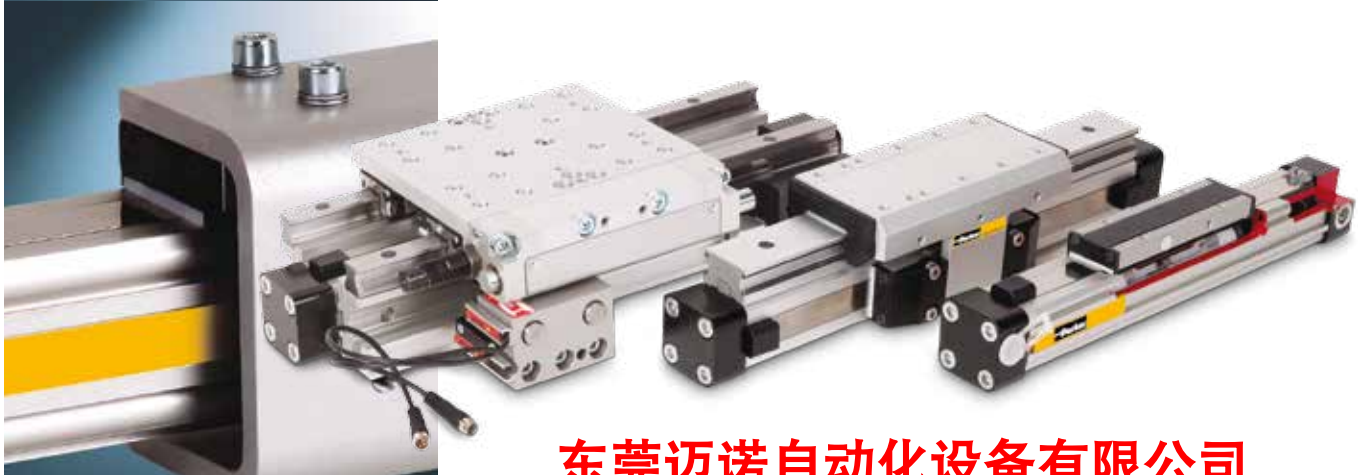




# ORIGA SYSTEM PLUS OSP-P

The “ORIGINAL” rodless pneumatic cylinders



**东莞迈诺自动化设备有限公司**

## A NEW Modular Linear Drive System

With this second generation linear drive Parker Origa offers design engineers complete flexibility. The well known ORIGA cylinder has been further developed into a combined linear actuator, guidance and control package. It forms the basis for the new, versatile ORIGA SYSTEM PLUS linear drive system.

All additional functions are designed into modular system components which replace the previous series of cylinders.

- Completely modular design
- Compact design
- Widest capability for speed, load and movement profiles
- End caps can be rotated 4 x 90°
- High loads and moments
- High service life up to 8,000km
- Low friction forces  $\geq$  high action forces
- Wide speed range ( 0.005 – 30m/s )
- Modular System – easy to mount guides, brakes and displacement measuring system

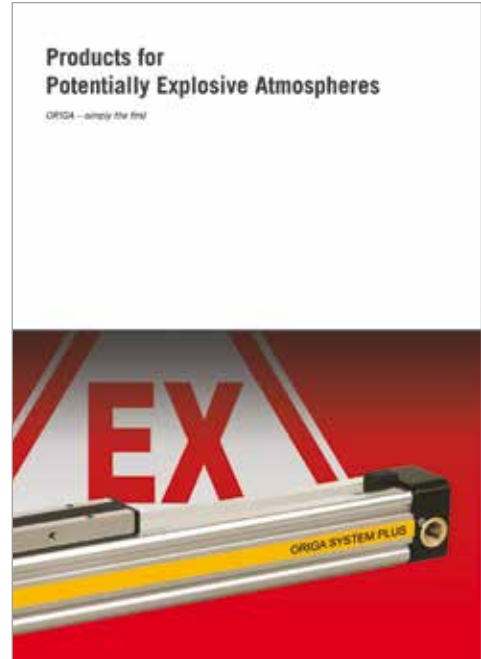


Parker Origa rodless pneumatic cylinders are the first rodless cylinders that have been approved for use in potentially explosive atmospheres in Equipment Group II, Category 2 GD.

