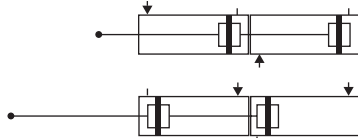


FEATURES

- Tandem-mounted cylinders with connected rods develop twice the force of a standard cylinder of the same diameter
- This arrangement offers the advantage of providing a given force with a smaller frontal area than a standard cylinder developing the same force

Note: Operation by a single 5/2 control valve is possible



Force developed

Ø (mm)		dynamic force developed (daN) as a function of pressure (bar)									
		2		4		6		8		10	
453	450	●	○	●	○	●	○	●	○	●	○
32	32	25	23	55	50	86	78	114	104	143	132
40	40	39	36	85	78	129	118	175	160	225	205
50	50	60	54	128	116	202	184	274	248	345	310
63	63	99	92	208	196	324	308	441	422	554	528
80	80	165	154	348	326	540	510	726	682	907	854
100	100	262	253	562	544	853	825	1163	1125	1453	1406
-	125	407	393	890	860	1355	1309	1790	1730	2225	2150
-	160	670	640	1450	1400	2250	2200	3050	3000	3700	3600
-	200	1080	1060	2250	2200	3500	3400	4700	4600	5900	5800



- Force developed upon extension of the piston rod
- Force developed upon retraction of the piston rod

GENERAL

Detection
Cushioning

Equipped for magnetic position detectors
Pneumatic, adjustable from both sides with captive screw

HOW TO ORDER

Consult the online configurator - CAD files on: www.asco.com



MOUNTINGS



DETECTORS

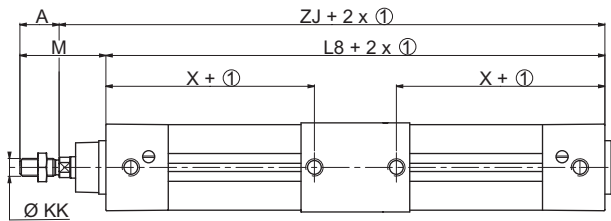
reed switch or magneto-resistive type

DIMENSIONS (mm)



SINGLE-ROD TYPE CYLINDER

453 Series
Ø 32 to 100 mm



① Stroke

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

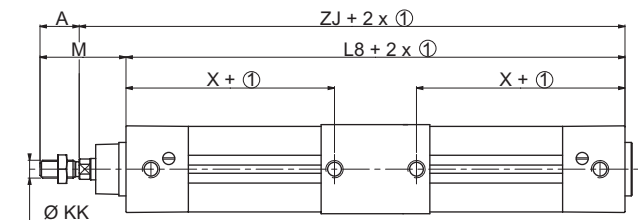
Configurator - CAD Files



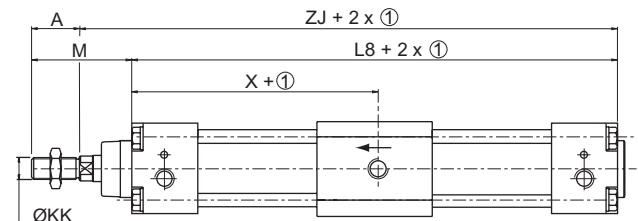
SINGLE-ROD TYPE CYLINDER

450 Series
Ø 32 to 200 mm

Ø 32 to 100 mm



Ø 125 to 200 mm



The two ports on the intermediate block are positioned at 180° to each other