

ICS 21.060.10
CCS J 13



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

GB/T 10432.3-2010

Replacing GB/T 10432-1989

**Unthreaded studs for capacitor discharge welding
(English Translation)**

Issued on: January 14, 2011

Implemented on: October 1, 2011

Issued by: Standardization Administration of China

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Foreword

This section GB/T 10432 (hereinafter referred to in this section) is one of the national standard "stud welding and welding nails" product series standards, the department Columns include.

- GB/T 902.1-2008 manual welding with welding studs;
- GB/T 902.2-2010 stud welding arc stud welding;
- GB/T 902.3-2008 discharge welding studs;
- GB/T 902.4-2010 short cycle stud welding arc stud welding;
- GB/T 10432.1-2010 arc stud welding with no head studs;
- GB/T 10432.2-201 x short cycle stud welding arc welding with headless nails;
- GB/T 10433-2002 arc stud welding with welding cylinder head nails.

The partial modification of the use of ISO 13918:2008 headless stud welding "welding arc stud welding studs and magnetic" provisions (UT type) (English Chinese Version).

This part of ISO 13918:2008 headless studs (UT type) the main changes are as follows.

- In the reference file, instead of using our standards with international standards (Chapter 2);
- ISO 13918 does not provide packaging technology requirements in this section shall be specified (see Table 2);
- ISO 13918 does not provide for a simplified mark, according to this part of GB/T 1237 presents a simplified markup example (see 5.2).

This Part replaces GB/T 10432-1989 "headless stud welding." this section compared with the GB/T 10432-1989 main changes are as follows.

--- Increasing the preface;

--- Adjustment references (Chapter 2);

--- Adopt ISO 13918 in UT type headless studs, their type and size substantially the same as the old standard (Chapter 3);

--- Increase in stainless steel and non-ferrous metal studs, and provides performance rating. 4.8 carbon steel (carbon content should be less than equal to 0.18%, and shall not be used cutting steel), stainless steel A2-50 (cutting steel shall not be used), as well as non-ferrous metal is CU2 (see Table 2).

Appendix A of this section is an informative annex.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee fasteners (SAC/TC85) centralized.

This section is responsible for drafting unit. Productivity Promotion Center in the machine.

Participated in the drafting of this section. Beijing Hongguang Electrical Equipment Factory.

This part of the National Standardization Technical Committee Secretariat responsible for the interpretation of fasteners.

This part of the standard replaces the previous editions are.

--- GB/T 10432-1989.

Discharge welding studs with headless

1 Scope

This section GB/T 10432 specifies the nominal diameter of 3mm ~ 6mm of discharge welding of the headless studs (UT type).

Type of product standards ISO 13918 and control provisions, see Appendix A.

2 Normative references

The following documents contain provisions which, through reference GB/T 10432 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 90.1 fasteners acceptance inspection (GB/T 90.1-2002, idt ISO 3269:2000) GB/T 90.2 Fasteners marking and packaging GB/T 1237 fasteners labeling method (GB/T

1237-2000, eqv ISO 8991. 1986) GB/T 3098.1 Mechanical properties of fasteners Bolts, screws and studs (GB/T 3098.1-2010, ISO 898-1:2009, IDT) GB/T 3098.6 Mechanical properties of fasteners stainless steel bolts, screws and studs (GB/T 3098.6-2000, idt ISO 3506-1.

1997)

GB/T 3098.10 Mechanical properties of fasteners non-ferrous metal manufacturing bolts, screws, studs and nuts (GB/T 3098.10-1993, eqv ISO 8839. 1986) GB/T 3103.1 Tolerances for fasteners - Bolts, screws, studs and nuts (GB/T 3103.1-2002, ISO 4759-1:2000, IDT)

3.1 General

--- Weld length (l_2) is the design value. Appropriately controlled welding to maintain l_2 within $\pm 1\text{mm}$. Under special conditions, such as penetration - loaded Accessories Stud Welding l_2 may be different from the nominal value.

After welding size --- Figure 1 shows the reference value.

--- A) of Figure 1 is not specified dimensions and tolerances, determined by the manufacturer. This also applies to the shape of the stud welding position changes, such as drilling and slotting not affect the weldability.

3.2 Headless studs (UT type)

Headless studs (UT type) type dimensions shown in Figure 1 and Table 1.