

Specification for Marine Drilling Riser Equipment

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Contents

	Page
1 Scope	1
2 Normative References	1
3 Terms, Definitions, and Abbreviations	4
3.1 Terms and Definitions	4
3.2 Abbreviations and Symbols	12
4 Design	14
4.1 General	14
4.2 Service Classifications	14
4.3 Size and Coupling Model	14
4.4 Rated Load	14
4.5 Pressure Ratings	16
4.6 Temperature Criteria	16
4.7 Design of Structures and Lifting Attachments	16
4.8 Design Documentation	16
5 Materials and Welding Requirements	17
5.1 General	17
5.2 Materials Selection	17
5.3 Written Specifications	17
5.4 Metallic Materials	18
5.5 Material Applications	21
5.6 Qualification Test Coupons (QTCs)	22
5.7 Welding	23
5.8 Metallic Coatings	25
6 Quality Control Requirements	26
6.1 General	26
6.2 Measuring and Testing Equipment	27
6.3 Quality Control Personnel Qualifications	27
6.4 Quality Control Requirements for Equipment and Parts	28
6.5 NDE of Fabrication and Repair of Weldments	30
6.6 Equipment Traceability	32
6.7 Requirements for Quality Control Records	32
6.8 Manufacturing Data Book	33
7 Riser Tension Equipment	33
7.1 General	33
7.2 Pressure	34
7.3 Service Ratings	34
7.4 Tension and Pressure vs Stroke	36
7.5 Design Standards	37
7.6 Operational Controls	38
7.7 Temperature Considerations	38
7.8 Fluids	38
7.9 Rod Materials and Coatings	39
7.10 Failure Control Provisions	39
7.11 Marking	39
7.12 Materials	39
7.13 Quality Control	39

Contents

	Page
8 Flex/Ball Joints.....	39
8.1 Service Classification.....	39
8.2 Design.....	40
8.3 Materials.....	41
8.4 Dimensions.....	41
8.5 Testing.....	41
8.6 Marking.....	41
9 Choke, Kill, and Auxiliary Lines.....	42
9.1 Design-Choke, Kill, and Auxiliary Lines.....	42
9.2 Testing of Choke, Kill, and Auxiliary Lines.....	42
9.3 Materials—Choke, Kill, and Auxiliary Lines.....	44
9.4 Welding and Quality Process Control-Choke, Kill, and Auxiliary Lines.....	44
10 Drape Hoses and Jumper Lines.....	44
10.1 Service Classification.....	44
10.2 Design.....	44
10.3 Process Control.....	45
10.4 Quality Control.....	45
11 Telescopic Joint (Slip Joint).....	45
11.1 Service Classification.....	45
11.2 Design.....	46
11.3 Testing.....	46
11.4 Materials.....	47
11.5 Quality Control.....	47
11.6 Dimensions.....	48
11.7 Process Control.....	48
11.8 Marking.....	48
12 Riser Joints.....	48
12.1 Service Classification.....	48
12.2 Design.....	48
12.3 SAF/SLR.....	49
12.4 Pressure Ratings.....	49
12.5 Drift Testing.....	50
12.6 Materials and Welding.....	50
12.7 Dimensions.....	50
12.8 Process Control.....	50
12.9 Quality Control.....	50
12.10 Marking.....	50
13 Borehole Equipment.....	51
13.1 General.....	51
13.2 Synthetic Foam Modules.....	51
14 Riser Running and Handling Equipment.....	57
14.1 General.....	57
14.2 Coverage.....	57
14.3 Design.....	57
14.4 Testing.....	60
14.5 Materials.....	61

