
**Plastics piping systems for the supply
of gaseous fuels — Unplasticized
polyamide (PA-U) piping systems
with fusion jointing and mechanical
jointing —**

**Part 3:
Fittings**

*Systèmes de canalisations en matières plastiques pour la distribution
de combustibles gazeux — Systèmes de canalisations en polyamide
non plastifié (PA-U) avec assemblages par soudage et assemblages
mécaniques —*

Partie 3: Raccords 2020

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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 4, *Plastics pipes and fittings for the supply of gaseous fuels*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).²⁰

This second edition cancels and replaces the first edition (ISO 16486-3:2012), which has been technically revised. It also incorporates ISO 16486-3:2012/Amd 1:2014.

The main changes compared to the previous edition are as follows:

- In subclause [5.7](#), text concerning the exceptional use of flange adaptors is added;
- In [Table 1](#), electro fusion socket length has been revised and the diameter range extended;
- [Tables 1](#) and [3](#) are extended with nominal outside diameters up to and including 630 mm;
- [Tables 3](#) to [5](#) have been reordered;
- An editorial mistake of 6 hours has been changed to 16 hours for conditioning before hydrostatic strength testing in [Table 4](#) and before internal pressure testing in [Table 5](#);
- A NOTE to [Table 6](#) and a footnote in [Table 7](#) have been added to explain the limited use of MVR;
- For transition fittings, the reference to ISO 17885 has been introduced;
- For Fusion system recognition, reference is made to ISO 13950 and ISO 12176-4 and ISO 12176-5¹⁾;
- The title of [Clause 12](#) has changed from "Packaging" to "Delivery conditions".

A list of all parts in the ISO 16486 series can also be found on the ISO website.

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