



PAR◇FIT™  
**SmaRT** 1000

The smart replacement for the Pall SRT UE Element Series

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



ENGINEERING YOUR SUCCESS.



Parker

940416Q  
02SX

Parker

940434Q  
02SX



## The smart move

Now there's a smarter replacement for Pall SRT UE series elements: The Par Fit SmaRT1000 series. The result of engineering investment and innovation on a global scale, Par Fit SmaRT1000 elements combine the most advanced filter technology with universal availability and maximum affordability.



### **A straight swap for Pall. A step change in your performance.**

The Par Fit SmaRT1000 series is a direct replacement for a wide range of the Pall SRT UE element series; but with important performance and business advantages:

- Replacement for the Pall UE219, UE319 and UE619 series elements with the quality and performance you can expect from Parker
- Parker engineering, manufacturing quality and support – the assurance of product consistency and reliability, whatever the application, and wherever you are in the world
- Economical alternative, with extended replacement cycle and lower lifetime cost
- Incorporating Parker's unique QuantumFiber™ and Static Control media, for advanced filtration quality
- Availability from stock – removing the need for expensive stockholding, and minimising costly down time

## The smart choice

The Par Fit SmaRT1000 series is designed as an exact fit for all standard Pall SRT filter housings, and specified to deliver outstanding durability, performance, efficiency and ease of use.

### Smart by design

Pall UE219 and UE319 replacement elements feature a unique service tool. Supplied separately with every SmaRT1000 UE219 and UE319 replacement, the service tool makes the removal of the element from the filter housing a simple and clean process, and eliminates the risk of any direct contact with the contaminated element. The service tool also ensures that the element is held securely at all times during the replacement process.

For the Pall UE619 replacement elements, the increased material thickness of the extraction ring and support ribs provides added strength which ensures that the extraction ring remains connected to the rest of the element during the element removal - the Par Fit SmaRT1000 series element incorporates six ribs in comparison to only four in the original Pall design.

### Service Tool

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Prevents direct contact with contaminated element and ensures element does not 'fall off' during the replacement process.

### Pall UE619 Replacement Elements

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Unique design which ensures the correct interaction with the original Pall filter housing enabling the element to be withdrawn from the housing as the housing cap is removed.

