



3R3500 Output Torque (in*lbs) per Air Supply (psi)

			3R3500SR	3R3500SO	Double Acting
			(Spring CW)	(Spring CCW)	
60 psi	Air Torque (in*lbs)	Break (0°)	19,700	15,000	26,650
		Min	8,000	8,200	13,330
		End (90°)	11,200	12,000	23,200
	Spring Torque (in*lbs)	Break (90°)	12,000	12,400	-
		Min	5,000	4,600	
		End (0°)	6,900	5,410	
80 psi	Air Torque (in*lbs)	Break (0°)	24,500	19,000	35,550
		Min	9,500	10,200	17,750
		End (90°)	12,800	12,800	30,960
	Spring Torque (in*lbs)	Break (90°)	18,100	15,600	-
		Min	7,900	7,200	
		End (0°)	11,000	8,400	
100 psi	Air Torque (in*lbs)	Break (0°)	29,450	-	44,440
		Min	11,956	-	22,200
		End (90°)	16,010	-	38,700
	Spring Torque (in*lbs)	Break (90°)	22,698	-	-
		Min	10,266	-	
		End (0°)	14,990	-	

Weight (lbs)	DA	125.0
	SR	195.0
Volume (in ³ per 90°)	CW	650.0
	CCW	585.0
Cycle Time (seconds per 90°)	DA	9.0
	SR	9.0

Direct Acting:
 Pressure at port P1 will result in a clockwise rotation
 Pressure at port P2 will result in a counter-clockwise rotation
 Reverse Acting:
 Pressure at port P1 will result in a counter-clockwise rotation
 Pressure at port P2 will result in a clockwise rotation

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.

	9955 INTERNATIONAL BLVD. CINCINNATI, OHIO 45246 PHONE: (513) 247-5465 FAX: (513) 247-5462	DRAWN BY KWT DATE 08/19/21	CHECKED BY NPM DATE 08/19/21	RELEASED BY NPM DATE 08/19/21	VALVES, ACTUATORS, AND AUTOMATION CONTROLS	SHEET 1 of 1	
	DO NOT SCALE DRAWING 	DESCRIPTION 3R3500 DIMENSIONAL DRAWING AND TORQUE DATA				MATERIAL	DRAWING NO. P03955

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