

# INTERNATIONAL STANDARD

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**AMENDMENT 1**  
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## Gas cylinders — Seamless aluminium- alloy gas cylinders — Periodic inspection and testing

### AMENDMENT 1

*Bouteilles à gaz — Bouteilles à gaz sans soudure en alliage  
d'aluminium — Contrôles et essais périodiques*

*AMENDEMENT 1*



Reference number  
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Amendment 1 to ISO 10461:2005 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 4, *Operational requirements for gas cylinders*.

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# Gas cylinders — Seamless aluminium-alloy gas cylinders — Periodic inspection and testing

## AMENDMENT 1

*Page 15, 14.2.2, Painting and coating*

Replace all text in the fourth paragraph with the following:

“For cylinders manufactured from heat-treated alloys with ageing, the following applies.

a) Below 150 °C:

No further precautions are required.

b) From 150 °C to 175 °C:

- 1) If a manufacturer's recommendations (supported by time and temperature data) have been followed, and a controlled application of heat is used, e.g. in the curing of coatings, the cylinder need not be tested.
- 2) If a manufacturer's recommendations have not been followed for a controlled application of heat, the cylinder requires mandatory testing. The cylinder shall pass the hydraulic pressure test after the application of heat. A sort test, e.g. hardness test, may be used before proceeding to a hydraulic test. The hydraulic test need not be performed if the sort test results in a failure, but in this case the cylinder shall be rendered unserviceable.

c) Above 175 °C:

In no case shall the cylinder be subjected to temperatures above 175 °C. If the cylinder is inadvertently subjected to a temperature in excess of 175 °C, the cylinder shall be rendered unserviceable unless it is requalified by passing the volumetric expansion test (see 11.3).”

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