

INDUSTRIAL KIT CATALOGUE

ISSUE 4



INTRODUCTION

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Issue 4

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WARRANTY

Fluid Power guarantees its products to be free from defects in workmanship and raw materials. Our liability for breach of any and all warranties is limited to refunding our invoice price of the product, or at our option, replacement of the material free of charge, including transportation charges but not the cost of installation. The sale of our products under any other warranty or guarantee, expressed or implied is not authorised by the company. All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which the seller believes to be reliable and are intended for use by persons having skill and know-how, at their own discretion and risk. Seller assumes no responsibility for results obtained or damages occurred from their use by the Buyer in whole or in part.

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

INTRODUCTION

With over 60,000 line items including Hydraulic Seals, Pneumatic Seals, Seal Kits, Cylinder Parts and associated products, Fluid **Power** is one of the leading forces in the Hydraulic Seal Industry.

Established in 1984, Fluid **Power** has grown dramatically from it's small beginnings into a global company with customers in Europe, North America, South America, Asia and the Caribbean. Built on the philosophy that we want to supply all of your seals, all of the time, whatever it takes, our staff will go out of their way to get that elusive seal that no other supplier can find.

Our vast selection of seals includes standard cylinder types, as well as some of the more obscure designs and sizes.

By investing time and money on staff training, technology and stock, Fluid **Power** are able to offer a quality service to their customers that is unrivalled by its competitors. With the aim of shipping all stock items on orders received before 5.45pm (11.45am on Saturday) on that same day, if the seal you need isn't available from stock we will endeavour to source it for you as quickly as possible. Alternatively we can now offer to manufacture parts in-house through our Seal Making Facility.

Other Fluid **Power** catalogues include Master Seal, Cylinder Parts, PTFE, and Mobile Kit.

Fluid **Power** takes great pride in the service it provides supplying the right seal, at the right price, right on time.

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The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
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INTRODUCTION

ORDERING INFORMATION

You can order by phone, fax or e-mail on;

Tel: +44 (0)1325 282732

Fax: +44 (0)1325 381815

Email: sales@fpe-ltd.co.uk

SATISFACTION

Total customer satisfaction is our goal. Please call with any questions or problems. Your input helps us to improve our service. We want to be your most reliable supplier.

HOW TO OPEN AN ACCOUNT WITH US - SAME DAY CREDIT

APPROVAL

1. Fax or phone for credit application.
2. Return completed and signed Credit Application for processing.
3. We will notify you by phone, or fax, of credit approval and limits followed by a letter.

PRICES QUOTATIONS/NON-CATALOGUE ITEMS

Fluid **Power** is constantly adding parts to inventory. If you need a part that is not listed in our catalogue, call, fax, or send us a sample of the part you need, how many pieces are required, and we will source, quote, order, and stock the parts for you. Call or fax us anytime for price and delivery on hard-to-find or non-catalogue items. Formal quotations for products are available upon request.

RETURNS POLICY

Parts must be returned within 30 days of receipt of goods. Returned items are subject to a 20% restocking charge. All returns are subject to inspection by our Quality Control Department and may be rejected if not in resalable condition. All returned kits must be complete or you will be charged for the entire kit. Any modification of hardware components voids the warranty from the manufacturer and from Fluid **Power**. Special order items are non-returnable.

QUALITY POLICY

STATEMENT

It is the objective of Fluid **Power** to:

1. Provide customers with goods and service which meet the high standards of Quality and Reliability essential to the safety and application needs of customer requirements.
2. Provide a safe and healthy working environment for it's employees.
3. To endeavour to ensure the continuing success and recognition of Fluid **Power** in the U.K. and Overseas market place.

To achieve these objectives, it is the intention of Fluid **Power** to establish and maintain an effective and efficient Quality Assurance System based on the requirements of BS EN ISO9002: 1994.

The designated Quality Manager has the responsibility and authority to establish and maintain the Quality Assurance Programme and the organisational freedom to recognise Quality problems and to initiate, recommend or provide solutions to these problems.

The Quality Assurance Programme will be laid down in the Quality Assurance Manual and will have the full support of senior management. All staff will be made aware of the existence of the manual and will be required to adhere to it's directive.

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INFORMATION

Materials Used

Urethane (URE)

Formulated of copolymers of ether or ester based urethanes, this material is used in a wide application of seals, wipers, back-up rings, cushions, bumpers, and a myriad of other uses. Highly resistant to oil swell, ozone, oxidation and abrasion, it also has excellent cut resistance. Highly resilient, urethanes also have high tensile strength and elongation properties. Urethanes remain an excellent choice in hydraulic systems using petroleum based fluids. Most urethane seals remain flexible and efficient in temperatures ranging from -40° C to +110° C.

Nitrile (NBR) (XNBR)

Two common nitrile copolymer blends are Nitrile (NBR) and Carboxylated Nitrile (XNBR). Possessing very good resistance to petroleum based hydraulic oils, Nitrile also works well with fuels such as diesel or gasoline. XNBR compounds feature improved abrasion resistance and tensile strength. Nitrile seals have a good resistance to compression set, but their flexibility suffers somewhat in the lower temperature range. Seals made from this material have a low resistance to ozone and must be stored carefully in most environments. Working temperatures are -30°C to +100°C.

Polytetrafluorethylene (PTFE)

Most PTFE seals, in order to retain their toughness and flexibility, are fortified with short glass fibre, bronze flashes, carbon, graphite, or a combination of these fillers. Because of a lack of resilience (memory) in PTFE, an energizer is most often employed to obtain the desired fit. Benefits are chemical inertness, high heat resistance, low temperature flexibility, low running friction, and non-adhesive characteristics. Temperatures to +315° C are obtainable but are often reduced by the filler or energizer employed.

Fluorocarbon (FC)

Fluorocarbon combines high temperature resistance with excellent chemical resistance. Excellent for use with alcohol and aromatic fuels and is highly resistant to ultraviolet light and ozone. This material is not recommended for use in low temperatures or in aircraft hydraulic fluids. Temperature range is -15° C to +200° C.

Glossary of Terms

Bearing/Wear Rings

Soft metal or plastic rings placed in grooves on the piston or in the head to prevent contact between hard metal surfaces.

Durometer

A generic term referring to the instrument and the scale used to measure the relative hardness of various elastomers. The lower the durometer rating, the softer the material.

Dynamic Seal

A sealing device used between mating surfaces that have relative motion.

Elastomer

A rubber-like material having the capacity for large deformation and rapid, complete recovery from the deforming force.

Gland

A rod bushing containing sealing devices fitted into the rod end cap. A groove or open area machined into the head or piston that houses the sealing device.

Static Seal

A sealing device used between mating surfaces that have no relative motion.

Wiper/Scraper

A device placed in the head of a cylinder for the purpose of excluding foreign matter from the inside of the cylinder.

The Hydraulic Seal Specialists

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NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

A5 Series

Rod Kits 2
 Piston Kits 3
 Tube End Seals 3

E2 Series

Rod Kits 4
 Piston Kits 4
 Tube End Seals 4

N2 Series

Rod Kits 5
 Piston Kits 6
 Tube End Seals 7

N5 Series

Rod Kits 8 - 9
 Piston Kits 10
 Tube End Seals 10

R2 Series

Rod Kits 11
 Piston Kits 12
 Tube End Seals 13

R5 Series

Rod Kits 14 - 15
 Piston Kits 16
 Tube End Seals 17

Universal Kits

Rod Kits 18
 Gland Kits 19
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 Captive Cushion Adjustment Seal 21

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
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NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

A5 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| Rod Dia. | A5 Cylinders | | HA5 Cylinders | | | | | |
|-------------|---|--|---|--|----------------|------------|-------------------|------------|
| | Nitrile | Fluorocarbon | Urethane | Fluorocarbon | | | | |
| |  |  |  |  | | | | |
| | <p>Kit Includes:</p> <ul style="list-style-type: none"> 1 XNBR Wiper 1 URE Back-up Ring 1 NBR U-seal 1 PTFE Back-up Ring 1 NBR O-ring | <p>Kit Includes:</p> <ul style="list-style-type: none"> 1 FC Wiper 1 PTFE Back-up Ring 1 FC U-seal 1 PTFE Back-up Ring 1 FC O-ring | <p>Kit Includes:</p> <ul style="list-style-type: none"> 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring | <p>Kit Includes:</p> <ul style="list-style-type: none"> 1 FC Wiper 1 PTFE Back-up Ring 1 FC Energised U-seal 1 PTFE Back-up Ring 1 FC O-ring | | | | |
| | (NBR) Kit No | List Price | (FC) Kit No | List Price | (URE) Kit No | List Price | (FC) Kit No | List Price |
| 5/8" | SKHYDN5-660-05 | £ | SKHYDN5-660-05V | £ | SKHYDN5-681-05 | £ | SKHYDN5-660-P-05V | £ |
| 1" | SKHYDN5-660-08 | | SKHYDN5-660-08V | | SKHYDN5-681-08 | | SKHYDN5-660-P-08V | |
| 1-3/8" | SKHYDN5-660-11 | | SKHYDN5-660-11V | | SKHYDN5-681-11 | | SKHYDN5-660-P-11V | |

FOR A5 GLAND KITS SEE UNIVERSAL GLAND KITS PAGE 19

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
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NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

A5 Series Piston Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

A5 Cylinders

Nitrile**Fluorocarbon**



Kit Includes:
2 NBR U-seals
2 PTFE Tube End Seals



Kit Includes:
2 FC U-seals
2 PTFE Tube End Seals

| Bore Dia. | (NBR) Kit No | List Price | (FC) Kit No | List Price |
|-----------|-----------------|------------|------------------|------------|
| 1-1/2" | SKHYDA5-512-03 | £ | SKHYDA5-512-03V | £ |
| 2" | SKHYDA5-512-04 | | SKHYDA5-512-04V | |
| 2-1/2" | SKHYDA5-512-05 | | SKHYDA5-512-05V | |
| 3-1/4" | SKHYDA5-512-065 | | SKHYDA5-512-065V | |
| 4" | SKHYDA5-512-08 | | SKHYDA5-512-08V | |
| 5" | SKHYDA5-512-10 | | SKHYDA5-512-10V | |
| 6" | SKHYDA5-512-12 | | SKHYDA5-512-12V | |

Tube End Seals

A5 Cylinders
PTFE

| Bore Dia. | Part No | List Price |
|-----------|-------------|------------|
| 1-1/2" | HS-C221-03 | £ |
| 2" | HS-C221-04 | |
| 2-1/2" | HS-C221-05 | |
| 3-1/4" | HS-C221-065 | |
| 4" | HS-C221-08 | |
| 5" | HS-C221-10 | |
| 6" | HS-C221-12 | |



The Hydraulic Seal Specialists

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NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

E2 Series Rod Kits

E2 Cylinders Nitrile



| Rod Dia. | (NBR) Kit No | List Price |
|----------|----------------|------------|
| 5/8" | SKHYDE2-660-05 | £ |
| 1" | SKHYDE2-660-08 | |
| 1-3/8" | SKHYDE2-660-11 | |

Kit Includes:

- 1 XNBR Wiper
- 1 NBR U-seal
- 1 NBR O-ring

Piston Kits

E2 Cylinders Nitrile



| Bore Dia. | (NBR) Kit No | List Price |
|-----------|-----------------|------------|
| 1-1/2" | SKHYDE2-512-03 | £ |
| 2" | SKHYDE2-512-04 | |
| 3-1/4" | SKHYDE2-512-065 | |
| 4" | SKHYDE2-512-08 | |

Kit Includes:

- 2 NBR U-seals
- 2 PTFE Back-up Rings (found in 2" & 4" Bore Kits Only)
- 2 Fiber Gaskets

Tube End Seals

E2 Cylinders Fiber Gaskets



| Bore Dia. | Part No | List Price |
|-----------|-------------|------------|
| 1-1/2" | HS-E304-03 | £ |
| 2" | HS-E304-04 | |
| 3-1/4" | HS-E304-065 | |
| 4" | HS-E304-08 | |

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NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

N2 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

N2 Cylinders

Nitrile



Kit Includes:

- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal
- 1 PTFE Back-up Ring
- 1 NBR O-ring

Fluorocarbon



Kit Includes:

- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC U-seal
- 1 PTFE Back-up Ring
- 1 FC O-ring

| Rod Dia. | (NBR) Kit No | List Price | (FC) Kit No | List Price |
|----------|----------------|------------|-----------------|------------|
| 5/8" | SKHYDN2-661-05 | £ | SKHYDN2-661-05V | £ |
| 1" | SKHYDN2-661-08 | | SKHYDN2-661-08V | |
| 1-3/8" | SKHYDN2-661-11 | | SKHYDN2-661-11V | |
| 1-3/4" | SKHYDN2-661-14 | | SKHYDN2-661-14V | |
| 2" | SKHYDN2-661-16 | | SKHYDN2-661-16V | |
| 2-1/2" | SKHYDN2-661-20 | | SKHYDN2-661-20V | |
| 3" | SKHYDN5-660-24 | | SKHYDN5-660-24V | |
| 3-1/2" | SKHYDN5-660-28 | | SKHYDN5-660-28V | |
| 4" | SKHYDN5-660-32 | | SKHYDN5-660-32V | |
| 4-1/2" | SKHYDN5-660-36 | | SKHYDN5-660-36V | |
| 5" | SKHYDN5-660-40 | | SKHYDN5-660-40V | |
| 5-1/2" | SKHYDN5-660-44 | | SKHYDN5-660-44V | |

FOR N2 GLAND KITS SEE UNIVERSAL GLAND KITS, SEE PAGE 19

The Hydraulic Seal Specialists

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NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

