

DIN EN 10305-6:2016-08 (E)

Steel tubes for precision applications - Technical delivery conditions - Part 6: Welded cold drawn tubes for hydraulic and pneumatic power systems

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Symbols	6
5	Classification and designation	6
5.1	Classification	6
5.2	Designation	6
6	Information to be supplied by the purchaser	6
6.1	Mandatory information	6
6.2	Options	6
6.3	Example of an order	7
7	Manufacturing process	7
7.1	Steelmaking process	7
7.2	Tube manufacture and delivery conditions	7
8	Requirements	8
8.1	General	8
8.2	Chemical composition	8
8.3	Mechanical properties	9
8.4	Appearance and soundness	9
8.5	Dimensions and tolerances	10
9	Inspection	14
9.1	Type of inspection	14
9.2	Inspection documents	14
9.3	Summary of inspection and testing	15
10	Sampling	15
10.1	Test unit	15
10.2	Preparation of samples and test pieces	16
11	Test methods	16
11.1	Tensile test	16
11.2	Drift expanding test	16
11.3	Dimensional inspection	17
11.4	Roughness measurement	17
11.5	Visual examination	17
11.6	Non-destructive testing	17
11.7	Retests, sorting and reprocessing	18
12	Marking	18
13	Protection and packaging	18

13.1	Protection	18
13.2	Packaging	18
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive 2014/68/EU aimed to be covered		19
Bibliography		20