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

中华人民共和国煤炭行业标准

MB/T 790-2006

Replace MT/T 790-1998

Drill for exploring in coal mine gallery

煤矿坑道勘探用钻机

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Foreword

This Standard is the amendments of MT / T 790 - 1998 *Drill for Exploring in Coal Mine Gallery* and this Standard replaces the MT / T 790-1998.

This Standard has the major changes as follows in comparison with MT/T 790—1998:

——Deleted functional requirements related to the drill using (4.1.2, 4.1.3 and 4.1.4 of 1998 edition);

——Added pressure-tolerant and sealing performance test for the hydraulic system assembly withstand voltage (4.3.6);

——Modified the requirements of the maximum feed force and pull force of feed mechanism (4.3.2.2 of 1998 edition, 4.4.2 of this edition);

——Modified the temperature rising requirements (4.3.4 of 1998 edition, 4.6 of this edition);

——Modified overall efficiency requirements for hydraulic transmission drill (4.3.5 of 1998 edition, 4.7 of this edition);

——Modified the drill noise requirements and test conditions (4.3.6 and 5.7.2 of 1998 edition, 4.8 and 5.8.2 of this edition);

——Modified the overload test conditions (5.4.3 and 5.4.4 of 1998 edition, 5.5.3 and 5.5.4 of this edition);

——Deleted the reliability requirements and experiment (4.3.7 and 5.8 of 1998 edition);

This Standard is proposed by the Ministry of Science and Technology Development of the China Coal Industry Association.

This Standard is under jurisdiction of Coal Mining Special Equipment Standardization Technical Committee of the coal industry.

This Standard is drafted by: Xi'an Branch of Coal Science Research Institute.

Main drafters of this Standard: Hu Shaoyun, Yao Ningping, Liu Xiaoyan.

This Standard was first released in 1998.

Drill for exploring in coal mine gallery

1 Scope

This Standard specifies the types and basic parameters, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage of the drill for exploring in coal mine tunnel (hereinafter called drill for short)

This Standard applies to the drill whose main role is to exploring in the coal mine.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 3836.1 Electrical apparatus for explosive gas atmospheres--Part 1: General requirements (GB 3836.1-2000, eqv IEC 60079-0:1998)

GB 3836.2 Electrical apparatus for explosive gas atmospheres--Part 2: Flameproof enclosure d (GB 3836.2-2000, eqv IEC 60079-1: 1999)

GB 3836.4 Electrical apparatus for explosive gas atmospheres--Part 4: Intrinsic safety (GB 3836.4-2000, eqv IEC 60079-11:1999)

GB/T 13813 Testing method and judging rule of safety to friction spark of metallic material for coal mine

MT/T 98 Inspection specifications of hose and hose kit for powered support

MT 113 General Test Methods and Judgment Rules for Fire-resistant Antistatic Properties of Polymer Products for Coal Mines

MT/T 154.1 The model designation of electromechanical product for coal mine Part 1: Directive mine

MT 374 Inflaming anti-static V-belt safety testing method and decision rule

MT/T 776-1998 Specification for routine inspection of coal mining machine-hydraulic system assembly



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