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# Technical Rule – Standard **DVGW GW 350 (A)** June 2015

**Welding Joints of Steel Pipelines for Gas and Water Supply;  
Manufacturing, Testing and Evaluation**

Schweißverbindungen an Rohrleitungen aus Stahl in der Gas- und  
Wasserversorgung; Herstellung, Prüfung und Bewertung

GAS

WATER

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# Welding Joints of Steel Pipelines for Gas and Water Supply; Manufacturing, Testing and Evaluation

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## **Foreword**

A revision of DVGW Standard GW 350 became necessary as the underlying standard DIN EN 12732 "Gas infrastructure - Welding steel pipework - Functional requirements" was newly published in July 2013. At the same time, DIN EN 287-1 "Qualification Testing of Welders – Fusion Welding; Part 1: Steels" was replaced by DIN EN ISO 9606-1 in December 2013.

In this context, the Technical Committee "Materials and Welding Technology", in close cooperation with representatives of the Pipeline Construction Association, also fundamentally revised the content structure of the worksheet. This now offers an improved overview for users and leads to simplified handling.

The quality requirement levels A and B were combined. The notes on the processing of stainless steels were also incorporated into the standard. Due to a more stringent European standard DIN EN 12732, the scope of testing of circumferential welds on pipes of quality requirement level D was increased. With regard to non-destructive testing methods, the methods time-of-flight diffraction (TOFD) and automated ultrasonic testing (AUT) were included in the standard.

As a result of the further editorial adjustments, the updating of the normative references and some new requirements, the standard describes the state of the art.

This standard replaces DVGW Standard GW 350:2006-10.

## **Amendments**

Compared to DVGW Standard GW 350:2006-10, the following amendments were made:

- a) new allocation of the quality requirement levels
- b) incorporation of requirements regarding the processing of stainless steels
- c) incorporation of new test methods
- d) restructuring of contents
- e) amendment of definition of terms
- f) update of normative references
- g) editorial adjustments

**Earlier editions**

DVGW GW 350:2002-03

DVGW GW 350:2006-10