### Extraction Ring

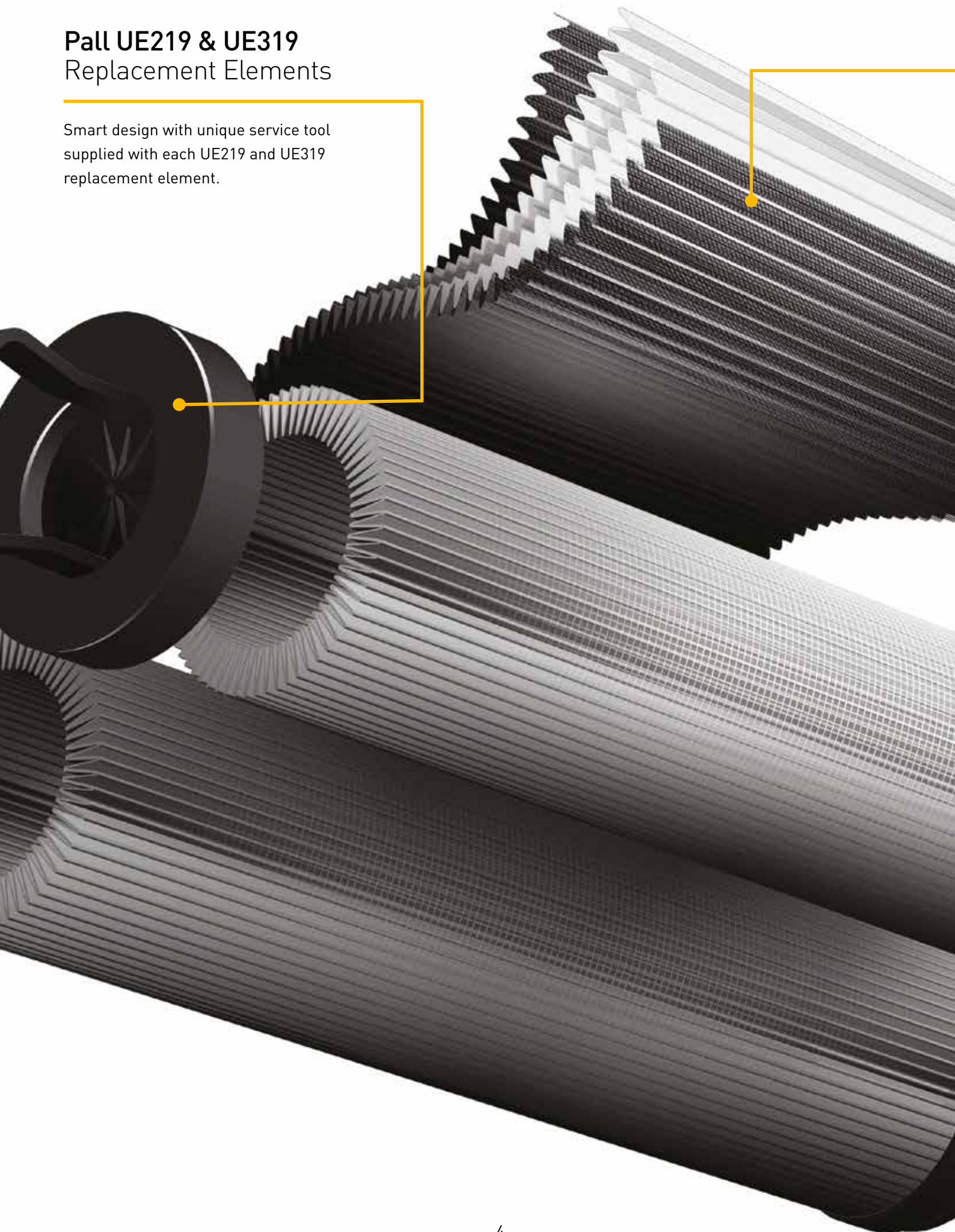
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Extra support with six support ribs to ensure added strength during the replacement process.



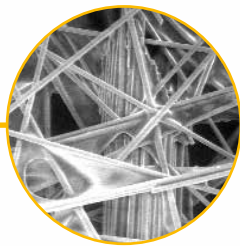
## Pall UE219 & UE319 Replacement Elements

Smart design with unique service tool  
supplied with each UE219 and UE319  
replacement element.



## SmaRT Media

Par Fit SmaRT1000 elements incorporate a multi-layered media pack made up of wire support layers, fiberglass pre-filter and efficiency layers and static control treatment to prevent the build-up of static in the hydraulic fluid.



## QuantumFiber™ - A new generation of filter media

QuantumFiber™ features a unique fibre composition that ensures that contamination is more evenly distributed, which in turn means that maximum filter efficiency is available over an extended lifetime. By helping to ensure consistently cleaner oil for longer, QuantumFiber™ increases the lifetime of critical system components such as pumps and valves, while simultaneously reducing costly downtime.

- 5-10% reduction of pressure drop compared with Microglass III
- Improved filtration efficiency at higher differential pressures
- Optimised distribution of contamination, ensuring longer filter lifetime by up to 30%

## Static Control – Eliminating the effect of electro-static charging

Parker's Static Control filter media is a patent-pending solution to the problem of electro-static charging in hydraulic fluids – improving safety, extending oil lifetime and reducing the harmful impacts on the system caused by varnish build-up.

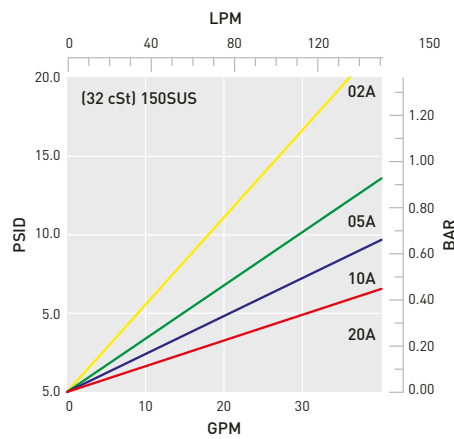
- Eliminates the effect of electro static charging within hydraulic fluids
- Without compromising efficiency, dirt holding capacity, or flow pressure
- Straightforward 'drop in' solution, with no need to modify vessels



