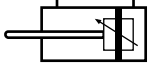

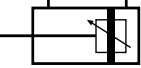

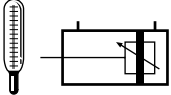

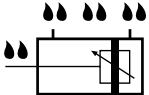

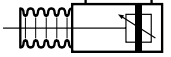



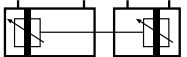

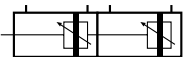
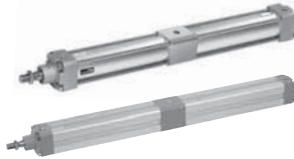
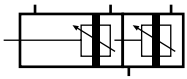
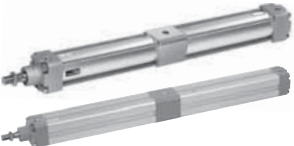
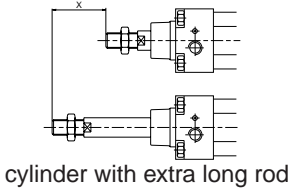
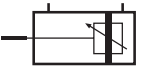
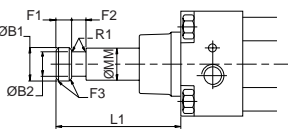
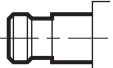
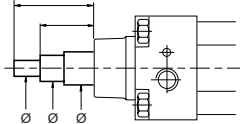
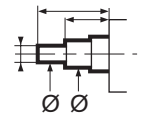
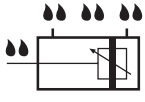
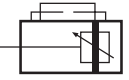
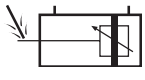
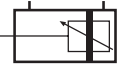
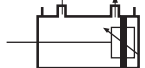

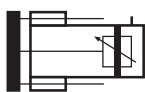

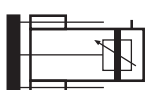

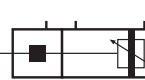

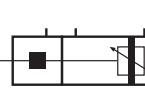


special version	symbol	∅ (mm)	application	illustration	series	page
Oversize piston rod		63-125	PES cylinders can be fitted with a larger diameter piston rod than standard.		450 453	P239-4
Designed for use with electronic inductive detector		32-80	special model for use with inductive solid state sensors		450	P239-6
High temperature		32-200	model designed for use at high temperatures (120°C)		450 453	P239-7
All seals FPM or rod seal FPM		32-200	model equipped with rod seal or all seals of FPM for aggressive environments		450 453	P239-9
Chemical nickel-plating treatment		32-200	cylinder equipped with chemically nickel-plating treatment for use in aggressive environments			P239-11
With bellows		32-200	PES cylinders equipped with rod protective bellows for use in polluted atmospheres.		450 453	P239-13
Back-to-back		32-200	assembly of 2 cylinders mounted back to back and assembled with support or 4 tie rods. This arrangement allows 3 or 4 different positions depending on whether cylinders have the same stroke or different strokes		450 453	P239-14
Front-to-front		32-200	set of two cylinders mounted front-to-front on a common piston rod. This arrangement allows 3 or 4 different positions depending on whether cylinders have the same stroke or different strokes		450 453	P239-15
Double acting tandem		32-100	a tandem cylinder with linked piston rod develops double the force of a standard cylinder of the same diameter. Advantage: compact size cylinder.		450 453	P239-17
3 positions		32-200	this 3 positions cylinder is an assembly comprising 2 PES cylinders bodies in line, with 2 different stroke lengths, and with piston rods <b>not</b> linked.		450 453	P239-18

