



# **J & S Valve<sup>®</sup>, Inc.** and Manufacturing

## **SPECIFICATION**

### **Resilient Seated Solid Wedge Gate Valve**

Resilient Seated Solid Wedge Gate Valves shall be Non Rising Stem Type (NRS) for Buried Service or Outside Screw and Yoke (OS&Y) for Non-Buried service and shall exceed the AWWA C509 and C515 Standards. The Valve Body, Bonnet, Gland, Handwheel or Nut shall be cast from thick wall patterns resulting in a minimum wall thickness as shown on Page 9 in Section 4.4 Table1 of AWWA C500 and C509 and be constructed of ductile iron ASTM A536 grade 65-45-12. All ferrous surfaces to be fusion bonded epoxy coated, no exposed uncoated metal. The wedge on 2-48" shall be ductile iron, totally EPDM encapsulated and act as a wiper, no snap on plastic stem guides; sizes 54" and larger; the EPDM rubber seat shall be mechanically retained to the disc to create a seal in both directions, at rated pressure in the closed position. The threaded Wedge nut shall be bronze and shall be separate from the Wedge not connected inside the Wedge to allow for easy replacement. The wedge shall be male guided into the body seat of the valve, plastic wedge guiding mechanism not allowed. The valve stem shall be stainless steel with an integral machined stem thrust collar (machined as part of the stem). Shaft seals must be EPDM triple o-rings positively located in the grooves on the shaft not in the gland for NRS valves. The NRS valve must have two thrust washers constructed of copper one above and one below the Thrust collar; steel or non metallic thrust washer are not acceptable. OS&Y Valves must have Non Asbestos Graphite Packing. The valve body and handwheel or nut shall be constructed of Ductile Iron and coated in and out per AWWA C550 with an ANSI/NSF 61 certified coating a minimum of 12 mils thick. All nuts, bolts and washers shall be stainless steel. End connections shall be flange or mechanical joint or push on. Valves 18" and larger shall be equipped with a bevel or spur gear operator. Valve shall be J & S Valve Series 6000 as Manufactured by J&S Valve and Manufacturing, Huffman, Texas, or engineer preapproved equal.

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