

# Valves & Seats



## SUPREME VALVES AND SEATS

Mission Stem Guided Valve & Seat.

### Features include:

- The industry's most preferred valve.
- Available with Urethane and Nitrile based elastomer inserts.
- Available with White Lightning Valve Inserts for drilling fluids up to 230° F.
- Operates in oil based and water based drilling fluids.
- Superior abrasion resistance when utilizing White Lightning Inserts.
- Suitable for 5000 psi operation.

See Quick Reference Guide for part number information



## FK-N STYLE VALVES AND SEATS

### Features include:

- Full open design.
- Renewable insert.
- 5000 psi service.



## ROUGHNECK AND ROUGHNECK HP

Mission Full Open Drilling Valve and Seat.

### Features include:

- Pressure ratings up to 7500 psi.
- White Lightning material available for valve inserts.
- Superior full open flow characteristics.
- Largest load bearing area in industry.
- Snap on insert.
- Unibody construction.

See Quick Reference Guide for part number information



## FK-1 STYLE VALVES AND SEATS

### Features include:

- Stem guided valve.
- Three web seat.
- Renewable insert.
- 5000 psi service.



## SERVICE MASTER / ROUGHNECK

Mission valves and seats for Frac and Cementing.

### Features include:

- Available in sizes 1A to Series 7.
- Abrasion resistant Urethane inserts.
- Unibody construction.
- High flow areas.
- Most asked for valve and seat in the well service industry.
- Configured to fit all major well service pumps.

See Well Service Valve Information in this Section



## SILVER TOP VALVES AND SEATS

Mission low pressure valves and seats for double acting pumps.

### Features include:

- 750 psi maximum.
- Replaceable Nitrile Elastomer inserts.
- Oil resistant inserts.

