO 5743:2004 The main difference is as follows.

--- Increased Normative references GB/T 2828.1 and GB/T 5305;

--- Increasing the basic dimensions, performance, edge slit, slit the top of the mouth, the mouth is the top amount of deflection, shaft clamp hardness, surface, bending strength, shear Performance and torque requirements;

--- Increased test methods, inspection rules and regulations of packaging products, packaging, labeling, transportation and storage.

The standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee, hardware tools Hardware Technical Committee (SAC/TC174/SC2) centralized.

1 Scope

This standard specifies the folder twist pliers, cutting pliers cutting pliers and pinch twist product classification, technical requirements, inspection rules, packaging, labeling, transportation and Storage.

This standard applies to ships operating with a twist clip pliers, cutting pliers cutting pliers and pinch twist.

This standard does not apply to live working with pliers tongs and special operations.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan (GB/T 2828.1-2012, ISO 2859-1:1999, IDT) GB/T 5305 Hand tools, packaging, labeling, transportation and storage GB/T 6289 Pliers and nippers twist clip terminology (GB/T 6289-2013, ISO 5742:2004, IDT) Pliers and nippers twist test method GB/T 6291 folder (GB/T 6291-2013, ISO 5744:2004, MOD)

3 Product Categories

3.1

In accordance with the use of forceps function pliers products are divided into folders twist pliers, cutting pliers and pinch twist nippers three types.

3.2

Product name and icon pliers, and clamp parts name, clamp handle, clamp gills, cutting edge, edge, jaws and clamping surfaces terms, Name and icon according to GB/T 6289

regulations.

3.3

pliers products labeled in accordance with the relevant product standards.

4.1 Basic dimensions

The basic dimensions of pliers shall comply with the appropriate product standards.

4.2 Performance

4.2.1

clamp handle should be comfortable gripping, clamp handle shape should be able to avoid the job to pinch your fingers. According to the requirements of the job uses and users can be added Handle sets or surface treatment.

4.2.2

exert a force of not more than 18N in the clamp handle, jaw opening angle should not be less than 22 °.

4.3 Edge slit

All cutting pliers cutting pliers and pinch twist in the blade closed state, the edge gap should be less than 0.05mm.

4.4 Top slot mouth

Jaws mouth top slot should comply with relevant product standards.