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

GB/T 9119.1-1988

Replacing GB/T 2506-2005; GB/T 9119-2000

**Slip-on-welding plate steel pipe flanges
(English Translation)**

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Foreword

GB/T 9112 ~ 9124-2010 "steel pipe flanges" series Standard is a modified ASMEB16.5-2009 "pipe flanges and flanged pipe Member (NPS1/2 ~ NPS24) "and EN1092-1:2007" Flanges and their connecting pipes, valves, fittings and accessories, circular flange, PN identification - Part 1. Steel flanges. " ASMEB16.5-2009 is a complete standards for Class marks flange, EN1092-1:2007 is a complete standard PN mark on the flange. This series of standards using a combination of the above two criteria, including Mark the relevant technical content Class flange and flange PN mark. This series of standards for a total 13 standard, this standard is one of a standard.

This standard EN1092-1:2007 standard main difference is as follows.

- The preparation of this standard format and EN1092-1:2007 different standards;
- EN1092-1:2007 standard does not include two DN175 and DN225 nominal size, according to users of marine flange Requirements, this series of standards PN flange marked increase of DN175 and DN225 only two male marine said flange size.

This standard replaces GB/T 9119-2000 "flat panel projecting flat welded steel pipe flanges", GB/T 2506-2005 "ship lap welding steel Flange (four into bits) ", compared with the original standard main changes are as follows.

- The original GB/T 9119-2000 and GB/T 2506-2005 integrated as a standard;
- According to EN1092-1:2007 standard, the nominal pressure range PN labeled expanded from the original PN2.5 ~ PN40 to PN2.5 ~ PN100;
- PN flange marked increase in the DN175 and DN225 only two male Marine flange nominal size;
- According to EN1092-1:2007 standard, flange dimensions data PN-labeled comprehensive revision;
- Various sealing surface increases the scope of application form.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee pipe accessories.

This standard was drafted. the machine Productivity Promotion Center, Jiangsu Haida Pipe Fittings Group Co., Ltd. Bengbu City Zhongyuan fabrication of pipe fittings Limited, St-day Group of Hebei Bao silver high-pressure pipe flanges Limited, China Shipbuilding Technology and Economy Research Institute, Zhejiang Chaoda Valve Co., Ltd., a Group Ltd. Paul.

1 Scope

This standard specifies the nominal pressure PN with marked plate flat welding steel pipe flange type, size, technical requirements and marking.

This standard applies to nominal pressure plate flat welding steel pipe flanges PN2.5 ~ PN100 in.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 9112 steel pipe flanges with type parameters GB/T 9124 steel pipe flanges

3 Type and size

3.1

plate flat welding steel pipe flange sealing surface type with PN-labeled and applicable nominal and nominal size range according to Table 1 Provisions.

Table 1 plate flat welding steel pipe flange sealing surface type and labeled with PN nominal pressure applied and the nominal size range

Sealing surface

Type

Nominal

PN2.5 PN6 PN10 PN16 PN25 PN40 PN63 PN100 Plane (FF) DN10 ~ DN2000 DN10 ~ DN2000 DN10 ~ DN2000 DN10 ~ DN2000 DN10 ~ DN800 DN10 ~ DN600 Raised face (RF) DN10 ~ DN2000 DN10 ~ DN2000 DN10 ~ DN2000 DN10 ~ DN2000 DN10 ~ DN800 DN10 ~ DN600 DN10 ~ DN400 DN10 ~ DN350 3.2 plate flat welding steel pipe flange type shall comply with Figs. 1 and 2, the flange dimensions comply with the requirements of

Tables 2 to 9.

Figure 1 plane (FF) plate flat welding steel pipe flanges

(Applicable to PN2.5, PN6, PN10, PN16, PN25 and PN40)