The Cylinders are to the ATEX Certification 94/9/EG (ATEX 95) for Pneumatic Components.

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For full details and information on OSP-P range of rodless cylinders please see catalogue no.: P-A4P011GB



## Special Versions



for use in Ex-Areas



Low Temperature Version  
for temperatures down to  
-40°C



for Clean Room Applications  
certified to  
DIN EN ISO 14644-1



Slow Speed Version  
 $v = 0.005 - 0.2 \text{ m/s}$



Stainless steel version  
for special applications



High Speed Version  
 $v_{max.} = 30 \text{ m/s}$



with special pneumatic  
cushioning system for cycle  
time optimization,  
for  $\varnothing 16$  to  $50 \text{ mm}$   
- on request



Cylinders with extreme long  
strokes  
Stroke length up to  $41 \text{ m}$



High Temperature Version  
for temperatures up to  
 $+120^\circ\text{C}$

\* Information on electrical linear drives series OSP-E, please refer to catalogue P-A4P017GB

<p>Basic Linear Drive Standard Version</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E* Belt drive Belt drive with integrated Guides Vertical belt drive with recirculating ball bearing guide</li> <li>Series OSP-E* Screw drive (Ball Screw, Trapezoidal Screw)</li> </ul>		<p><b>BASIC GUIDE</b></p> <ul style="list-style-type: none"> <li>Series OSPP-BG</li> </ul>	
<p>Air Connection on the End-face or both at One End</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>		<p><b>Duplex Connection</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>	
<p>Long-Stroke Cylinders for strokes up to 41 m</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>		<p><b>Multiplex Connection</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>	
<p>Clean Room Cylinder certified to DIN EN ISO 14644-1</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E..SB</li> </ul>		<p><b>Linear Guides – SLIDELINE</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Screw drive*</li> </ul>	
<p>Products for ATEX Areas</p> <ul style="list-style-type: none"> <li>Series OSP-P Rodless Cylinders</li> </ul> 		<p><b>Linear Guides – POWERSLIDE</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> </ul>	
<p>Products for ATEX Areas</p> <ul style="list-style-type: none"> <li>Series OSP-P Rodless Cylinders with Linear Guide BASIC GUIDE</li> </ul> 		<p><b>Linear Guides – PROLINE</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> </ul>	
<p>Products for ATEX Areas</p> <ul style="list-style-type: none"> <li>Series OSP-P Rodless Cylinders with Linear Guide SLIDELINE</li> </ul> 		<p><b>Linear Guides – STARLINE</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>	
<p>Bi-parting Version</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>		<p><b>Linear Guides – KF</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>	
<p>Integrated 3/2 Way Valves</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>		<p><b>Heavy Duty Linear Guides – HD</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Screw drive*</li> </ul>	
<p>Clevis Mounting</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> </ul>		<p><b>Intermediate stop module – ZSM</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> </ul>	
<p>End Cap Mounting</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> </ul>		<p><b>Brakes</b></p> <ul style="list-style-type: none"> <li>Active Brakes</li> <li>Passive Brakes</li> </ul>	
<p>Mid-Section Support</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> </ul>		<p><b>Magnetic Switches</b></p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> <li>ATEX-Versions</li> </ul> 	
<p>Inversion Mounting</p> <ul style="list-style-type: none"> <li>Series OSP-P</li> <li>Series OSP-E Belt drive*</li> <li>Series OSP-E Screw drive*</li> </ul>		<p><b>SENSOFLEX-Measuring system</b></p> <ul style="list-style-type: none"> <li>Series SFI-plus</li> </ul>	
<p></p>	<p></p>	<p><b>Variable Stop VS</b></p> <ul style="list-style-type: none"> <li>Series OSP-P with Linear Guide STL, KF, HD</li> </ul>	

# Origa System Plus

## - Innovation from a proven design

A completely new generation of linear drives which can be simply and neatly integrated into any machine layout.

### A NEW MODULAR LINEAR DRIVE SYSTEM

With this second generation linear drive Parker Origa offers design engineers complete flexibility. The well known ORIGA cylinder has been further developed into a combined linear actuator, guidance and control package. It forms the basis for the new, versatile ORIGA SYSTEM PLUS linear drive system.

