

DIN EN 12516-4:2015-01 (E)

Industrial valves - Shell design strength - Part 4: Calculation method for valve shells manufactured in metallic materials other than steel

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Symbols and units	5
4	Interrelation of thickness definitions	5
5	Requirements	5
5.1	General	5
5.2	Materials -- Cast iron	5
5.2.1	Allowable grades	5
5.2.2	Strength values	6
5.2.3	Pressure/temperature ratings for cast iron	8
5.2.4	Welding	8
5.3	Materials -- Wrought copper alloys	8
5.3.1	General	8
5.3.2	Strength values	10
5.3.3	Pressure/temperature ratings for wrought copper alloy	13
5.4	Materials -- Wrought aluminium alloys	13
5.4.1	General	13
5.4.2	Strength values	13
5.4.3	Pressure/temperature ratings for wrought aluminium alloys	19
5.5	Allowable stresses	19
5.5.1	Aluminium and aluminium alloys - wrought materials	19
5.5.2	Materials other than aluminium	19
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 97/23/EC (PED)		20
Bibliography		21