

### Air Actuators



Feature	Scotch Yoke	Rack & Pinion
Double Acting	5320	5300
Spring Return	5321	5301
Type	Quarter turn (90°)	Quarter turn (90°)
Working Principle	Piston driving crankshaft	Piston driving pinion shaft
Body Enclosure	Anodized aluminum	Anodized aluminum
Shaft	Nickel plated steel alloy	Nickel plated steel alloy
Piston	Cast, anodized aluminum	Cast, anodized aluminum
Seals	NBR	NBR
Torque Curve	Highest at beginning/end of stroke	Essentially constant throughout stroke
Positioning Applications	Not recommended	Suitable
Physical Size	Longer	Shorter
Spring adjustment	External	Internal
Cost	Lower	Higher
Output Torque	Higher	Lower
Scalability	Highly scalable	Limited
ISO 5211 Mounting Flange	Standard	Standard
IP Rating	IP66 & IP68	IP67
Temperature Range	-4 to 167° F (-20 to 75° C)	-4 to 180° F (-20 to 82° C)



5321 Series

### Air Actuator Selection