# (2023Apr GDX.docx)

# **RECOMMENDED ENGINEERING SPECIFICATION FOR GUIDELINE PIPE/TUBE ALIGNMENT GUIDES**

## PART 1 GENERAL

1.01 SECTION INCLUDES

1. Furnish and install pipe / tube alignment guides.
	1. Model GDXP for use with pipe
	2. Model GDXC including dielectric spacer (for use with copper tube)

1.02 MANUFACTURER

A. Provide appropriate model pipe / tube alignment guides as supplied by Flex-Hose Co., or approved equal.

PART 2 PRODUCTS

2.01 Pipe alignment guides

1. The guide(s) must allow movement along the pipe axis while restricting lateral pipe movement; thereby allowing proper operation of the expansion control device.
2. The pipe alignment guide is to consist of:
	1. Two piece spider
	2. Two piece housing
	3. Required hardware to assemble the spiders and the housings.
3. The alignment guide housing and spider is to be constructed of carbon steel (painted for rust protection)
4. The guide design must provide a bolted split-spider clamp/slide and a bolted split-housing with integral base for anchoring the guide by bolting or welding (guides are to be shipped unassembled for field installation).
5. If used on copper tubing piping systems lead dielectric spacer to be provided for use between copper tube and spider
	1. WARRANTY

Pipe alignment guides are to be warrantied for a period of two years when installed in accordance with all specifications and instructions of the manufacturer and compliant with EJMA (Expansion Joint Manufacturers Association) spacing requirements.