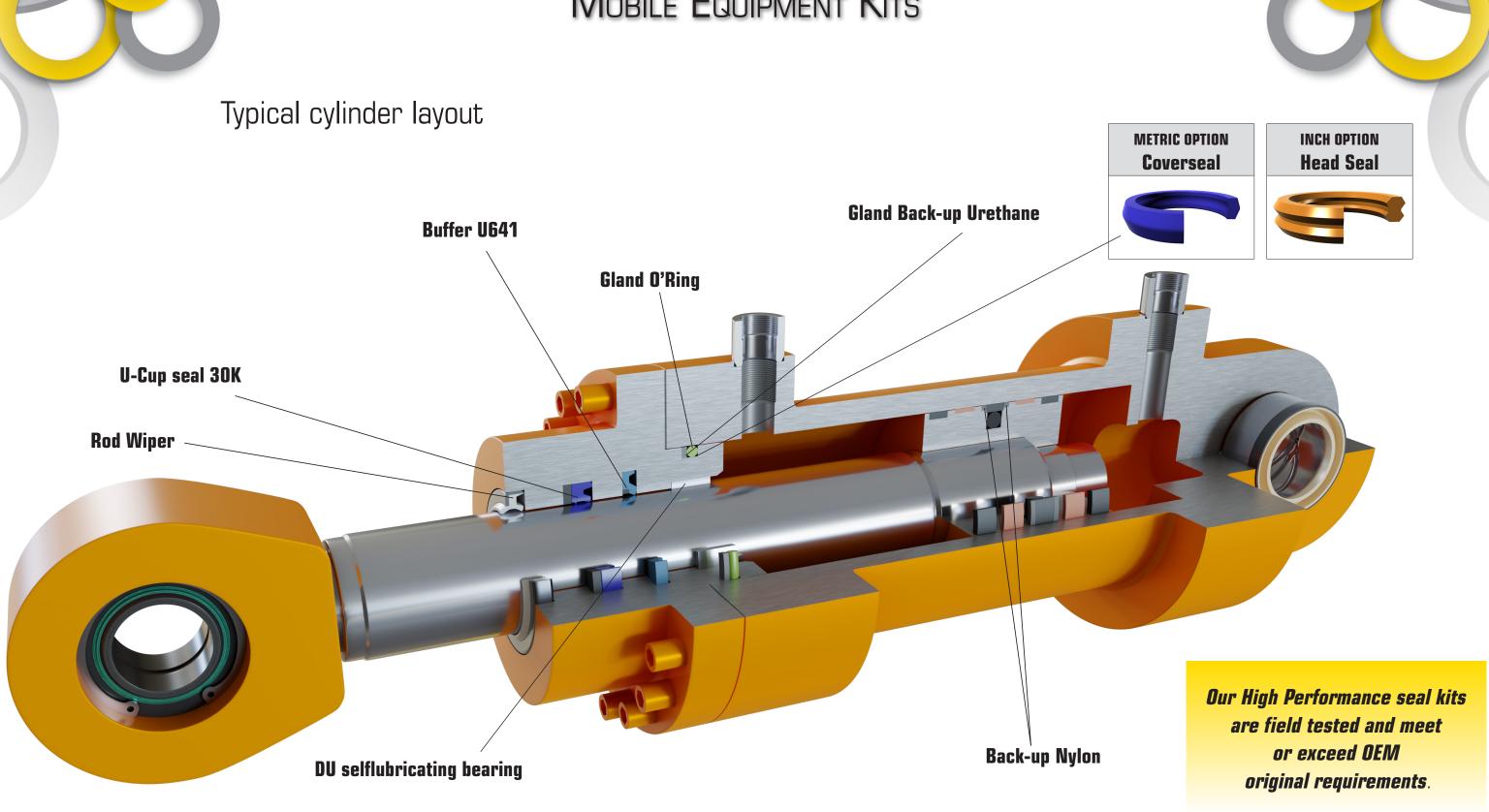


## HIGH PERFORMANCE MOBILE EQUIPMENT KITS



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# HIGH PERFORMANCE MOBILE EQUIPMENT KITS







|           | Buffer U641  |   |
|-----------|--|---|
| Problems  | Hydrolysis, heat aging, compression set against bio fuels.   | - |
| Solutions | Change to Freudenberg's premium U641 buffer material.  |   |
| Benefits  | High extrusion resistance allows operating pressure of 41 MPa/6000 PSI Improved stability in temperatures up to 230°F/110°C = improved compression set.  Outstandingly suited for mineral and biodegradable hydraulics fluids. |   |