N2 Series Piston Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| | | Nitrile | | N2 Cylinders Fluorocarbon | | Piston Ring | |
|-----------|-----------------|---|------------------|---|-----------------|--|--|
| | |  | |  | |  | |
| | | Kit Includes: 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals | | Kit Includes: 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals | | Kit Includes: 4 Cast-Iron Piston Rings 2 PTFE Tube End Seals | |
| Bore Dia. | (NBR) Kit No | List Price | (FC) Kit No | List Price | (PR) Kit No | List Price | |
| 1-1/2" | SKHYDN2-512-03 | £ | SKHYDN2-512-03V | £ | SKHYDN2-511-03 | £ | |
| 2" | SKHYDN2-512-04 | | SKHYDN2-512-04V | | SKHYDN2-511-04 | | |
| 2-1/2" | SKHYDN2-512-05 | | SKHYDN2-512-05V | | SKHYDN2-511-05 | | |
| 3-1/4" | SKHYDN2-512-065 | | SKHYDN2-512-065V | | SKHYDN2-511-065 | | |
| 4" | SKHYDN2-512-08 | | SKHYDN2-512-08V | | SKHYDN2-511-08 | | |
| 5" | SKHYDN2-512-10 | | SKHYDN2-512-10V | | SKHYDN2-511-10 | | |
| 6" | SKHYDN2-512-12 | | SKHYDN2-512-12V | | SKHYDN2-511-12 | | |
| 7" | SKHYDN2-512-14 | | SKHYDN2-512-14V | | SKHYDN2-511-14 | | |
| 8" | SKHYDN2-512-16 | | SKHYDN2-512-16V | | SKHYDN2-511-16 | | |
| 10" | SKHYDN2-512-20 | | SKHYDN2-512-20V | | SKHYDN2-511-20 | | |
| 12" | SKHYDN2-512-24 | | SKHYDN2-512-24V | | SKHYDN2-511-24 | | |

The Hydraulic Seal Specialists

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NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

**N2 Series
Tube End Seals**

**N2 Cylinders
PTFE**

| Bore Dia. | Part No | List Price |
|-----------|----------------------------------|------------|
| 1-1/2" | HS-C124-03 | £ |
| 2" | HS-C124-04 | |
| 2-1/2" | HS-C124-05 | |
| 3-1/4" | HS-C124-065 | |
| 4" | HS-C124-08 | |
| 5" | HS-C124-10 | |
| 6" | HS-C124-12 | |
| 7" & UP | HS-C124-STRIP (sold by the foot) | |



NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

The Hydraulic Seal Specialists

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NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

N5 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

N5 & AN5 Cylinders Nitrile

**Kit Includes:**

- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal
- 1 PTFE Back-up Ring
- 1 NBR O-ring

| Rod Dia. | (NBR) Kit No | List Price |
|----------|----------------|------------|
| 5/8" | SKHYDN5-660-05 | £ |
| 1" | SKHYDN5-660-08 | |
| 1-3/8" | SKHYDN5-660-11 | |
| 1-3/4" | SKHYDN5-660-14 | |
| 2" | SKHYDN5-660-16 | |
| 2-1/2" | SKHYDN5-660-20 | |
| 3" | SKHYDN5-660-24 | |
| 3-1/2" | SKHYDN5-660-28 | |
| 4" | SKHYDN5-660-32 | |
| 4-1/2" | SKHYDN5-660-36 | |
| 5" | SKHYDN5-660-40 | |
| 5-1/2" | SKHYDN5-660-44 | |

Rod Kits

N5 Cylinders Fluorocarbon

**Kit Includes:**

- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC U-seal
- 1 PTFE Back-up Ring
- 1 FC O-ring

| Rod Dia. | (FC) Kit No | List Price |
|----------|-----------------|------------|
| 5/8" | SKHYDN5-660-05V | £ |
| 1" | SKHYDN5-660-08V | |
| 1-3/8" | SKHYDN5-660-11V | |
| 1-3/4" | SKHYDN5-660-14V | |
| 2" | SKHYDN5-660-16V | |
| 2-1/2" | SKHYDN5-660-20V | |
| 3" | SKHYDN5-660-24V | |
| 3-1/2" | SKHYDN5-660-28V | |
| 4" | SKHYDN5-660-32V | |
| 4-1/2" | SKHYDN5-660-36V | |
| 5" | SKHYDN5-660-40V | |
| 5-1/2" | SKHYDN5-660-44V | |

FOR N5 GLAND KITS SEE UNIVERSAL GLAND KITS, SEE PAGE 19

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NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

**N5 Series
Rod Kits**

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| Urethane | | N5 Cylinders Urethane | | Fluorocarbon | | |
|--|----------------|--|------------------|---|-------------------|------------|
|  | |  | |  | | |
| <p>Kit Includes: 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring</p> | | <p>Kit Includes: 1 XNBR Wiper 1 Urethane Back-up Ring 1 Urethane Energised U-seal 1 PTFE Back-up Ring 1 NBR O-ring</p> | | <p>Kit Includes: 1 FC Wiper 1 PTFE Back-up Ring 1 FC Energised U-seal 1 PTFE Back-up Ring 1 FC O-ring</p> | | |
| Rod Dia. | (URE) Kit No | List Price | (URE) Kit No | List Price | (FC) Kit No | List Price |
| 1/2" | — | £ | SKHYDN5-660-P-04 | £ | — | £ |
| 5/8" | SKHYDN5-681-05 | — | — | — | SKHYDN5-660-P-05V | — |
| 1" | SKHYDN5-681-08 | — | SKHYDN5-660-P-08 | — | SKHYDN5-660-P-08V | — |
| 1-3/8" | SKHYDN5-681-11 | — | — | — | SKHYDN5-660-P-11V | — |
| 1-3/4" | SKHYDN5-681-14 | — | SKHYDN5-660-P-14 | — | SKHYDN5-660-P-14V | — |
| 2" | SKHYDN5-681-16 | — | — | — | SKHYDN5-660-P-16V | — |
| 2-1/2" | SKHYDN5-681-20 | — | — | — | SKHYDN5-660-P-20V | — |
| 3" | SKHYDN5-681-24 | — | — | — | SKHYDN5-660-P-24V | — |
| 3-1/2" | SKHYDN5-681-28 | — | SKHYDN5-660-P-28 | — | SKHYDN5-660-P-28V | — |
| 4" | SKHYDN5-681-32 | — | — | — | SKHYDN5-660-P-32V | — |
| 4-1/2" | SKHYDN5-681-36 | — | — | — | SKHYDN5-660-P-36V | — |
| 5" | SKHYDN5-681-40 | — | — | — | SKHYDN5-660-P-40V | — |
| 5-1/2" | SKHYDN5-681-44 | — | — | — | SKHYDN5-660-P-44V | — |

FOR N5 GLAND KITS SEE UNIVERSAL GLAND KITS, SEE PAGE 19

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NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

N5 Series Piston Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| N5 Cylinders | | | | | | | | |
|---|-----------------|------------|---|------------|---|------------|---|------------|
| Nitrile | | | Fluorocarbon | | Urethane | | Piston Ring | |
|  | | |  | |  | |  | |
| Kit Includes: 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals | | | Kit Includes: 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals | | Kit Includes: 2 Urethane U-seals 2 Urethane Back-up Rings 2 PTFE Tube End Seals | | Kit Includes: 4 Cast-Iron Piston Rings 2 PTFE Tube End Seals | |
| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price | (URE) Kit No. | List Price | (PR) Kit No. | List Price |
| 1-1/2" | SKHYDN5-512-03 | £ | SKHYDN5-512-03V | £ | | £ | SKHYDN5-511-03 | £ |
| 2" | SKHYDN5-512-04 | | SKHYDN5-512-04V | | | | SKHYDN5-511-04 | |
| 2-1/2" | SKHYDN5-512-05 | | SKHYDN5-512-05V | | SKHYDN5-512-P-05 | | SKHYDN5-511-05 | |
| 3-1/4" | SKHYDN5-512-065 | | SKHYDN5-512-065V | | | | SKHYDN5-511-065 | |
| 4" | SKHYDN5-512-08 | | SKHYDN5-512-08V | | | | SKHYDN5-511-08 | |
| 5" | SKHYDN5-512-10 | | SKHYDN5-512-10V | | | | SKHYDN5-511-10 | |
| 6" | SKHYDN5-512-12 | | SKHYDN5-512-12V | | | | SKHYDN5-511-12 | |
| 7" | SKHYDN5-512-14 | | SKHYDN5-512-14V | | | | SKHYDN5-511-14 | |
| 8" | SKHYDN5-512-16 | | SKHYDN5-512-16V | | SKHYDN5-512-P-16 | | SKHYDN5-511-16 | |
| 10" | SKHYDN2-512-20 | | SKHYDN2-512-20V | | | | SKHYDN2-511-20 | |
| 12" | SKHYDN2-512-24 | | SKHYDN2-512-24V | | | | SKHYDN2-511-24 | |

Tube End Seals

| N5 Cylinders PTFE | | |
|----------------------|----------------------------------|------------|
| Bore Dia. | Part No. | List Price |
| 1-1/2" | HS-C255-03 | £ |
| 2" | HS-C255-04 | |
| 2-1/2" | HS-C255-05 | |
| 3-1/4" | HS-C255-065 | |
| 4" | HS-C255-08 | |
| 5" | HS-C255-10 | |
| 6" | HS-C255-12 | |
| 7" | HS-C255-14 | |
| 8" | HS-C255-16 | |
| 10" & UP | HS-C124-STRIP (sold by the foot) | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

R2 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| | | R2 & LR2 Cylinders | | | | | | | |
|----------|-------------|---|--|---|--|-----------------|------------|--------------------|------------|
| | | Nitrile | Fluorocarbon | Urethane | Fluorocarbon | | | | |
| | |  |  |  |  | | | | |
| | | Kit Includes: 1 XNBR Wiper 1 URE Back-up Ring 1 NBR U-seal 1 PTFE Back-up Ring 1 NBR O-ring | Kit Includes: 1 FC Wiper 1 PTFE Back-up Ring 1 FC U-seal 1 PTFE Back-up Ring 1 FC O-ring | Kit Includes: 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring | Kit Includes: 1 FC Wiper 1 PTFE Back-up Ring 1 FC Energised U-seal 1 PTFE Back-up Ring 1 FC O-ring | | | | |
| Rod Dia. | Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price | (URE) Kit No. | List Price | (FC) Kit No. | List Price |
| 5/8" | 1" | SKHYDR2-662-05A | £ | SKHYDR2-662-05AV | £ | SKHYDR2-681-05A | £ | SKHYDR2-662-P-05AV | £ |
| 5/8" | 1.5" & UP | SKHYDN2-661-05 | | SKHYDN2-661-05V | | — | | — | |
| 1" | 1.5",2,2.5" | SKHYDR2-662-08 | | SKHYDR2-662-08V | | SKHYDR2-681-08 | | SKHYDR2-662-P-08V | |
| 1" | 3.25" & UP | SKHYDN2-661-08 | | SKHYDN2-661-08V | | — | | — | |
| 1-3/8" | 2" & 2.5" | SKHYDR2-662-11 | | SKHYDR2-662-11V | | SKHYDR2-681-11 | | SKHYDR2-662-P-11V | |
| 1-3/8" | 3.25" & UP | SKHYDN2-661-11 | | SKHYDN2-661-11V | | — | | — | |
| 1-3/4" | 2.5" | SKHYDR2-662-14 | | SKHYDR2-662-14V | | SKHYDR2-681-14 | | SKHYDR2-662-P-14V | |
| 1-3/4" | 3.25" & UP | SKHYDN2-661-14 | | SKHYDN2-661-14V | | — | | — | |
| 2" | ALL | SKHYDN2-661-16 | | SKHYDN2-661-16V | | — | | — | |
| 2-1/2" | ALL | SKHYDN2-661-20 | | SKHYDN2-661-20V | | — | | — | |
| 3" | ALL | SKHYDN5-660-24 | | SKHYDN5-660-24V | | — | | — | |
| 3-1/2" | ALL | SKHYDN5-660-28 | | SKHYDN5-660-28V | | — | | — | |
| 4" | ALL | SKHYDN5-660-32 | | SKHYDN5-660-32V | | — | | — | |
| 4-1/2" | ALL | SKHYDN5-660-36 | | SKHYDN5-660-36V | | — | | — | |
| 5" | ALL | SKHYDN5-660-40 | | SKHYDN5-660-40V | | — | | — | |
| 5-1/2" | ALL | SKHYDN5-660-44 | | SKHYDN5-660-44V | | — | | — | |

FOR R2 GLAND KITS SEE UNIVERSAL GLAND KITS, SEE PAGE 19

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

R2 Series Piston Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| | | Nitrile | R2 & LR2 Cylinders Fluorocarbon | Piston Ring | | |
|-----------|-----------------|---|---|--|-----------------|------------|
| | |  |  |  | | |
| | | <p>Kit Includes: 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals</p> | <p>Kit Includes: 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals</p> | <p>Kit Includes: 3 Cast-Iron Piston Rings 2 PTFE Tube End Seals</p> | | |
| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price | (PR) Kit No. | List Price |
| 1" | SKHYDR5-512-02 | £ | SKHYDR5-512-02V | £ | SKHYDR5-511-02 | £ |
| 1-1/2" | SKHYDR5-512-03 | | SKHYDR5-512-03V | | SKHYDR5-511-03 | |
| 2" | SKHYDR5-512-04 | | SKHYDR5-512-04V | | SKHYDR5-511-04 | |
| 2-1/2" | SKHYDR5-512-05 | | SKHYDR5-512-05V | | SKHYDR5-511-05 | |
| 3-1/4" | SKHYDR5-512-065 | | SKHYDR5-512-065V | | SKHYDR5-511-065 | |
| 4" | SKHYDR5-512-08 | | SKHYDR5-512-08V | | SKHYDR5-511-08 | |
| 5" | SKHYDR5-512-10 | | SKHYDR5-512-10V | | SKHYDR5-511-10 | |
| 6" | SKHYDR5-512-12 | | SKHYDR5-512-12V | | SKHYDR5-511-12 | |
| 8" | SKHYDR5-512-16 | | SKHYDR5-512-16V | | SKHYDR5-511-16 | |
| 10" | SKHYDR5-512-20 | | SKHYDR5-512-20V | | SKHYDR5-511-20 | |
| 12" | SKHYDR5-512-24 | | SKHYDR5-512-24V | | SKHYDR5-511-24 | |
| 14" | SKHYDR5-512-28 | | SKHYDR5-512-28V | | — | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

**R2 Series
Tube End Seals**

**R2 & LR2 Cylinders
PTFE**

| Bore Dia. | Part No. | List Price |
|-----------|----------------------------------|------------|
| 1" | HS-C221-02 | £ |
| 1-1/2" | HS-C221-03 | |
| 2" | HS-C221-04 | |
| 2-1/2" | HS-C221-05 | |
| 3-1/4" | HS-C221-065 | |
| 4" | HS-C221-08 | |
| 5" | HS-C221-10 | |
| 6" | HS-C221-12 | |
| 8" & UP | HS-C221-STRIP (sold by the foot) | |



NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE**R5 Series****Rod Kits**

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

**R5 & HR5 Cylinders
Nitrile**

| Rod Dia. | Bore Dia. | (NBR) Kit No. | List Price |
|----------|-----------|-----------------|------------|
| 1/2" | 1" | SKHYDN5-660-04 | £ |
| 5/8" | 1" | SKHYDR2-662-05A | |
| 5/8" | 1.5" & UP | SKHYDN5-660-05 | |
| 1" | 2" & UP | SKHYDN5-660-08 | |
| 1-3/8" | 2.5" & UP | SKHYDN5-660-11 | |
| 1-3/4" | ALL | SKHYDN5-660-14 | |
| 2" | ALL | SKHYDN5-660-16 | |
| 2-1/2" | ALL | SKHYDN5-660-20 | |
| 3" | ALL | SKHYDN5-660-24 | |
| 3-1/2" | ALL | SKHYDN5-660-28 | |
| 4" | ALL | SKHYDN5-660-32 | |
| 4-1/2" | ALL | SKHYDN5-660-36 | |
| 5" | ALL | SKHYDN5-660-40 | |
| 5-1/2" | ALL | SKHYDN5-660-44 | |

Kit Includes:

- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal
- 1 PTFE Back-up Ring
- 1 NBR O-ring

FOR R5 GLAND KITS SEE UNIVERSAL GLAND KITS, SEE PAGE 19

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

R5 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| | | Fluorocarbon | | HR5 Cylinders Urethane | | Urethane | | Fluorocarbon | |
|----------|-----------|--|------------|--|------------|--|------------|--|------------|
| | |  | |  | |  | |  | |
| | | <p>Kit Includes: 1 FC Wiper 1 PTFE Back-up Ring 1 FC U-seal 1 PTFE Back-up Ring 1 FC O-ring</p> | | <p>Kit Includes: 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring</p> | | <p>Kit Includes: 1 XNBR Wiper 1 Urethane Back-up Ring 1 URE Energised U-seal 1 PTFE Back-up Ring 1 NBR O-ring</p> | | <p>Kit Includes: 1 FC Wiper 1 PTFE Back-up Ring 1 FC Energised U-seal 1 PTFE Back-up Ring 1 FC O-ring</p> | |
| Rod Dia. | Bore Dia. | (FC) Kit No. | List Price | (URE) Kit No. | List Price | (URE) Kit No. | List Price | (FC) Kit No. | List Price |
| 1/2" | 1" | SKHYDN5-660-04V | £ | | £ | SKHYDN5-660-P-04 | £ | SKHYDN5-660-P-04V | £ |
| 5/8" | 1" | SKHYDR2-662-05AV | | SKHYDN5-681-05A | | — | | SKHYDN5-660-P-05AV | |
| 5/8" | 1.5"& UP | SKHYDN5-660-05V | | SKHYDN5-681-05 | | — | | SKHYDN5-660-P-05V | |
| 1" | 2"& UP | SKHYDN5-660-08V | | SKHYDN5-681-08 | | SKHYDN5-660-P-08 | | SKHYDN5-660-P-08V | |
| 1-3/8" | 2.5"& UP | SKHYDN5-660-11V | | SKHYDN5-681-11 | | — | | SKHYDN5-660-P-11V | |
| 1-3/4" | ALL | SKHYDN5-660-14V | | SKHYDN5-681-14 | | SKHYDN5-660-P-14 | | SKHYDN5-660-P-14V | |
| 12" | ALL | SKHYDN5-660-16V | | SKHYDN5-681-16 | | — | | SKHYDN5-660-P-16V | |
| 2-1/2" | ALL | SKHYDN5-660-20V | | SKHYDN5-681-20 | | — | | SKHYDN5-660-P-20V | |
| 3" | ALL | SKHYDN5-660-24V | | SKHYDN5-681-24 | | — | | SKHYDN5-660-P-24V | |
| 3-1/2" | ALL | SKHYDN5-660-28V | | SKHYDN5-681-28 | | SKHYDN5-660-P-28 | | SKHYDN5-660-P-28V | |
| 4" | ALL | SKHYDN5-660-32V | | SKHYDN5-681-32 | | — | | SKHYDN5-660-P-32V | |
| 4-1/2" | ALL | SKHYDN5-660-36V | | SKHYDN5-681-36 | | — | | SKHYDN5-660-P-36V | |
| 5" | ALL | SKHYDN5-660-40V | | SKHYDN5-681-40 | | — | | SKHYDN5-660-P-40V | |
| 5-1/2" | ALL | SKHYDN5-660-44V | | SKHYDN5-681-44 | | — | | SKHYDN5-660-P-44V | |

FOR R5 GLAND KITS SEE UNIVERSAL GLAND KITS, PAGE 19

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

R5 Series Piston Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| | | Nitrile | | R5 Cylinders Fluorocarbon | | Piston Ring | |
|--------------|-----------------|---|------------------|---|-----------------|--|--|
| | |  | |  | |  | |
| | | Kit Includes: 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals | | Kit Includes: 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals | | Kit Includes: 3 Cast-Iron Piston Rings 2 PTFE Tube End Seals | |
| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price | (PR) Kit No. | List Price | |
| 1" | SKHYDR5-512-02 | £ | SKHYDR5-512-02V | £ | SKHYDR5-511-02 | £ | |
| 1-1/2" | SKHYDR5-512-03 | | SKHYDR5-512-03V | | SKHYDR5-511-03 | | |
| 2" | SKHYDR5-512-04 | | SKHYDR5-512-04V | | SKHYDR5-511-04 | | |
| 2-1/2" | SKHYDR5-512-05 | | SKHYDR5-512-05V | | SKHYDR5-511-05 | | |
| 3-1/4" | SKHYDR5-512-065 | | SKHYDR5-512-065V | | SKHYDR5-511-065 | | |
| 4" | SKHYDR5-512-08 | | SKHYDR5-512-08V | | SKHYDR5-511-08 | | |
| 5" | SKHYDR5-512-10 | | SKHYDR5-512-10V | | SKHYDR5-511-10 | | |
| 6" | SKHYDR5-512-12 | | SKHYDR5-512-12V | | SKHYDR5-511-12 | | |
| 8" | SKHYDR5-512-16 | | SKHYDR5-512-16V | | SKHYDR5-511-16 | | |
| 10" | SKHYDR5-512-20 | | SKHYDR5-512-20V | | SKHYDR5-511-20 | | |
| 12" | SKHYDR5-512-24 | | SKHYDR5-512-24V | | SKHYDR5-511-24 | | |
| 14" | SKHYDR5-512-28 | | SKHYDR5-512-28V | | — | | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

R5 Series Tube End Seals

**R5 Cylinders
PTFE**

| Bore Dia. | Part No. | List Price |
|-----------|----------------------------------|------------|
| 1" | HS-C221-02 | £ |
| 1-1/2" | HS-C221-03 | |
| 2" | HS-C221-04 | |
| 2-1/2" | HS-C221-05 | |
| 3-1/4" | HS-C221-065 | |
| 4" | HS-C221-08 | |
| 5" | HS-C221-10 | |
| 6" | HS-C221-12 | |
| 8" & UP | HS-C221-STRIP (sold by the foot) | |



NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

Universal Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

A5, N2, N5, R2, & R5 Cylinders (see note)

Nitrile

Fluorocarbon

**Kit Includes:**

- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal
- 2 NBR O-rings
- 2 PTFE BU Rings

**Kit Includes:**

- 1 FC Wiper
- 1 PTFE BU Ring
- 1 FC U-seal
- 2 FC O-rings
- 2 PTFE BU Rings

| Rod Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price |
|----------|-----------------|------------|------------------|------------|
| 5/8" | SKHYDN25-665-05 | £ | SKHYDN25-665-05V | £ |
| 1" | SKHYDN25-665-08 | | SKHYDN25-665-08V | |
| 1-3/8" | SKHYDN25-665-11 | | SKHYDN25-665-11V | |
| 1-3/4" | SKHYDN25-665-14 | | SKHYDN25-665-14V | |
| 2" | SKHYDN25-665-16 | | SKHYDN25-665-16V | |
| 2-1/2" | SKHYDN25-665-20 | | SKHYDN25-665-20V | |

Note: Rod Seal Kits are good for all cylinders except R2/R5 1" Bore x All Rods, 1-1/2" Bore x 1" Rod, and 2" Bore x 1-3/8" Rod.

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

Universal Gland Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

A5, N2, N5, R2, & R5 Cylinders (see note)

Nitrile

Fluorocarbon

Bushing



Kit Includes:

- 1 Iron Bushing
- 1 Spacer
- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal
- 1 PTFE Back-up ring
- 1 NBR O-ring

Kit Includes:

- 1 Iron Bushing
- 1 Spacer
- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC U-seal
- 1 PTFE Back-up ring
- 1 FC O-ring

Kit Includes:

- 1 Iron Bushing
- 1 Spacer

| Rod Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price | Part No. | List Price |
|----------|---------------|------------|--------------|------------|-------------|------------|
| 5/8" | HN5-665-05 | £ | HN5-665-05V | £ | HN5-655-05 | £ |
| 1" | HN5-665-08 | | HN5-665-08V | | HN5-655-08 | |
| 1-3/8" | HN5-665-11 | | HN5-665-11V | | HN5-655-11 | |
| 1-3/4" | HN5-665-14 | | HN5-665-14V | | HN5-655-14 | |
| 2" | HN5-665-16 | | HN5-665-16V | | HN5-655-16 | |
| 2-1/2" | HN5-665-20 | | HN5-665-20V | | HN5-655-20 | |
| 3" | HN5-665-24 | | HN5-665-24V | | HN5-655-24 | |
| 3-1/2" | HN5-665-28 | | HN5-665-28V | | HN5-655-28 | |
| 4" | HN5-665-32 | | HN5-665-32V | | HN5-655-32 | |
| 4-1/2" | HN5-665-36 | | HN5-665-36V | | HN5-655-36 | |
| 4-1/2" | HN5-665-36A | | HN5-665-36AV | | HN5-655-36A | |
| 5" | HN5-665-40 | | HN5-665-40V | | HN5-655-40 | |
| 5-1/2" | HN5-665-44 | | HN5-665-44V | | HN5-655-44 | |

Note: Gland Seal Kits are good for all cylinders with some exceptions. Call with series, rod & bore size for more information.

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE FROM FPE

Universal Piston Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

| | | Nitrile | N2 & N5 Cylinders Fluorocarbon | Piston Ring | | |
|-----------|------------------|---|---|--|------------------|------------|
| | |  |  |  | | |
| | | Kit Includes: 2 NBR U-seals 2 URE Back-up Rings 4 PTFE Tube End Seals | Kit Includes: 2 FC U-seals 2 PTFE Back-up Rings 4 PTFE Tube End Seals | Kit Includes: 4 Cast Iron Piston Rings 4 PTFE Tube End Seals | | |
| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price | (PR) Kit No. | List Price |
| 1-1/2" | SKHYDN25-512-03 | £ | SKHYDN25-512-03V | £ | SKHYDN25-511-03 | £ |
| 2" | SKHYDN25-512-04 | | SKHYDN25-512-04V | | SKHYDN25-511-04 | |
| 2-1/2" | SKHYDN25-512-05 | | SKHYDN25-512-05V | | SKHYDN25-511-05 | |
| 3-1/4" | SKHYDN25-512-065 | | SKHYDN25-512-065V | | SKHYDN25-511-065 | |
| 4" | SKHYDN25-512-08 | | SKHYDN25-512-08V | | SKHYDN25-511-08 | |
| 5" | SKHYDN25-512-10 | | SKHYDN25-512-10V | | SKHYDN25-511-10 | |
| 6" | SKHYDN25-512-12 | | SKHYDN25-512-12V | | SKHYDN25-511-12 | |
| 7" | SKHYDN25-512-14 | | SKHYDN25-512-14V | | SKHYDN25-511-14 | |
| 8" | SKHYDN25-512-16 | | SKHYDN25-512-16V | | SKHYDN25-511-16 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **HYDRO-LINE** FROM FPE

Universal Captive Cushion Adjustment Seal

A,N & R Cylinders

| Part No. | I.D. X C.S. | List Price |
|------------|---------------|------------|
| HS-C408-1 | 0.204 X 0.072 | £ |
| HS-C408-1V | 0.204 X 0.072 | |
| HS-C408-2 | 0.298 X 0.072 | |
| HS-C408-2V | 0.298 X 0.072 | |
| HS-C408-3 | 0.420 X 0.072 | |
| HS-C408-3V | 0.420 X 0.072 | |
| HS-C408-4 | 0.542 X 0.072 | |
| HS-C408-4V | 0.542 X 0.072 | |



Used on Captive Cushion Adjustment Valves for precise adjustment under pressure over a broad range of operating conditions. Available in both 90A material - Nitrile and Fluorocarbon.

