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

GB/T 5645-2008

Flared couplings - Connector for pressure gauge

扩口式压力表管接头

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Foreword

This standard is one flared fittings series. This standard is GB/T 5645.1-1985 "flared fittings gauge" and GB/T 5645.2-1985 "flared tube gauge Joint body "amendments. The main amendments are.

- The two standard content integration;
- Modify the English name;
- Increased 55 ° unsealed pipe thread (G);
- Reducing the parameters should be part of the manufacturer's control;
- Tolerance on the part of prevailing standards of tolerance and fit adjustment;
- Cancel the marked surface roughness, surface roughness is given in GB/T 5653 "flared fittings technical conditions" in. Since the implementation of this standard replaces GB/T 5645.1-1985, GB/T 5645.2-1985. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard is drafted by: Jianhu good special hydraulic pipe fittings Co., Ltd., machine Productivity Promotion Center. Participated in the drafting of this standard. Haiyan Pipe Manufacturing Co., Eaton (Ningbo) fluid connector Ltd., Jiaxing Mai Site fittings Manufacturing Co., Ltd., a high-Bo Haiyan Pipe Co., Ltd., Haiyan tube Manufacturing Co., Ltd. Jiaozuo City roads lead to hydraulic attachments. The main drafters of this standard. Gengzhi school, Li Weirong, Zhou Shunhua, Li Junying, Zuo Jun, Tao Zhongming, Ruanhao Feng, Zhou Jianfei, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:
- GB/T 5645.1-1985, GB/T 5645.2-1985. Flared gauge fittings

1 Scope

China's national standard for the flared tube pressure gauge connector. A gauge

connection is a special case in a hydraulic system and this fitting reflects it. Its size range is narrower than the rest of the family - 6 to 14 mm rather than 4 to 34 - because a gauge line carries no flow, only pressure, so there is no reason for a large bore and every reason for a small one: a small line damps the pressure spikes that destroy gauge movements, and it limits what escapes if the line is broken. The connector also has to mate with the gauge's own thread rather than with a machine port, and it is made and broken far more often than any other fitting in a system, since gauges are removed for calibration, moved between test points, and fitted temporarily during commissioning. The standard specifies the dimensions, marking and technical requirements of the gauge connector and its body, for tube outside diameters of 6 to 14 mm at 3.5 to 16 MPa.

This standard specifies the dimensions, marking and technical requirements flared gauge fittings and joints of the body. This standard applies to the pipe diameter of 6mm ~ 14mm, the maximum working pressure of the hydraulic fluid transmission 3.5MPa ~ 16MPa and a General purpose piping system.

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 5646-2008 flared pipe joint socket

GB/T 5647-2008 flared tube fittings A nut

GB/T 5648-2008 flared tube fittings B nuts

GB/T 5652-2008 flared flared end fittings Dimensions

GB/T 5653-2008 flared tube fittings

JB/T 1002-1977 sealing gasket

3 Dimensions

Flared gauge fittings and joints shall conform to the dimensions of the body 1, the provisions of Figure 2 and Table 1, the connector body size should be consistent with the flared end GB/T 5652 regulations.

4 Mark

4.1 labeling method Flared tube gauge connector body joints and labeling methods should be consistent with GB/T 3761's.

4.2 tag example Flared type A, the pipe diameter of 10mm, steel flared fittings gauge galvanized surface markers as follows: Fittings GB/T 5645 A

10 Flared type A, the pipe diameter of 10mm, steel flared fittings gauge galvanized surface marked. Joint body GB/T 5645 A10

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.