**Note to users: items shown in red indicated edits / selections that need to be made to tailor the specification for the application.**

**Reducing Spool Type Rubber Flex Connector**

Product Specifications

1. Provide spool type reducing rubber flex connectors as indicated on the contract drawings or as needed to compensate for thermal expansion or to eliminate the transmission of vibration and noise through the piping system.
2. Products:
   1. Spool type rubber connector shall be **100 C®** as manufactured by the Metraflex Co. Chicago, IL.
   2. Rubber connector shall be:
      1. Rubber spherical connector cover shall be of Butyl construction.
      2. Rubber spool connector shall be reinforced with Nylon cord with steel bands.
   3. Flanges shall be integral with the body, with ASTM A 36 carbon steel baking rings.
   4. Flanges shall have 150 lb. drilling.
   5. Options.
      1. Control units must be furnished in unanchored applications, or as recommended by the manufacturer.
3. **Execution**.
   1. Rubber joints shall be installed per manufacturer’s instructions and in accordance with FSA's "Technical Handbook: Non-Metallic Expansion Joints and Flexible Pipe Connectors."
   2. When used as expansion joints, spherical rubber joints shall be anchored and guided in accordance with EJMA recommendations.
   3. Refer to catalog data for rubber expansion joints movement capabilities.