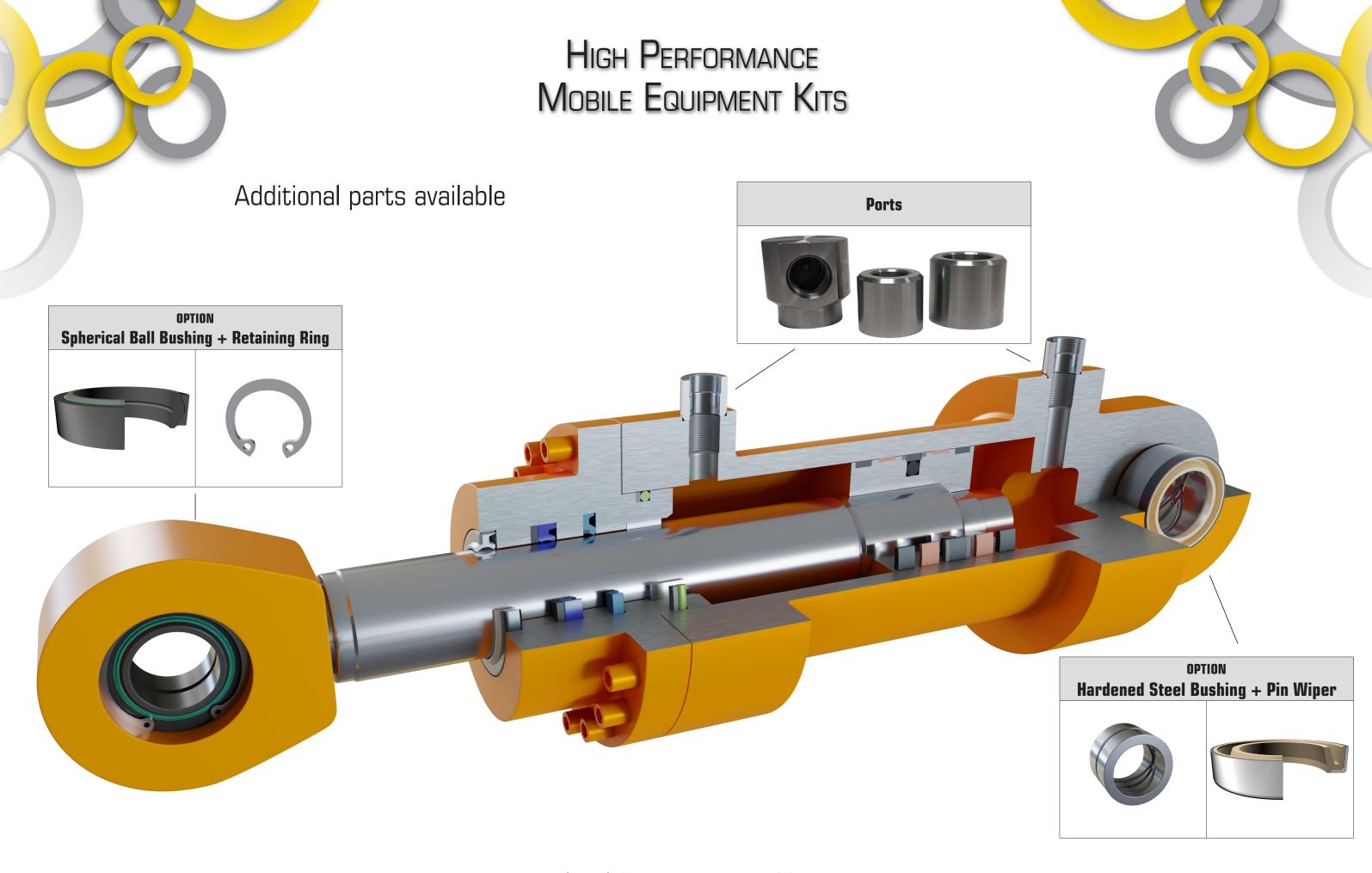
|           | Secondary U-Cup seal  |                     |
|-----------|---|---------------------|
| Problems  | Hydrolysis, heat aging, compression set against bio fuels.  | THE PERSON NAMED IN |
| Solutions | Change to Freudenberg's 30K U-cup seal with double lip.   |                     |
| Benefits  | Improved double lip profile adds heel stabilizing lip and increased oil retention to the rod for lower friction. Higher extrusion limits allows operating pressures of 50 MPa/7250 PSI.  Improved stability in temperatures from -31 °F to 250 °F/-35 °C to 120 °C = improved compression set.  Outstandingly suited for mineral and biodegradable hydraulics fluids. Hydrolysis resistant. |                     |

|           | Gland O'Ring  |  |
|-----------|---|--|
| Problems  | Heat aging and compression set. O'ring conforms to groove.  |  |
| Solutions | Move to "Specially Formulated" and lab tested low compression set material.   |  |
| Benefits  | Improved stability in temperatures from -22°F to 300°F/-30°C to 150°C. Increased resistance to compression set. Excellent abrasion resistance. Superior fluid resistance. |  |

|           | Urethane Gland Back-up                          |  |
|-----------|---|--|
| Problems  | Extruding under pressure and breathing.         |  |
| Solutions | Move to specially formulated shore D material   |  |
|           | to improve extrusion resistance.                |  |
| Benefits  | Increased pressure resistance using 60 shore D. |  |

|           | Coverseal PU 83 or Head Seal  |       |
|-----------|---|-------|
| Problems  | "Shock Loading".  |       |
| Solutions | Move to cover seal or head seal profile.  | 图 100 |
| Benefits  | Improved sealing function at low and high pressure conditions.  Minimal deformation, even at a high pressure.  Very high extrusion resistance.  Very low compression-set.  Easy installation, no twisting.  For use in standard grooves.  Available in various compounds. |       |

|           | Back-up Nylon  |  |
|-----------|--|--|
| Problems  | Current thermoplastic 3mm x 3mm anti-extrusion rings (market knows them as green) are extruding and blowing out under pressure spikes/shock loading.                                   |  |
| Solutions | Move to high tensile strength filled nylon with internally lubricated additives.   |  |
| Benefits  | Increased extrusion resistance by using nylon with strength filler. Increased heat resistance up to 440°F/240°C. Increased media compatibility. Machine finished for tight tolerances. |  |



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- FPM FKM
- HNBR
- NBR

- NYLON
- PFFK
- POLYURETHANE
- SILICONE
- TEFLON®
- UHMW



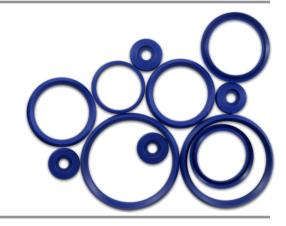
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