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

GB/T 34032-2017

**Ships and marine technology -- Gasketed mechanical
couplings and its fittings for use in piping systems --
Performance specification**

船舶与海上技术 管路系统衬垫密封机械接头及其附件 性能规范

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafted Law Reference ISO 15837:2004 "Ship and marine piping technology PADM mechanical connections can regulate "and ISO 15838:2003" Ships and marine technology plumbing mechanical plumbing accessories annex performance specifications "prepared, the degree of agreement with ISO 15837:2004 and ISO 15838:2003 is not equivalent.

This standard proposed by China State Shipbuilding Corporation.

This standard by the National Marine Machinery Standardization Technical Committee Annex Technical Committee (SAC/TC137/SC3) centralized.

1 Scope

This standard specifies the classification, appearance, testing, verification and re-inspection, verification test and complex of pipe system gasket sealing mechanical fittings and accessories the number of inspection, sample preparation and installation, test

methods, inspection, product marking, packaging.

This standard applies to piping system gasket seal mechanical fittings and accessories design, manufacture and acceptance.

2 Terms and definitions

The following terms and definitions apply to this document.

Gasket sealed mechanical joints gasketedmechanicalcoupling Means for connecting pipes and tubes, pipes and fittings or accessories and accessories and sealing joints with elastomers (seals).

NOTE Connectors may or may not provide mechanical restraints for pipes or attachments.

Slotted straight pipe end of the mechanical joint groovedmechanicalcoupling Contains two or more housings, fasteners (such as bolts, nuts, or pins) and compression seals.

Note: For mechanical connection and sealing slotted straight pipe ends or accessories, constitute a connection. see picture 1.

Figure 1 I type connector typical structure

Straight pipe ends mechanical joints plain-endmechanicalcoupling Liner sealing mechanism for connecting straight tube ends.

2.3.1

Type II Class 1 and Class 2 connectors typellclasses1and2 Contains seals, housings, sleeves, end rings, threaded fasteners, pipe with clamps or attachments, and seals.

NOTE These devices are used to seal or contain straight pipe ends or attachments. See Figure 2 and Figure 3.