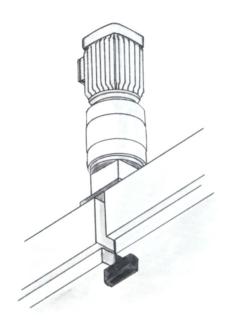
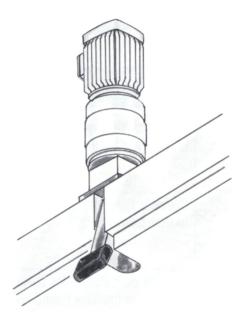




Electro-Mechanical Swing-Out Clamp

Optima's ESS Swing-Out Clamp represents the culmination of 25 years experience in the tool clamping field. These electro-mechanical units offer the highest degree of operational safety with unmatched reliability and clamping versatility. The unique advantages of these self contained units (no external power sources, i.e. hydraulics, required) make them ideal for both OEM and retrofit applications.

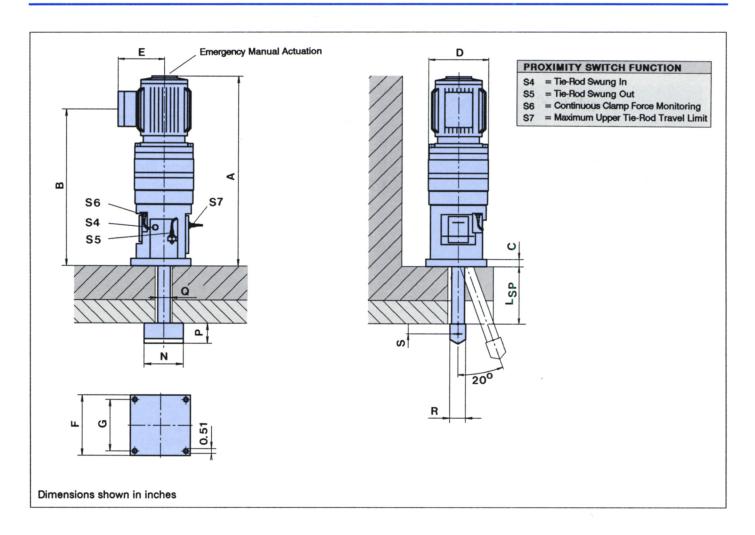




Features:

- Compact Design
- High Clamp Forces
- Continuous Clamp Force Monitoring
- Simple Installation (2 cables) No external power source required (no lines, valves, pumps, etc.)
- High Clamping Tolerance (±.30 inches)
- Mechanically Self Locking (power is only required during clamp/unclamp operation)
- Trouble Free Operation
- High Operational Safety
- Emergency Manual Operation
- Electrical Monitoring of All Important Functions

Technical Data:



ТҮРЕ	Clamp force (tons)	Holding capacity (tons)	Stroke S	Motor- power (hp)	A	В	С	D	E	F	G	LSP	N	P	Q	R	Weight (lbs.)
ESS 60	6.6	11	0.59	0.75	18.30	14.17	0.79	5.90	4.02	6.30	5.12		2.48	0.98	0.94	0.98	66
ESS 120	13.2	22	0.59	1.00	19.49	15.19	0.79	6.30	4 .88	6.30	5.12		3.15	1.18	1.26	1.42	77
ESS 240	26.4	33	0.59	2.00	21.61	17.32	0.79	6.30	4.88	6.30	5.12		3.86	1.97	1.42	1.65	77

^{*} Customer specified

Motors:

Standard 3-phase motors Voltage 460V/60 Hz DF 3%-15%

n = 3000 rpm

Limit Switches:

4 "Balluff" proximity switches Voltage 24V Cable lenght 10 ft.

Temperature:

Applications up to 160°F

Mounting:

For installation please use 4 socked head cap screws (1/2", Grade 8)