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

**Wide Arch Type Rubber Flex Connector**

Product Specifications

1. Provide wide arch rubber 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. Wide Arch type rubber connector shall be 711**®** as manufactured by the Metraflex Co. Chicago, IL.
		1. Wide arch 711 rubber connector shall have flanges integral with the body, with Ductile Iron baking rings.
	2. Wide Arch type rubber connector with integral gusset plates shall be 711 Plus® as manufactured by the Metraflex Co. Chicago, IL.
		1. Wide arch 711 Plus rubber connector shall have flanges integral with the body, with carbon steel baking rings with integral gusset plates and control rods.
	3. Rubber connector shall be:
		1. Rubber spherical connector shall be of EPDM with nylon cord construction.
		2. Rubber spherical connector shall be of Neoprene with Nylon cord construction.
		3. Rubber spherical connector shall be of Butyl with Nylon cord construction.
	4. Options.
		1. Control units must be furnished in unanchored applications, or as recommended by the manufacturer (not required if 711 Plus is specified).
		2. For applications with particulate matter, the wide arch rubber flex connector shall have a filled arch.
3. **Execution**.
	1. Rubber joints shall be installed per manufacturer’s instructions and in accordance to Rubber joints 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.