JIS

JAPANESE INDUSTRIAL STANDARD

Cold headed rivets

JIS B 1213-1995

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Cold headed rivets   B 1213-1995

1.   Scope   This Japanese Industrial Standard specifies cold headed ([1]) rivets made of steel (hereafter referred to as "steel rivets"), rivets made of brass (hereafter referred to as "brass rivets"), rivets made of copper (hereafter referred to as "copper rivets") and rivets made of aluminium (hereafter referred to as "aluminium rivets") for general use.

Note ([1])   This is defined as to form the head part by means of plastic working in a cold state, but does not mean the forming by caulking in a cold state.

Remarks 1.   When the steel rivets, brass rivets, copper rivets and aluminium rivets are generically called in this Standard, they are simply called as "rivets".

2.   The following standards are cited in this Standard:

JIS G 3505   Low carbon steel wire rods

JIS G 3539   Carbon steel wires for cold heading and cold forging

JIS H 3260   Copper and copper alloy wires

JIS H 4040   Aluminium and aluminium alloy rods, bars and wires

JIS Z 2201   Test pieces for tensile test for metallic materials

JIS Z 2241   Method of tensile test for metallic materials

2.   Types   The type of the rivets shall be five types of the round head rivets, small size round head rivets, countersunk head rivets, thin flat head rivets and pan head rivets.

3.   Mechanical properties

3.1   Toughness of head   When the rivet is tested in accordance with the specification of 7. (1) (a), no breakage shall take place at the joint between the head and the shank, and no cracking shall occur at the underhead fillet.

3.2   Toughness of shank   When the rivet is tested in accordance with the specification of 7. (1) (b), no cracking shall occur on the periphery of the flattened test piece.

4.   Shape and dimensions   The shape and dimensions of the rivet shall be in accordance with Table 1.