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

GB/T 5647-2008

Flared couplings - Style A nut

扩口式管接头用A型螺母

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Foreword

This standard is one flared fittings series. This standard is GB/T 5647-1985 "A flared type tube fittings" amendments. The main amendments are.

- Modified Chinese and English name;
- 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, roughness conditions are given in the technical standards. Since the implementation of this standard replaces GB/T 5647-1985. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard is drafted by: Productivity Promotion Center in the machine, high-Bo Haiyan Pipe Fittings Co., Ltd. Participated in the drafting of this standard. Haiyan Pipe Manufacturing Co., Eaton (Ningbo) fluid connector Ltd., Jiaying Mai Site fittings Manufacturing Co., Ltd., Jianhu particularly good hydraulic pipe fittings Co., Ltd., Haiyan tube Manufacturing Co., Ltd., Jiaozuo City, has lead to the hydraulic attachment Limited. The main drafters of this standard. Li Weirong, Gengzhi science, Ruanhao Feng, Zhou Shunhua, Tao Zhongming, Zuo Jun, Zhou Jianfei, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:
 - GB/T 5647-1985. Flared type tube fittings A nut

1 Scope

China's national standard for the style A nut used in flared tube couplings. The nut is what makes the joint: it slides over the tube before the flare is formed, and tightening it drives the flare against the fitting's cone seat with enough force to seal metal on metal at working pressures up to 16 MPa. Everything about it is therefore determined by what it must do rather than by convenience - the thread must carry that force with margin, the length must engage enough threads, the bore must clear the tube without binding, and the hexagon

must be big enough to take the torque with a normal spanner. Style A is one of the two nut forms in this family, differing from style B in proportions and hexagon size, and the two are not interchangeable in a joint. The standard specifies the style A nut's dimensions and technical requirements, for tube outside diameters of 4 to 34 mm at working pressures of 3.5 to 16 MPa.

This standard specifies the flare tube fittings A nut size and technical requirements. 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 5653-2008 flared tube fittings

3 Dimensions

Flared type tube fittings A nut dimensions shall comply with the provisions of Figure 1 and Table 1.

4 Mark

4.1 labeling method Flared type tube fittings nut A mark shall comply with the provisions of GB/T 5653's.

4.2 tag example Tube outer diameter of 10mm, zinc coated steel flared fittings marked with A nut. Nut GB/T 5647 A10

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.