BS ISO 8483:2019

BSI Standards Publication

Glass-reinforced thermosetting plastics (GRP) pipes and fittings — Test methods to prove the design of bolted flange joints

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National foreword

This British Standard is the UK implementation of ISO 8483:2019.

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Foreword

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 6, *Reinforced plastics pipes and fittings for all applications*.

This second edition cancels and replaces the first edition (ISO 8483:2003), which has been technically revised. It also incorporates the Amendment ISO 8483:2003/Amd1:2012. The main changes compared to the previous edition are as follows:

— changed the Scope to mention that the test procedure is a destructive test and that the bending test is limited up to DN 600;

— changed the Scope to cover the proof of structural design of bolted flange joints;

— the Terms and definitions clause was added to this document;

— changed testing sequences from mandatory to recommended;

— modified test sequence for the proof of the design (Clause 9);

— changes in Table 1 with modified testing sequences for the proof of the design of joints;

— modification of bending test sequence;

— addition of an alternative bending test (Method B).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

In a pipework system, pipes and fittings of different nominal pressures and nominal stiffness may be used. A joint may be made between pipes and/or fittings and should be designed such that its performance is equal to or better than the requirements of the pipeline, but not necessarily of the components being joined.

The requirements for the assembly of the joint are not included in this document, but they should be in accordance with the manufacturer's recommendations.

The material-dependent parameters and/or performance requirements are stated in the referring standard.

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