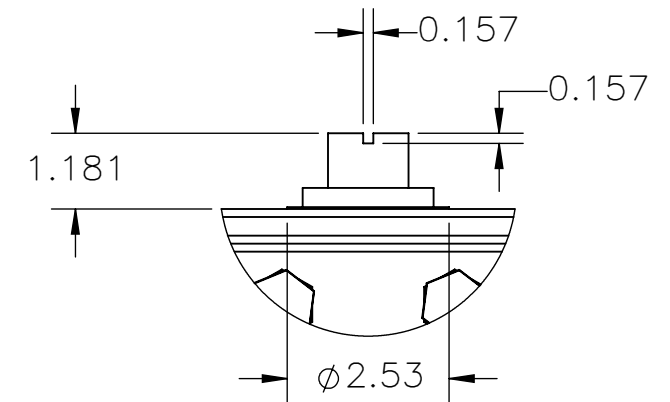
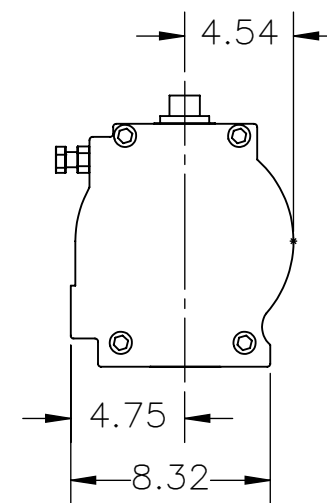
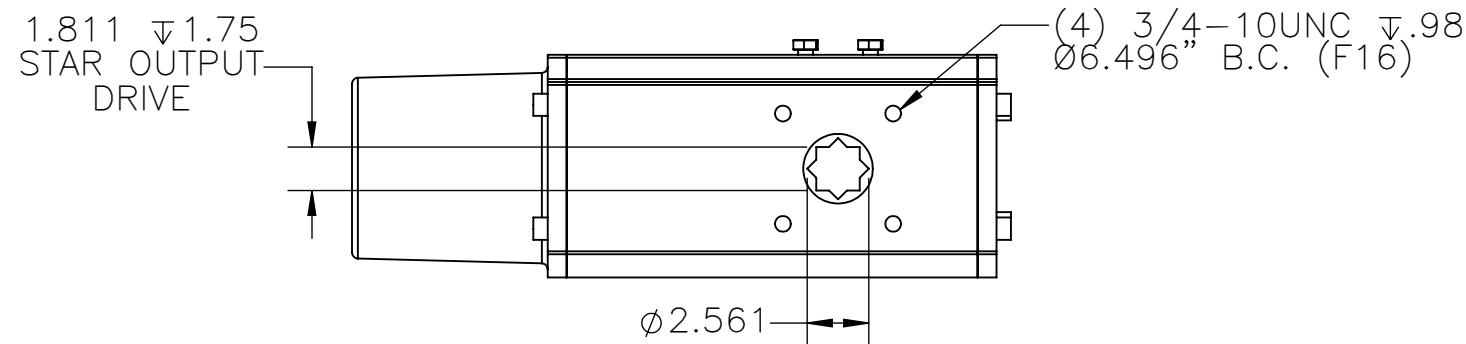
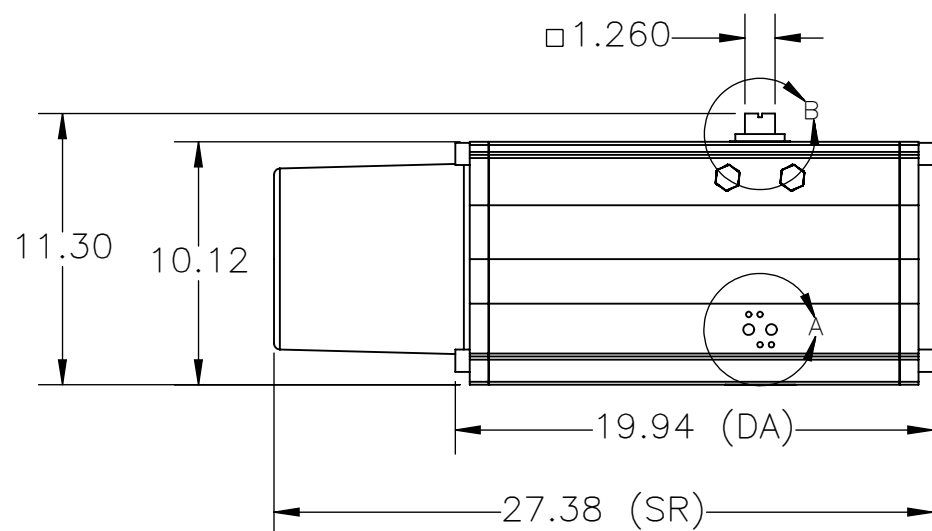


DETAIL A
SCALE 1 : 3



DETAIL B
SCALE 1 : 3



Weight (lbs)	DA	98.0
	SR	137.0
Volume (in ³ per 90°)	CW	525.0
	CCW	310.0
Cycle Time (seconds per 90°)	DA	5.0
	SR	5.0

3R2500 Output Torque (in*lbs) per Air Supply (psi)

Air Supply (psi)	Torque Type	Angle	3R2500SR	3R2500SO	Double Acting
			(Spring CW)	(Spring CCW)	
60 psi	Air Torque (in*lbs)	Break (0°)	9,854	7,522	13,334
		Min	4,000	4,160	6,667
		End (90°)	5,612	6,000	11,610
	Spring Torque (in*lbs)	Break (90°)	6,000	6,240	-
		Min	2,500	2,330	
		End (0°)	3,480	2,760	
80 psi	Air Torque (in*lbs)	Break (0°)	12,258	9,500	17,778
		Min	4,750	5,110	8,890
		End (90°)	6,403	6,432	15,483
	Spring Torque (in*lbs)	Break (90°)	9,080	7,800	-
		Min	3,950	3,600	
		End (0°)	5,520	4,200	
100 psi	Air Torque (in*lbs)	Break (0°)	14,728	-	22,223
		Min	5,978	-	11,110
		End (90°)	8,005	-	19,350
	Spring Torque (in*lbs)	Break (90°)	11,349	-	-
		Min	5,133	-	
		End (0°)	7,495	-	

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.



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DRAWN BY	CHECKED BY	RELEASED BY
KWT	NPM	NPM
DATE 08/19/21	DATE 08/19/21	DATE 08/19/21

VALVES, ACTUATORS, AND AUTOMATION CONTROLS

SHEET 1 of 1

DO NOT SCALE DRAWING

DESCRIPTION
 3R2500 DIMENSIONAL DRAWING AND TORQUE DATA

MATERIAL

DRAWING NO. P03954

REVISION

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