

Technical Data Sheet Metal-to-Metal Ball Valve sealing system

Coating Designation ATEC 404

Description Nickel-Hardalloy

produced by Flame Spraying and Fusing

Composition Ni Cr Fe Si BC

Hardness 650–750 HV 0,3 (58–62 HRC)

Porosity nearly non porous

Coating Thickness 0,3–0,8 mm

Temperature Limitation max. 500 °C

Bond Strength metallurgical bond to the base material

Mechanical and Excellent resistance to abrasion, particle erosion

Chemical Resistance and fretting. High strength also at elevated temperatures.

Good corrosion resistance.

General Properties As a result of the spray and fuse process the coating is dense

and has very high hardness and bond strength.

The coating can be applied on most stainless, duplex and low carbon steels and to special alloys like hastelloy or inconel. Smooth surface finish is achieved by grinding and lapping or

polishing.