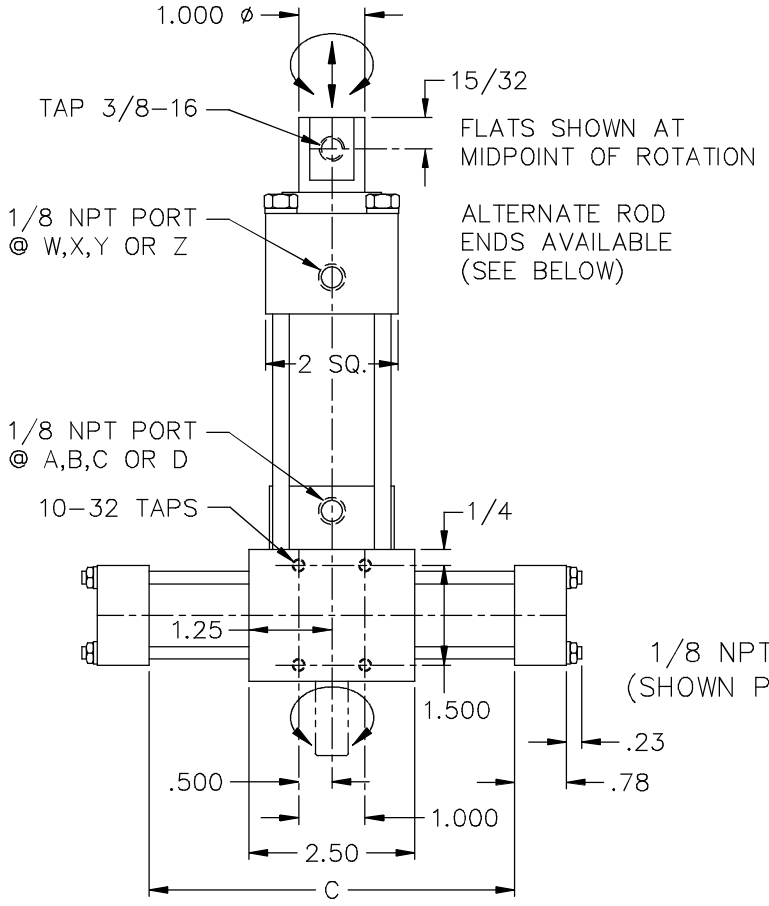
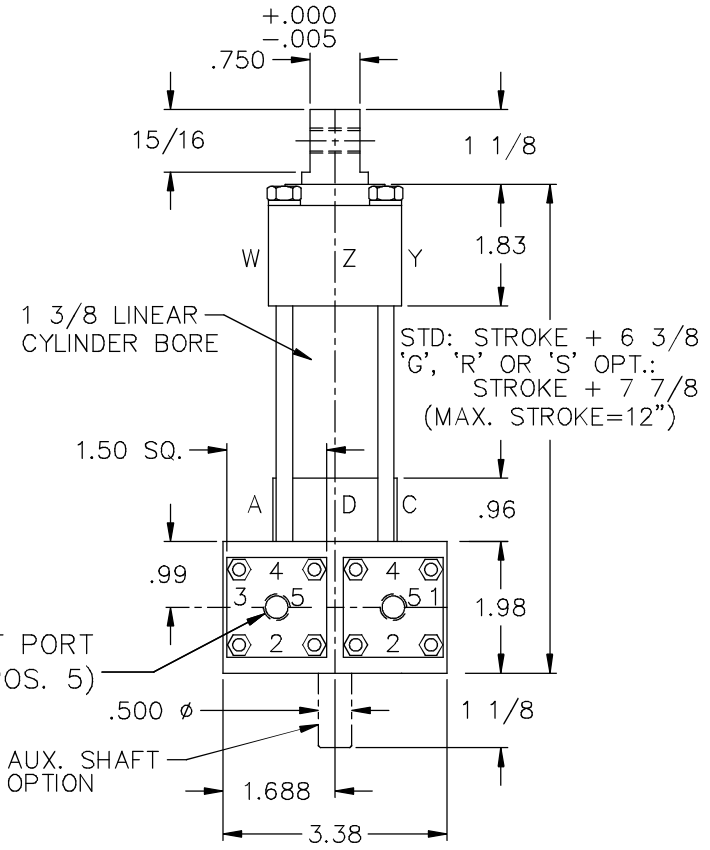
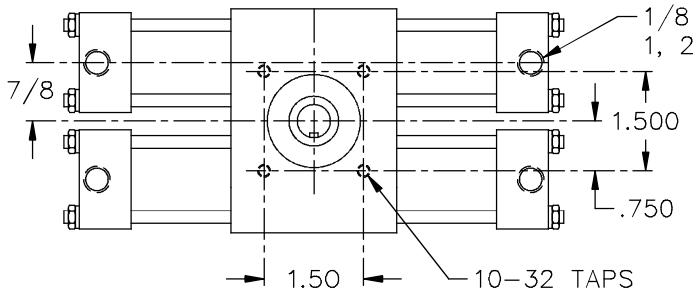
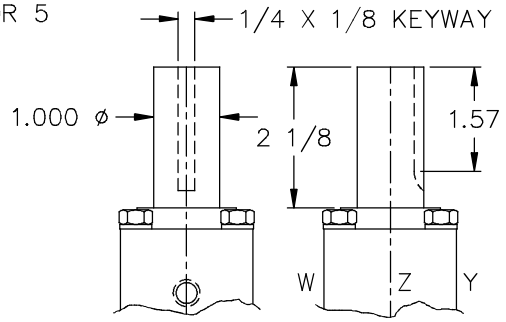
PA22 PICK & PLACE ACTUATOR









OPTIONAL ROD END (WORKS WITH SMA–10)
SHOWN AT MIDPOINT OF ROTATION

	'C' DIMENSION		ADD TO 'C' DIMENSION PER SIDE		
ROTATION	STD.	'G', 'R' OR 'S' OPT.	'Q' OPT.	'Q' & 'A' OPT.	'HP' OR HVY. DUTY OPT.
30°	3.40	6.16	.06	.22	.50
45°	3.72	6.33			
60°	4.05	6.49			
90°	4.70	6.49			
100°	4.92	6.49			
120°	5.36	6.49			
180°	6.67	7.67			
190°	6.89	7.89			
270°	8.63	9.63			
360°	10.60	11.60			
370°	10.81	11.81			
540°	14.52	15.52			
550°	14.74	15.74			
720°	18.45	19.45			
730°	18.67	19.67	.06	.22	.50

RATINGS	
Torque Factor (Retract): in. lb./p.s.i.	.91
Torque Factor (Extend): in. lb./p.s.i.	.79
Force Factor (Retract): lb.	.70
Force Factor (Extend): lb.	1.48
Max. Working Pressure: p.s.i.	250
Max. Torque (Non–shock): in. lb.	200
Rotation Tolerance: deg.	–0 / +3
Back Lash @ End of Stroke: deg.	2
Displacement (Rotary): $in.^3/deg.$	.0172
Working Temperature Range: °F	0 – 180
Weight 180°, 2" stroke, std. unit: lb.	6.7

UNCONTROLLED IMPACT CAN CAUSE DAMAGE.
LIMIT BOTH ROTATIONAL & LINEAR SPEEDS BY USE OF FLOW CONTROL IN EXHAUSTING CYLINDER.

MAGNETIC SWITCH OPTIONS

Reed (G) and solid state switches (R or S) are available on rotary and linear sections of unit. Switches mount to cylinders; place as required for access and phasing.

NOTES:
1. Stop tubes are available to stabilize the extended shaft. Standard lengths are 1" and 2"; add to unit height. Sleeves for switch magnets serve the same function.
2. Allen wrench clearance at flow control & adjuster screws not shown.
3. Needle valve projects approximately 5/8" at 1, 2, 3 or 4 (See option pages). Write preferred location; may differ end to end.