

API Specification

16A

Third Edition, June 2004
Specification for Drill-through Equipment

National Adoption of ISO 13533:2001—Petroleum and natural gas industries—Drilling and production equipment—Drill-through equipment

Annex E

API Monogram[®] Required

☐ Yes ☐ No

Annex E (informative)

Purchasing Guidelines

E.1 General

This annex provides recommended guidelines for enquiry and purchase of equipment covered by the scope of ISO 13533.

E.2 Blowout Preventers and Drilling Spools

E.2.1 Size Designation

The size designation consists of the vertical through-bore dimension. A list of standard sizes is included in Table 1.

E.2.2 Service Conditions

E.2.2.1 Rated Working Pressure

The rated working pressure is determined by the lowest pressure rating of all integral end or outlet connections. Rated working pressures for equipment covered by the scope of ISO 13533 are given in 5.2.1.

E.2.2.2 Temperature Ratings

E.2.2.2.1 General

Minimum temperature is the lowest ambient temperature to which the equipment may be subjected. Maximum temperature is the highest temperature of the fluid that may flow through the equipment.

E.2.2.2.2 Metallic Materials

Metallic parts will be designed to operate in one of three temperature ratings, which should be designated by the purchaser. These ratings can be found in Table 3.

E.2.2.2.3 Wellbore Elastomeric Materials

The purchaser should provide the temperature range for which wellbore elastomeric materials must operate.

E.2.2.2.4 All Other Elastomeric Seals

The purchaser should provide the temperature range for which all other elastomeric materials must operate.

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E.2.3 Outlet Connections

The purchaser should determine the number, location, size, pressure and temperature ratings for all outlet connections. It should be noted that the pressure rating for the BOP or drilling spool is determined by the lowest pressure rating of all end or outlet connections.

E.2.4 Equipment Details/Data Book

A data book should be supplied upon the request of the purchaser, and should contain the following information:

- a) purchase order number/sales order number;
- b) product identification, type, part number, serial number;
- c) date of completion and inspection;
- d) assembly drawings, actual overall package dimensions, pressure rating, end connection/outlet description, mass, centre of gravity, list of materials for components defined in 8.5.1 and the location of their use;
- e) manufacturer's statement of compliance to current edition of ISO 13533;
- f) material certificates;
- g) welding procedure qualification;
- h) NDE reports;
- i) pressure test reports.