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

*Tubes et raccords en plastiques thermodurcissables renforcés de
verre (PRV) — Méthodes d'essai pour confirmer la conception des
assemblages à brides boulonnées*

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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).

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