

ICS25.160.10

F23

Record No29042-2010

DL

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

中华人民共和国电力行业标准

**DL/T 752-2010
Replace DL/T 752-2001**

**The Code of the Welding on Dissimilar Steel for
Power Plant**

火力发电厂异种钢焊接技术规程

Issued on May 24, 2010

Implemented on October 01, 2010

Issued by National Energy Administration

Contents

| | |
|---|----|
| Foreword | I |
| 1 Scope | 1 |
| 2 Normative References | 1 |
| 3 General Requirements | 1 |
| 5 Adoption of Welding Materials | 4 |
| 6 Welding Process | 4 |
| 7 Welding Heat treatment | 6 |
| 8 Quality Inspection and Repair | 6 |
| 9 Technical Documents | 7 |
| Annex A (Informative) Reference Data of Chemical Composition and Mechanical Performance of Partial Materials of Common Class B and C Steels for Power Plant..... | 8 |
| AnnexB (Informative) Comparison Table of Similar Steel Designation..... | 12 |

Foreword

This standard is the revision of DL/T 752-2001 "The Code of the Welding on Dissimilar Steel for Power Plant" according to the arrangement of "Notice of General Office of National Development and Reform Commission on Printing the Revision and Development Plan of Professional Standards in 2007" (FGBGY [2007] No. 1415).

Compared with DL/T 752-2001, the following revisions are mainly made in this standard:

- New national material standards were added;
- Divisions of dissimilar steels welded joints were redefined;
- Principles of dissimilar steels welding procedure qualification and application of procedure qualification were added;
- Adoption principles of dissimilar steels welding materials were determined;
- Welding heat treatment process of dissimilar steels welded joints was supplemented;
- Quality inspection on the dissimilar steels welded joints was revised

Annex A and B in this standard are informative.

This standard was proposed by China Electricity Council.

This standard is under the jurisdiction of Technical Committee for Standardization of Station Welding of Power Sector.

Drafting organization of this standard: China Electric Power Research Institute

Participating drafting organizations: Beijing Electric Power Construction Company, Jiangsu Electric Power Construction No.3 Engineering Company, Shandong Electric power Construction No.2 Company.

Chief drafting staffs: Guo Jun, Qiao Yaxia, Ren Yongning, Zhuang Haiqing, Li Weimin and Liu Zhenshui.

This standard was firstly issued on February 12, 2001, and this is the first revision.

The opinions and suggestions during the process of implementing this standard will be fed back to China Electricity Council Standardization Center (Address: Ertiao Gasse 1, Baiguang Road, Beijing City, 100761, China).

The Code of the Welding on Dissimilar Steel for Power Plant

火力发电厂异种钢焊接技术规程

1 Scope

This standard specifies the technical requirements of the welding on dissimilar steel for power plant. This standard applies to the welding work on dissimilar steels of the welded compression components or of the non-compression components on the pressure-bearing components by adopting with such welding methods as shielded metal arc welding, argon tungsten-arc welding, consumable electrode gas shielded welding, flux-cored wire electric arc welding and submerged arc welding.

2 Normative References The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For dated reference, subsequent amendments (excluding error in the text) to, or revisions of, any of these publications do not be applied. However, the parties coming to an agreement according to these specifications are encouraged to study whether the latest editions of these standards are applicable to this standard. For undated references, the latest edition of the normative document is applicable to this standard.

- GB/T17394 Metallic Materials-Leeb Hardness Test
- GB/T713 Steel Plates for Boiler and Pressure Vessels
- GB/T1220 Stainless Steel Bars
- GB/T1221 Heat-Resistant Steel Bars
- GB/T1591 High Strength Low Alloy Structural Steels
- GB/T5310 Seamless Steel Tubes and Pipes for High Pressure Boiler
- DL/T 679 Code for Welder Technical Qualification
- DL/T 819 The Code of the Welding Heat Treatment for Power Plant
- DL/T 868 The Code of Welding Procedure Qualification
- DL/T 869 The Code of the Welding for Power Plant
- DL/T 884 Power Plant Metallography Inspection and Assessment Guideline
- JB/T 3223 The Code of the Quality Management of Welding Materials
- JB/T 9625 Specification for Pressure Retaining Casting of Boller Pipe Fittings

3 General Requirements

3.1 Division of welded joints for dissimilar steels

3.1.1 Group divisions of common steels are shown as Table 1.

Table 1 Group Division of Common Steels

| Class group | Example of steel grade |
|-------------|------------------------|
|-------------|------------------------|



北京文心雕语翻译有限公司
Beijing Lancarver Translation Inc.

完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: info@lancarver.com

<http://www.lancarver.com>

线下付款方式：

1. 对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

2. 支付宝账户：info@lancarver.com

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！



银联特约商户