

DIN EN 10216-5:2014-03 (E)

Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Symbols	6
5	Classification and designation	7
5.1	Classification	7
5.2	Designation	7
6	Information to be supplied by the purchaser	7
6.1	Mandatory information	7
6.2	Options	7
6.3	Examples of an order	8
7	Manufacturing process	9
7.1	Steelmaking process	9
7.2	Tube manufacture and delivery conditions	9
8	Requirements	10
8.1	General	10
8.2	Chemical composition	10
8.3	Mechanical properties	16
8.4	Corrosion resistance	25
8.5	Appearance and soundness	25
8.6	Straightness	26
8.7	Preparation of ends	26
8.8	Dimensions, masses and tolerances	27
9	Inspection	28
9.1	Type of inspection	28
9.2	Inspection documents	28
9.3	Summary of inspection and verification testing	29
10	Sampling	29
10.1	Test unit	29
10.2	Preparation of samples and test pieces	31
11	Verification test methods	32
11.1	Chemical analysis	32
11.2	Tensile test	32
11.3	Technological tests	33
11.4	Impact test	34
11.5	Intergranular corrosion test	35
11.6	Leak tightness test	35
11.7	Dimensional inspection	36
11.8	Visual examination	36

11.9	Non-destructive testing	36
11.10	Material identification	36
11.11	Retests, sorting and reprocessing	36
12	Marking	36
12.1	Marking to be applied	36
12.2	Additional marking	37
13	Handling and packaging	37
Annex A (informative)	Reference data of strength values for creep rupture of austenitic steels in the solution annealed condition	38
Annex B (informative)	Technical changes from the previous edition	44
Annex ZA (informative)	Clauses of this part of EN 10216 addressing essential safety requirements of the EU Directive 97/23/EC	45
Bibliography		46