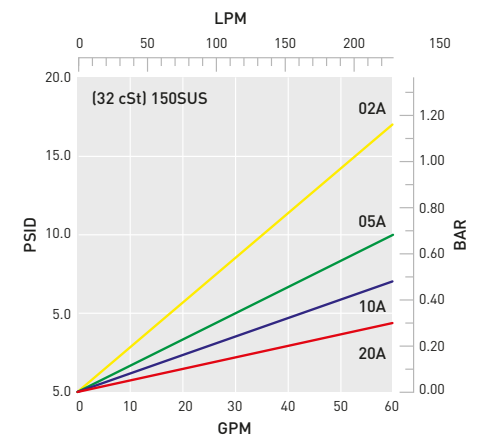
## The smart performance

The Par Fit SmaRT1000 replacement element series has been rigorously tested to ensure outstanding performance across every application, and the most challenging conditions the world has to offer.

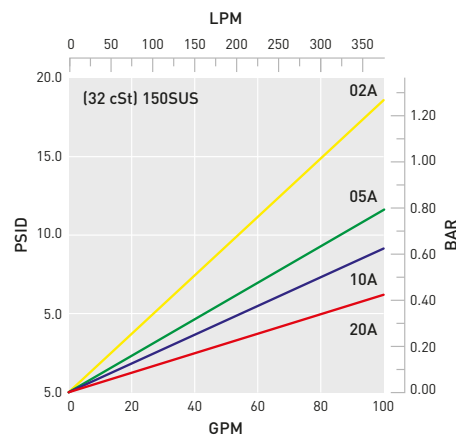
**Pall UE219 – 04 Series Replacement Elements**



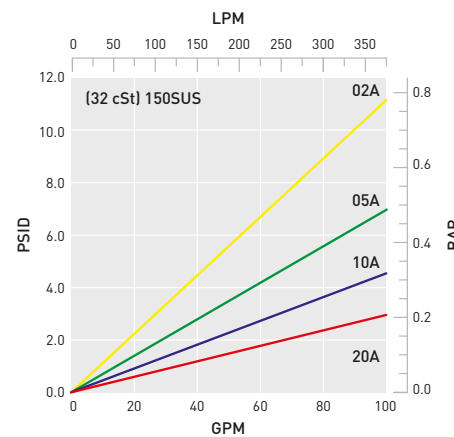
**Pall UE219 – 08 Series Replacement Elements**



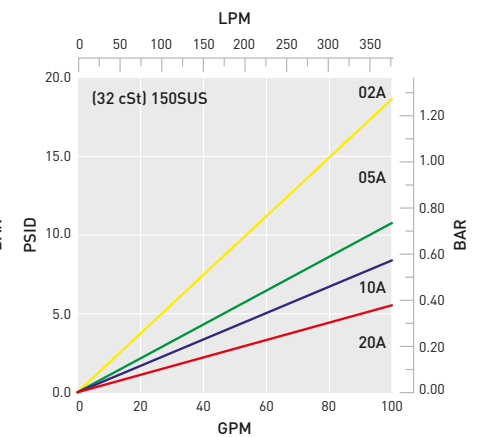
**Pall UE219 – 13 Series Replacement Elements**



