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

GB/T 5632-2008

Flared couplings - Swivel elbow

扩口式组合弯通管接头

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Foreword

This standard is one flared fittings series. This standard is GB/T 5632.1-1985 "flared combination right angle fittings" and GB/T 5632.2-1985 "flared combination 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 5632.1-1985, GB/T 5632.2-1985. 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., Jiaxing 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 5632.1-1985, GB/T 5632.2-1985. Flared combination elbow fittings

1 Scope

China's national standard for the flared tube swivel elbow. The swivel member differs from

the fixed elbow in that the tube connection rotates on the body, so the tube's direction is chosen at assembly and remains free of the fitting's own threaded engagement entirely. This matters most where a tube runs to a part that moves, or where the assembly sequence forces the tube to be brought in at an angle and then aligned - a fixed elbow demands that the tube be manufactured to exactly the right rotational position, and any error is taken up by bending the tube, which loads the flare in a direction it was not designed for. A flare held in permanent bending is the classic cause of a fatigue crack at the tube's neck, which is why the swivel exists. The standard specifies the dimensions, marking and technical requirements of the swivel elbow and its body, for tube outside diameters of 4 to 34 mm at 3.5 to 16 MPa.

This standard specifies the composition elbow flared tube 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 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 combination elbow fittings and connector body dimensions shall comply with 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 Labeling method of joints and the joint body composition elbow flared tube should be consistent with GB/T 5653 regulations.

4.2 tag example Flared type A, the pipe diameter of 10mm, steel flared surface galvanized

combination of elbow fittings marked. Fittings GB/T 5632 A

10 Flared type A, the pipe diameter of 10mm, steel flared combination of elbow joint surface galvanized marked. Joint body GB/T 5632 A10

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.

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