



FEATURES

- PES cylinders with Ø 63 to 125 mm can be fitted with a larger diameter piston rod than standard

Ø (mm)	rod Ø (ØMM)		rod end thread Ø (ØKK)	
	standard	oversize	standard	oversize
63	20	25	M16x1,5	M20x1,5
80	25	30	M20x1,5	M27x2
100	25	32	M20x1,5	M27x2
125	32	40	M27x2	M36x2

GENERAL

Detection	Equipped for magnetic position detectors
Fluid	Air or neutral gas, filtered, lubricated or not
Operating pressure	10 bar max.
Ambient temperature	-20°C to +70°C
Standards	ISO 15552 - AFNOR NF ISO 15552 - DIN ISO 15552
Cushioning	Pneumatic, only at rear



Oversize rod not possible for cylinders with:
 ■ Rod boot
 ■ Rod lock
 ■ Anti-rotation piston rod

SPECIFICATIONS

DEFINING THE CYLINDER WITH PROFILED BARREL CATALOGUE NUMBER

Standard version: profiled barrel with adjustable pneumatic cushioning, equipped for magnetic position detectors (T-slot grooves in 12 o'clock position). Other versions available (see tables below).

To order, please specify:

- **CYLINDER**
 - The cylinder type (profiled, with cushioning, equipped for magnetic position detectors).
 - The position of the T-slot groove or dovetail groove on the cylinder.
 - The cylinder diameter and its stroke.
- **DETECTORS**: The magnetic position detectors must be ordered separately:
 - "T" model (see page P291), "COMPACT" model (see page P293), reed switch or magneto-resistive type

453 5

barrel	cylinder type		type
	cushioning	position detection	
Profiled barrel	Cushioned	Equipped	20

groove position		type
Position of the T-slot grooves on the profiled PES cylinder	12 o'clock	0
	3 o'clock	3
	6 o'clock	6
	9 o'clock	9
Position of the dovetail grooves on the profiled PES cylinder	12 o'clock	9
	3 o'clock	0
	6 o'clock	3
	9 o'clock	6

Ø (mm)	standard stroke (mm) (1) (recommended standard stroke)											max. stroke (mm)					
	25	50	80	100	125	160	200	250	320	400	500		630	700	800	900	1000
63	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1800
80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2000
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2000

(1) Others strokes (consult us)

cylinder Ø	
type	Ø (mm)
6	63
8	80
1	100

Ordering example:

- profiled cylinder with pneumatic cushioning equipped for detectors = **20**
- T-slot grooves at 3 o'clock position = **3**
- Cylinder Ø 80 mm = **8**
- Stroke 100 mm = **0100**

Ordering catalogue number : **453 5 20 3 8 0100**

CYLINDER Ø 125 mm, PROFILED BARREL: catalogue number **45051050**

ACCESSORIES: Protective groove cover and detector cable holder - see page P291

MOUNTINGS: see page P242