**Pall UE219 – 20 Series Replacement Elements**

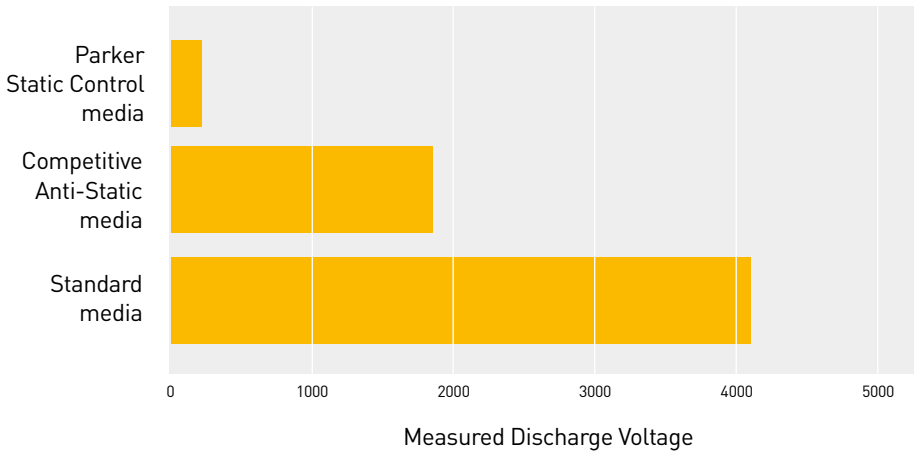


**Pall UE319 – 08 Series Replacement Elements**

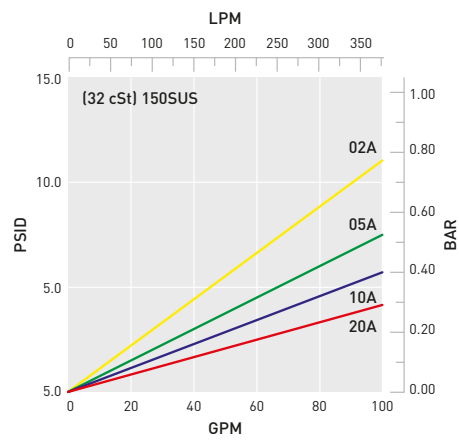


Correct for other fluids by multiplying new viscosity in cSt/32 (SUS/150) x new S.g./0.9

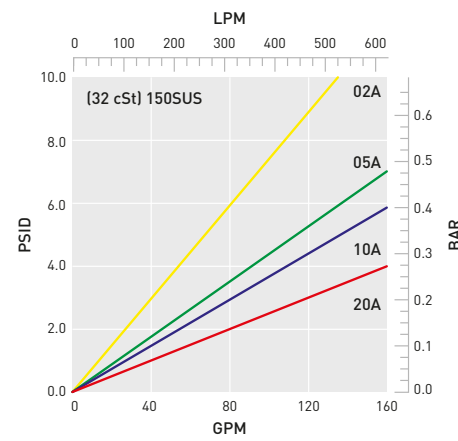
## Laboratory test results



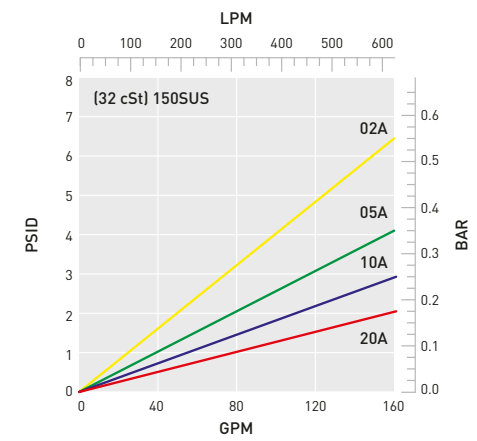
### Pall UE319 – 13 Series Replacement Elements



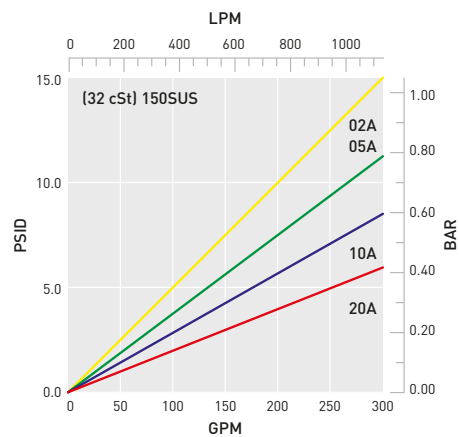
### Pall UE319 – 20 Series Replacement Elements