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE
Rod Kit, Iron Gland

| | |
|--|-----|
| Star Bushing - A, J, & H Cylinders | .23 |
| Pneumatic - A & C Cylinders | .24 |
| Hydraulic - AJ, J, M & H Cylinders | .25 |

Star Rod Kits

| | |
|---------------------------|-----|
| A, J, & H Cylinders | .26 |
|---------------------------|-----|

Rod Cage Assembly

| | |
|-----------------|-----|
| Hydraulic | .27 |
|-----------------|-----|

Hat Packing

| | |
|----------------------|-----|
| PTFE & Nitrile | .28 |
|----------------------|-----|

PTFE Wiper

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| "U" Style - A, C, J, M, & H Cylinders | .29 |
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Iron Gland

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| Star Bushing Style for A, J, & H Cylinders - Retainer Held & Bolted | .30 |
| A, C, J, M, & H Cylinders - Retainer Held & Bolted | .31 |

Retainer

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| A, C, J, M, & H Cylinders | .32 |
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Caged Assembly Components

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| Rod Seal Cage, Wave Spring, & Bronze Pressure Ring | .32 |
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Piston Kits

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| A, J, & H Series Cylinders | .33 |
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Piston Kits

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| HV Series Cylinders | .34 |
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Tube Seal Cord

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| A, C, J, M, & H Cylinders | .34 |
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Piston U-Seals

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| All Current Style Cylinders | .35 |
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Wear Rings

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| Air & Hydraulic Service | .36 |
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PTFE Tube End Seals

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| Continuous | .37 |
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Follower Seals

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| PTFE | .37 |
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PTFE Tube End Seals

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| Strip | .38 |
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Piston Cups

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| A, AJ, J, JW, H, & HW Cylinders | .39 |
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The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **MILLER** FROM FPE

Star Bushing Rod Kit, Iron Gland

A, J, & H Cylinders

1998 Style Retainer Held**1998 Style Bolted**



Kit Includes:
1 XNBR Wiper
1 Retainer Held Star Bushing
1 URE Rod Seal
1 NBR O-ring



Kit Includes:
1 XNBR Wiper
1 Bolted Star Bushing
1 URE Rod Seal
1 NBR O-ring

| Rod Dia. | Kit No. | List Price | Kit No. | List Price |
|----------|---------------------|------------|---------------------|------------|
| 5/8" | SKMLR-051-KR074-063 | £ | SKMLR-051-KR075-063 | £ |
| 1" | SKMLR-051-KR074-100 | | SKMLR-051-KR075-100 | |
| 1-3/8" | SKMLR-051-KR074-138 | | SKMLR-051-KR075-138 | |
| 1-3/4" | — | | SKMLR-051-KR075-175 | |
| 2" | — | | SKMLR-051-KR075-200 | |
| 2-1/2" | — | | SKMLR-051-KR075-250 | |
| 3" | — | | SKMLR-051-KR075-300 | |
| 3-1/2" | — | | SKMLR-051-KR075-350 | |
| 4" | — | | SKMLR-051-KR075-400 | |
| 4-1/2" | — | | SKMLR-051-KR075-450 | |
| 5" | — | | SKMLR-051-KR075-500 | |
| 5-1/2" | — | | SKMLR-051-KR075-550 | |

Bolted bushings from: 5/8" to 1-3/4" have 4 bolt holes
2" to 4-1/2" have 8 bolt holes
5" to 5-1/2" have 12 bolt holes

NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **MILLER** FROM FPE

NON - OEM REPLACEMENT KITS FOR MILLER

Pneumatic Rod Kit, Iron Gland

A & C Cylinders

Retainer Held
Bolted



Kit Includes:
 1 PTFE Wiper
 1 Retainer Held Iron Gland
 1 NBR Hat Packing



Kit Includes:
 1 PTFE Wiper
 1 Bolted Iron Gland
 1 NBR Hat Packing

| Rod Dia. | Kit No. | List Price | Kit No. | List Price |
|----------|-------------------|------------|-------------------|------------|
| 5/8" | MLR-051-KR010-063 | £ | MLR-051-KR011-063 | £ |
| 1" | MLR-051-KR010-100 | | MLR-051-KR011-100 | |
| 1-3/8" | MLR-051-KR010-138 | | MLR-051-KR011-138 | |
| 1-3/4" | MLR-051-KR010-175 | | MLR-051-KR011-175 | |
| 2" | MLR-051-KR010-200 | | MLR-051-KR011-200 | |
| 2-1/2" | MLR-051-KR010-250 | | MLR-051-KR011-250 | |
| 3" | MLR-051-KR010-300 | | MLR-051-KR011-300 | |

Bolted bushings from: 5/8" to 1-3/4" have 4 bolt holes
 2" to 4-1/2" have 8 bolt holes
 5" to 5-1/2" have 12 bolt holes

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **MILLER** FROM FPE

Hydraulic Rod Kit, Iron Gland

NON - OEM REPLACEMENT KITS FOR MILLER

AJ, J, M, & H Cylinders

Retainer Held



- Kit Includes:**
- 1 PTFE Wiper
 - 1 Retainer Held Iron Gland
 - 1 PTFE Hat Packing
 - 1 Bronze Pressure Ring
 - 1 Wave Spring
 - 1 Cage

Bolted



- Kit Includes:**
- 1 PTFE Wiper
 - 1 Bolted Iron Gland
 - 1 PTFE Hat Packing
 - 1 Bronze Pressure Ring
 - 1 Wave Spring
 - 1 Cage

| Rod Dia. | Kit No. | List Price | Kit No. | List Price |
|----------|-------------------|------------|-------------------|------------|
| 5/8" | MLR-051-KR014-063 | £ | MLR-051-KR015-063 | £ |
| 1" | MLR-051-KR014-100 | | MLR-051-KR015-100 | |
| 1-3/8" | MLR-051-KR014-138 | | MLR-051-KR015-138 | |
| 1-3/4" | MLR-051-KR014-175 | | MLR-051-KR015-175 | |
| 2" | MLR-051-KR014-200 | | MLR-051-KR015-200 | |
| 2-1/2" | MLR-051-KR014-250 | | MLR-051-KR015-250 | |
| 3" | MLR-051-KR014-300 | | MLR-051-KR015-300 | |

Bolted bushings from: 5/8" to 1-3/4" have 4 bolt holes
 2" to 4-1/2" have 8 bolt holes
 5" to 5-1/2" have 12 bolt holes

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **MILLER** FROM FPE**Star Rod Kits****A, J, & H Cylinders
Star Kits**

| Rod Dia. | Kit No. | List Price |
|----------|-------------------|------------|
| 5/8" | MLR-051-KR080-063 | £ |
| 1" | MLR-051-KR080-100 | |
| 1-3/8" | MLR-051-KR080-138 | |
| 1-3/4" | MLR-051-KR080-175 | |
| 2" | MLR-051-KR080-200 | |
| 2-1/2" | MLR-051-KR080-250 | |
| 3" | MLR-051-KR080-300 | |
| 3-1/2" | MLR-051-KR080-350 | |
| 4" | MLR-051-KR080-400 | |
| 4-1/2" | MLR-051-KR080-450 | |
| 5" | MLR-051-KR080-500 | |
| 5-1/2" | MLR-051-KR080-550 | |

**Kit Includes:**

- 1 XNBR Wiper
- 1 URE Rod Seal
- 1 NBR O-ring

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **MILLER** FROM FPE

Hydraulic Rod Seal Cage Assembly

AJ, J, M, & H Cylinders



Kit Includes:

- 1 PTFE Wiper
- 1 PTFE Hat Packing
- 1 Bronze Pressure Ring
- 1 Wave Spring
- 1 Cage

Boosters & Tandems



Kit Includes:

- 1 PTFE Hat Packing
- 1 Bronze Pressure Ring
- 1 Wave Spring
- 1 Cage
- No Wiper

| Rod Dia. | Kit No. | List Price | Kit No. | List Price |
|----------|-------------------|------------|-------------------|------------|
| 5/8" | MLR-051-KR012-063 | £ | MLR-051-KR024-063 | £ |
| 1" | MLR-051-KR012-100 | | MLR-051-KR024-100 | |
| 1-3/8" | MLR-051-KR012-138 | | MLR-051-KR024-138 | |
| 1-3/4" | MLR-051-KR012-175 | | MLR-051-KR024-175 | |
| 2" | MLR-051-KR012-200 | | MLR-051-KR024-200 | |
| 2-1/2" | MLR-051-KR012-250 | | MLR-051-KR024-250 | |
| 3" | MLR-051-KR012-300 | | MLR-051-KR024-300 | |

NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Hat Packing

**For Hydraulic Service
PTFE**

**For Air & Water Service
Nitrile**


| Rod Dia. | Part No. | List Price | Part No. | List Price |
|----------|--------------------|------------|-------------------|------------|
| 5/8" | MLR-051-RS007-063 | £ | MLR-051-RS014-063 | £ |
| 1" | MLR-051-RS007-100 | | MLR-051-RS014-100 | |
| 1-3/8" | MLR-051-RS007-138 | | MLR-051-RS014-138 | |
| 1-3/4" | MLR-051-RS007-175 | | MLR-051-RS014-175 | |
| 2" | MLR-051-RS007-200 | | MLR-051-RS014-200 | |
| 2-1/2" | MLR-051-RS007-250 | | MLR-051-RS014-250 | |
| 3" | MLR-051-RS007-300 | | MLR-051-RS014-300 | |
| 3-1/2" | MLR-051-RS007-350 | | MLR-051-RS014-350 | |
| 4" | MLR-051-RS007-400 | | MLR-051-RS014-400 | |
| 4-1/2" | MLR-051-RS007-450 | | MLR-051-RS014-450 | |
| 5" | MLR-051-RS007-500 | | MLR-051-RS014-500 | |
| 5-1/2" | MLR-051-RS007-550 | | MLR-051-RS014-550 | |
| 7" | MLR-051-RS007-700 | | - | |
| 8" | MLR-051-RS007-800 | | - | |
| 9" | MLR-051-RS007-900 | | - | |
| 10" | MLR-051-RS007-1000 | | - | |

NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

PTFE Wiper "U" Style

A, C, J, M, & H Cylinders

| Rod Dia. | Part No. | List Price |
|----------|--------------------|------------|
| 5/8" | MLR-051-WP001-063 | £ |
| 1" | MLR-051-WP001-100 | |
| 1-3/8" | MLR-051-WP001-138 | |
| 1-3/4" | MLR-051-WP001-175 | |
| 2" | MLR-051-WP001-200 | |
| 2-1/2" | MLR-051-WP001-250 | |
| 3" | MLR-051-WP001-300 | |
| 3-1/2" | MLR-051-WP001-350 | |
| 4" | MLR-051-WP001-400 | |
| 4-1/2" | MLR-051-WP001-450 | |
| 5" | MLR-051-WP001-500 | |
| 5-1/2" | MLR-051-WP001-550 | |
| 7" | MLR-051-WP001-700 | |
| 8" | MLR-051-WP001-800 | |
| 9" | MLR-051-WP001-900 | |
| 10" | MLR-051-WP001-1000 | |



NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE
Iron Gland
NON - OEM REPLACEMENT KITS FOR MILLER
Star Bushing Style A, J, & H Cylinders
Retainer Held

Bolted


| Rod Dia. | Part No. | List Price | Part No. | List Price |
|----------|-------------------|------------|-------------------|------------|
| 5/8" | MLR-050-BU100-063 | £ | MLR-050-BU101-063 | £ |
| 1" | MLR-050-BU100-100 | | MLR-050-BU101-100 | |
| 1-3/8" | MLR-050-BU100-138 | | MLR-050-BU101-138 | |
| 1-3/4" | — | | MLR-050-BU101-175 | |
| 2" | — | | MLR-050-BU101-200 | |
| 2-1/2" | — | | MLR-050-BU101-250 | |
| 3" | — | | MLR-050-BU101-300 | |
| 3-1/2" | — | | MLR-050-BU101-350 | |
| 4" | — | | MLR-050-BU101-400 | |
| 4-1/2" | — | | MLR-050-BU101-450 | |
| 5" | — | | MLR-050-BU101-500 | |
| 5-1/2" | — | | MLR-050-BU101-550 | |

Bolted bushings from: 5/8" to 1-3/4" have 4 bolt holes
 2" to 4-1/2" have 8 bolt holes
 5" to 5-1/2" have 12 bolt holes

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Iron Gland

A, C, J, M, & H Cylinders

Retainer Held

Bolted



| Rod Dia. | Part No. | List Price | Part No. | List Price |
|----------|-------------------|------------|-------------------|------------|
| 5/8" | MLR-050-BU022-063 | £ | MLR-050-BU024-063 | £ |
| 1" | MLR-050-BU022-100 | | MLR-050-BU024-100 | |
| 1-3/8" | MLR-050-BU022-138 | | MLR-050-BU024-138 | |
| 1-3/4" | MLR-050-BU022-175 | | MLR-050-BU024-175 | |
| 2" | MLR-050-BU022-200 | | MLR-050-BU024-200 | |
| 2-1/2" | MLR-050-BU022-250 | | MLR-050-BU024-250 | |
| 3" | MLR-050-BU022-300 | | MLR-050-BU024-300 | |

Bolted bushings from: 5/8" to 1-3/4" have 4 bolt holes
 2" to 4-1/2" have 8 bolt holes
 5" to 5-1/2" have 12 bolt holes

NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Retainer

A, C, J, M, & H Cylinders

| Rod Dia. | Part No. | List Price |
|----------|-------------------|------------|
| 5/8" | MLR-050-RT005-063 | £ |
| 1" | MLR-050-RT005-100 | |
| 1-3/8" | MLR-050-RT005-138 | |



For Caged Assemblies

Rod Seal Cage
Wave Spring
Bronze Pressure Ring


| Rod Dia. | Part No. | List Price | Part No. | List Price | Part No. | List Price |
|----------|-------------------|------------|-------------------|------------|-------------------|------------|
| 5/8" | MLR-051-CG001-063 | £ | MLR-051-WS004-063 | £ | MLR-051-PG001-063 | £ |
| 1" | MLR-051-CG001-100 | | MLR-051-WS004-100 | | MLR-051-PG001-100 | |
| 1-3/8" | MLR-051-CG001-138 | | MLR-051-WS004-138 | | MLR-051-PG001-138 | |
| 1-3/4" | MLR-051-CG001-175 | | MLR-051-WS004-175 | | MLR-051-PG001-175 | |
| 2" | MLR-051-CG001-200 | | MLR-051-WS003-200 | | MLR-051-PG001-200 | |
| 2-1/2" | MLR-051-CG001-250 | | MLR-051-WS003-250 | | MLR-051-PG001-250 | |
| 3" | MLR-051-CG001-300 | | MLR-051-WS003-300 | | MLR-051-PG001-300 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Piston Kits

NON - OEM REPLACEMENT KITS FOR MILLER

A Series Cylinders

January '82 to Current



Kit Includes:

- 2 NBR U-seals
- 1 Wear Ring
- 2 PTFE Tube End Seals
(wear ring material and profile varies with size)

J Series Cylinders

January '81 to Current



Kit Includes:

- 2 U-seals (PTFE up to 5", NBR from 6" to 12")
- 1 Wear Ring
- 2 PTFE Tube End Seals
(wear ring and u-seal material and profile varies with size)

H Series Cylinders

January '82 to Current



Kit Includes:

- 2 PTFE U-seals
- 1 T-Shape Wear Ring
- 2 PTFE Tube End Seals
(wear ring material varies with size)

| Bore Dia. | Kit No. | List Price | Kit No. | List Price | Kit No. | List Price |
|-----------|--------------------|------------|--------------------|------------|--------------------|------------|
| 1-1/2" | MLR-090-KB001-150 | £ | MLR-091-KB001-150 | £ | MLR-171-KB001-150 | £ |
| 2" | MLR-090-KB001-200 | | MLR-091-KB001-200 | | MLR-171-KB001-200 | |
| 2-1/2" | MLR-090-KB001-250 | | MLR-091-KB001-250 | | MLR-171-KB001-250 | |
| 3-1/4" | MLR-090-KB001-325 | | MLR-091-KB001-325 | | MLR-171-KB001-325 | |
| 4" | MLR-090-KB001-400 | | MLR-091-KB001-400 | | MLR-171-KB001-400 | |
| 5" | MLR-090-KB001-500 | | MLR-091-KB001-500 | | MLR-171-KB001-500 | |
| 6" | MLR-090-KB001-600 | | MLR-091-KB001-600 | | MLR-171-KB001-600 | |
| 7" | MLR-090-KB001-700 | | MLR-091-KB001-700 | | MLR-171-KB001-700 | |
| 8" | MLR-090-KB001-800 | | MLR-091-KB001-800 | | MLR-171-KB001-800 | |
| 10" | MLR-090-KB001-1000 | | MLR-091-KB001-1000 | | MLR-171-KB001-1000 | |
| 12" | MLR-090-KB001-1200 | | MLR-091-KB001-1200 | | MLR-171-KB001-1200 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Piston Kits

