



Armaturenbau und -Technik GmbH

## **Technical Data Sheet**

### **Metal-to-Metal Ball Valve sealing system**

<b>Coating Designation</b>	ATEC 168
<b>Description</b>	Metallic Hardalloy Coating (Tribaloy 800) produced by High Velocity Oxy-Fuel spraying
<b>Composition</b>	Co 28Mo 17Cr 3.5Si
<b>Hardness</b>	550–650 HV <sub>0,3</sub>
<b>Porosity</b>	< 3 %
<b>Coating Thickness</b>	200–250 µm
<b>Temperature Limitation</b>	max. 800 °C
<b>Bond Strength</b>	> 70 MPa (EN 582)
<b>Mechanical and Chemical Resistance</b>	Excellent resistance to abrasion, sliding wear and fretting over a wide temperature range and in corrosive environments. High strength and good oxidation resistance at elevated temperatures. Highly resistant to acids and hot gas corrosion.
<b>General Properties</b>	The coating is applied by the High Velocity Oxy-Fuel spray process and is characterized by high density and bond strength. The coating can be applied on nearly all industrial used metallic materials. Due to the relatively low thermal load during the coating process no impairment or metallurgical transformation of the base material arises. Smooth surface finish is achieved by grinding and lapping or polishing.