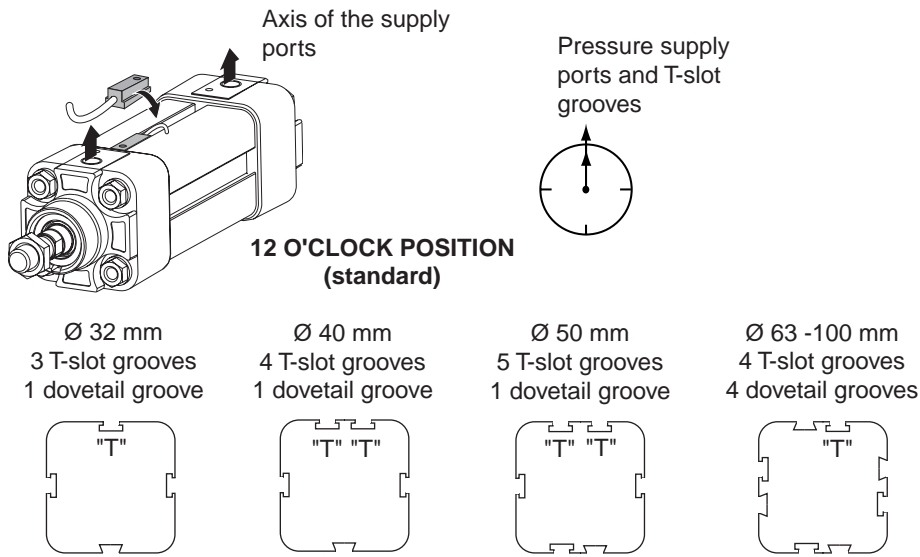
**B**

special version	∅ (mm)	application	illustration	symbol	page
Extended piston rod	32-200		<p>standard cylinder</p>  <p>cylinder with extra long rod</p>		consult us
Eye rod	32-200	<p>this eye rod end:</p> <ul style="list-style-type: none"> <li>- facilitates connection,</li> <li>- enables stress-free joints to be made,</li> <li>- enables <b>rapid</b> replacement <b>without adjustment</b> of the cylinder with the mechanical part driven.</li> </ul>			consult us
Special machining of piston rod end	32-200				consult us
<p>Stainless steel rod</p> <p>Stainless steel barrel</p> <p>Stainless steel screws and hardware</p> <p>Epoxy resin glass fiber barrel</p> <p>Anticorrosive finish on end covers and barrel</p>	32-200	cylinder equipped for aggressive environments	-		consult us
Mounting of control valve on the cylinder with or without flow reducer	32-200		-		consult us
Impact-resistant rod	32-200		-		consult us
Extended cushioning	32-200		-		consult us
Cylinders with pressure outlets on barrel (stainless steel version) for exhaust pressure detection	32-200		-		consult us
Cylinder with "U" guiding unit slide bearings	32-100				P237-1
Cylinder with "H" guiding unit slide or ball bearings	32-100				P237-4
Cylinder with static rod-locking device	32-100				P238-1
Cylinder with dynamic rod-locking device	40-100				P238-7

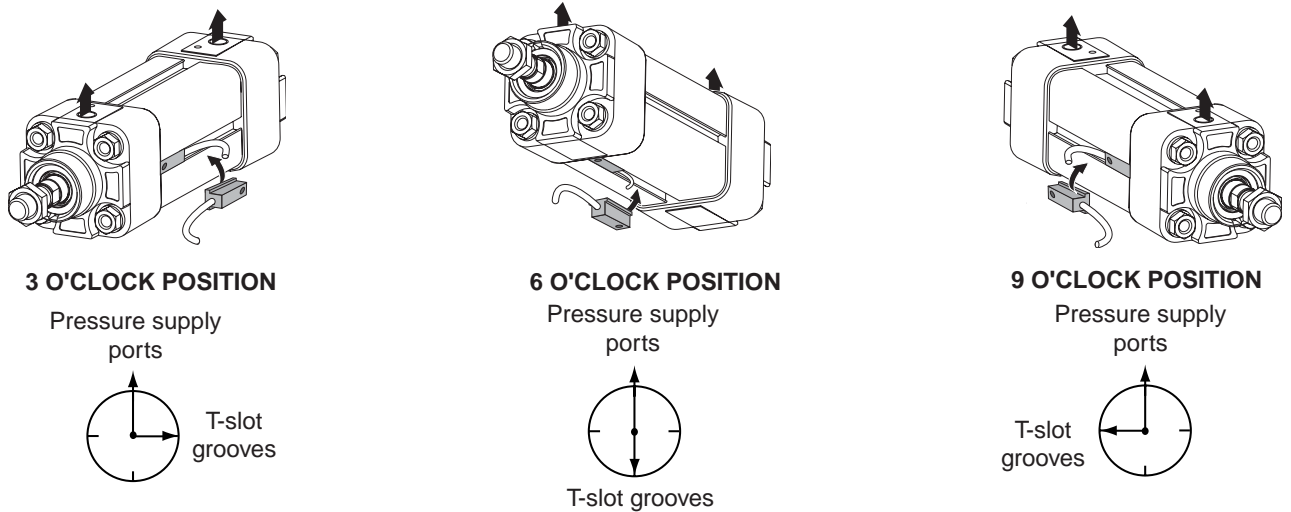
**POSITION OF THE T-SLOT AND THE DOVETAIL GROOVES**

Series 453 PES cylinders offer the advantage of being able to position the T-slot grooves on the cylinder in 4 different positions with reference to the axes of the pressure supply ports. The position must be specified when defining the cylinder catalogue number.

**STANDARD POSITION OF THE T-SLOT GROOVES**



**OTHER POSSIBLE POSITIONS (consult us)**



**B**