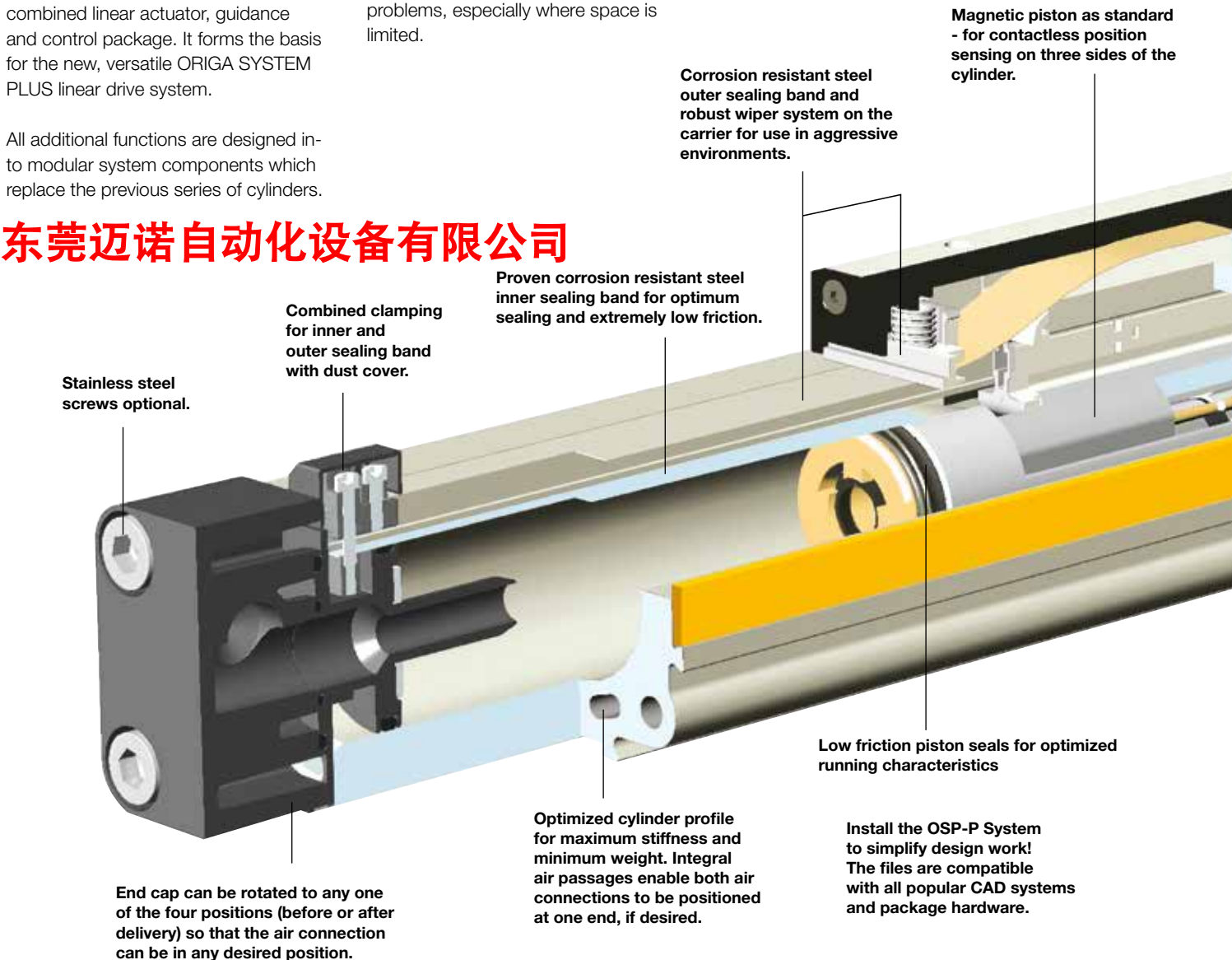
All additional functions are designed into modular system components which replace the previous series of cylinders.

### MOUNTING RAILS ON 3 SIDES

Mounting rails on 3 sides of the cylinder enable modular components such as linear guides, brakes, valves, magnetic switches etc. to be fitted to the cylinder itself. This solves many installation problems, especially where space is limited.

