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

GB/T 5649-2008

Flared couplings - Lock nut and lockup washer

管接头用锁紧螺母和垫圈

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Foreword

This standard is GB/T 5649-1985 "flared fittings locknut" revision, respectively, instead of the GB/T 5649-1985 "Flared fittings lock nut", GB/T 5652-1985 "flared fittings lock nut washer" two standards. This standard and GB/T 5649-1985, GB/T 5652-1985 compared to the main changes are as follows:

- The two standard content integration;
- Modified Chinese and English name;
- Modify the structure and size of the lock nut, and adjust the relative size of the gasket;
- Reducing the parameters should be part of the manufacturer's control;
- 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 5649-1985 and GB/T 5652-1985. 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. 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., high-Bo Haiyan Pipe Co., Ltd., Haiyan tube Manufacturing Co., Hydraulic annex Ltd. Jiaozuo City lead. The main drafters of this standard. Li Weirong, Gengzhi school, Zhou Shunhua, Li Junying, Tao Zhongming, Zuo Jun, Ruanhao Feng, Zhou Jianfei, Wang Limin, Feng Feng. This standard replaces the standards previously issued as follows:
- GB/T 5649-1985, GB/T 5652-1985. Fittings with nut and washer

1 Scope

China's national standard for the lock nut and lock washer used with adjustable tube

couplings. These two small parts are what make an adjustable fitting possible. An adjustable elbow or tee is screwed into its port on a straight thread, turned to point where the tube must go, and then held there - and it is the lock nut, drawn down onto the washer against the face of the boss, that both holds the orientation and makes the seal. The washer is what does the sealing work, since it is the compressed element between the nut and the machined face, and it also protects that face from being scored as the nut turns. The joint therefore seals on a face rather than on a thread, which is why it can be clocked to any angle without compromise. The standard specifies the dimensions, marking and technical requirements of the lock nut and washer, and applies to the connection of bite-type and flared adjustable couplings.

This standard specifies the pipe joint, nut and washer dimensions, marking and technical requirements. This standard applies to card sets or flared adjustable fittings to connect.

1.5 And specifications for the M20 x

1.5 thread pipe joint with the locking nut supporting the use of non-surface-treated steel pipe fittings with lock washers Mark as. Washer GB/T 5649 M20 x 1.5

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

Fittings with locknut size shall comply with Figure 1 and Table 1, the pipe joint with the locking washer dimensions shall comply with Figure 2 and Table

4 Mark

4.1 labeling method Fittings with nut and washer marking methods shall comply with GB/T 5653's.

4.2 tag example Thread size is M20 x 1.5, galvanized steel pipe joint surface marked with a lock nut. Nut GB/T 5649 M20 x

5 Technical requirements

Technical requirements according to GB/T 5653 regulations.