

## 5 1/8" - 10,000 Spherical Annular BOP Packing Element

Academy Petroleum Industries 5 1/8" - 10,000 Spherical BOP Packing Element has been designed to our specifications to ensure proper fitment and operation with our 5 1/8" - 10,000 Spherical Blow Out Preventer. Our Packing Element is based on a time tested and field proven design used successfully in the oilfield for many decades. The Packing Element is designed, manufactured & tested in accordance with the requirements of API Specification 16A.



Academy Petroleum has specified quality materials for use in its construction, resulting in reliable sealing performance under a wide range of operating conditions. The steel reinforcing inserts are made from low alloy steel, meeting the requirements of NACE MR0175 for sour service applications. The elastomeric compound used in this Packing Element is Hydrogenated Nitrile Butadiene Rubber (HNBR), also known as Highly Saturated Nitrile (HSN). HNBR is used widely in the oil & gas industry, particularly where Hydrogen Sulfide (H<sub>2</sub>S) gas is present, due to its ability to withstand a wide variety of oils, fuels, and other chemicals. HNBR exhibits good weathering resistance and excellent mechanical properties in terms of tensile strength, tear modulus, elongation at break and abrasion resistance.

Our Packing Element design has been tested rigorously in accordance with API Specification 16A to ensure proper functionality and reliable sealing performance. In addition, each Packing Element is thoroughly inspected and fully function tested in accordance with API Specification 16A prior to leaving our facility.

<b>5 1/8" – 10,000 BOP Packing Element Specifications</b>	
Rated Working Pressure	10,000 psi (69 MPa)
Maximum Outside Diameter	15.03 in (382 mm)
Minimum Inside Diameter	5.44 in (138 mm)
Overall Height	6.82 in (173 mm)
Weight	65 lbs (30 kg)
Temperature Rating	API 16A Class 'AA' -15°F to 180°F (-26°C to 82°C)
Rated for H2S Service as Defined by API 16A & NACE MR0175	