

- K. Transition fittings used to join the pipe to flanged fittings and pipes made of other materials. All fittings shall be certified by an independent third party as being fully compliant with the class 1 requirement of ISO 14236 or the Type 2 requirement of WIS 4-24-01 i.e. they shall prevent the pull out of the pipe at their rated operational pressure.

20.2.2 Inspection and Testing

20.2.2.1 Certification and Documentation

- A. The raw material and pipe Manufacturer's shall document and certify all products and shall undertake all testing required by ISO 4427 and this specification. Prior to delivery of any pipes or fittings the pipe Manufacturer shall provide the Engineer with a comprehensive Inspection and Testing Plan (ITP) for their approval. The ITP shall detail all the certificates and documents that shall be provided by the pipe Manufacturer, together with details of the testing that they shall undertake, its frequency and associated test reports. Where the pipe Manufacturer cannot themselves undertake the required testing they shall employ an independent third party laboratory to undertake the testing on their behalf.

20.2.2.2 Testing of Pipes and Fittings and Its Frequency

- A. The Manufacturer shall establish and maintain a complete record of test results according to the requirements of the applicable standards, this specification and the approved ITP.