

TELESCOPING VALVES MUD VALVES FLAP VALVES SHEAR GATES

SECTION _____

SPLIT BUSHING CAST DUCTILE IRON STEM GUIDES

1.0 GENERAL CONDITIONS

1.1 SCOPE OF WORK

- A. The contractor shall furnish all labor, materials, equipment and incidentals required for installation of stem guides.

1.2 QUALITY ASSURANCE

- A. The manufacturer shall have experience of 10 years manufacturing stem guides. The company must be ISO 9001 certified.

1.3. SUBMITTALS

- A. The manufacturer shall submit drawings showing critical dimensions, general construction, and materials used in the stem guide.

2.0 PRODUCT

2.1 GENERAL DESIGN FOR MODEL STEM GUIDES

- A. The Stem Guide shall be cast Ductile Iron 65-45-12, and coated in two part epoxy for corrosion resistance.
- B. The stem guide shall consist of a guide and bracket assembly. The guide shall be attached to the bracket by a minimum of four bolts to ensure stability.
- C. The guide bushing shall be a split design, allowing the guide bushing to be assembled onto the guide after the valve extension stem is already in place.
- D. The guide bushing shall be made from UHMWPE, stainless steel, or lead free bronze.

- E. Stem guide shall have the capability to adjust from 2” to 35”.
- F. The bracket and guides shall be slotted to allow for adjustment in two directions for proper alignment at installation.
- G. The stem guide shall be machined, assembled, and tested in the USA for quality assurance.
- H. Manufacturer shall show proof of ISO 9001 certification.
- I. Where required, the manufacturer shall provide valve operating stems, floor stands, and operators as specified in the valve schedule or plans.
- J. Stem Guide and accessories shall be manufactured by Troy Valve, Model A25680 or approved equal.