

# ISO 9809-3:2000-12 (E)

## Gas cylinders - Refillable seamless steel gas cylinders; Design, construction and testing - Part 3: Normalized steel cylinders

---

<b>Contents</b>	<b>Page</b>
Foreword .....	iv
Introduction .....	v
1 <b>Scope</b> .....	1
2 <b>Normative references</b> .....	1
3 <b>Terms and definitions</b> .....	2
4 <b>Symbols</b> .....	3
5 <b>Inspection and testing</b> .....	4
6 <b>Materials</b> .....	4
7 <b>Design</b> .....	6
8 <b>Construction and workmanship</b> .....	10
9 <b>Type approval procedure</b> .....	11
10 <b>Batch tests</b> .....	15
11 <b>Tests on every cylinder</b> .....	22
12 <b>Certification</b> .....	23
13 <b>Marking</b> .....	23
<b>Annex A (informative) Description, evaluation of manufacturing defects and conditions for rejection of seamless steel gas cylinders at time of final visual inspection by the manufacturer</b> .....	<b>24</b>
<b>Annex B (normative) Ultrasonic inspection</b> .....	<b>30</b>
<b>Annex C (informative) Type approval certificate</b> .....	<b>34</b>
<b>Annex D (informative) Acceptance certificate</b> .....	<b>35</b>
<b>Bibliography</b> .....	<b>37</b>