

DIN EN ISO 13626:2005-09 (E)

Petroleum and natural gas industries - Drilling and production equipment - Drilling and well-servicing structures (ISO 13626:2003); English version EN ISO 13626:2004

Contents

Page

Foreword	4
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	6
4 Product specification levels.....	8
5 Marking and information	8
5.1 Nameplate	8
5.2 Derrick and mast nameplate information	8
5.3 Substructure nameplate information	9
5.4 Crown block assembly nameplate information (required only for crown block assemblies for use with derricks).....	10
6 Standard ratings.....	10
6.1 General	10
6.2 Derrick — Stationary base	10
6.3 Mast with guy lines	10
6.4 Mast without guy lines.....	11
6.5 Derrick and mast under dynamic conditions.....	11
6.6 Substructure	11
6.7 Substructure under dynamic conditions.....	11
6.8 Crown block assembly	12
7 Design loading	12
7.1 General	12
7.2 Derrick (stationary base)	12
7.3 Mast with guy lines	13
7.4 Mast without guy lines.....	14
7.5 Derrick and mast under dynamic conditions.....	14
7.6 Substructure	15
7.7 Substructure under dynamic conditions.....	15
7.8 Guide tracks and dollies.....	15
7.9 Crown block assemblies	15
8 Design specification	15
8.1 Allowable stresses	15
8.2 Wind.....	16
8.3 Dynamic loading (induced by floating hull motion)	19
8.4 Earthquake.....	20
8.5 Design verification	20
9 Materials.....	20
9.1 General	20
9.2 Written specifications	21
9.3 Mechanical properties	21
9.4 Material qualification	21
9.5 Material manufacture	21
9.6 Bolts	21
9.7 Wire rope.....	21
10 Welding requirements	22
10.1 General.....	22

10.2	Welding qualifications	22
10.3	Written documentation	22
10.4	Control of consumables	22
10.5	Weld properties	22
10.6	Post-weld heat treatment.....	22
10.7	Quality control requirements	22
10.8	Specific requirement — repair welds	23
11	Quality control	23
11.1	General	23
11.2	Quality control personnel qualifications	23
11.3	Measuring and test equipment	23
11.4	Non-destructive examination	24
11.5	Dimensional verification.....	25
11.6	Workmanship and finishing	25
11.7	Purchaser's inspection and rejection	25
11.8	Testing.....	26
11.9	Traceability.....	26
12	Documentation	27
12.1	General	27
12.2	Documentation to be kept by the manufacturer	27
12.3	Documentation to be delivered with equipment	28
Annex A (normative) Supplementary requirements.....		29
Annex B (normative) Standard derricks		31
Bibliography.....		35