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

GB/T 5644-2008

Flared couplings - Bulkhead union elbow

扩口式过板弯通管接头

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Foreword

This standard is one flared fittings series. This standard is GB/T 5644.1-1985 "flared fittings Bulkhead" and GB/T 5644.2-1985 "flared wall straight Amendment corner fittings Style ". The main amendments are.

- The two standard content integration;
- Modified Chinese and English name;
- Increasing the hexagonal structure of the blank;
- 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 5644.1-1985 and GB/T 5644.2-1985. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard is drafted by: Haiyan pipe Manufacturing 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., Jianhu particularly good hydraulic pipe fittings Co., high-Bo Haiyan Pipe Fittings Co., Ltd. Jiaozuo City roads lead to hydraulic attachments. The main drafters of this standard. Zhou Jianfei, Gengzhi school, Li Weirong, Zhou Shunhua, Tao Zhongming, Zuo Jun, Ruanhao Feng, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:
- GB/T 5644.1-1985, GB/T 5644.2-1985. Flared through the plate elbow fittings

1 Scope

China's national standard for the flared tube bulkhead union elbow. It combines two

functions that often coincide: passing a hydraulic line through a wall and turning it through a right angle as it does so. That combination is exactly what a tank penetration or a frame crossing usually needs, because a tube arriving perpendicular to a panel rarely wants to continue in the same direction once it is through - it has to run along the far face. Doing it with a bulkhead union and a separate elbow means two joints in the confined space immediately behind a panel, where neither can be reached with a spanner; doing it with a single fitting means one, and it is anchored to the structure so that no load reaching either tube is passed to the other. The standard specifies the dimensions, marking and technical requirements of the bulkhead elbow and its body, for tube outside diameters of 4 to 34 mm at working pressures of 3.5 to 16 MPa.

This standard specifies the flared through the plate elbow pipe dimensions, marking and technical requirements of the joint and the joint body. This standard applies to pipe outside diameter 4mm ~ 34mm, the maximum working pressure of the hydraulic fluid and transmission of a 3.5MPa ~ 16MPa 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 3763-2008 fittings with hexagon thin nuts

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

3 Dimensions

Flared through the plate elbow fittings and joints body dimensions shall comply with the provisions Figs. 1 to 4 and Table 1, the connector body size should meet the flared end Co GB/T 5652 regulations.

4 Mark

4.1 labeling method Flared labeling methods through the plate elbow fittings and joints of the body should be consistent with GB/T 5653 regulations.

4.2 tag example Flared type A, the pipe diameter of 10mm, galvanized steel flared surface treated through the plate elbow fittings marked. Fittings GB/T 5644 A

10 Flared type A, the pipe diameter of 10mm, galvanized steel flared surface treated through the plate elbow joint body marked. Joint body GB/T 5644 A10

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.