ISO 8535-1:2011-12 (E)

Diesel engines - Steel tubes for high-pressure fuel injection pipes - Part 1: Requirements for seamless cold-drawn single-wall tubes

Contents

Page

Foreword v

1 Scope 1

2 Normative references 1

3 Dimensions and tolerances 1
3.1 Diameters 1
3.2 Length 2

4 Material processing 2
4.1 Steel manufacturing process 2
4.2 Manufacturing of tubes 2
4.3 Surface quality 4
4.4 Surfacefinish 4
4.5 Minimum mechanical properties of tubes 5
4.6 Cleanliness 5
4.7 Straightness 5
4.8 Corrosion resistance 5

5 Testing 5
5.1 General 5
5.2 Scope of tests 5
5.3 Dimension tests 5
5.4 Mechanical-property tests 6
5.5 Bending test 6
5.6 Cold upsetting of tubes 6
5.7 Surface quality test 6
5.8 Inside pressure test 6
5.9 Retesting 6
5.10 Testcertificate 7

6 Designation 7

7 Identificationandmarking 8

8 Packing 8

Annex A (informative) Theoretical maximum pressure for inside pressure testing 9

Bibliography 10