

ICS 25.140.30

CCS J 47



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

GB/T 6291-2013

Replacing GB/T 6291-1999

Pliers and nippers -- Methods of test

夹扭钳和剪切钳 试验方法

(English Translation)

Issued on: November 12, 2013

Implemented on: May 1, 2014

Issued by: Standardization Administration of China

Table of Contents

Foreword

1 Scope

2 Normative references

3.1 Basic dimensional inspection

3.2 Performance test

3.3 Inspection edge slit

3.4 Top slit nozzle inspection

3.5 Test the amount of mouth top yaw

Foreword

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

This standard replaces GB/T 6291-1999 "folder Pliers and nippers twist test", compared with the GB/T 6291-1999, major change of the following.

--- Test Method for increasing the basic size (edition 3.1);

--- Increase the performance of test methods (edition 3.2);

--- Increasing the clamp shaft hardness test methods and cutting edge hardness (edition 3.6);

--- Increased testing methods pliers water pump pliers and flexural strength (1999 version 3.6, this version 3.8);

--- Modify the round-nose pliers, torque test piece size (1999 version 3.9, this version 3.10);

--- This standard has been modified to the structure and presentation standards.

This standard uses redrafted law revision using ISO 5744:2004 "folder Pliers and nippers twist test method." this standard and ISO 5744. compared to 2004 in the structure have more adjustments listed in this standard and ISO 5744 in Appendix A.2004 Reg number compared to the control list.

Technical differences exist compared to 2004, the terms of these differences has been involved through its outer margin bit. This standard and ISO 5744 Opposing vertical single line (|) were labeled, given a list of corresponding technical differences and their reasons in Appendix B.

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 and test methods for torsional shear clamp pliers.

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 230.1 metallic materials - Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T standard Feet) (GB/T 230.1-2009, ISO 6508-1:2005, MOD) GB/T 4340.1 metallic materials - Vickers hardness test - Part 1. Test method (GB/T 4340.1-2009, ISO 6507-1:2005, MOD) GB/T 4357 cold-drawn carbon spring steel (GB/T 4357-2009, ISO 8458-2:2002, MOD) GB/T 21652 Copper and copper alloy wire (GB/T 21652-2008, JISH3260:2006, NEQ) YB/T 5303 quality carbon structural steel Test Method 3

3.1 Basic dimensional inspection

The basic dimensions of pliers with a special card board and general measuring test.

3.2 Performance test

3.2.1

Performance pliers with feel and visual inspection.

Zhang 3.2.2 in accordance with relevant product standards in the axial center I1 of the clamp from the clamp handle position, applying a force of 18N, the jaws Opening angle should not be less than 22 °.

3.3 Inspection edge slit

In the forceps blade closed, pliers cutting edge gap with a feeler test.

3.4 Top slit nozzle inspection

In the clamp handle grip state, the top of the mouth slit jaws test with a feeler.

3.5 Test the amount of mouth top yaw

As shown in Figure 1, the top jaw mouth with a universal measuring the amount of deflection test.