Specification for Drill-through Equipment

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Contents

		Page
1	Scope	1
2	Normative References	4
3 3.1 3.2	Terms, Definitions, Acronyms, and Abbreviations	6
4 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9	Design Requirements Size Designation Service Conditions Equipment-specific Design Requirements Design Methods Design Validation. Documentation Tests for BOP and Hydraulic Connector Operational Characteristics PR1 Operating Manual Requirements. PR2 Operating Manual Requirements Technical Data Sheet.	16 17 19 37 39 41 78
5 5.1 5.2 5.3 5.4	Material Requirements General Written Specifications Pressure-containing parts Pressure-controlling Parts	81 81 82
6 6.1 6.2 6.3 6.4 6.5	Welding Requirements	89 90 94 96
7 7.1 7.2 7.3 7.4 7.5 7.6 7.7	Quality Control Requirements General Measuring and Testing Equipment Quality Control Personnel Qualifications Quality Control Requirements for Equipment and Parts Quality Control Requirements for Specific Equipment and Parts Requirements for Quality Control Records Failure Reporting	. 102 . 102 . 102 . 103 . 103
8 8.1 8.2 8.3 8.4	Marking Requirements	. 118 . 118 . 118
9 9.1 9.2	Storing and Shipping	. 123

Contents

		Page
Ann	nex A (informative) API Monogram Program—Use of the API Monogram by Licensees	125
Ann	nex B (normative) Qualification of Heat-treating Equipment	129
Ann	nex C (informative) Purchasing Guidelines	132
Ann	nex D (normative) Failure Reporting	134
Ann	nex E (normative) Minimum Requirements for Certificate of Conformance (COC)	135
	nex F (normative) Charpy V-notch Impact Test Location for Weld Qualification	
	nex G (informative) Conversion of U.S. Customary Units to the SI System (Metric)	
	liography	
Eiaı	ures	
ı ıgu 1	Simplified Example of Surface Drill-through Equipment	•
2	Simplified Example of Subsea Drill-through Equipment	
3	Type 16B and 16BX Integral Hub Connections	
4	Type 16B and 16BX Blind Hubs	
- 5	Rough Machining of Type SR Ring Grooves	
6	Finish Machining of Type SR Ring Grooves	
7	Clamps for Type 16B and 16BX Hub Connections	
8	Connector Capacity Chart	
9	Equivalent Round Models	
10	Typical Weld Grooves for Pipe Butt Joints	
11	Typical Attachment Welds	
12	Typical Repair Welds	
13	Typical Excavation for Repair Welds	
14	Rockwell Hardness Test Locations	
15	Hardness Test Locations for Weld Overlay	
16	Vickers Hardness Test Locations	
B.1	Thermocouple Locations—Rectangular Furnace (Working Zone)	
B.2		
E.1	Example Certificate of Conformance	
F.1	Location of Charpy V-notch Impact Test	
G.1		
Tabl	les	
1	Equipment Size	17
2	Equipment Rated Working Pressures	
3	Temperature Ratings for Metallic Materials	
4	Temperature Ratings for Nonmetallic Sealing Materials	
5	Pressure Rating and Size Ranges of API 6A Flange Connectors	
6	Bolting Requirement	
7	Pressure Ratings and Size Ranges of Type 16B and 16BX Hubs	
8	Type 16B Integral Hub Connections for 13.8 MPa (2,000 psi) Rated Working Pressure	
9	Type 16B Integral Hub Connections for 20.7 MPa (3,000 psi) Rated Working Pressure	
10	Rough Machining of Type SR Ring Grooves	
11	Finish of Machining of Type SR Ring Grooves	
12	Type 16BX Integral Hub Connections for 34 5 MPa (5 000 nsi) Rated Working Pressure	

Contents

	P	Page
13	Type 16BX Integral Hub Connections for 69.0 MPa (10,000 psi) Rated Working Pressure	29
14	Type 16BX Integral Hub Connections for 103.5 MPa (15,000 psi) Rated Working Pressure	30
15	Type 16BX Integral Hub Connections for 138.0 MPa (20,000 psi) Rated Working Pressure	31
16	Clamps for Type 16B and 16BX Hub Connections	32
17	Ring Gasket Numbers for API 6A/16A Equipment	35
18	Required Tests and Performance Criteria for Ram BOPs	42
19	Test Mandrel Pipe Size(s) for Ram Testing	43
20	Required Tests and Performance Criteria for Fixed Bore Pipe Rams and Blind Rams	
21	Required Tests and Performance Criteria for Variable Bore Pipe Rams	44
22	Required Tests and Performance Criteria for Blind Shear Rams	
23	Shear Pipe Requirements	
24	Required Tests and Performance Criteria for Non-Sealing Shear Rams	46
25	Required Tests and Performance Criteria for Annular BOPs	
26	Test Mandrel Pipe Size(s) for Annular Packers	
27	Required Tests and Performance Criteria for Annular Packers	47
28	Required Tests and Performance Criteria for Hydraulic Connectors	47
29	Material Property Requirements for Metallic Pressure-Containing Parts	
30	Material Applications for Metallic Pressure-Containing Parts	83
31	Steel Composition Limits (% Mass Fraction) for Pressure-containing Parts	
32	Alloying Element Range—Maximum Tolerance Requirements	85
33	Acceptance Criteria for Charpy V-notch Impact Tests	85
34	Adjustment Factors for Sub-size Impact Specimens	86
35	Chemical Composition of the Nickel-based Alloy N06625	101
36	Minimum Hardness Requirements	
37	Weld Inclusion Criteria	108
38	Inclusion Criteria	111
39	Hydrostatic Test Pressures	113
40	Pipe Size Requirements	114
41	Marking Requirements and Location	120
42	Code System for Nonmetallic Sealing Materials	120
43	Elastomer Compound Marking Code	121
44	Product Description Code	121
45	Equipment Type	122
46	API Equipment Size Designation	122
47	Rated Working Pressure	123
48	Temperature Ratings (Metallic Materials)	123
C.1	Manufacturing Data Book (MDB)	133
G.1	Pressure Ratings	143
G.2	Nominal Sizes	144

Specification for Drill-through Equipment

1 Scope

This specification defines the requirements for performance, design, materials, testing and inspection, welding, marking, handling, storing, and shipping of drill-through equipment used for drilling for oil and gas. It also defines service conditions in terms of pressure, temperature, and wellbore fluids for which the equipment is designed.

This specification is applicable to and establishes requirements for the following specific equipment:

- a) ram blowout preventers;
- b) ram blocks, packers, and top seals;
- c) annular blowout preventers;
- d) annular packing units;
- e) hydraulic wellbore connectors (wellhead, riser, or LMRP);
- f) drilling spools and spacer spools;
- g) adapters;
- h) mandrels (for wellbore connectors);
- i) loose connections;
- j) clamps.

Dimensional interchangeability is limited to end and outlet connections.

A simplified example of drill-through equipment defined by this specification is shown in Figures 1 and 2.

Repair and remanufacture of 16A equipment is covered in API 16AR, Standard for Repair and Remanufacturing of Drill-through Equipment.

This specification does not apply to field use or field testing of drill-through equipment.

If a product is supplied bearing the API Monogram and manufactured at a facility licensed by API, the requirements of Annex A apply.