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

GB/T 902.3-2008

Replacing GB/T 902.3-1989

Weld studs for capacitor discharge welding

储能焊用焊接螺柱

(English Translation)

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Dimensions
- 3.1 Threaded stud welding (PT type)

Foreword

This section is one of the national standard "stud welding and welding nails" product family standard. The series includes.

- GB/T 902.1-2008 manual welding with welding studs;
- GB/T 902.2-1989 motorized arc welding studs;
- GB/T 902.3-2008 discharge welding studs;
- GB/T 10432-1989 headless studs;
- GB/T 10433-2002 arc stud welding with welding cylinder head nails.

This section is GB/T 902 - Part 3.

The partial modification of the use of ISO 13918:1998 Stud (PT type) "welding arc stud welding with magnetic studs and" provides a threaded and internally threaded stud (IT 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 3);
- ISO 13918 does not provide for a simplified mark, according to this part of GB/T 1237 presents a simplified mark (see 5.2).

This Part replaces GB/T 902.3-1989 "discharge welding studs." this section compared with the GB/T 902.3-1989 main changes are as follows.

- Increasing the preface;
- Adjust the reference standard (Chapter 2);
- Using ISO 13918 regulations threaded stud welding (PT type, with the same old

standard Type A) and internally threaded stud welding (IT Type), canceled the old standard B type welding studs (Chapter 1, Chapter 3 and Chapter 5);

--- Increase in stainless steel and nonferrous metal stud welding, 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 3).

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 902-67, GB 902-76, GB/T 902.3-1989.

Discharge welding Stud Welding

1 Scope

This section provides specifications for the M3 ~ M8 thread of discharge welding threaded welding stud (PT type) and a nominal diameter of 5mm ~ 7.1mm internally threaded stud welding (IT type).

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement Whether 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 90.2-2002 fastener marking and packaging GB/T 196 common thread basic size (GB/T 196-2003, ISO 724:1993, ISO generalpurposemetric screwthreads-Basicdimensions, MOD) GB/T 197 common thread tolerance (GB/T 197-2003, ISO 965-1:1998, ISO generalpurposemetric screwthreads-Tolerances-Part 1. Principlesandbasicdata, MOD) 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 3098.1-2000, idt ISO

898-1:1999) 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 16938 Fasteners Bolts, screws, studs and nuts - General technical conditions (GB/T 16938-2008, ISO 8839. 2005, IDT)

3.1 Threaded stud welding (PT type)

PT Weld stud pattern dimensions shown in Figure 1 and Table 1.