

ISO 13703-2:2023-10 (E)

Oil and gas industries including lower carbon energy - Piping systems on offshore platforms and onshore plants - Part 2: Materials

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	2
3 Terms and definitions	8
4 Abbreviated terms	9
5 Material and element datasheets	11
5.1 General.....	11
5.2 Numbering system.....	12
5.3 Deviations to ASME B31.3.....	12
5.4 High pressure systems according to ASME B31.3.....	13
5.5 Parts designed to ASME BPVC VIII Div. 2.....	13
5.6 Qualification of manufacturers to ISO 17782 or Norsok M-650.....	13
5.7 Machining of valves or valve parts from bar.....	14
5.8 NDT of piping and valves.....	14
5.9 Pilot castings.....	14
5.9.1 General.....	14
5.9.2 Material qualification ranges for pilot castings.....	14
5.9.3 NDT of pilot castings.....	15
5.10 Ferritic-austenitic stainless steels.....	15
5.11 Mechanical testing.....	15
Annex A (normative) Material datasheets	16
Annex B (normative) Element datasheets	286
Annex C (informative) Guidance to European Pressure Equipment Directive	297
Annex D (informative) Table of corresponding product standards	298
Bibliography	310