



















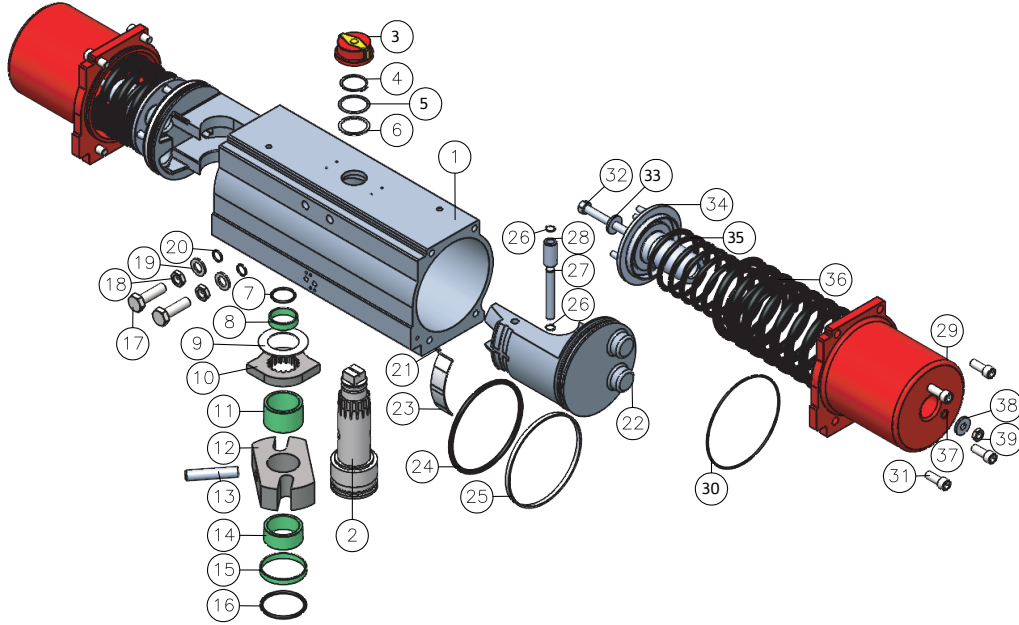








# Pneumatic Scotch Yoke Actuator Series 228



## Parts & Materials (Cont.) – Scotch Yoke (228-3R-3500)

No.	Description	Qty.	Standard Materials	Options	Repair Kit
28	Piston Roller	2	Nitriding Bearing Steel		
29	End Cap	2	Epoxy Coated AC2B-F		
30	End Cap O-Ring	2	Nitrile Buna (NBR)	Viton® (FKM) or Silicone	
31	End Cap Bolt	8	304 Stainless Steel		
32	Pre-Tensioning Bolt	2	Electroless Nickel Plated SCM 435		
33	Spring Guide Washer	2	Electroless Nickel Plated SPCC		
34	Spring Guide	2	AC2B-F		
35	Inner Spring	*	SUP 10		
36	Outer Spring	*	SUP 10		
37	Pre-Tensioning O-Ring	2	Nitrile Buna (NBR)	Viton® (FKM) or Silicone	
38	Pre-Tensioning Washer	2	Electroless Nickel Plated SPCC		✓
39	Pre-Tensioning Nut	2	304 Stainless Steel		

\*Varies by size and pressure rating.



# Pneumatic Rack & Pinion, and Scotch Yoke Actuator Series 228



## Example: 228-3K-80SC4B

The designation for an ASC Series 228, fail clockwise, model 80, spring return, rack & pinion actuator with buna seals, 4 springs and travel stops in both directions, is: 227-3K-80SC4B.

## How to order Series 228

228	-	3K	-	80	SC	4	B	
Series		Model & Mounting		Size	Action	Springs per Side	Seals	Options & Suffixes
<b>Series</b>		<b>Size</b>		<b>Action</b>		<b>Springs per Side</b>		<b>Seals</b>
228	Pneumatic Actuator with Dual Travel Stops		Rack & Pinion	SC	Spring Return, Fail Clockwise (CW)	No Code <blank>	DA & DR	B <Std> Buna [standard] -5°F to 175°F
<b>Model &amp; Mounting</b>				<b>Non-Standard</b>		Rack & Pinion SC, SO		<b>Non-Standard</b>
			10 **		DA			V Viton® 0°F to 300°F
			20 **		SO			L Low temperature Silicone (-45°F to 175°F)
3K	Direct mount to many ABZ-BFV		40 *		DR			
			80 *			1	1 spring	
			130 *			2	2 springs	
			200 *			3	3 springs	
			300 *			4	4 springs	
			500 *			5 <Std>	5 springs	
			700 *			6	6 springs	
			850 *			Scotch Yoke SC, SO		
			1000 *			60	60 psi spring	
			1200 *			80 <Std>	80 psi spring	
			1750 **			100	100 psi spring	
			2400 **					
			2700 **					
			3300 **					
			Scotch Yoke					
			2500 **					
			3500 **					
			* = 3K					
			** = 3R					
								<b>Options &amp; Suffixes</b>
								No Code <blank> Standard 1/8" NPT 10 thru 40 1/4" NPT 80 thru 3500
								E Extra long travel stops (1)
								1 1/4" NPT Port (2)
								2 3/8" NPT Port (size 3K/R 80 and larger)
								3 1/2" NPT Port (size 3K/R 300 and larger)
								4 3/4" NPT Port (size 3K/R 1000 and larger)
								5 1" NPT Port (size 3K/R 2400 and larger)
								N Electroless Nickel Plating
								P PTFE Coating
								Y Epoxy Coating
								S Addition to one spring on one side (1)

**Note:** Responsibility for proper selection, use and maintenance of any product remains solely with the purchaser and end user. We reserve the right to modify or improve the designs or specifications of any product at any time without notice.

### Notes:

(1) Not available for size 3R-10, 3R-2500 or 3R-3500

(2) 1/4" NPT Port Option (size 3K-40)



### **About ASC Engineered Solutions**

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Golvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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