HV Series Cylinders Urethane

| Bore Dia. | (URE) Kit No. | List Price |
|-----------|-------------------|------------|
| 1-1/2" | MLR-181-KB001-150 | £ |
| 2" | MLR-181-KB001-200 | |
| 2-1/2" | MLR-181-KB001-250 | |
| 3-1/4" | MLR-181-KB001-325 | |
| 4" | MLR-181-KB001-400 | |
| 5" | MLR-181-KB001-500 | |
| 6" | MLR-181-KB001-600 | |
| 7" | MLR-181-KB001-700 | |
| 8" | MLR-181-KB001-800 | |


Kit Includes:

- 1 URE Piston Seal
- 1 Wear Ring
- 2 PTFE Tube End Seals

PTFE Tube Seal Cord

A, C, J, M, & H Cylinders



| Part No. | Radial Wall | Width | List Price |
|---------------------------------------|-------------|-------|------------|
| MLR-008-SH001 | .030 | .070 | £ |
| Includes: 30' spool of PTFE Head Seal | | | |
| MLR-SH1-SH001 | .030 | .070 | £ |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Piston U-seals

All Current Style Cylinders

Buna-N

PTFE



| Bore Dia. | Part No. | List Price | Part No. | List Price |
|-----------|--------------------|------------|--------------------|------------|
| 1-1/2" | MLR-052-PS025-150 | £ | MLR-052-PS017-150 | £ |
| 2" | MLR-052-PS025-200 | | MLR-052-PS017-200 | |
| 2-1/2" | MLR-052-PS025-250 | | MLR-052-PS017-250 | |
| 3-1/4" | MLR-052-PS025-325 | | MLR-052-PS017-325 | |
| 4" | MLR-052-PS025-400 | | MLR-052-PS017-400 | |
| 5" | MLR-052-PS025-500 | | MLR-052-PS017-500 | |
| 6" | MLR-052-PS025-600 | | MLR-052-PS017-600 | |
| 7" | MLR-052-PS025-700 | | MLR-052-PS017-700 | |
| 8" | MLR-052-PS016-800 | | MLR-052-PS017-800 | |
| 10" | MLR-052-PS025-1000 | | MLR-052-PS017-1000 | |
| 12" | MLR-052-PS016-1200 | | MLR-052-PS017-1200 | |
| 14" | MLR-052-PS025-1400 | | MLR-052-PS017-1400 | |
| 16" | MLR-052-PS025-1600 | | MLR-052-PS017-1600 | |
| 18" | - | | MLR-052-PS017-1800 | |
| 20" | - | | MLR-052-PS017-2000 | |

NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE
Wear Rings
NON - OEM REPLACEMENT KITS FOR MILLER

| Air Service PTFE | | | Hydraulic Service Acetal | | Hydraulic Service Bronze | |
|---|-----------------------|------------|---|------------|---|------------|
|  | | |  | |  | |
| Bore Dia. | Part No. | List Price | Part No. | List Price | Part No. | List Price |
| 1-1/2" | MLR-052-WR005-150-25 | £ | MLR-052-WR009-150-25 | £ | — | £ |
| 2" | MLR-052-WR005-200-25 | | MLR-052-WR009-200-25 | | — | |
| 2" | — | | MLR-052-WR009-200-31 | | — | |
| 2-1/2" | MLR-052-WR005-250-25 | | MLR-052-WR009-250-25 | | — | |
| 2-1/2" | — | | MLR-052-WR009-250-38 | | — | |
| 3-1/4" | MLR-052-WR005-325-25 | | MLR-052-WR009-325-25 | | — | |
| 3-1/4" | — | | MLR-052-WR009-325-50 | | — | |
| 4" | MLR-052-WR005-400-25 | | MLR-052-WR009-400-25 | | — | |
| 4" | — | | MLR-052-WR009-400-63 | | — | |
| 5" | MLR-052-WR005-500-25 | | — | | — | |
| 5" | — | | MLR-052-WR009-500-75 | | — | |
| 6" | MLR-052-WR005-600-25 | | — | | — | |
| 6" | — | | MLR-052-WR009-600-75 | | — | |
| 7" | MLR-052-WR005-700-38 | | — | | — | |
| 7" | — | | — | | MLR-052-WR008-700-75 | |
| 8" | MLR-052-WR005-800-38 | | — | | — | |
| 8" | — | | — | | MLR-052-WR008-800-75 | |
| 10" | MLR-052-WR005-1000-38 | | — | | — | |
| 10" | — | | — | | MLR-052-WR008-1000-125 | |
| 12" | MLR-052-WR005-1200-38 | | — | | — | |
| 12" | — | | — | | MLR-052-WR008-1200-125 | |
| 16" | MLR-052-WR005-1600-50 | | — | | — | |
| 18" | MLR-052-WR005-1800-50 | | — | | — | |
| 20" | MLR-052-WR005-2000-50 | | — | | — | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **MILLER** FROM FPE

Tube End Seals

| Continuous PTFE | | | | |
|---|--------------------|------------|--|------------|
| A, C, J, M, ER500, & ER3000 | | | H & ER6000 | |
|  | | |  | |
| Bore Dia. | Part No. | List Price | Part No. | List Price |
| 1-1/2" | MLR-090-ES009-150 | £ | MLR-170-ES010-150 | £ |
| 2" | MLR-090-ES009-200 | | MLR-170-ES010-200 | |
| 2-1/2" | MLR-090-ES009-250 | | MLR-170-ES010-250 | |
| 3-1/4" | MLR-090-ES009-325 | | MLR-170-ES010-325 | |
| 4" | MLR-090-ES009-400 | | MLR-170-ES010-400 | |
| 5" | MLR-090-ES009-500 | | MLR-170-ES010-500 | |
| 6" | MLR-090-ES009-600 | | MLR-170-ES010-600 | |
| 7" | MLR-090-ES009-700 | | MLR-170-ES010-700 | |
| 8" | MLR-090-ES009-800 | | MLR-170-ES010-800 | |
| 10" | MLR-090-ES009-1000 | | MLR-170-ES010-1000 | |
| 12" | MLR-090-ES009-1200 | | MLR-170-ES010-1200 | |
| 14" | MLR-090-ES009-1400 | | - | |

PTFE Follower Seals

| J & H Cylinders From 1956-1977 | | | | | | | |
|-----------------------------------|----------|-----------------|--|-------|-------------|-------|------------|
| Part No. | Bore | | | I.D. | Radial Wall | Width | List Price |
| | H | J | | | | | |
| MLR-052-FS001-44 | 1-1/2 | 1-1/2, 2, 2-1/2 | | 7-16 | .07 | .07 | £ |
| MLR-052-FS001-75 | 2, 2-1/2 | 3-1/4, 4, 5 | | 3/4 | .07 | .07 | |
| MLR-052-FS001-100 | 3-1/4 | 6, 7, 8 | | 1 | .14 | .14 | |
| MLR-052-FS001-125 | 4 | 10 | | 1-1/4 | .14 | .14 | |
| MLR-052-FS001-150 | 5 | 12 | | 1-1/2 | .14 | .14 | |
| MLR-052-FS001-188 | 6 | 14 | | 1-7/8 | .14 | .14 | |
| MLR-052-FS001-250 | 8 | - | | 2-1/2 | .14 | .14 | |



Various Kits

| Kit No. | Bore | List Price | Kit Includes: 2 Leather Piston Cups 1 PTFE Follower Seal 2 PTFE Tube End Seals |
|-------------------|--------|------------|--|
| MLR-150-KB001-325 | 3-1/4" | £ | |
| MLR-150-KB001-500 | 5" | | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE
Tube End Seals
NON - OEM REPLACEMENT KITS FOR MILLER
Strip PTFE
A, C, J, M, ER500, & ER3000
H & ER6000


| Bore Dia. | Part No. | List Price | Part No. | List Price |
|-----------|--------------------|------------|--------------------|------------|
| 1-1/2" | MLR-090-ES006-150 | £ | MLR-170-ES006-150 | £ |
| 2" | MLR-090-ES006-200 | | MLR-170-ES006-200 | |
| 2-1/2" | MLR-090-ES006-250 | | MLR-170-ES006-250 | |
| 3-1/4" | MLR-090-ES006-325 | | MLR-170-ES006-325 | |
| 4" | MLR-090-ES006-400 | | MLR-170-ES006-400 | |
| 5" | MLR-090-ES006-500 | | MLR-170-ES006-500 | |
| 6" | MLR-090-ES006-600 | | MLR-170-ES006-600 | |
| 7" | MLR-090-ES006-700 | | MLR-170-ES006-700 | |
| 8" | MLR-090-ES006-800 | | MLR-170-ES006-800 | |
| 10" | MLR-090-ES006-1000 | | MLR-170-ES006-1000 | |
| 12" | MLR-090-ES006-1200 | | MLR-170-ES006-1200 | |
| 14" | MLR-090-ES006-1400 | | MLR-170-ES006-1400 | |
| 18" | - | | MLR-170-ES006-1800 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR MILLER FROM FPE

Piston Cups

| A, JW, & HW Cylinders From 1956-1977 Nitrile | | | J & H Cylinders From 1956-1977 Leather | | AJ, J, & H Cylinders From 1956-1977 PTFE | |
|---|--------------------|------------|---|------------|---|------------|
|  | | |  | |  | |
| Bore Dia. | Part No. | List Price | Part No. | List Price | Part No. | List Price |
| 1-1/2" | MLR-052-PS001-150 | £ | MLR-052-PS003-150 | £ | MLR-052-PS006-150 | £ |
| 2" | MLR-052-PS001-200 | | MLR-052-PS003-200 | | MLR-052-PS006-200 | |
| 2-1/2" | MLR-052-PS001-250 | | MLR-052-PS003-250 | | MLR-052-PS006-250 | |
| 3-1/4" | MLR-052-PS001-325 | | MLR-052-PS003-325 | | MLR-052-PS006-325 | |
| 4" | MLR-052-PS001-400 | | MLR-052-PS003-400 | | MLR-052-PS006-400 | |
| 5" | MLR-052-PS001-500 | | MLR-052-PS003-500 | | MLR-052-PS006-500 | |
| 6" | MLR-052-PS001-600 | | MLR-052-PS003-600 | | MLR-052-PS006-600 | |
| 7" | — | | — | | MLR-052-PS006-700 | |
| 8" | MLR-052-PS001-800 | | — | | MLR-052-PS006-800 | |
| 10" | MLR-052-PS001-1000 | | — | | MLR-052-PS006-1000 | |
| 12" | MLR-052-PS001-1200 | | — | | MLR-052-PS006-1200 | |
| 14" | MLR-052-PS001-1400 | | — | | — | |

NON - OEM REPLACEMENT KITS FOR MILLER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE**Rod Gland Kits**

A, 2A, H, 2H, VH, L, 2L, 3L, HMI, MA & 2MA Cylinders41 - 45

Rod Kits

A, 2A, H, 2H, VH, L, 2L, 3L, HMI, MA & 2MA Cylinders46 - 50

Bronze Rod Glands

A, 2A, H, 2H, VH, L, 2L, 3L, HMI, MA, 2MA Air & Hydraulic Cylinders51 - 52

Rod & Piston Seal Kits

MA Air Cylinders53

Piston Kits

HL, 2HL, L, LL, 2LL, & 3LL Hydraulic Cylinders,

1A & 2A Air Cylinders, 2MA & 2ML Cylinders,

L, 2L, 3L, H, 2H, HD & VH Cylinders54 - 60

Piston Ring Kits

H, 2H, L, 2L, & 3L Hydraulic Cylinders61

Piston Head Seal Kits

2A, 2H, 3L, VH, HMI, 2MA & ML Cylinders62 - 63

Miscellaneous Kits64**The Hydraulic Seal Specialists**

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Rod Gland Kits

A, 2A, H, 2H, VH, L, 2L, & 3L Cylinders

Nitrile

Fluorocarbon



1/2" - 3"

Kit Includes:

- 1 Bronze Gland
- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal

3-1/2" - 5-1/2"

Kit Includes:

- 1 Bronze Gland
- 1 XNBR Wiper
- 1 NBR Energised U-seal
- 1 NBR O-ring

1/2" - 3"

Kit Includes:

- 1 Bronze Gland
- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC U-seal
- 1 FC O-ring

3-1/2" - 5-1/2"

Kit Includes:

- 1 Bronze Gland
- 1 FC Wiper
- 1 FC Energised U-seal
- 1 FC O-ring

| Rod Dia. | Kit No. | Reference | List Price | Kit No. | Reference | List Price |
|----------|-----------------|------------|------------|-----------------|------------|------------|
| 1/2" | SKPARRG2AHL0051 | RG2AHL0051 | £ | SKPARRG2AHL0055 | RG2AHL0055 | £ |
| 5/8" | SKPARRG2AHL0061 | RG2AHL0061 | | SKPARRG2AHL0065 | RG2AHL0065 | |
| 1" | SKPARRG2AHL0101 | RG2AHL0101 | | SKPARRG2AHL0105 | RG2AHL0105 | |
| 1-3/8" | SKPARRG2AHL0131 | RG2AHL0131 | | SKPARRG2AHL0135 | RG2AHL0135 | |
| 1-3/4" | SKPARRG2AHL0171 | RG2AHL0171 | | SKPARRG2AHL0175 | RG2AHL0175 | |
| 2" | SKPARRG2AHL0201 | RG2AHL0201 | | SKPARRG2AHL0205 | RG2AHL0205 | |
| 2-1/2" | SKPARRG2AHL0251 | RG2AHL0251 | | SKPARRG2AHL0255 | RG2AHL0255 | |
| 3" | SKPARRG2AHL0301 | RG2AHL0301 | | SKPARRG2AHL0305 | RG2AHL0305 | |
| 3-1/2" | SKPARRG2AHL0351 | RG2AHL0351 | | SKPARRG2AHL0355 | RG2AHL0355 | |
| 4" | SKPARRG2AHL0401 | RG2AHL0401 | | SKPARRG2AHL0405 | RG2AHL0405 | |
| 4-1/2" | SKPARRG2AHL0451 | RG2AHL0451 | | SKPARRG2AHL0455 | RG2AHL0455 | |
| 5" | SKPARRG2AHL0501 | RG2AHL0501 | | SKPARRG2AHL0505 | RG2AHL0505 | |
| 5-1/2" | SKPARRG2AHL0551 | RG2AHL0551 | | SKPARRG2AHL0555 | RG2AHL0555 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Rod Gland Kits

