

ISO 8535-1:2016-11 (E)

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

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Dimensions and tolerances	1
4.1	Diameters	1
4.2	Length	2
5	Material processing	2
5.1	Steel manufacturing process	2
5.2	Manufacturing of tubes	2
5.3	Surface quality	4
5.3.1	General	4
5.3.2	Minimum quality inside surface (bore grade S)	4
5.3.3	Higher quality inside surface (bore grades O, P, Q, R)	4
5.4	Surface finish	4
5.5	Minimum mechanical properties of tubes	5
5.6	Cleanliness	5
5.7	Straightness	5
5.8	Corrosion resistance	5
6	Testing	5
6.1	General	5
6.2	Scope of tests	5
6.3	Dimension tests	6
6.4	Mechanical-property tests	6
6.5	Bending test	6
6.6	Cold upsetting of tubes	6
6.7	Surface quality test	6
6.8	Inside pressure test	6
6.9	Retesting	6
6.10	Test certificate	7
7	Designation	7
8	Identification and marking	8
9	Packing	8
Annex A (informative) Theoretical maximum pressure for inside pressure testing		9
Bibliography		10