

# 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.

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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.

# 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

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## INTRODUCTION

### ORDERING INFORMATION

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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

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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

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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

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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

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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

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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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### The Hydraulic Seal Specialists

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## INFORMATION

### TECHNICAL

## Materials Used

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### 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

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### 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.

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## The Hydraulic Seal Specialists

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

## NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

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

## A5 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

		A5 Cylinders		HA5 Cylinders	
		Nitrile	Fluorocarbon	Urethane	Fluorocarbon
					
		<b>Kit Includes:</b> 1 XNBR Wiper 1 URE Back-up Ring 1 NBR U-seal 1 PTFE Back-up Ring 1 NBR O-ring	<b>Kit Includes:</b> 1 FC Wiper 1 PTFE Back-up Ring 1 FC U-seal 1 PTFE Back-up Ring 1 FC O-ring	<b>Kit Includes:</b> 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring	<b>Kit Includes:</b> 1 FC Wiper 1 PTFE Back-up Ring 1 FC Energised U-seal 1 PTFE Back-up Ring 1 FC O-ring
Rod Dia.		List Price	List Price	List Price	List Price
	(NBR) Kit No		(FC) Kit No	(URE) Kit No	(FC) Kit No
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

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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		
				
<b>Kit Includes:</b> 2 NBR U-seals 2 PTFE Tube End Seals		<b>Kit Includes:</b> 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**

## 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	



## The Hydraulic Seal Specialists

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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		Fluorocarbon		
				
<b>Kit Includes:</b> 1 XNBR Wiper 1 URE Back-up Ring 1 NBR U-seal 1 PTFE Back-up Ring 1 NBR O-ring		<b>Kit Includes:</b> 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

			N2 Cylinders		
Nitrile			Fluorocarbon		
			Piston Ring		
					
<b>Kit Includes:</b> 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals			<b>Kit Includes:</b> 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals		
<b>Bore Dia.</b>	<b>(NBR) Kit No</b>	<b>List Price</b>	<b>(FC) Kit No</b>	<b>List Price</b>	<b>(PR) Kit No</b>
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




## 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

Urethane			N5 Cylinders Urethane		Fluorocarbon	
						
<b>Kit Includes:</b> 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring			<b>Kit Includes:</b> 1 XNBR Wiper 1 Urethane Back-up Ring 1 Urethane Energised U-seal 1 PTFE Back-up Ring 1 NBR O-ring		<b>Kit Includes:</b> 1 FC Wiper 1 PTFE Back-up Ring 1 FC Energised U-seal 1 PTFE Back-up Ring 1 FC O-ring	
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	
								
<b>Kit Includes:</b> 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals			<b>Kit Includes:</b> 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals		<b>Kit Includes:</b> 2 Urethane U-seals 2 Urethane Back-up Rings 2 PTFE Tube End Seals		<b>Kit Includes:</b> 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.	List Price
	Part No.	
	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)





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

## R2 Series Rod Kits

NON - OEM REPLACEMENT KITS FOR HYDRO-LINE

		Nitrile	R2 & LR2 Cylinders		Fluorocarbon	Urethane	Fluorocarbon
							
		<b>Kit Includes:</b> 1 XNBR Wiper 1 URE Back-up Ring 1 NBR U-seal 1 PTFE Back-up Ring 1 NBR O-ring			<b>Kit Includes:</b> 1 FC Wiper 1 PTFE Back-up Ring 1 FC U-seal 1 PTFE Back-up Ring 1 FC O-ring	<b>Kit Includes:</b> 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring	<b>Kit Includes:</b> 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.	List (NBR) Kit No.	List Price	List (FC) Kit No.	List Price	List (URE) Kit No.	List Price (FC) Kit No.
5/8"	1"	SKHYDR2-662-05A	£	SKHYDR2-662-05AV	£	SKHYDR2-681-05A	£
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	
						
<b>Kit Includes:</b> 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals			<b>Kit Includes:</b> 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals		<b>Kit Includes:</b> 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

## 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	
									
		<b>Kit Includes:</b> 1 FC Wiper 1 PTFE Back-up Ring 1 FC U-seal 1 PTFE Back-up Ring 1 FC O-ring		<b>Kit Includes:</b> 1 XNBR Wiper 1 URE U-seal 1 PTFE Back-up Ring 1 NBR O-ring		<b>Kit Includes:</b> 1 XNBR Wiper 1 Urethane Back-up Ring 1 URE Energised U-seal 1 PTFE Back-up Ring 1 NBR O-ring		<b>Kit Includes:</b> 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.	(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		
								
