

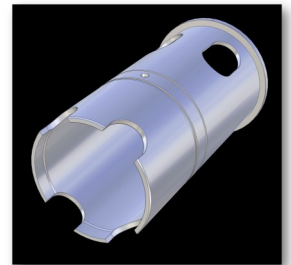
Cylinder Liners

Compressor Cylinder Liners

ACI provides one of the most comprehensive cylinder liner design engineering and manufacturing capability in the market. The following describes some of the basic styles available.

Slip-Fit Liners

- Installed in most OEM cylinders:
 - Replaces cylinders with wet liners
 - Replaces interference fit liners
 - Installs in cylinder with no liners
 - Installs in existing wet liner bodies
- Liner clamped in place using the front head bolt load:
 - Reduces maintenance time for installation/removal
 - Replaces easily for wear and/or performance reasons
- Designed for application specifics:
 - Reline existing cylinders to meet changing conditions
- Manufactured from high quality centrifugally cast iron material:
 - Maintains a true and round cylinder bore
 - Maximizes cylinder liner durability
 - Maximizes component life (piston rings and rider bands)



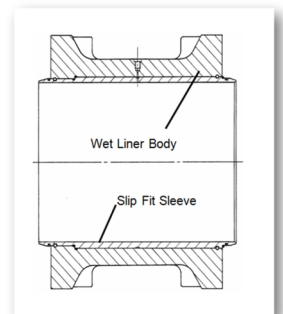
Wet Type Liners

- A liner style used in valve-in-head cylinders:
 - Designed as a duplicate replacement component to original OEM design
 - Liner is part of the cylinder water jackets
 - Internal oil tubes required to distribute lube oil to cylinder bore
- Manufactured from high quality cast iron material usually a sand casting:
 - Maintains a true and round cylinder bore
 - Maximizes cylinder liner durability
 - Maximizes component life (piston rings and rider bands)



Dry Type Liners

- A liner style used in valve-in-head cylinders, water or air cooled:
 - Designed as a duplicate replacement component to original OEM design
 - Liner is separate of the cylinder water jackets
 - Lube oil is distributed to bore through drilled feed holes
- Manufactured from high quality centrifugally cast iron material:
 - Maintains a true and round cylinder bore
 - Maximizes cylinder liner durability
 - Maximizes running life of piston rings and rider bands



Reciprocating Compressor Experts

125 Steubenville Ave. • Cambridge, Ohio 43725
Phone: (740) 435-0240 • Fax: (740) 435-0260

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