

# JIS

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JIS Z 9015-2 : 1999

**Sampling procedures for inspection  
by attributes—  
Part 2 : Sampling plans indexed  
by limiting quality (LQ) for isolated  
lot inspection**

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ICS 03.120.30

**Descriptors** : inspection by attributes, inspection by variables, counting, quality control, statistical quality control, sampling equipment, sampling tables

**Reference number** : JIS Z 9015-2 : 1999 (E)

## Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

To conform with the International Standard **ISO 2859-3** : 1985 has been basically employed.

**JIS Z 9015** : 1999 consists of the following parts under the title "*Sampling procedures for inspection by attributes*".

- Part 0 : *Introduction to the JIS Z 9015 attribute sampling system*
- Part 1 : *Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection*
- Part 2 : *Sampling plans indexed by limiting quality (LQ) for isolated lot inspection*
- Part 3 : *Skip-lot sampling procedures*

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# Sampling procedures for inspection by attributes Part 2 : Sampling plans indexed by limiting quality (LQ) for isolated lot inspection

**Introduction** This Japanese Industrial Standard has been prepared based on **ISO 2859-2** *Sampling procedures for inspection by attributes Part 2 : Sampling plans indexed by limiting quality (LQ) for isolated lot inspection* issued in 1985 as the first edition without changing the technical contents.

The "Informative references" underlined with dots in this Standard show the matters not specified in the original International Standard.

**JIS Z 9015-1** specifies the sampling inspection plans indexed by AQL. These sampling inspection plans are widely used in various cases. They are designed originally for lot-by-lot inspection and the switching rules are applied. This rule can give (by switching to tightened inspection and, moreover, interrupting the inspection) a protection to the consumer on one hand, and give an incentive for quality improvement to the producers on the other hand. There are, however, many cases where the switching rules in **JIS Z 9015-1** are unapplicable. A lot in an isolated state is a typical case. This Standard is designed to be complementary for **JIS Z 9015-1** in a case like this.

The sampling plans in this Standard are indexed by limiting quality (LQ) but not indexed directly by AQL. This is a big difference from the special procedure for limiting quality protection by **JIS Z 9015-1**.

This Standard is made on the basis on the principle given below:

- a) the new LQ plans can be easily integrated with the existing AQL plans in **JIS Z 9015-1**;
- b) the LQ indexing uses a preferred series of values that cannot be confused with the preferred series of AQL values;
- c) the five basic numbers associated with a single sampling plan, i.e. lot size, sample size, acceptance number, AQL (or producer's risk quality) and LQ, appear in the same table, whenever possible.

Informative reference : ISO/DIS 2859-1.2 : 1997 *Sampling procedures for inspection by attributes Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection* is identical with **JIS Z 9015-1**.

## 1 Scope and field of application

### 1.1 Scope

This part of **JIS Z 9015** establishes LQ sampling plans and procedures for inspection by attributes compatible with **JIS Z 9015-1** that can be used when the switching rules given in **JIS Z 9015-1** are not applied, for example, when lots are of an isolated nature.