

Fluid End Expendables

Mission manufactures field-proven fluid end expendables for all pump manufactures. All fluid end expendables are manufactured from high quality materials to provide extended run times and longer service life.



Rod Clamp Assembly

Crosshead Extension Rods (Pony Rods)

Gland Bushings and Junk Rings

Piston Rod Clamps

Seats

Springs

Valve Inserts

Gaskets

- Cylinder Head
- High Temperature Polyurethane
- Liner
- OEM
- Polyurethane
- Valve Cover
- Wear Plate

Liners

- Ceramic
- Chrome Iron Sleeved
- Hardened Steel

Packing

- Rod (Duplex)
- Pony Rod

Pistons

- Blue Lightning™
- Flexlip
- Green Duo™
- Supreme
- Slip Seal Bullitt™
- White Lightning™



Liner, Cylinder and Valve Cover Gaskets

Piston Rods

- Blak-JAK™ HydrA-LIGN Rod System
- Self-Aligning
- OEM

Pullers/Tools

- Bushing X-tractor™
- Liner Bushing Puller (P Series Pumps)
- Liner Pullers
- Piston Rod Nut Wrenches
- Seat Pullers
- Wear Plate Pullers

Valves

- Bonded
- Crossarm Style
- Full Open
- Roughneck and Roughneck HP

Modules

- Mission "L" Style Module-5,000 and 7,500 psi
- Monoblock
- OEM Style



Supreme Valves and Seats



Roughneck Bonded Valve and Seat



White Lightning Roughneck Bonded Valve

Roughneck™ Bonded Drilling Valves

The Roughneck bonded drilling valve design is the model for extreme pressure drilling. It improves maintenance conditions in valve-over-valve fluid ends and the uniform loading of the fluid end taper increases fluid end life. The Roughneck has a heat treated forged alloy steel valve body and valve seat for extended service life, ideal for higher horsepower pumps and pressures to 7,500 psi. Roughneck bonded valves are also available in White Lightning which is good to 230° F.