

ICS 21.060.60

CCS J 15



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

GB/T 5642-2008

Flared couplings - Weld male

扩口式焊接管接头

Issued on: May 7, 2008

Implemented on: November 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;
Standardization Administration of the PRC**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Dimensions
- 4 Mark
- 5 Technical requirements

Foreword

This standard is one flared fittings series. This standard is GB/T 5642.1-1985 "flared welding fittings" and GB/T 5642.2-1985 "Flared type tube fittings Amendment Style ". The main amendments are.

- The two standard content integration;
- Modify the 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, surface roughness is given in GB/T 5653 "flared fittings technical conditions" in. Since the implementation of this standard replaces GB/T 5642.1-1985, GB/T 5642.2-1985. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard is drafted by: Eaton (Ningbo) Co., fluid connector, the machine Productivity Promotion Center. Participated in the drafting of this standard. Tube Manufacturing Co., Ltd. Haiyan, Jiaxing Mai Site Pipe Manufacturing Co., Ltd., Jianhu particularly good hydraulic tube Ltd., high-Bo Haiyan Pipe Fittings Co., Ltd., Haiyan tube Manufacturing Co., Ltd. Jiaozuo City roads lead to hydraulic attachments. The main drafters of this standard. Zhou Shunhua, Gengzhi school, Li Weirong, Tao Zhongming, Zuo Jun, Ruanhao Feng, Zhou Jianfei, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:

- GB/T 5642.1-1985, GB/T 5642.2-1985. Flared type tube fittings

1 Scope

China's national standard for the weld-type male flared coupling. Here the fitting body is welded directly to a vessel, a manifold or a heavy-wall component instead of being screwed into a threaded port, and the tube then connects to it in the ordinary way with a flare and

nut. The reason to weld is that a threaded port is a hole through a pressure boundary with a stress concentration around it and a seal that depends on assembly, while a welded boss is continuous with the parent metal - so where the pressure is high, the wall is thick, or the joint must never be disturbed, welding is the sounder attachment. It also suits components too thin or too hard to tap. What the standard has to fix is the geometry of the weld end as well as the flare end, since the fitting has to be weldable in place without distorting the sealing cone. 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 fittings and welded 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 joints shall conform to the dimensions of the body 1, the provisions of Figure 2 and Table 1, the connector body size should be consistent with the flared end GB/T 5652 regulations.

4 Mark

4.1 labeling method Flared type marking method welded pipe joints and the joint body shall comply with GB/T 5653's.

4.2 tag example Flared type A, the pipe diameter of 10mm, surface oxidation treatment of welded steel flared fittings marked. Fittings GB/T 5642 A10 ·

0 Flared type A, the pipe diameter of 10mm, steel welded joint flared surface oxidation is

marked. Joint body GB/T 5642 A10 · 0

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.

chinastandards.org · PREVIEW