

Brush Seals



Technetics Group has been the leader in the production of metal fibers and products incorporating metal fibers and sintered fiber metal materials for over 25 years. Our fiber metal seals are being used in many of the new generation gas turbine engines being produced today. As an extension of this business, Technetics Group developed techniques for the production of brush seals and has been doing so for more than 15 years.

CAPABILITY

Technetics Group has developed manufacturing methods and equipment capable of producing a wide range of brush seal designs. This includes all machining, brazing, plating, welding, and heat treating requirements.

DESIGN

Single brush seals and multiple brush seals in series can be provided utilizing novel manufacturing techniques (patents pending). Brushes can be produced on the outside diameter and inside diameter of the ring, both for stationary and rotating seal rings.



SIZES

Diameters ranging from 2 inches up to 110 inches can be produced for both static and rotating applications.

WIRE ALLOYS

Haynes* 25 is the primary wire material. However, Technetics Group has experience working with various other alloys such as Hastelloy* X, Inconel* 600, and stainless steel.

FIBER DIAMETER

4 mil and 5.6 mil wire are the primary sizes. However, Technetics Group has experience working with larger and smaller size wire.

BRUSH ANGLE & DENSITY

0° up to 60° with a packing density of 2500-5000 wires per inch.



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