

SLOVENSKI STANDARD
SIST EN ISO 18119:2019/oprA1:2020
01-julij-2020

Plinske jeklenke - Nevarjene plinske jeklenke in velike jeklenke iz jekla in aluminijevih zlitin - Periodični pregled in preskušanje - Dopolnilo A1 (ISO 18119:2018/DAMd 1)

Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 1 (ISO 18119:2018/DAMd 1)

Gasflaschen - Nahtlose Gasflaschen und Großflaschen aus Stahl und Aluminiumlegierungen - Wiederkehrende Inspektion und Prüfung (ISO 18119:2018/DAMd 1)

Bouteilles à gaz - Bouteilles et tubes à gaz en acier et en alliages d'aluminium, sans soudure - Contrôles et essais périodiques - Amendement 1 (ISO 18119:2018/DAMd 1)

Ta slovenski standard je istoveten z: EN ISO 18119:2018/prA1

ICS:

23.020.35	Plinske jeklenke	Gas cylinders
77.150.10	Aluminijski izdelki	Aluminium products

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DRAFT AMENDMENT

ISO 18119:2018/DAM 1

ISO/TC 58/SC 4

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Gas cylinders — Seamless steel and seamless aluminium-alloy gas cylinders and tubes — Periodic inspection and testing

AMENDMENT 1

Bouteilles à gaz — Bouteilles et tubes à gaz en acier et en alliages d'aluminium, sans soudure — Contrôles et essais périodiques

AMENDEMENT 1

ICS: 23.020.35

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This document 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 steel and seamless aluminium-alloy gas cylinders and tubes — Periodic inspection and testing

AMENDMENT 1

8.1

Replace the 2nd paragraph with the following:

Particular attention shall be given to cylinders containing flammable, oxidizing, corrosive or toxic gases to eliminate risks at the internal inspection stage. See Annex C for a list of gases that are corrosive to steel cylinder material.

Table A.1

Replace footnote f) with the following:

Corrosiveness is with reference to human tissue (see ISO 13338) and NOT cylinder material (e.g. as indicated in Annex C for steel).

B.1

Replace the 4th paragraph with the following:

If the defect size is such that it has reached limits of depth or extent, the remaining wall thickness shall be checked with an ultrasonic device. The wall thickness may be less than the minimum guaranteed wall thickness, when authorized by the competent authority taking into consideration the severity of the defect and safety factors. ISO/TR 22694, and [Figures B.6](#) and [B.7](#) may be used for guidance to evaluate the acceptable size of the defect. When the flaw depth ratio (a/t) is less than or equal to 5 %, the flaw length may be extended for the parallel length of the cylinder.

Table B.3

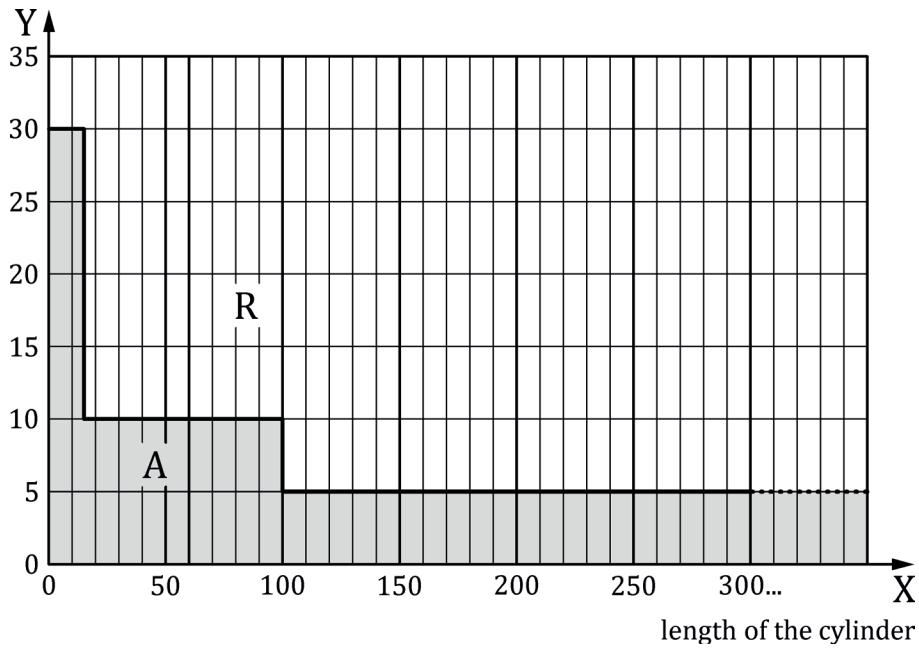
In the column "Linear flaws", for "seamless steel cylinders", add a second paragraph "Depth less than or equal to 0,05 tm whatever the length (see Figure B.6)"

In the column "Linear flaws", for "seamless aluminium-alloy cylinders", add a second paragraph "Depth less than or equal to 0,05 tm whatever the length (see Figure B.7)"

Figure B.6

Replace Figure B.6 with the following:

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**Key**

X flaw length, in mm

R reject

Y flaw depth ratio (a/t), in percent

A accept

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SOURCE: ISO/TR 22694:2008, Figure 19 (modified).

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Figure B.6 — Maximum allowable imperfection sizes for seamless steel cylinders of various compositions

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Figure B.7

Replace Figure B.7 with the following: