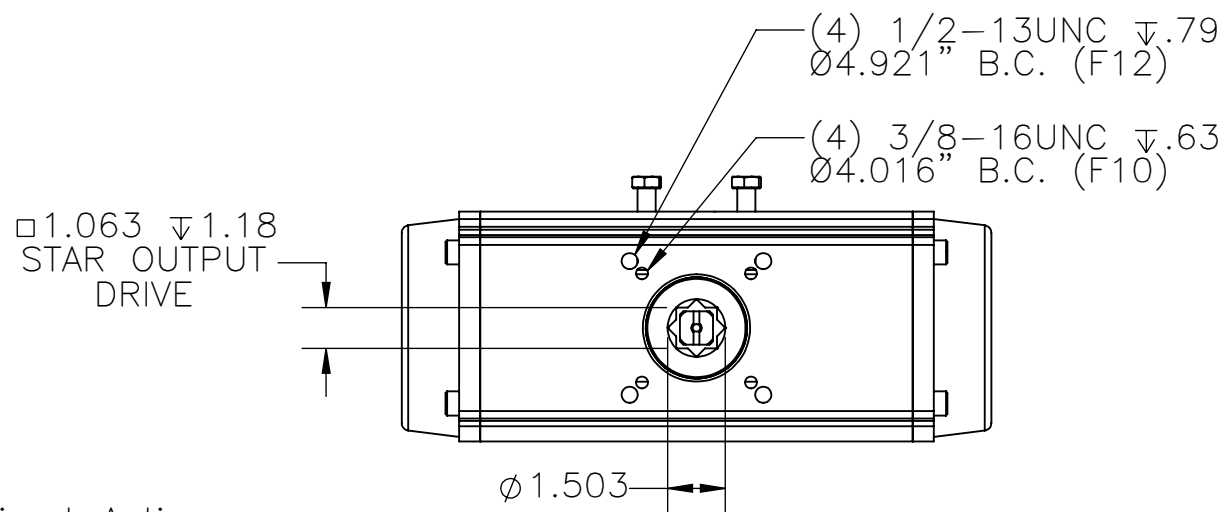


| | | |
|----------------------------------|-----|-------|
| Weight (lbs) | DA | 29.6 |
| | SR | 33.8 |
| Volume (in ³ per 90°) | CW | 200.8 |
| | CCW | 162.3 |
| Cycle Time (seconds per 90°) | DA | 2.5 |
| | SR | 2.5 |



3R500 Output Torque (in*lbs) per Air Supply (psi)

| | Springs per Side | Spring Torque | | 40 psi | | 60 psi | | 80 psi | | 100 psi | | 120 psi | |
|--|----------------------|---------------|-------|--------|-------|--------|-------|--------|-------|---------|-------|---------|-------|
| | | End | Break | End | Break | End | Break | End | Break | End | Break | End | Break |
| | 2 | 576 | 865 | 1164 | 1454 | 2178 | 2468 | 3193 | 3483 | 4207 | 4497 | - | - |
| | 3 | 863 | 1298 | 731 | 1166 | 1746 | 2180 | 2760 | 3195 | 3775 | 4209 | - | - |
| | 4 | 1151 | 1730 | 299 | 878 | 1313 | 1892 | 2328 | 2907 | 3342 | 3922 | - | - |
| | 5 | 1439 | 2163 | - | - | 881 | 1605 | 1895 | 2619 | 2910 | 3634 | - | - |
| | 6 | 1727 | 2596 | - | - | 448 | 1317 | 1463 | 2331 | 2477 | 3346 | - | - |
| | Double Acting | - | | 2029 | | 3044 | | 4058 | | 5073 | | 6087 | |

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.



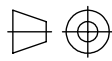
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 PHONE: (513) 247-5465
 FAX: (513) 247-5462

DRAWN BY SJK CHECKED BY NPM RELEASED BY NPM
 DATE 07/13/21 DATE 07/14/21 DATE 07/14/21

VALVES, ACTUATORS, AND AUTOMATION CONTROLS

SHEET 1 of 1

DO NOT SCALE DRAWING



DESCRIPTION
 3R500 DIMENSIONAL DRAWING AND TORQUE DATA

MATERIAL
 DRAWING NO. P03922
 REVISION

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