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

GB/T 5631-2008

Flared couplings - Straight thread elbow

扩口式可调向端弯通管接头

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Foreword

This standard is one flared fittings series. This standard is GB/T 5631.1-1985 "flared fittings adjustable right angle to the end" and GB/T 5631.2-1985 "the flare may Amendment to the end of the tune right angle fittings Style ". The main amendments are as follows:

- The two standard content integration;
- Modified Chinese and English name;
- Increasing the hexagonal structure of the blank;
- Adjustable to modify the size of the end;
- Reducing the parameter section control by the manufacturer;
- 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 5631.1-1985, GB/T 5631.2-1985. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard is drafted by: The machine Productivity Promotion Center, Haiyan Pipe Manufacturing Co., Ltd. Haiyan high Bo tube. Participated in the drafting of this standard. Eaton (Ningbo) fluid connector Ltd., Jiaying Mai Site Pipe Manufacturing Co., Ltd., Jianhu special Jia Hydraulic Fittings 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, Ruanhao Feng, Zuo Jun, Tao Zhongming, Zhou Jianfei, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:
- GB/T 5631.1-1985, GB/T 5631.2-1985. Adjustable flared end elbow fittings

1 Scope

China's national standard for the adjustable straight thread flared elbow. This is the fitting that solves the orientation problem inherent in a threaded elbow. Its port end carries a straight thread with a locknut and a seal, so the fitting is screwed in, turned to point the tube exactly where it must go, and then locked by tightening the nut down onto the face of the boss - the seal is made by that face, not by the thread, so the fitting can be clocked to any angle and still seal fully. On a machine where a tube must leave a manifold in a defined direction to clear other components, this is the difference between an installation that assembles and one that does not, and it removes the temptation to overtighten or back off a tapered fitting to make it point the right way. The standard specifies the dimensions, marking and technical requirements for tube outside diameters of 4 to 34 mm at 3.5 to 16 MPa.

This standard specifies the flared end of the elbow tube is adjustable to size, 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 3765-2008 bite type tube fittings

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 5649-2008 fittings with nut and washer

GB/T 5652-2008 flared flared end fittings Dimensions

GB/T 5653-2008 flared tube fittings

3 Dimensions

Adjustable size flared end elbow fittings and joints of the body shall comply with Figure 4 and Table 1, Figure 1 to the adjustable character size should be to end Co GB/T 3765 Appendix A in the L series of provisions, the flared end connector body size should be consistent with the provisions of GB/T 5652's.

4 Mark

4.1 labeling method Flared end labeling method Adjustable 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, the common thread (M) Adjustable threaded post terminals, steel flared surface galvanized adjustable To the end of the elbow pipe fitting marked. Fittings GB/T 5631 A10F Flared type A, the pipe diameter of 10mm, the common thread (M) Adjustable threaded post terminals, steel flared surface galvanized adjustable To the end of the elbow joint body marked. Joint body GB/T 5631 A10F

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.