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Q1: Does a 6B or 6BX connector with stainless steel overlay in the ring groove conform to 6A 21st edition?

A1: No. Weld overlay for corrosion-resistant ring grooves is limited to 625.

Q2: Is it still permissible to use a stainless steel overlay in the ring groove and mark the connector “SST” (as per 20th edition)?

A2: No. SST weld overlay for ring grooves is outside the scope of the 21st edition.
Q1: If a flange is manufactured and inspected to millimeter dimensions that were converted by the manufacturer from the inch dimensions in 6A, such that it physically conforms to 6A inch criteria, but does not conform to millimeter criteria in 6A, does that flange conform to Spec 6A?

Q2: Does the same answer apply to other equipment with 6A-specified dimensions?
A1: Yes, the flange is in conformance, provided that all the dimensions conform to 6A for one unit of measure; i.e., are not selectively combined. Spec 6A does not specify the units to be used in manufacturing.

A2: Yes, the same answer applies to other equipment with 6A-specified dimensions.
Q: Does a valve with *butt-weld end connections* conform to 6A 21st edition?

A: *No.* A weld preparation does not meet the definition (3.1.28) or the requirements for other end connectors. (e.g., Table 45 – Performance Requirements)
Q: Do the temperature-controlling and temperature-recording instruments used on continuous-type heat-treat furnace have to be calibrated every 3 months?

A: Yes. The requirements of 6.5.3 apply to both batch-type and continuous-type furnaces.
Q: If a pressure gauge is calibrated and put into protected storage, can the calibration interval begin on the later date that it was put in service?

A: *No*. The calibration interval begins on the date of the calibration and includes both storage and usage.
Q: Does the term “nonintegral metal seal” in 10.4.5 refer to an end-connector seal like a ring gasket?

A: That is one application; the term is not limited to seals on OECs (other end connectors). Potential applications of metal or non-metallic nonintegral seals include: (See next slide)
Metal or non-metallic nonintegral seals include:

- Between valve/choke body & bonnet,
- Between choke body & bean/seat,
- Between valve/choke stem & bonnet,
- Between two mating other end connectors,
- Between bores in multiple-bore equipment,
- Between casing hanger & casing OD,
- Between tubing hanger neck & tubing head adapter,
- Between tubing hanger OD & tubing head.
Q: Per 12.8, if the hardness value is documented by serial number in a test certificate, can stamping the value on the part be omitted?

A: Yes. Part 12.8 requires that the hardness value be either “stamped on the part adjacent to the test location or documented by the manufacturer.” The type of document is not specified; it can be other than a “test certificate.”
Q1: Does the hardness testing required by 10.4.2.4 apply to tees and crosses?

A1: Yes. The primary part of a tee or cross is a body as defined in 3.1.8, and the requirements for bodies apply.

Q2: Does a Leeb (rebound-type) hardness tester satisfy 6A requirements?

A1: No. The Leeb test method is covered in ASTM A956, which is not referenced in 6A.
Q: Can a valve bore sealing mechanism have only one seat?

A: Yes. A single seat design is permitted, and can be either unidirectional–sealing or bi-directional sealing.
Q: Does the requirement of F.1.8.2, that valves with RWP ≥ 10 ksi be tested with gas, apply to the 160 dynamic cycles at room temperature of F.2.2.2.2.1?

A: No. The requirements of F.1.7 and F.1.8 apply to hold periods with leakage measurements. For dynamic cycles, it is the responsibility of the manufacturer to select the test media considering test temperature, safety, and representative results.
6A Interpretations

Any Questions?