ISO 13583-1:2015-09 (E)

Centrifugally cast steel and alloy products - Part 1: General testing and tolerances

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Materials 3

5 Supply 3

6 Mechanical tests 3

7 Surfacefinishrequirements 4

8 Minimum sound wall (MSW) thickness and soundness 4

9 Dimensional and shape tolerances 4
9.1 General 4
9.2 Length 4
9.3 Straightness 4
9.4 Outside and inside diameters 5

10 Inspection procedures and standards of acceptance 6

11 Production welding 6

12 Supplementaryrequirements 6
12.1 General 6
12.2 Pressure test 7
12.3 Elevated temperature test 7
12.4 Acid etch ring test 7
12.5 Magnetic particle test 7
12.6 Ferrite determination 7
12.7 Corrosion testing 7
12.8 Eddy current testing 7
12.9 Radiography 7
12.10 Ultrasonic testing 7