Contents

	Page
14.6 Quality Control	62
14.7 Dimensions	62
14.8 Marking	62
15 Tensioner Rings	62
15.1 General	62
15.2 Service Classification	63
15.3 Design	64
15.4 Tension Ring or Hands-free Gooseneck—Secondary Locking	64
15.5 Testing	65
15.6 Materials	66
15.7 Quality Control	66
15.8 Dimensions	66
15.9 Marking	66
16 Riser Coupling	67
16.1 General	67
16.2 Service Classification	67
16.3 Design Loads	68
16.4 Design Analysis	68
16.5 Testing	70
16.6 Material	71
16.7 Welding	72
16.8 Quality Control	72
16.9 Marking	72
17 Special Riser System Components	73
17.1 General	73
17.2 Service Classification	73
17.3 Design	73
17.4 Testing	73
17.5 Quality Control	74
18 Lower Riser Adapter	74
18.1 General	74
18.2 Marking	74
18.3 Quality Control	74
19 Operation and Maintenance Manuals	74
19.1 General	74
19.2 Equipment Description	74
19.3 Functional Description	74
19.4 Instructions for Equipment Usage	74
19.5 Maintenance Instructions	75
19.6 Warnings and Cautions	75
Annex A	76
Annex B (informative) Components of a Marine Drilling Riser System	77
Annex C (normative) Design for Static Loading	82
Annex D (informative) Finite Element Stress Analysis	87
Annex E (informative) Thermal Sprayed Aluminum	88

Contents

	Page
Annex F (normative) Manufacturing Data Book Requirements	93
Annex G (informative) Example Calculations for Tensioners	5
Annex H (informative) Effective Polytropic Constants for Isentropic Compression and Expansion of Air and Nitrogen	99
Annex I (informative) Fatigue Considerations	105
Annex J (informative) Coupling Optional Qualification Tests	108
Bibliography	109
Figures	
1 Rated Tension and MTL to MSP, MCP, and MAWP (for Illustration Only)	35
B.1 Marine Drilling Riser System and Associated Equipment	77
C.1 Stress Distribution Across Section A-A	85
G.1 Tension and Pressure vs Stroke	97
G.2 Typical Wire Rope Tensioning System	98
Tables	
1 Design Temperatures for Various Line Types	16
2 Bolting Requirements	22
3 Inclusion Criteria	30
4 Elongation Properties	62
E.1 Surface Preparation	90
E.2 Sealer Application	91
E.3 TSA Application	92
G.1 Tensioner Example Calculation	95
H.1 Polytropic Constant Table—Air Compressed to 85 % of Initial Volume	99
H.2 Polytropic Constant Table—Air Compressed to 90 % of Initial Volume	99
H.3 Polytropic Constant Table—Air Compressed to 95 % of Initial Volume	100
H.4 Polytropic Constant Table—Air Expanded to 105 % of Initial Volume	100
H.5 Polytropic Constant Table—Air Expanded to 110 % of Initial Volume	101
H.6 Polytropic Constant Table—Air Expanded to 115 % of Initial Volume	101
H.7 Polytropic Constant Table—Nitrogen Compressed to 85 % of Initial Volume	102
H.8 Polytropic Constant Table—Nitrogen Compressed to 90 % of Initial Volume	102
H.9 Polytropic Constant Table—Nitrogen Compressed to 95 % of Initial Volume	103
H.10 Polytropic Constant Table—Nitrogen Expanded to 105 % of Initial Volume	103
H.11 Polytropic Constant Table—Nitrogen Expanded to 110 % of Initial Volume	104
H.12 Polytropic Constant Table—Nitrogen Expanded to 115 % of Initial Volume	104

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Specification for Marine Drilling Riser Equipment

1 Scope

This specification establishes standards of performance and quality for the design, manufacture, and fabrication of marine drilling riser equipment used in conjunction with a subsea blowout preventer (BOP) stack.

This specification provides the requirements for the following major subsystems in the marine drilling riser system:

- riser tensioner equipment;
- flex/ball joints;
- choke, kill, and auxiliary lines;
- drape hoses and jumper lines for flex/ball joints;
- telescopic joint (slip joint) and tensioner ring;
- riser joints;
- buoyancy equipment;
- riser running equipment;
- special riser system components;
- lower riser adapter;
- riser coupling.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document applies (including any addenda/errata).

API Technical Report 5C, *Technical Report on Equations and Calculations for Casing, Tubing, and Line Pipe Used As Casing or Tubing, and Performance Properties Tables for Casing and Tubing*

API Specification 5CT, *Specification for Casing and Tubing*

API Specification 5L, *Specification for Line Pipe*

API Specification 6A, *Specification for Wellhead and Christmas Tree Equipment*

API Standard 6ACRA, *Age-hardened Nickel-based Alloys for Oil and Gas Drilling and Production Equipment*

API Specification 7K, *Drilling and Well Servicing Equipment*