

Abstract

The invention provides a non-rising spindle gate valve, comprising a body, a bonnet connected to the body, a stem, a wedge
5 and a shear device, an upper end of said stem being connected to the shear device and a lower end thereof being connected to the wedge, wherein said stem is relatively rotatably supported in said bonnet by rolling bearings. The gate valve uses a shear device to protect inner components of the valve from excessive operation torque. Guides are
10 used to position the wedge in a process of rubber coating so as to ensure uniform thickness of coating. The gate valve has a small operation torque, is sealed reliably, has a long service life, and is easy to assemble.