ASCO numatics™

3 POSITIONS
Ø 32 to 200 mm - double acting cylinder
ISO 15552
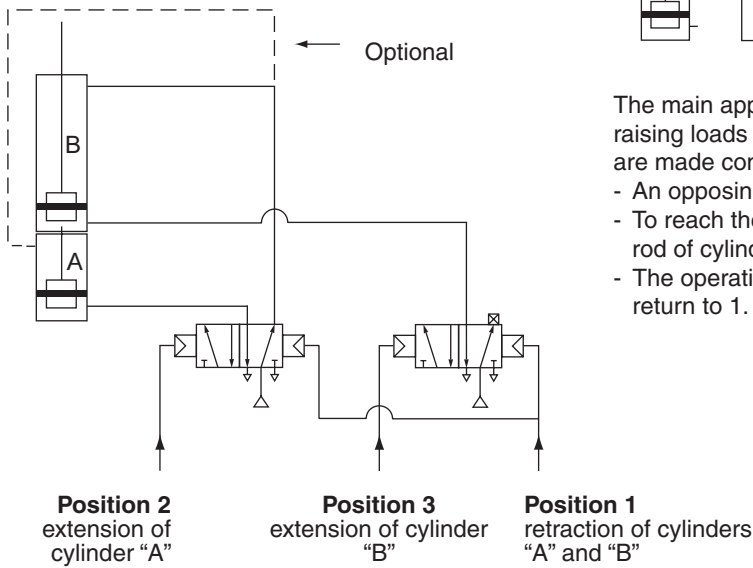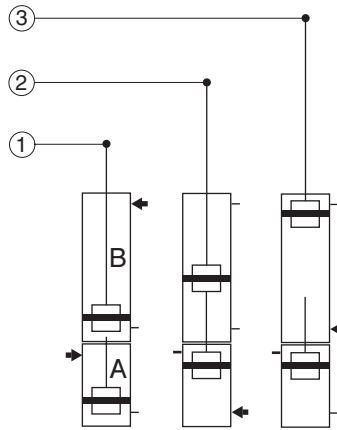## with three positions, rods not connected

FEATURES

- *The three-position cylinder is a monolithic assembly consisting of two cylinder bodies in tandem, generally with different strokes, whose piston rods are not connected together*

← Optional

Position 2
extension of cylinder "A"

Position 3
extension of cylinder "B"

Position 1
retraction of cylinders "A" and "B"

The main applications of three-position cylinders are for pressing and raising loads with two different positions. The following recommendations are made concerning use:
- An opposing force is necessary during extension
- To reach the second position with sufficient accuracy, extension of the rod of cylinder "A" must not be too fast.
- The operating cycle is necessarily as follows: 1 ➝ 2 ➝ 3 then direct return to 1.

Maximum stroke

Ø	stroke A + B (mm)[1]	
(mm)	453 Series	450 Series
32/40/50/63/80/100	2000	2000
125-200	-	

[1] "B" stroke must be longer than "A" stroke

- ■ Determination of stroke of cylinder "A": Distance between Positions 1 and 2 (in mm)
- ■ Determination of stroke of cylinder "B": Distance between Positions 1 and 3 (in mm)

GENERAL
Detection — Equipped for magnetic position detectors
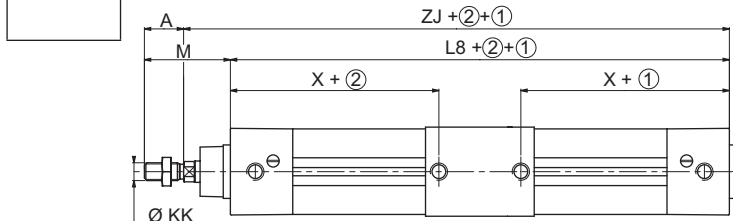**Cushioning** — Pneumatic, adjustable from both sides with captive screw

HOW TO ORDER
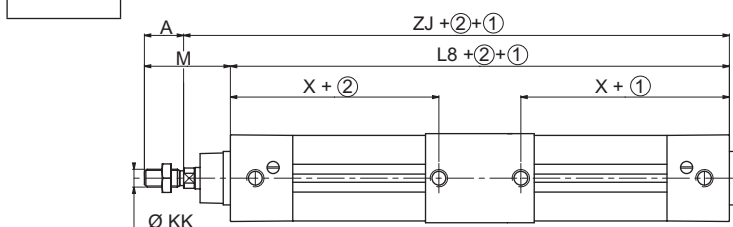*Consult the online configurator - CAD files on:* **www.asco.com**

DIMENSIONS (mm)

### SINGLE-ROD TYPE CYLINDER
453 Series
Ø 32 to 100 mm

ZJ +②+①
L8 +②+①
X + ② · X + ①
Ø KK

SINGLE-ROD TYPE CYLINDER
450 Series
Ø 32 to 100 mm

ZJ +②+①
L8 +②+①
X + ② · X + ①
Ø KK

① Stroke Ⓐ   ② Stroke Ⓑ

Ø (mm)		A	ØKK	L8	M	ZJ	X	
453	**450**						**453**	**450**
32	**32**	22	M10x1,25	180	48	206	68	68
40	**40**	24	M12x1,25	198,5	54	228,5	77	77
50	**50**	32	M16x1,5	205	69	242	78,5	78,5
63	**63**	32	M16x1,5	233	69	270	95	95
80	**80**	40	M20x1,5	251,5	86	297,5	98	98
100	**100**	40	M20x1,5	243	91	294	100	100
-	**125**	54	M27x2	278	119	343	-	139
-	**160**	72	M36x2	303	152	383	-	151,5
-	**200**	72	M36x2	303	167	398	-	151,5

Ø 125 to 200 mm

ZJ + 2 x ①
L8 + 2 x ①
X + ①
ØKK
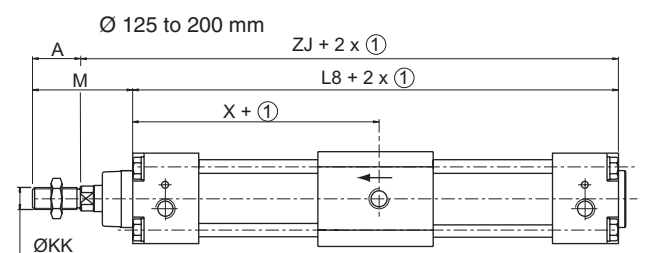
The two ports on the intermediate block are positioned at 180° to each other

All leaflets are available on: **www.asco.com**