<b>Kit Includes:</b> 2 NBR U-seals 2 URE Back-up Rings 2 PTFE Tube End Seals			<b>Kit Includes:</b> 2 FC U-seals 2 PTFE Back-up Rings 2 PTFE Tube End Seals			<b>Kit Includes:</b> 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	
						
<b>Kit Includes:</b> 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			<b>Kit Includes:</b> 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		<b>Kit Includes:</b> 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		
								
<b>Kit Includes:</b> 2 NBR U-seals 2 URE Back-up Rings 4 PTFE Tube End Seals			<b>Kit Includes:</b> 2 FC U-seals 2 PTFE Back-up Rings 4 PTFE Tube End Seals			<b>Kit Includes:</b> 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.

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**Rod Kit, Iron Gland**

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**Star Rod Kits**

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**Rod Cage Assembly**

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**Hat Packing**

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**PTFE Wiper**

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**Iron Gland**

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

NON - OEM REPLACEMENT KITS FOR MILLER

### A, J, & H Cylinders

#### 1998 Style Retainer Held



**Kit Includes:**

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

#### 1998 Style Bolted



**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

### 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**

## Pneumatic Rod Kit, Iron Gland

**NON - OEM REPLACEMENT KITS FOR MILLER**
**A & C Cylinders**
**Retainer Held**

**Kit Includes:**

- 1 PTFE Wiper
- 1 Retainer Held Iron Gland
- 1 NBR Hat Packing

**Bolted**

**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

NON - OEM REPLACEMENT KITS FOR MILLER

**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		—	

### 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**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

NON - OEM REPLACEMENT KITS FOR MILLER

### 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

## 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.  
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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	£

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

## Piston U-seals

NON - OEM REPLACEMENT KITS FOR MILLER

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	

## 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 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.  
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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	<b>Kit Includes:</b> 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

NON - OEM REPLACEMENT KITS FOR MILLER

**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		—		—	

## 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 Gland Kits**  
A, 2A, H, 2H, VH, L, 2L, 3L, HMI, MA & 2MA Cylinders .....41 - 45

**Rod Kits**  
A, 2A, H, 2H, VH, L, 2L, 3L, HMI, MA & 2MA Cylinders .....46 - 50

**Bronze Rod Glands**  
A, 2A, H, 2H, VH, L, 2L, 3L, HMI, MA, 2MA Air & Hydraulic Cylinders .....51 - 52

**Rod & Piston Seal Kits**  
MA Air Cylinders .....53

**Piston Kits**  
HL, 2HL, L, LL, 2LL, & 3LL Hydraulic Cylinders,  
1A & 2A Air Cylinders, 2MA & 2ML Cylinders,  
L, 2L, 3L, H, 2H, HD & VH Cylinders .....54 - 60

**Piston Ring Kits**  
H, 2H, L, 2L, & 3L Hydraulic Cylinders .....61

**Piston Head Seal Kits**  
2A, 2H, 3L, VH, HMI, 2MA & ML Cylinders .....62 - 63

**Miscellaneous Kits** .....64

**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**



**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

**Fluorocarbon**



**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

NON - OEM REPLACEMENT KITS FOR PARKER

# Rod Gland Kits

2MA Air Cylinders						
Nitrile		Fluorocarbon				
						
<p><b><u>1/2" - 1-3/4"</u></b>  <b><u>Kit Includes:</u></b>                      1 Bronze Gland                      1 XNBR Wiper/Seal                      1 NBR O-Ring                      1 Tube Seal Lubricant</p>		<p><b><u>1/2" - 1-3/4"</u></b>  <b><u>Kit Includes:</u></b>                      1 Bronze Gland                      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"	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

NON - OEM REPLACEMENT KITS FOR PARKER

### 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	

## 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

Rod Kits

NON - OEM REPLACEMENT KITS FOR PARKER

2MA Air Cylinders						
Nitrile			Fluorocarbon			
 <p><b>1/2" - 1-3/4"</b> <b>Kit Includes:</b> 1 XNBR Wiper/Seal 1 NBR O-Ring 1 Tube Seal Lubricant</p>			 <p><b>1/2" - 1-3/4"</b> <b>Kit Includes:</b> 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"

