

ISO/TS 15453:2017-04 (E)

Gas cylinders - Seamless steel and aluminium-alloy gas cylinders - Evaluation of existing gas cylinders and consideration of their safe use in other jurisdictions

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	2
5	Requirements	3
5.1	Inspection body	3
5.2	Information to be provided	3
5.2.1	General	3
5.2.2	Basic information	3
5.2.3	Additional information	3
5.3	Verification of the information provided	3
5.4	Cylinders subject to restriction on use	4
5.5	Compatibility with intended gas service	4
5.6	Specific requirements for seamless steel cylinders used in carbon monoxide service	4
5.7	Toxic gas service	4
5.8	Manufacturing certificate or equivalent	4
6	Acceptance by the inspector	4
6.1	General	4
6.1.1	Acceptance by documentary evidence	4
6.1.2	Alternative acceptance	5
6.1.3	Periodic inspection requirements	6
6.2	Final verification	6
7	Marks	6
8	Inspection report/certificate	6
Annex A (informative)	Calculating minimum wall and base thicknesses using the mean diameter formula	7
Annex B (informative)	Correlation between tensile strength and hardness	8
Bibliography		9