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Gas welding equipment — Quick-action couplings with shut-off valves for welding, cutting and allied processes

Matériel de soudage aux gaz — Raccords rapides à obturation pour soudage, coupage et techniques connexes

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Foreword

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 8, *Equipment for gas welding, cutting and allied processes.*

This fourth edition cancels and replaces the third edition (ISO 7289:2010), which has been technically revised. The main changes compared to the previous edition are as follows:

a) normative references have been updated;

b) Subclause 6.2 has been updated;

c) in 6.5, requirements for coated material have been added;

d) in 8.1, accuracy of pressure and flow measurement have been added;

e) old Subclause 8.3 has been updated and incorporated in 9.1;

f) Subclause 9.4 has been updated;

g) Clause 10 has been updated.

Any feedback, question or request for official interpretation related to any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 8 via your national standards body. A complete listing of these bodies can be found at www.iso.org/members.html. Official interpretations, where they exist, are available from this page: https://committee.iso.org/sites/tc44/home/interpretation.html.

This corrected version of ISO 7289:2018 incorporates the following correction:

— representation of the dimension of diameter *B* in Figure 1 has been corrected to keep the full interchangeability and standard dimensions in line with the previous edition (ISO 7289:2010).

Introduction

Quick-action couplings with shut-off valves are used in equipment for gas welding, cutting and allied processes to connect the hoses used between the regulator and the torch, either to one another or to the regulators and the torches themselves.

These couplings are fitted with shut-off devices that interrupt the gas flow when the two elements are disconnected, so that coupling and uncoupling operations can be performed manually while the equipment is under pressure.