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JJG

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

JJG 808-2014

Replacing JJG 808-1993

**Veritication regulation of Standard Lever for Measuring Force
(English Translation)**

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3 Terminology and units of measurement (1)

3.1

The term (1)

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Introduction

This procedure prepared in accordance with the rules JJF1002-2012 "national verification procedures write rules" given.

The procedures in place JJG 808-1993 "standard load lever." Compared with JJG 808-1993, in addition to editorial changes, the major technical changes are as follows.

- Increased introduction;
- Increasing the reference document (see 2);
- Increasing the terminology and units of measurement (see 3);
- Increasing the load lever composition and structure of the load lever test diagram (see Figures 1 and 2);
- Unified measurement error limit indicators (see 5.1);
- Deleted the original connector protocol inter poor quality content requirements;
- Remove the original procedure dynamometer lever overload test related content;
- Modify the quality of the special weight relative error specification requirements and the corresponding detection methods (see 5.1,7.2.3);
- Modify the corresponding discrimination threshold indicators and detection methods (see 5.1,7.2.6);
- Modify indicators and formulas empty, loaded knife bearing deputy force displacement error (see 5.1,7.2.7);
- Revised Appendix A;
- Modify the test certificate within the page format (see Appendix B);
- Amend the notice of test results within the page format (see Appendix C);
- Modified test recording format (see Appendix D);
- Modify the approximate formula gravitational acceleration value (see Appendix E).

JJG 808 previous release case.

- JJG 808-1993 "standard load lever." Leverage standard dynamometer test procedures

1 Scope

The order applies to not more than the upper limit of the measurement range of 6kN

standard dynamometer lever arm (hereinafter referred to as load lever) the initial verification, use and subsequent verification check.

Greater than the upper limit of the measuring 6kN load lever can refer to these Rules.

2. References

JJG 99-2006 weight

JJG 144-2007 standard dynamometer for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 terminology and units of measurement

3.1 Terms

3.1.1 Key weightpoint Applying cutting edge position of gravity special weight on the load lever.

3.1.2 power point forcepoint Force will blade lever position after the special weight of gravity exerted by the amplifier output.

3.1.3 fulcrum supportingpoint Key balance the blade position and force point of load lever.

3.1.4 Leverage ratio leveramplification-ratio Distance and force to focus on the load lever fulcrum point to the ratio of the distance of the fulcrum.

3.1.5 Knife Cheng, vice combinationofknifeandknifebearing Load lever and knife combination knife-supporting.

3.1.6 lever base Dynamometer lever was horizontal measurement limit equilibrium state by the load lever of ruler, on connector, gain support plate and the mound End-point joint action force and force values in the output of the power point.

3.2 symbols, meanings and units Symbols used in this procedure, and the meaning of the unit shown in Table 1.

Table 1 Symbols, Meaning and Unit

No.	Symbol	Meaning	Unit
1	mc	special weight nominal mass conversion value	kg
2	m	special weight kg actual translation quality value	Quality
3	deltam	special weight% relative error	