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

GB/T 5629-2008

Flared couplings - Male elbow

扩口式锥螺纹弯通管接头

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Foreword

This standard is one flared fittings series. This standard is GB/T 5629.1-1985 "flared rectangular tapered thread fittings" and GB/T 5629.2-1985 "flared cone snail Amendment profile right angle fittings Style ". The main amendments are as follows:

- The two standard content integration;
- Modified Chinese and English name;
- Threaded end of the column increases the 55 ° sealing pipe thread (R) and 60 ° sealing pipe thread (NPT), to cancel the original standard metric taper thread (ZM);
- 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 5629.1-1985, GB/T 5629.2-1985. 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., Limited Jianhu particularly good hydraulic fittings the company. Participated in the drafting of this standard. Eaton (Ningbo) fluid connector Ltd., Jiaying Mai Site Pipe Manufacturing Co., Ltd., Bo Gao Haiyan Tube 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, Zuo Jun, Tao Zhongming, Ruanhao Feng, Zhou Jianfei, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:
 - GB/T 5629.1-1985, GB/T 5629.2-1985. Flared taper thread elbow fittings

1 Scope

China's national standard for the flared tube male elbow, with a tapered thread on the port end. The elbow exists because a tube cannot be bent to a tight radius near its end: the flare has to be formed on a straight length, the nut has to slide over the tube behind it, and there must be room for a spanner - so a tube leaving a port at right angles needs a fitting rather than a bend. That is the normal case where a port faces into a confined space or towards an adjacent component. Being a tapered thread, the elbow's final orientation is set by how far it screws in, which cannot be predicted exactly, so the installer either accepts the angle the correct torque produces or shims the joint - a practical limitation the swivel and adjustable members of the family exist to remove. 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 dimensions, marking and technical requirements flared taper thread elbow fittings and joints of the 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 type tube fittings and threaded elbow joint body dimensions shall comply with Figs. 1 to 4 and Table 1, the connector body size should be flared end Comply with GB/T 5652's.

4 Mark

4.1 labeling method Labeling method of joints and the joint body flared taper thread elbow

pipe should be consistent with GB/T 5653 regulations.

4.2 tag example Flared type A, the pipe diameter of 10mm, steel flared bend 55 ° taper thread sealing pipe thread (R), galvanized surface through pipe joint Head marked. Fittings GB/T 5629 A10/R1/

4 Flared type A, the pipe diameter of 10mm, steel flared taper thread elbow fitting 55 ° sealing pipe thread (R), galvanized surface treated Body mark. Joint body GB/T 5629 A10/R1/4

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.