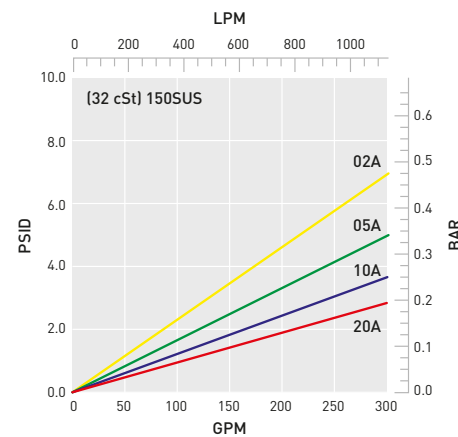
### Pall UE319 – 40 Series Replacement Elements



### Pall UE619 – 20 Series Replacement Elements



### Pall UE619 – 40 Series Replacement Elements



### Media Efficiency

Degree of filtration			
Pall Media Code	$\beta_{x(c)} \geq 1000$ per ISO 16889	Parker Media Code	$\beta_{x(c)} \geq 1000$ per ISO 16889
AP	5	02A	4.5
AN	7	05A	6.5
AS	12	10A	12
AT	22	20A	19.5

Correct for other fluids by multiplying new viscosity in cSt/32 (SUS/150) x new S.g./0.9



## Ordering information

The SmaRT1000 series offers a straight replacement for 40 elements in the Pall SRT UE219, UE319 and UE619 Series.

### The smart move

- An economical alternative to Pall SRT UE replacement elements
- Reassurance of Parker engineering pedigree
- The result of engineering investment and innovation on a global scale

### The smart choice

- Covering a wide range of Pall SRT UE series elements
- Majority of parts available from stock
- Wide range of applications covered

### The smart performance

- Smart by design – unique features to meet your needs
- Incorporating Parker's unique QuantumFiber™ and Static Control media
- The assurance of consistent performance and reliability

Competitor	Comp Part No	Parker Part No
Pall	UE219AP04Z	<b>940400Q</b>
Pall	UE219AN04Z	<b>940401Q</b>
Pall	UE219AS04Z	<b>940402Q</b>
Pall	UE219AT04Z	<b>940403Q</b>
Pall	UE219AP08Z	<b>940404Q</b>
Pall	UE219AN08Z	<b>940405Q</b>
Pall	UE219AS08Z	<b>940406Q</b>
Pall	UE219AT08Z	<b>940407Q</b>
Pall	UE219AP13Z	<b>940408Q</b>
Pall	UE219AN13Z	<b>940409Q</b>
Pall	UE219AS13Z	<b>940410Q</b>
Pall	UE219AT13Z	<b>940411Q</b>
Pall	UE219AP20Z	<b>940412Q</b>
Pall	UE219AN20Z	<b>940413Q</b>
Pall	UE219AS20Z	<b>940414Q</b>
Pall	UE219AT20Z	<b>940415Q</b>
Pall	UE319AP08Z	<b>940416Q</b>
Pall	UE319AN08Z	<b>940417Q</b>
Pall	UE319AS08Z	<b>940418Q</b>
Pall	UE319AT08Z	<b>940419Q</b>

Competitor	Comp Part No	Parker Part No
Pall	UE319AP13Z	<b>940420Q</b>
Pall	UE319AN13Z	<b>940421Q</b>
Pall	UE319AS13Z	<b>940422Q</b>
Pall	UE319AT13Z	<b>940423Q</b>
Pall	UE319AP20Z	<b>940424Q</b>
Pall	UE319AN20Z	<b>940425Q</b>
Pall	UE319AS20Z	<b>940426Q</b>
Pall	UE319AT20Z	<b>940427Q</b>
Pall	UE319AP40Z	<b>940428Q</b>
Pall	UE319AN40Z	<b>940429Q</b>
Pall	UE319AS40Z	<b>940430Q</b>
Pall	UE319AT40Z	<b>940431Q</b>
Pall	UE619AP20Z	<b>940432Q</b>
Pall	UE619AN20Z	<b>940433Q</b>
Pall	UE619AS20Z	<b>940434Q</b>
Pall	UE619AT20Z	<b>940435Q</b>
Pall	UE619AP40Z	<b>940436Q</b>
Pall	UE619AN40Z	<b>940437Q</b>
Pall	UE619AS40Z	<b>940438Q</b>
Pall	UE619AT40Z	<b>940439Q</b>

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