2H & 3L Cylinders Urethane

**1/2" - 5-1/2"****Kit Includes:**

- 1 Bronze Gland
- 1 XNBR Wiper
- 1 Multi-lip Urethane U-Seal
- 1 NBR O-Ring

| Rod Dia. | Kit No | Reference. | List Price |
|----------|-----------------|------------|------------|
| 1/2" | SKPARRG2HLTS051 | RG2HLTS051 | £ |
| 5/8" | SKPARRG2HLTS061 | RG2HLTS061 | |
| 1" | SKPARRG2HLTS101 | RG2HLTS101 | |
| 1-3/8" | SKPARRG2HLTS131 | RG2HLTS131 | |
| 1-3/4" | SKPARRG2HLTS171 | RG2HLTS171 | |
| 2" | SKPARRG2HLTS201 | RG2HLTS201 | |
| 2-1/2" | SKPARRG2HLTS251 | RG2HLTS251 | |
| 3" | SKPARRG2HLTS301 | RG2HLTS301 | |
| 3-1/2" | SKPARRG2HLTS351 | RG2HLTS351 | |
| 4" | SKPARRG2HLTS401 | RG2HLTS401 | |
| 4-1/2" | SKPARRG2HLTS451 | RG2HLTS451 | |
| 5" | SKPARRG2HLTS501 | RG2HLTS501 | |
| 5-1/2" | SKPARRG2HLTS551 | RG2HLTS551 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Rod Gland Kits

NON - OEM REPLACEMENT KITS FOR PARKER

MA Air Cylinders

Nitrile **Fluorocarbon**

5/8" Rod Gland profile

1" & 1-3/8" Rod Gland profile



Kit Includes:

- 1 Bronze Gland
- 1 URE Wiper
- 1 PTFE Back-up Ring
- 1 NBR Multi-lip U-seal
- 1 NBR O-ring

Kit Includes:

- 1 Bronze Gland
- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC Multi-lip U-seal
- 1 FC O-ring

| Rod Dia. | Kit No | Reference. | List Price. | Kit No | Reference. | List Price |
|----------|-----------------|------------|-------------|-----------------|------------|------------|
| 5/8" | SKPARRGL6948MA1 | RGL6948MA1 | £ | SKPARRGL6948MA5 | RGL6948MA5 | £ |
| 1" | SKPARRGL6949MA1 | RGL6949MA1 | | SKPARRGL6949MA5 | RGL6949MA5 | |
| 1-3/8" | SKPARRGL6950MA1 | RGL6950MA1 | | SKPARRGL6950MA5 | RGL6950MA5 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE
Rod Gland Kits
NON - OEM REPLACEMENT KITS FOR PARKER
2MA Air Cylinders
Nitrile

1/2" - 1-3/4"
Kit Includes:

- 1 Bronze Gland
- 1 XNBR Wiper/Seal
- 1 NBR O-Ring
- 1 Tube Seal Lubricant

Fluorocarbon

1/2" - 1-3/4"
Kit Includes:

- 1 Bronze Gland
- 1 FC Wiper/Seal
- 1 FC O-Ring
- 1 Tube Seal Lubricant

| Rod Dia. | Kit No | Reference. | List Price. | Kit No | Reference. | List Price |
|----------|-----------------|------------|-------------|-----------------|------------|------------|
| 1/2" | SKPARRG02MA0051 | RG02MA0051 | £ | SKPARRG02MA0055 | RG02MA0055 | £ |
| 5/8" | SKPARRG02MA0061 | RG02MA0061 | | SKPARRG02MA0065 | RG02MA0065 | |
| 1" | SKPARRG02MA0101 | RG02MA0101 | | SKPARRG02MA0105 | RG02MA0105 | |
| 1-3/8" | SKPARRG02MA0131 | RG02MA0131 | | SKPARRG02MA0135 | RG02MA0135 | |
| 1-3/4" | SKPARRG02MA0171 | RG02MA0171 | | SKPARRG02MA0175 | RG02MA0175 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Rod Gland Kits

HMI Cylinders

Urethane



Kit Includes:

- 1 Bronze Gland
- 1 URE Wiper
- 1 URE Multi-lip U-seal
- 1 NBR O-ring

Fluorocarbon



Kit Includes:

- 1 Bronze Gland
- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC Multi-lip U-seal
- 1 FC O-ring

| Rod Dia. | Kit No. | List Price | Kit No. | List Price |
|----------|----------------|------------|----------------|------------|
| 12 mm | SKPARRG2HM0121 | £ | SKPARRG2HM0125 | £ |
| 14 mm | SKPARRG2HM0141 | | SKPARRG2HM0145 | |
| 18 mm | SKPARRG2HM0181 | | SKPARRG2HM0185 | |
| 22 mm | SKPARRG2HM0221 | | SKPARRG2HM0225 | |
| 28 mm | SKPARRG2HM0281 | | SKPARRG2HM0285 | |
| 36 mm | SKPARRG2HM0361 | | SKPARRG2HM0365 | |
| 45 mm | SKPARRG2HM0451 | | SKPARRG2HM0455 | |
| 56 mm | SKPARRG2HM0561 | | SKPARRG2HM0565 | |
| 70 mm | SKPARRG2HM0701 | | SKPARRG2HM0705 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Rod Kits

A, 2A, H, 2H, VH, L, 2L, & 3L Cylinders
Nitrile**1/2" - 3"****Kit Includes:**

- 1 XNBR Wiper
- 1 URE Back-up Ring
- 1 NBR U-seal
- 1 NBR O-ring

**3-1/2" - 5-1/2"****Kit Includes:**

- 1 XNBR Wiper
- 1 NBR Energised U-seal
- 1 NBR O-ring

Fluorocarbon

**1/2" - 3"****Kit Includes:**

- 1 FC Wiper
- 1 PTFE Back-up Ring
- 1 FC U-seal
- 1 FC O-ring

**3-1/2" - 5-1/2"****Kit Includes:**

- 1 FC Wiper
- 1 FC Energised U-seal
- 1 FC O-ring

| Rod Dia. | Kit No. | Reference | List Price | Kit No. | Reference | List Price |
|----------|-----------------|------------|------------|-----------------|------------|------------|
| 1/2" | SKPARRK2AHL0051 | RK2AHL0051 | £ | SKPARRK2AHL0055 | RK2AHL0055 | £ |
| 5/8" | SKPARRK2AHL0061 | RK2AHL0061 | | SKPARRK2AHL0065 | RK2AHL0065 | |
| 1" | SKPARRK2AHL0101 | RK2AHL0101 | | SKPARRK2AHL0105 | RK2AHL0105 | |
| 1-3/8" | SKPARRK2AHL0131 | RK2AHL0131 | | SKPARRK2AHL0135 | RK2AHL0135 | |
| 1-3/4" | SKPARRK2AHL0171 | RK2AHL0171 | | SKPARRK2AHL0175 | RK2AHL0175 | |
| 2" | SKPARRK2AHL0201 | RK2AHL0201 | | SKPARRK2AHL0205 | RK2AHL0205 | |
| 2-1/2" | SKPARRK2AHL0251 | RK2AHL0251 | | SKPARRK2AHL0255 | RK2AHL0255 | |
| 3" | SKPARRK2AHL0301 | RK2AHL0301 | | SKPARRK2AHL0305 | RK2AHL0305 | |
| 3-1/2" | SKPARRK2AHL0351 | RK2AHL0351 | | SKPARRK2AHL0355 | RK2AHL0355 | |
| 4" | SKPARRK2AHL0401 | RK2AHL0401 | | SKPARRK2AHL0405 | RK2AHL0405 | |
| 4-1/2" | SKPARRK2AHL0451 | RK2AHL0451 | | SKPARRK2AHL0455 | RK2AHL0455 | |
| 5" | SKPARRK2AHL0501 | RK2AHL0501 | | SKPARRK2AHL0505 | RK2AHL0505 | |
| 5-1/2" | SKPARRK2AHL0551 | RK2AHL0551 | | SKPARRK2AHL0555 | RK2AHL0555 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Rod Kits

H*, 2H*, 3H (7" & 8" Bore), VH, L, 2L, & 3L Cylinders Urethane

Standard seals for Series 2H*, VH, 3L, and 3H (7" and 8" Bore) manufactured after September 30, 1990.
Interchangeable seals for Series H*, 2H*, VH, L, 2L, and 3L manufactured before September 30, 1990.



1/2" - 5-1/2"

Kit Includes:

- 1 XNBR Wiper
- 1 Multi-lip Urethane U-Seal
- 1 NBR O-Ring

| Rod Dia. | Part No. | Reference | List Price |
|----------|-----------------|------------|------------|
| 1/2" | SKPARRK2HLTS051 | RK2HLTS051 | £ |
| 5/8" | SKPARRK2HLTS061 | RK2HLTS061 | |
| 1" | SKPARRK2HLTS101 | RK2HLTS101 | |
| 1-3/8" | SKPARRK2HLTS131 | RK2HLTS131 | |
| 1-3/4" | SKPARRK2HLTS171 | RK2HLTS171 | |
| 2" | SKPARRK2HLTS201 | RK2HLTS201 | |
| 2-1/2" | SKPARRK2HLTS251 | RK2HLTS251 | |
| 3" | SKPARRK2HLTS301 | RK2HLTS301 | |
| 3-1/2" | SKPARRK2HLTS351 | RK2HLTS351 | |
| 4" | SKPARRK2HLTS401 | RK2HLTS401 | |
| 4-1/2" | SKPARRK2HLTS451 | RK2HLTS451 | |
| 5" | SKPARRK2HLTS501 | RK2HLTS501 | |
| 5-1/2" | SKPARRK2HLTS551 | RK2HLTS551 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

NON - OEM REPLACEMENT KITS FOR PARKER

Rod Kits

| | | 2MA Air Cylinders | | | | |
|----------|-----------------|---|-------------|-----------------|--|------------|
| | | Nitrile | | Fluorocarbon | | |
| | |  | | |  | |
| | | <p>1/2" - 1-3/4" Kit Includes: 1 XNBR Wiper/Seal 1 NBR O-Ring 1 Tube Seal Lubricant</p> | | | <p>1/2" - 1-3/4" Kit Includes: 1 FC Wiper/Seal 1 FC O-Ring 1 Tube Seal Lubricant</p> | |
| Rod Dia. | Kit No | Reference. | List Price. | Kit No | Reference. | List Price |
| 1/2" | SKPARRK02MA0051 | RK02MA0051 | £ | SKPARRK02MA0055 | RK02MA0055 | £ |
| 5/8" | SKPARRK02MA0061 | RK02MA0061 | | SKPARRK02MA0065 | RK02MA0065 | |
| 1" | SKPARRK02MA0101 | RK02MA0101 | | SKPARRK02MA0105 | RK02MA0105 | |
| 1-3/8" | SKPARRK02MA0131 | RK02MA0131 | | SKPARRK02MA0135 | RK02MA0135 | |
| 1-3/4" | SKPARRK02MA0171 | RK02MA0171 | | SKPARRK02MA0175 | RK02MA0175 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Rod Kits

2MA Hydraulic Cylinders Urethane



1/2" - 5-1/2"

Kit Includes:

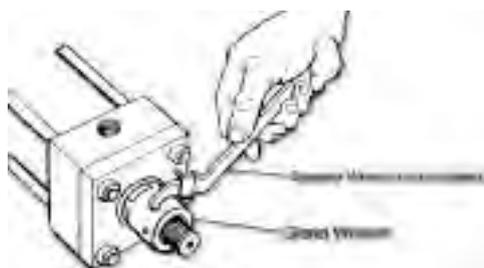
- 1 XNBR Wiper / Seal
- 1 Multi-lip Urethane U-Seal
- 1 NBR O-Ring

| Rod Dia. | Part No. | Reference | List Price |
|----------|-----------------|------------|------------|
| 5/8" | SKPARRK02ML0061 | RK02ML0061 | £ |
| 1" | SKPARRK02ML0101 | RK02ML0101 | |
| 1-3/8" | SKPARRK02ML0131 | RK02ML0131 | |
| 1-3/4" | SKPARRK02ML0171 | RK02ML0171 | |

NON - OEM REPLACEMENT KITS FOR PARKER

Gland Wrenches

Parker Gland Wrenches



| Rod Dia. | Kit No. | ID X OD X HT | List Price |
|------------------------|------------|----------------------------|------------|
| 1/2, 5/8", 12mm & 14mm | PKH-069590 | 11/16" X 1-1/8" X 1-3/8" | £ |
| 1" & 22mm | PKH-069591 | 1-1/6" X 1-5/8" X 1-1/2" | |
| 1-3/8" & 36mm | PKH-069592 | 1-7/16" X 1-7/8" X 1-5/8" | |
| 1-3/4" & 45mm | PKH-069593 | 1-13/16" X 2-1/4" X 1-5/8" | |
| 2" | PKH-069594 | 2-1/16" X 2-1/2" X 2" | |
| 2-1/2" & 56mm | PKH-069595 | 2-9/16" X 3" X 2-1/8" | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Rod Kits

NON - OEM REPLACEMENT KITS FOR PARKER

| | | HMI Cylinders | | |
|----------|----------------|---|--|------------|
| | | Urethane | Fluorocarbon | |
| | |  | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>12 - 70mm</p>  </div> <div style="text-align: center;"> <p>90 - 140mm</p>  </div> </div> | |
| | | <p>Kit Includes:</p> <ul style="list-style-type: none"> 1 URE Wiper 1 URE Multi-lip U-seal 1 NBR O-ring | <p>Kit Includes:</p> <ul style="list-style-type: none"> 1 FC Wiper 1 PTFE Back-up Ring* 1 FC Multi-lip U-seal* 1 FC O-ring | |
| Rod Dia. | Kit No. | List Price | Kit No. | List Price |
| 12 mm | SKPARRK2HM0121 | £ | SKPARRK2HM0125 | £ |
| 14 mm | SKPARRK2HM0141 | | SKPARRK2HM0145 | |
| 18 mm | SKPARRK2HM0181 | | SKPARRK2HM0185 | |
| 22 mm | SKPARRK2HM0221 | | SKPARRK2HM0225 | |
| 28 mm | SKPARRK2HM0281 | | SKPARRK2HM0285 | |
| 36 mm | SKPARRK2HM0361 | | SKPARRK2HM0365 | |
| 45 mm | SKPARRK2HM0451 | | SKPARRK2HM0455 | |
| 56 mm | SKPARRK2HM0561 | | SKPARRK2HM0565 | |
| 70 mm | SKPARRK2HM0701 | | SKPARRK2HM0705 | |
| 90 mm | SKPARRK2HM0901 | | SKPARRK2HM0905 | |
| 110 mm | SKPARRK2HM1101 | | SKPARRK2HM1105 | |
| 140 mm | SKPARRK2HM1401 | | SKPARRK2HM1405 | |

* 90, 110 & 140mm Fluorocarbon kits use (1) FC Single Lip Rod U-seal w/ a Bronze/PTFE ID back-up ring.