The modular system concept forms an ideal basis for additional customer-specific functions.

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**Clean Room Version**  
 certified to DIN EN ISO 14644-1

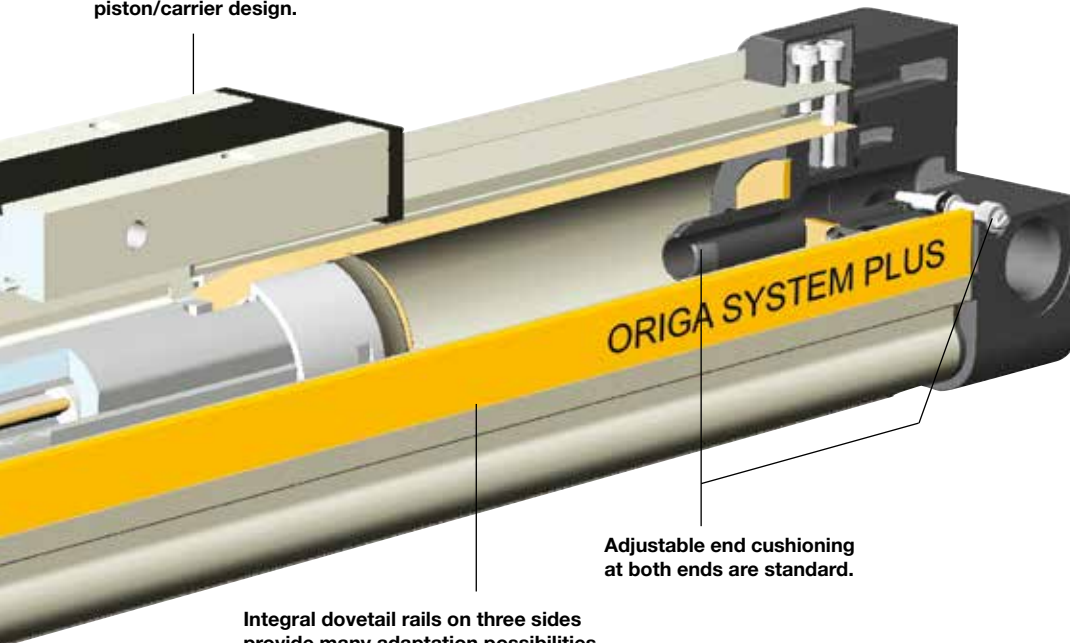


**Rodless Cylinder**  
 for synchronized bi-parting movements



**东莞迈诺自动化设备有限公司**

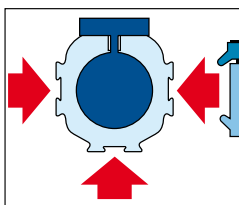
New low profile piston/carrier design.



Adjustable end cushioning at both ends are standard.

Integral dovetail rails on three sides provide many adaptation possibilities (linear guides, magnetic switches, etc.).

Modular system components are simply clamped on.



**INTEGRATED VOV VALVES**  
 The complete compact solution for optimal cylinder control.



**SENSOFLEX SFI-plus**  
 incremental measuring system with 0.1 (1.0) mm resolution.



**BASIC GUIDE**  
 Compact, robust plain bearing guide for medium loads.



**SLIDELINE**  
 Guide system for moderate loads. Optional with Active- / Passive-Brake.



**POWERSLIDE**  
 Roller guide for high loads and rough conditions.



**PROLINE**  
 The compact aluminium roller guide for high loads and velocities. Optional with Active- / Passive-Brake.



**STARLINE**  
 Recirculating ball bearing guide for very high loads and precision.



**KF GUIDE**  
 Recirculating ball bearing guide – the mounting dimensions correspond to FESTO Type: DGPL-KF



**HEAVY DUTY GUIDE HD**  
 for heavy duty applications.



**VARIABLE STOP VS**  
 The variable stop provides simple stroke limitation.



**PASSIVE BRAKE**  
 reacts automatically to pressure failure.



**ACTIVE BRAKE**  
 pneumatic brake for secure, positive stopping at any position.

