

Numatics Motion Control **SC Series** Swing Clamps combine linear and rotary motions. A specially machined spline internal to the piston rod develops the combined motions. When the clamp is extended, a linear movement first happens. This removes the clamp tooling from the clamped surface so it is not damaged. After completing the linear travel, rotation occurs swinging the clamp arm away from the work holding area. When clamping, the opposite motions occur.

### A. Body

Hardcoat anodized aluminum, lightweight, durable PTFE impregnated, lubricated, maximizes seal life.

### B. Rod Bushing

Large bearing area provides maximum rod support, side load protected.

### C. Piston Rod

Hardened electroless nickel plated, corrosion resistant, durable low wearing surface.

### D. Clamp Arm

Taper mounted convenient arm adjustment, 360 degree adjustment.

### E. Mounting Surface

Convenient location precision machined to accept standard industrial fasteners.



## How to Order

	<b>SC</b>	<b>025</b>	<b>A</b>	<b>1</b>	<b>6</b>	<b>D</b>	<b>X</b>	
<b>Bore Size</b>	025 = 25 mm 032 = 32 mm 040 = 40 mm 050 = 50 mm 063 = 63 mm							<b>Special Options</b> X = No Options
<b>Arm Rotation</b>	A = CW B = CCW							<b>Sensing Position</b> A = Clamp B = Unclamp C = Clamp and Unclamp D = No Sensing E = Magnetic Piston - No Sensing
<b>Clamp Arm</b>	1 = Single 2* = Double *Not available on SC025.							<b>Sensing Type</b> Standard Cord Set 1 = Hall Effect - PNP (Sourcing) 2 = Hall Effect - NPN (Sinking) 3 = Reed Switch 6 = No Sensing Quick Disconnect Cord Set Z = Hall Effect - PNP (Sourcing) Y = Hall Effect - NPN (Sinking) X = Reed Switch

## Sensing Kits

Standard Cord Set Switch	Part No.
Hall Effect PNP (Sourcing)	PNP-FL2-00-U
Hall Effect NPN (Sinking)	NPN-FL2-00-U
Reed Switch	REED-FL2-00S

Quick Disconnect Cord Set	Part No.
Hall Effect PNP (Sourcing)	PNP-QDS-M8-U
Hall Effect NPN (Sinking)	NPN-QDS-M8-U
Reed Switch	REED-QDS-M8S
90° 5 meter cable	PXC90
Straight 5 meter cable	PXCST

See online PDF.