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Bronze Rod Glands

NON - OEM REPLACEMENT KITS FOR PARKER

MA Air Cylinders

5/8" Rod Gland Profile



| Rod Dia. | Part No. | Reference | List Price |
|----------|--------------|-----------|------------|
| 5/8" | SKPARRGMA-06 | RGMA-06 | £ |
| 1" | SKPARRGMA-10 | RGMA-10 | |
| 1-3/8" | SKPARRGMA-13 | RGMA-13 | |

1" & 1-3/8" Rod Gland Profile



2MA Air Cylinders



| Rod Dia. | Part No. | Reference | List Price |
|----------|----------------|-----------|------------|
| 1/2" | SKPARRG02MA-05 | RG02MA-05 | £ |
| 5/8" | SKPARRG02MA-06 | RG02MA-06 | |
| 1" | SKPARRG02MA-10 | RG02MA-10 | |
| 1-3/8" | SKPARRG02MA-13 | RG02MA-13 | |
| 1-3/4" | SKPARRG02MA-17 | RG02MA-17 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE**Bronze Rod Glands**

A, 2A, H, 2H, VH, L, 2L, & 3L Air and Hydraulic Cylinders



| Rod Dia. | Part No. | Reference | List Price |
|----------|------------|-----------|------------|
| 1/2" | SKPARRG-05 | RG-05 | £ |
| 5/8" | SKPARRG-06 | RG-06 | |
| 1" | SKPARRG-10 | RG-10 | |
| 1-3/8" | SKPARRG-13 | RG-13 | |
| 1-3/4" | SKPARRG-17 | RG-17 | |
| 2" | SKPARRG-20 | RG-20 | |
| 2-1/2" | SKPARRG-25 | RG-25 | |
| 3" | SKPARRG-30 | RG-30 | |
| 3-1/2" | SKPARRG-35 | RG-35 | |
| 4" | SKPARRG-40 | RG-40 | |
| 4-1/2" | SKPARRG-45 | RG-45 | |
| 5" | SKPARRG-50 | RG-50 | |
| 5-1/2" | SKPARRG-55 | RG-55 | |

HMI Hydraulic Cylinders

| Rod Dia. | Part No. | List Price |
|----------|---------------|------------|
| 12 mm | SKPARRGHM-012 | £ |
| 14 mm | SKPARRGHM-014 | |
| 18 mm | SKPARRGHM-018 | |
| 22 mm | SKPARRGHM-022 | |
| 28 mm | SKPARRGHM-028 | |
| 36 mm | SKPARRGHM-036 | |
| 45 mm | SKPARRGHM-045 | |
| 56 mm | SKPARRGHM-056 | |
| 70 mm | SKPARRGHM-070 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Rod & Piston Kits

NON - OEM REPLACEMENT KITS FOR PARKER

MA Air Cylinders

Nitrile
Fluorocarbon



- Kit Includes:**
- 1 URE Wiper
 - 1 PTFE Back-up Ring
 - 1 NBR Multi-lip U-seal
 - 2 NBR U-seals
 - 2 URE Back-up Rings
 - 3 NBR O-ring Head Seals

- Kit Includes:**
- 1 FC Wiper
 - 1 FC Multi-lip U-seal
 - 2 FC U-seals
 - 3 PTFE Back-up Rings
 - 3 FC O-ring

| Rod Dia | Bore Dia | (NBR) Kit No. | List Price | (FC) Kit No. | List Price |
|---------|----------|-----------------|------------|-----------------|------------|
| 5/8" | 1-1/2" | SKPARSKL7000MA1 | £ | SKPARSKL7000MA5 | £ |
| 5/8" | 2" | SKPARSKL7001MA1 | | SKPARSKL7001MA5 | |
| 1" | 2" | SKPARSKL7002MA1 | | SKPARSKL7002MA5 | |
| 5/8" | 2-1/2" | SKPARSKL7003MA1 | | SKPARSKL7003MA5 | |
| 1" | 2-1/2" | SKPARSKL7004MA1 | | SKPARSKL7004MA5 | |
| 1" | 3-1/4" | SKPARSKL7005MA1 | | SKPARSKL7005MA5 | |
| 1-3/8" | 3-1/4" | SKPARSKL7006MA1 | | SKPARSKL7006MA5 | |
| 1" | 4" | SKPARSKL7007MA1 | | SKPARSKL7007MA5 | |
| 1-3/8" | 4" | SKPARSKL7008MA1 | | SKPARSKL7008MA5 | |
| 1" | 5" | SKPARSKL7009MA1 | | SKPARSKL7009MA5 | |
| 1-3/8" | 5" | SKPARSKL7010MA1 | | SKPARSKL7010MA5 | |
| 1-3/8" | 6" | SKPARSKL7098MA1 | | SKPARSKL7098MA5 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Piston Kits

HL, 2HL, L, LL, 2LL, & 3LL Hydraulic Cylinders
Nitrile**Kit Includes:**

- 2 NBR U-seals
- 2 NBR O-ring Head Seals
- 2 URE Back-up Rings

Fluorocarbon

**Kit Includes:**

- 2 FC U-seals
- 2 FC O-ring Head Seals
- 2 PTFE Back-up Rings

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|------------|------------|-----------------|------------|------------|
| 1" | SKPARPK102HLL01 | PK102HLL01 | £ | SKPARPK102HLL05 | PK102HLL05 | £ |
| 1-1/2" | SKPARPK152HLL01 | PK152HLL01 | | SKPARPK152HLL05 | PK152HLL05 | |
| 2" | SKPARPK202HLL01 | PK202HLL01 | | SKPARPK202HLL05 | PK202HLL05 | |
| 2-1/2" | SKPARPK252HLL01 | PK252HLL01 | | SKPARPK252HLL05 | PK252HLL05 | |
| 3-1/4" | SKPARPK322HLL01 | PK322HLL01 | | SKPARPK322HLL05 | PK322HLL05 | |
| 4" | SKPARPK402HLL01 | PK402HLL01 | | SKPARPK402HLL05 | PK402HLL05 | |
| 5" | SKPARPK502HLL01 | PK502HLL01 | | SKPARPK502HLL05 | PK502HLL05 | |
| 6" | SKPARPK602HLL01 | PK602HLL01 | | SKPARPK602HLL05 | PK602HLL05 | |
| 7" | SKPARPK702HLL01 | PK702HLL01 | | SKPARPK702HLL05 | PK702HLL05 | |
| 8" | SKPARPK802HLL01 | PK802HLL01 | | SKPARPK802HLL05 | PK802HLL05 | |
| 10" | SKPARPK902HLL01 | PK902HLL01 | | SKPARPK902HLL05 | PK902HLL05 | |
| 12" | SKPARPK922HLL01 | PK922HLL01 | | SKPARPK922HLL05 | PK922HLL05 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Piston Kits

1A & 2A Air Cylinders

Nitrile



Kit Includes:

- 2 NBR O-ring Head Seals
- 2 NBR U-seals
- 2 URE Back-up Rings

Fluorocarbon



Kit Includes:

- 2 FC O-ring Head Seals
- 2 FC U-seals
- 2 PTFE Back-up Rings

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|------------|------------|-----------------|------------|------------|
| 1" | SKPARPK1002A001 | PK1002A001 | £ | SKPARPK1002A005 | PK1002A005 | £ |
| 1-1/2" | SKPARPK1502A001 | PK1502A001 | | SKPARPK1502A005 | PK1502A005 | |
| 2" | SKPARPK2002A001 | PK2002A001 | | SKPARPK2002A005 | PK2002A005 | |
| 2-1/2" | SKPARPK2502A001 | PK2502A001 | | SKPARPK2502A005 | PK2502A005 | |
| 3-1/4" | SKPARPK3202A001 | PK3202A001 | | SKPARPK3202A005 | PK3202A005 | |
| 4" | SKPARPK4002A001 | PK4002A001 | | SKPARPK4002A005 | PK4002A005 | |
| 5" | SKPARPK5002A001 | PK5002A001 | | SKPARPK5002A005 | PK5002A005 | |
| 6" | SKPARPK6002A001 | PK6002A001 | | SKPARPK6002A005 | PK6002A005 | |
| 7" | SKPARPK7002A001 | PK7002A001 | | SKPARPK7002A005 | PK7002A005 | |
| 8" | SKPARPK8002A001 | PK8002A001 | | SKPARPK8002A005 | PK8002A005 | |
| 10" | SKPARPK9002A001 | PK9002A001 | | SKPARPK9002A005 | PK9002A005 | |
| 12" | SKPARPK9202A001 | PK9202A001 | | SKPARPK9202A005 | PK9202A005 | |
| 14" | SKPARPK9402A001 | PK9402A001 | | SKPARPK9402A005 | PK9402A005 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE
Piston Kits
NON - OEM REPLACEMENT KITS FOR PARKER
2MA Cylinders
Nitrile

Kit Includes:

- 2 NBR O-ring Head Seals
- 2 URE Back-up Rings
- 2 NBR U-seals
- 1 Nylon Wear Ring
- 1 Tube of Seal Lubricant

Fluorocarbon

Kit Includes:

- 2 FC O-ring Head Seals
- 2 PTFE Back-up Rings
- 2 FC U-seals
- 1 Nylon Wear Ring
- 1 Tube of Seal Lubricant

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|------------|------------|-----------------|------------|------------|
| 1-1/2" | SKPARPK1502MA01 | PK1502MA01 | £ | SKPARPK1502MA05 | PK1502MA05 | £ |
| 2" | SKPARPK2002MA01 | PK2002MA01 | | SKPARPK2002MA05 | PK2002MA05 | |
| 2-1/2" | SKPARPK2502MA01 | PK2502MA01 | | SKPARPK2502MA05 | PK2502MA05 | |
| 3-1/4" | SKPARPK3202MA01 | PK3202MA01 | | SKPARPK3202MA05 | PK3202MA05 | |
| 4" | SKPARPK4002MA01 | PK4002MA01 | | SKPARPK4002MA05 | PK4002MA05 | |
| 5" | SKPARPK5002MA01 | PK5002MA01 | | SKPARPK5002MA05 | PK5002MA05 | |
| 6" | SKPARPK6002MA01 | PK6002MA01 | | SKPARPK6002MA05 | PK6002MA05 | |
| 8" | SKPARPK8002MA01 | PK8002MA01 | | SKPARPK8002MA05 | PK8002MA05 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
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NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Piston Kits

2ML Cylinders Nitrile



Kit Includes:

- 2 NBR O-ring Head Seals
- 2 URE Back-up Rings
- 2 NBR U-seals
- 1 Nylon Wear Ring

| Rod Dia. | Kit No | Reference. | List Price |
|----------|-----------------|------------|------------|
| 1-1/2" | SKPARPK1502ML01 | PK1502ML01 | £ |
| 2" | SKPARPK2002ML01 | PK2002ML01 | |
| 2-1/2" | SKPARPK2502ML01 | PK2502ML01 | |
| 3-1/4" | SKPARPK3202ML01 | PK3202ML01 | |
| 4" | SKPARPK4002ML01 | PK4002ML01 | |
| 5" | SKPARPK5002ML01 | PK5002ML01 | |
| 6" | SKPARPK6002ML01 | PK6002ML01 | |
| 8" | SKPARPK8002ML01 | PK8002ML01 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE**Piston Kits**

NON - OEM REPLACEMENT KITS FOR PARKER

Energised Urethane Kits for L, 2L, 3L, H, 2H, HD & VH Cylinders**Nitrile****Kit Includes:**

- 2 NBR O-ring Head Seals
- 2 Energised Urethane U-seals
- 2 PTFE Head Seals (1" Bore Only)

Fluorocarbon**Kit Includes:**

- 2 NBR O-ring Head Seals
- 2 Energised FC U-seals

| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | Reference | List Price |
|-----------|---------------------|------------|---------------------|-----------|------------|
| 1" | SKPARPK102HLLP1 | £ | SKPARPK102HLLP5 | | £ |
| 1-1/2" | SKPARPK152HLLP1 | | SKPARPK152HLLP5 | | |
| 2" | SKPARPK202HLLP1 | | SKPARPK202HLLP5 | | |
| 2-1/2" | SKPARPK252HLLP1 | | SKPARPK252HLLP5 | | |
| 3-1/4" | SKPARPK322HLLP1 | | SKPARPK322HLLP5 | | |
| 4" | SKPARPK402HLLP1 | | SKPARPK402HLLP5 | | |
| 5" | SKPARPK502HLLP1 | | SKPARPK502HLLP5 | | |
| 6" * | SKPARPK602HLLP1 | | SKPARPK602HLLP5 | | |
| 6" ** | SKPARPK602HLLP1-OLD | | SKPARPK602HLLP5-OLD | | |
| 8" | SKPARPK802HLLP1 | | SKPARPK802HLLP5 | | |

Note: These kits are used in the u-seal type piston for the models shown above.

* These 6" kits are for the current standard piston, Jan. 1992-current. U-seal cross section of .28".

