

TELESCOPING VALVES    MUD VALVES    FLAP VALVES    SHEAR GATES

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**SECTION \_\_\_\_\_**

**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 10 years manufacturing stem guides and shall show evidence of satisfactory operation in at least 5 installations. 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 bronze, and bored to the specified dimension. The bushing shall be press fit for strong guidance.
- D. Stem guide shall have the capability to adjust from 2” to 35”.

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