

ICS 79.120.99
CCS B 97

LY

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

LY/T 1803-2025

Replacing LY/T 1803-2008

Wood and bamboo cutting tool-Veneer slicer knife

木竹切削刀具 刨切机刨刀

(English Translation)

Issued on: December 26, 2025

Implemented on: April 1, 2026

Issued by: National Forestry and Grassland Administration

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Structure and Specifications
 - 4.1 Planer blade structure
 - 4.2 Classification of Planer Blades

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces LY/T 1803-2008 "Transverse Planing Machine Planer Blades". Compared with LY/T 1803-2008, the only changes are structural adjustments and editorial modifications.

Aside from the modifications, the main technical changes are as follows.

- The scope of application has been changed, and content on longitudinal planer blades has been added (see Chapter 1, Chapter 1 of the 2008 edition).
- Added terms and definitions (see Chapter 3);
- Added methods for classifying planers, their specifications, and model designations (see 4.2~4.4);
- The specifications for the main parameters have been added (see Table 2);
- The requirements for the hardness of the blade of a transverse planer have been changed (see 6.3, 5.3 in the 2008 edition).
- Added requirements for longitudinal planer blades (see 6.7.1, 6.7.5);
- Added testing methods (see 6.3~6.5, 6.8, 6.9).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical

Committee on Standardization of Wood-based Panel Machinery (SAC/TC 66).

1 Scope

This document specifies the structure, specifications, main parameters, requirements and testing methods, inspection rules, marking, packaging, and transportation of planer blades for slicing machines.

Storage.

This document applies to planer blades (hereinafter referred to as planer blades) used for planing veneers in both longitudinal and transverse directions.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

document.

GB/T 191 Pictorial Symbols for Packaging and Storage GB/T 230.1 Metallic materials - Rockwell hardness test - Part 1: Test method GB/T 700 Carbon Structural Steel GB/T 1299 Tool and Die Steel GB/T 2650 Destructive testing of welds in metallic materials - Impact test GB/T 9943 High-speed tool steel GB/T 13384 General Technical Requirements for Packaging of Mechanical and Electrical Products GB/T 14897.1 Basic Terminology for Woodworking Tools LY/T 1382 Classification Terminology for Wood-based Panel Machinery

3 Terms and Definitions

The terms and definitions defined in GB/T 14897.1 and LY/T 1382, as well as the following terms and definitions, apply to this document.

Veneer slicer knife

A tool with a straight cutting edge used for slicing veneer and engineered wood.

4.1 Planer blade structure

A simplified diagram of the planer blade structure of the planer is shown in Figure 1.

4.2 Classification of Planer Blades

Planer blades are divided into transverse planer blades and longitudinal planer blades, whose type codes are represented by the letters H and Z, respectively. Planer blades are

also classified according to their structure into integral planer blades and inlaid planer blades.

There are two types of insert planers.