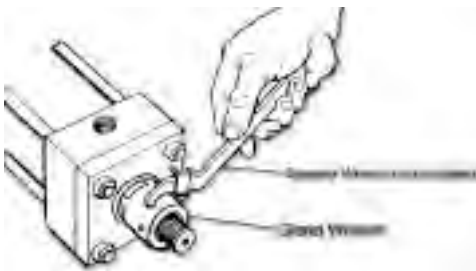
**Kit Includes:**

- 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	

## 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	
 <p><b>Kit Includes:</b>            1 URE Wiper            1 URE Multi-lip U-seal            1 NBR O-ring</p>			12 - 70mm 	90 - 140mm  <p><b>Kit Includes:</b>            1 FC Wiper            1 PTFE Back-up Ring*            1 FC Multi-lip U-seal*            1 FC O-ring</p>
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

### MA Air Cylinders

5/8" Rod Gland Profile



1" & 1-3/8" 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	

### 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	

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**

## 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	



## 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		
					
<b>Kit Includes:</b> 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			<b>Kit Includes:</b> 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

NON - OEM REPLACEMENT KITS FOR PARKER

### 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	



## The Hydraulic Seal Specialists

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

## Piston Kits

**NON - OEM REPLACEMENT KITS FOR PARKER**

2MA Cylinders						
Nitrile			Fluorocarbon			
 <p><b>Kit Includes:</b>            2 NBR O-ring Head Seals            2 URE Back-up Rings            2 NBR U-seals            1 Nylon Wear Ring            1 Tube of Seal Lubricant</p>			 <p><b>Kit Includes:</b>            2 FC O-ring Head Seals            2 PTFE Back-up Rings            2 FC U-seals            1 Nylon Wear Ring            1 Tube of Seal Lubricant</p>			
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

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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

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

## Piston Kits

**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

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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



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

## Piston Kits

NON - OEM REPLACEMENT KITS FOR PARKER

HMI Cylinders				
Nitrile		Fluorocarbon		
				
<b>Kit Includes:</b> 2 NBR Back-up Rings* 2 NBR O-ring Head Seals 2 Polyacetal Wear Rings 1 URE Piston Ring w/ 1 NBR Expander		<b>Kit Includes:</b> 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

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

## Piston Ring Kits

### H, 2H, L, 2L, & 3L Hydraulic Cylinders Nitrile



**Kit Includes:**

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

### Fluorocarbon



**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

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

## Piston Head Seal Kits

NON - OEM REPLACEMENT KITS FOR PARKER

**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	



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

## Piston Head Seal Kits

NON - OEM REPLACEMENT KITS FOR PARKER

HMI Hydraulic Cylinders				
Nitrile			Fluorocarbon	
 <p><b>Kit Includes:</b> 2 NBR Back-up Rings* 2 NBR O-ring Head Seals</p>			 <p><b>Kit Includes:</b> 2 FC Back-up Rings* 2 FC O-ring Head Seals</p>	
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

**The Hydraulic Seal Specialists**

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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.
11. SUBJECT TO PARAGRAPH 10 AND TO THE FULLEST EXTENT PERMITTED BY LAW, ALL WARRANTIES, REPRESENTATIONS, TERMS AND UNDERTAKINGS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, WHETHER AS TO FITNESS FOR PURPOSE, BEING OF SATISFACTORY QUALITY, COMPLIANCE WITH SAMPLE, SUITABILITY OF PACKAGING OR OTHERWISE HOWSOEVER IN RESPECT OF THE PRODUCTS ARE HEREBY EXCLUDED.
12. This paragraph 12 sets out FPE's entire liability (including liability for the acts and omissions of its employees, agents and sub-contractors) to the Customer in respect of any breach of its obligations under or in connection with the order or any representation (unless fraudulent) statement, act or omission (including without limitation negligence) of FPE arising under or in connection with the order (together an "Event of Default"). FPE's liability to the Customer for death or personal injury resulting from its own or that of its employees, agents or sub-contractors' negligence shall not be limited. Subject to this, FPE's entire liability in respect of any other Event of Default shall be limited to the price of the products which are the subject of the Event of Default and FPE shall not be liable for loss of profits, goodwill or any type of special, indirect or consequential loss.
13. Any sum payable by the Customer which is not paid on the due date shall bear interest (as well before as after any judgment 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**

## The Hydraulic Seal Specialists

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