** These 6" kits are for the pre-1992 reworked piston. U-seal cross section of 5/16".

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR PARKER FROM FPE

Piston Kits

High Load Kits for 2H, VH & HD

Nitrile



Kit Includes:

- 2 NBR O-ring Head Seals
- 2 Nylon Wear Rings
- 2 Bronze Filled PTFE Piston Seals with NBR Energisers

Fluorocarbon



Kit Includes:

- 2 FC O-ring Head Seals
- 2 Nylon Wear Rings
- 2 Bronze Filled PTFE Piston Seals with FC Energisers

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|------------|------------|-----------------|------------|------------|
| 1-1/2" | SKPARPK152HK001 | PK152HK001 | £ | SKPARPK152HK005 | PK152HK005 | £ |
| 2" | SKPARPK202HK001 | PK202HK001 | | SKPARPK202HK005 | PK202HK005 | |
| 2-1/2" | SKPARPK252HK001 | PK252HK001 | | SKPARPK252HK005 | PK252HK005 | |
| 3-1/4" | SKPARPK322HK001 | PK322HK001 | | SKPARPK322HK005 | PK322HK005 | |
| 4" | SKPARPK402HK001 | PK402HK001 | | SKPARPK402HK005 | PK402HK005 | |
| 5" | SKPARPK502HK001 | PK502HK001 | | SKPARPK502HK005 | PK502HK005 | |
| 6" | SKPARPK602HK001 | PK602HK001 | | SKPARPK602HK005 | PK602HK005 | |
| 7" | SKPARPK702HK001 | PK702HK001 | | SKPARPK702HK005 | PK702HK005 | |
| 8" | SKPARPK802HK001 | PK802HK001 | | SKPARPK802HK005 | PK802HK005 | |
| 10" | SKPARPK902HK001 | PK902HK001 | | SKPARPK902HK005 | PK902HK005 | |
| 12" | SKPARPK922HK001 | PK922HK001 | | SKPARPK922HK005 | PK922HK005 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Piston Kits

NON - OEM REPLACEMENT KITS FOR PARKER

| Nitrile | HMI Cylinders | Fluorocarbon |
|---------|---------------|--------------|
|---------|---------------|--------------|

**Kit Includes:**

2 NBR Back-up Rings*
 2 NBR O-ring Head Seals
 2 Polyacetal Wear Rings
 1 URE Piston Ring
 w/ 1 NBR Expander

**Kit Includes:**

1 FC Back-up Ring*
 2 FC O-ring Head Seals
 2 Phenolic Wear Rings
 1 Step-cut Nylon Piston Ring
 w/ 1 FC Expander

| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price |
|-----------|-----------------|------------|-----------------|------------|
| 25 mm | SKPARPN025HM001 | £ | - | £ |
| 32 mm | SKPARPN032HM001 | | SKPARPN032HM005 | |
| 40 mm | SKPARPN040HM001 | | SKPARPN040HM005 | |
| 50 mm | SKPARPN050HM001 | | SKPARPN050HM005 | |
| 63 mm | SKPARPN063HM001 | | SKPARPN063HM005 | |
| 80 mm | SKPARPN080HM001 | | SKPARPN080HM005 | |
| 100 mm | SKPARPN100HM001 | | SKPARPN100HM005 | |
| 125 mm | SKPARPN125HM001 | | SKPARPN125HM005 | |
| 160 mm | SKPARPN160HM001 | | SKPARPN160HM005 | |
| 200 mm | SKPARPN200HM001 | | SKPARPN200HM005 | |

* Back-up Rings used only in 63mm and larger Piston Kits.

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
 We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Piston Ring Kits

H, 2H, L, 2L, & 3L Hydraulic Cylinders
Nitrile **Fluorocarbon**



Kit Includes:
 2 NBR O-ring Head Seals
 4 Cast Iron Piston Rings
 2 PTFE Head Seals (1" Bore Only)



Kit Includes:
 2 FC O-ring Head Seals
 4 Cast Iron Piston Rings
 2 PTFE Head Seals (1" Bore Only)

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|------------|------------|-----------------|------------|------------|
| 1" | SKPARPR102H0001 | PR102H0001 | £ | SKPARPR102H0005 | PR102H0005 | £ |
| 1-1/2" | SKPARPR152H0001 | PR152H0001 | | SKPARPR152H0005 | PR152H0005 | |
| 2" | SKPARPR202H0001 | PR202H0001 | | SKPARPR202H0005 | PR202H0005 | |
| 2-1/2" | SKPARPR252H0001 | PR252H0001 | | SKPARPR252H0005 | PR252H0005 | |
| 3-1/4" | SKPARPR322H0001 | PR322H0001 | | SKPARPR322H0005 | PR322H0005 | |
| 4" | SKPARPR402H0001 | PR402H0001 | | SKPARPR402H0005 | PR402H0005 | |
| 5" | SKPARPR502H0001 | PR502H0001 | | SKPARPR502H0005 | PR502H0005 | |
| 6" | SKPARPR602H0001 | PR602H0001 | | SKPARPR602H0005 | PR602H0005 | |
| 7" | SKPARPR702H0001 | PR702H0001 | | SKPARPR702H0005 | PR702H0005 | |
| 8" | SKPARPR802H0001 | PR802H0001 | | SKPARPR802H0005 | PR802H0005 | |
| 10" | SKPARPR902H0001 | PR902H0001 | | SKPARPR902H0005 | PR902H0005 | |
| 12" | SKPARPR922H0001 | PR922H0001 | | SKPARPR922H0005 | PR922H0005 | |

NON - OEM REPLACEMENT KITS FOR PARKER

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

NON - OEM REPLACEMENT KITS FOR PARKER

Piston Head Seal Kits

2A, 2H, 3L, & VH Cylinders

Nitrile



Kit Includes:
2 NBR O-ring Head Seals

Fluorocarbon



Kit Includes:
2 FC O-ring Head Seals

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|------------|------------|-----------------|------------|------------|
| 1" | SKPARCB102HL001 | CB102HL001 | £ | SKPARCB102HL005 | CB102HL005 | £ |
| 1-1/2" | SKPARCB152HL001 | CB152HL001 | | SKPARCB152HL005 | CB152HL005 | |
| 2" | SKPARCB202HL001 | CB202HL001 | | SKPARCB202HL005 | CB202HL005 | |
| 2-1/2" | SKPARCB252HL001 | CB252HL001 | | SKPARCB252HL005 | CB252HL005 | |
| 3-1/4" | SKPARCB322HL001 | CB322HL001 | | SKPARCB322HL005 | CB322HL005 | |
| 4" | SKPARCB402HL001 | CB402HL001 | | SKPARCB402HL005 | CB402HL005 | |
| 5" | SKPARCB502HL001 | CB502HL001 | | SKPARCB502HL005 | CB502HL005 | |
| 6" | SKPARCB602HL001 | CB602HL001 | | SKPARCB602HL005 | CB602HL005 | |
| 7" | SKPARCB702HL001 | CB702HL001 | | SKPARCB702HL005 | CB702HL005 | |
| 8" | SKPARCB802HL001 | CB802HL001 | | SKPARCB802HL005 | CB802HL005 | |
| 10" | SKPARCB902HL001 | CB902HL001 | | SKPARCB902HL005 | CB902HL005 | |

2MA & ML Cylinders

2MA Cylinders only

| Bore Dia. | (NBR) Kit No. | Reference | List Price | (FC) Kit No. | Reference | List Price |
|-----------|-----------------|-----------|------------|-----------------|------------|------------|
| 1-1/2" | SKPARCB1502MA01 | CB152MA01 | £ | SKPARCB1502MA05 | CB1502MA05 | £ |
| 2" | SKPARCB2002MA01 | CB202MA01 | | SKPARCB2002MA05 | CB2002MA05 | |
| 2-1/2" | SKPARCB2502MA01 | CB252MA01 | | SKPARCB2502MA05 | CB2502MA05 | |
| 3-1/4" | SKPARCB3202MA01 | CB322MA01 | | SKPARCB3202MA05 | CB3202MA05 | |
| 4" | SKPARCB4002MA01 | CB402MA01 | | SKPARCB4002MA05 | CB4002MA05 | |
| 5" | SKPARCB5002MA01 | CB502MA01 | | SKPARCB5002MA05 | CB5002MA05 | |
| 6" | SKPARCB6002MA01 | CB602MA01 | | SKPARCB6002MA05 | CB6002MA05 | |
| 8" | SKPARCB8002MA01 | CB802MA01 | | SKPARCB8002MA05 | CB8002MA05 | |

The Hydraulic Seal Specialists

Equipment Manufacturer's names, part numbers and descriptions are used for reference purposes only.
We do not imply that any part shown is the product of these manufacturers.

NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

Piston Head Seal Kits

NON - OEM REPLACEMENT KITS FOR PARKER

HMI Hydraulic Cylinders

Nitrile



Kit Includes:
2 NBR Back-up Rings*
2 NBR O-ring Head Seals

Fluorocarbon



Kit Includes:
2 FC Back-up Rings*
2 FC O-ring Head Seals

| Bore Dia. | (NBR) Kit No. | List Price | (FC) Kit No. | List Price |
|-----------|-----------------|------------|-----------------|------------|
| 25 mm | SKPARCB025HM001 | £ | SKPARCB025HM005 | £ |
| 32 mm | SKPARCB032HM001 | | SKPARCB032HM005 | |
| 40 mm | SKPARCB040HM001 | | SKPARCB040HM005 | |
| 50 mm | SKPARCB050HM001 | | SKPARCB050HM005 | |
| 63 mm | SKPARCB063HM001 | | SKPARCB063HM005 | |
| 80 mm | SKPARCB080HM001 | | SKPARCB080HM005 | |
| 100 mm | SKPARCB100HM001 | | SKPARCB100HM005 | |
| 125 mm | SKPARCB125HM001 | | SKPARCB125HM005 | |
| 160 mm | SKPARCB160HM001 | | SKPARCB160HM005 | |
| 200 mm | SKPARCB200HM001 | | SKPARCB200HM005 | |

* Back-up Rings used only in 63mm and larger Piston Kits.

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NON - OEM REPLACEMENT KITS FOR **PARKER** FROM FPE

NON - OEM REPLACEMENT KITS FOR PARKER

Miscellaneous Kits

| Kit No. | Series | Code | Rod x Bore | List Price |
|----------------|--------|-------|------------|------------|
| PKH-KT070VP101 | VP | I-N-2 | 1" X 7" | £ |
| PKH-KT070VP101 | VP | I-N-2 | 1" X 7" | |
| PKH-KT080VP101 | VP | I-N-2 | 1" X 8" | |
| PKH-KT100VP101 | VP | I-N-2 | 1" X 10" | |

Kit Includes

- 1 XNBR H Style wiper
- 2 NBR O-rings
- 1 NBR Quad Ring

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Terms of Business

1. All quotations are given and all orders are accepted by FPE Limited (co. number 3725829) ("FPE") subject to these Terms and all orders hereafter placed by the Customer shall be subject to these Terms and which together with the terms agreed by FPE by telephone with or confirmed by FPE by fax to the Customer constitute the entire agreement between the parties relating to its subject matter and (except to the extent repeated in these Terms) supersede and extinguish any prior agreement, understanding or representation (excluding a fraudulent representation), any terms, descriptions or illustrations contained in FPE's brochure, catalogues, price lists or elsewhere and any terms stipulated or referred to by the Customer and any course of dealing established between the parties.
2. A quotation shall be deemed 28 days after its date unless the parties enter into a contract for the sale and purchase of the relevant products. FPE may correct any clerical errors made in quotations or estimates given.
3. The price is ex works and (except where the Customer collects the products) a despatch charge will be made. All sums payable by the Customer are exclusive of VAT and FPE also reserves the right to charge for any special tooling used to produce any of the products.
4. FPE's invoices are payable in full by the end of the month after the month of invoice and if the Customer fails to make payment in full of what is due from it to FPE under any other contract entered into with FPE within seven days of the due date for payment FPE shall not be bound to give up possession of the products and/or (without incurring any liability therefore) may suspend performance of any other of its then outstanding contractual obligations to the Customer until it receives payment in full.
5. The date for despatch or collection of the products is an estimate only and time shall not be of the essence. If FPE is late in despatch or having ready for collection any of the products the Customer may by notice therefore cancel the order in respect of those products but FPE shall in no circumstances be liable to compensate the Customer in damages or otherwise for non- or late despatch or readiness for collection of any of the products for whatever reason. FPE also reserves the right to deliver plus or minus 10 per cent of the order quantity.
6. Where the Customer is responsible for collecting the products it shall do so from the works of FPE within seven days of receipt of notice from FPE that they are ready for collection.
7. Risk of loss of or damage to the products shall pass to the Customer on (as the case may be) despatch or FPE notifying the Customer that the products are ready for collection.
8. Until payment in full has been received by FPE for the products and for all other products previously supplied by FPE to the Customer, FPE shall remain the sole and absolute legal and beneficial owner of the products and the Customer shall hold them in law and in equity as agent and bailee for FPE. Without prejudice to any other right or remedy of FPE, if the Customer defaults in the punctual payment of any sum owing to FPE (whether hereunder or under any other contract entered into with FPE) then FPE shall be entitled to the immediate return of the products and all other products supplied by FPE, in each case where the property thereto has not passed to the Customer, and the Customer authorises FPE, its employees or agents to recover such products and to enter the works of the Customer for that purpose.
9. The Customer shall inspect the products immediately on taking possession of them and may within seven days from doing so give notice and provide evidence satisfactory to FPE of any matter or thing by reason whereof the Customer alleges that the products are not in accordance with the order. In the case of shortages of delivery, FPE may at its absolute discretion make a further delivery to make up for such shortages or give the Customer a credit note in respect thereof.
10. FPE warrants that the products will comply with any description given to them and shall remedy any breach of such warranty by replacing the relevant products as soon as reasonably possible after being given notice of such breach by the Customer under paragraph 9 above. FPE also shall (subject to receipt of the Customer's request therefore) use all reasonable endeavours to procure for the Customer the benefit of any written warranties (including any certificate of conformity) given to it in relation to the products.
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13. Any sum payable by the Customer which is not paid on the due date shall bear interest (as well before as after any judgement therefore) at the rate of two per cent per annum above the base rate from time to time of Barclays Bank PLC for the period from and excluding such date up to and including the date of payment in full.
14. The Customer may not assign (either at law or in equity) any right or benefit under the order. There shall be no waiver of any term of the order by FPE unless such waiver is evidenced in writing and signed by it.
15. If at any time any one or more of the provisions hereof is or becomes invalid, illegal or unenforceable in any respect under any law the validity, legality and enforceability of the remaining provisions shall not be in any way affected or impaired thereby.
16. The order shall be governed by and construed in accordance with English Law to whose non-exclusive jurisdiction the parties hereby submit.
17. Notwithstanding any other provision hereof, nothing herein contained shall or shall be deemed either to affect the statutory rights of a consumer pursuant to a consumer transaction or to exclude or restrict any liability which FPE may have by virtue of the Consumer Protection Act 1987.

FPE Ltd., 2 Kellaw Road, Darlington, Co.Durham DL1 4YA Tel:+44 (0)1325 282732 E-mail:sales@fpe-ltd.co.uk

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