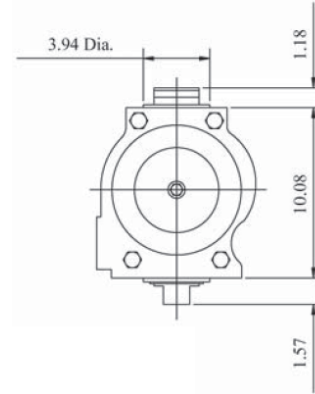
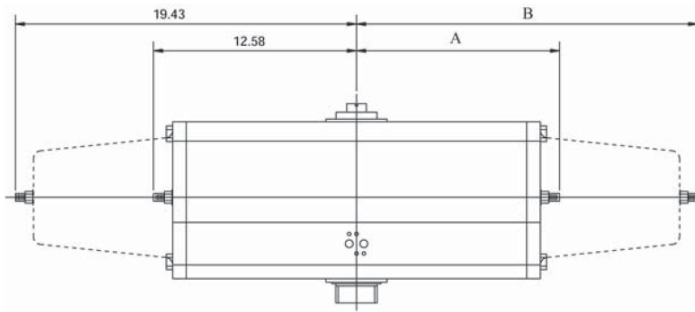




Scotch Yoke Design Pneumatic Actuators PN2500, PN3500, PS2500 & PS3500



Actuator Model No.	Dimensions (inches)			Cycle Times (secs/90°)		Volume (cu. in./90°)	
	A	B	Base Width	CW	CCW	CW	CCW
Double Acting							
PN2500	7.25	—	9.38	5	5	525	310
PN3500	12.58	—	9.38	9	9	650	585
Spring Return							
PS2500	—	7.25	9.38	5	5	525	310
PS3500	—	19.43	9.38	9	9	1650	585

Double Acting Torque (in-lbs)			
Actuator Model No./PSI	0°	40°	90°
PN2500			
60 psi	13627	7858	9196
80 psi	18734	8276	12456
100 psi	24411	10366	15382
PN3500			
60 psi	26919	12791	18141
80 psi	35864	17054	24160
100 psi	45060	21318	30196

Spring Return Torque (in-lbs)						
Actuator Model No./PSI	Air Break	Run	Air End	Spring Break	Run	Spring End
	0°	60°	90°	90°	30°	0°
PS2500						
60 psi	6890	2852	4039	7224	2974	4241
80 psi	9152	3784	5368	9592	3960	5632
100 psi	11510	4744	6758	12038	4972	7066
PS3500						
60 psi	13780	5702	8078	14449	5948	8483
80 psi	18304	7568	10736	19184	7920	11264
100 psi	22978	9486	13464	24076	11264	14132

$$\text{Air Consumption (scf per 90°)} = \frac{\text{Volume}}{1,728} \times \frac{\text{Supply Pressure} + 14.7}{14.7}$$

Notes:

- Accessory mounting holes are not intended for Manual Gear Overrides or Stop Blocks. Cycle times are under no load conditions. Air line size, air capacity and valve torque characteristics affect these cycle times. Faster or slower cycle times can be accomplished using special control components.