



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

**中华人民共和国国家标准**

GB/T 12469-1990

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**Quality assurance of welding**

**Requirement for fusion welding joint of steel and  
classification for imperfection**

**焊接质量保证 钢熔化焊接头的要求和缺陷分级**

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Quarantine of the People's Republic of China**

## Contents

<b>1</b>	<b>Subject contents and scope of application</b> .....	<b>1</b>
<b>2</b>	<b>Referenced standard</b> .....	<b>1</b>
<b>3</b>	<b>Requirement and Defect Classification of Welding Joints</b> .....	<b>1</b>
<b>4</b>	<b>Basis for Defect Classification</b> .....	<b>2</b>
<b>5</b>	<b>Defect Inspection</b> .....	<b>4</b>
<b>6</b>	<b>Mark</b> .....	<b>4</b>
	<b>Additional Explanation:</b> .....	<b>8</b>

# **Quality assurance of welding**

## **Requirement for fusion welding joint of steel and classification for imperfection**

### **1 Subject contents and scope of application**

The standard specifies the requirement and defect classification of steel fusion welded joints.

The standard applies to BJ and FJ (Lap joint and type T) joints welded by fusion welding.

### **2 Referenced standard**

GB 2649~2655 Test Methods for Mechanical Properties of Welded Joints

GB 6417 Name and Classification of Defects of Metal Melting Welding Seam

GB 324 Symbolic Representation of Welding Seam

GB 3323 Radiography and Quality Classification of Steel Fusion Welded Butt Joints

GB 11345 Manual Ultrasonic Flaw Detection Method and Classification of Flaw Detection  
Results of Steel Weld Seam

GB 10854 Dimension of Steel Weld Seam

GB 5185 Code Representation on Drawings of Metal Welding and Soldering Methods

### **3 Requirement and Defect Classification of Welding Joints**

#### **3.1 Requirement on Performance of the Joint**

The standard does not perform classification on specification of mechanical properties of the joints, but design document or technical requirement must specify the items and indexes of joint property (welding seam metal included) of the product, and should conform to design code, rules or laws of corresponding product.

Item of requirement of joint performance is as follows:

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