

ICS 17.100
CCS A 53

JJF

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

JJF 1315.2-2011

**Program of Pattern Evaluation for Fatigue Testing Machines.
Part 2: Rotating Pure Bending Fatigue Testing Machines
(English Translation)**

Issued on: September 20, 2011

Implemented on: December 20, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

Introduction (II)

1 Scope (1)

2. References (1)

3 Terms and symbols (1)

3.1 Terms and definitions (1)

3.2 Symbols and (2)

4 Overview (3)

4.1 Principles and purposes (3)

4.2 Structure (3)

5 Legal management requirements (3)

5.1 Units of measurement (3)

5.2 Legal metrology marking and identification of measuring instruments (3)

5.2 Legal metrology marking and identification of measuring instruments (3)

Technical information and test prototype units 5.3 application should be submitted to (4)

6.2 Drive system (5)

Cycle counter 6.3 (5)

7.4 Electrical Equipment (6)

Noise 7.5 (7)

8 Pattern evaluation test items (7)

Test methods and test conditions 9 items (8)

9.3 Test methods (9)

Determination (13) 10 type of evaluation results 11 original record format type evaluation

(13) Appendix A measuring instrument type evaluation original record format (14) Appendix

B schematic dedicated gage (19)

Introduction

JJF 1315 "fatigue testing machine model evaluation framework" consists of two parts.

--- Part 1 axial loading fatigue testing machine;

--- Part 2 rotating pure bending fatigue testing machine.

This part is the fatigue testing machine model evaluation outline Part 2.

This outline is based on JJF 1016-2009 "Measuring Instruments type evaluation outline guidelines for the preparation", JJF 1015-2002 Principles of preparation "Measuring Instruments type evaluation and type approval of universal norms" provisions. Because of the type of fatigue testing machine, Type and specification more for type review, if not completely cover the entire fatigue testing machine metrology and technical requirements If required, to be prepared in accordance with the outline additional provisions related to corporate standards or technical documents, as a common type evaluation Basis.

When you use this syllabus for type evaluation test fatigue testing machine, to select the outline phase depending on the type of test machine it should be part of.

Fatigue testing machine model evaluation outline Part 2. rotating pure bending fatigue testing machine

1 Scope

This outline is applied to the rotating pure bending fatigue testing machine (hereinafter referred to as test machine) pattern evaluation. Rotating pure bending Flexural fatigue testing machine includes four force rotating pure bending fatigue testing machine, cantilevered rotating pure bending fatigue test Machines and high-temperature rotating pure bending fatigue testing machine.

2. References

JJG652-1990 rotating pure bending fatigue testing machine JJF 1011-2006 force value and hardness measurement terms and definitions GB/T 2611-2007 General requirements for testing machines GB/T 4337-2008 rotating bending fatigue testing of metallic materials Method GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements (IEC 60204-1:2005, Safetyofmachinery-Electricalequipmentofmachines-Part 1.

Generalrequirements, IDT) JB/T 9374-1999 pure bending fatigue testing machine technical conditions these documents contain provisions which through reference in this syllabus constitute provisions of this outline. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this syllabus, however, the drum According to the outline encourage parties to reach an agreement to study whether the latest versions of these documents. The undated Reference documents,

the latest versions apply to this outline.

3 Terms and symbols

3.1 Terms and Definitions the following terms and definitions apply to this outline.

3.1.1 arm momentarm

The distance between the fulcrum to the lifting point (see Figure 1). For the four-point type rotating force fatigue testing machine, L1 and L2 equal.

3.1.2 endurance limit stress Corresponding to a predetermined number of cycles, such as 10⁷ or 10⁸, the stress applied to the sample and the sample no failures occur range.