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**Shot and grit made of cast iron or  
cast steel**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Foundry Society, Inc. (JFSinc)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS G 5903**:1975 is replaced with this Standard, and **JIS G 5904**:1966 has been withdrawn and replaced with this Standard.

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# Shot and grit made of cast iron or cast steel

## 1 Scope

This Japanese Industrial Standard specifies requirements for shot and grit made of cast iron or cast steel, used for blast cleaning, shot peening, surface preparation, and etching (hereafter referred to as shot and grit, respectively).

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS Z 8801-1 *Test sieves—Part 1: Test sieves of metal wire cloth*

JIS Z 8815 *Test sieving—General requirements*

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

### 3.1

#### **shot**

spherical metal particles produced from molten metal through atomization

Shot may or may not be heat treated.

### 3.2

#### **grit**

angular-shaped metal particles produced by crushing shot

Grit may or may not be heat treated.

### 3.3

#### **cast iron**

ferrous alloy used for producing castings with a carbon content of over 2.14 % up to 6.67 %

### 3.4

#### **cast steel**

ferrous alloy used for producing castings with a carbon content of 2.14 % or under

### 3.5

#### **blast cleaning**

cleaning process in which shot or grit is impacted against the surface of a material in order to remove sand, coating film, rust, scale, flashes, etc.