

Models 840, 841

Designed for high production applications, these toggle action pneumatic clamps offer exceptional clamping forces and holding capacities – far greater than other clamps of similar size. And unlike most pneumatic toggle clamps, they do not require greater pressure to open than to close.

Of special importance in the design of the Series 840 is the oval cylinder. Because of the extremely narrow profile of these clamps, they can be used in cramped quarters or can be ganged closer together in multiple installations.

The even numbered models in this series feature a 180° clamping arm which travels to an over-center locked position parallel (180°) to the clamp centerline. The corresponding odd numbered models have a 90° arm. The angular locked position of both versions is precisely controlled by the hardened steel insert. Clamp arms can be machined, drilled, cut off or welded to suit the application requirements.

Models 840 and 841 are tongue-mount clamps.

ALSO AVAILABLE	
Switch Options	Page 13.5
See accessories beginning on pages 9.1 and 13.1.	

Magnetic Ring
Now A
Standard Feature

58400
Model 840



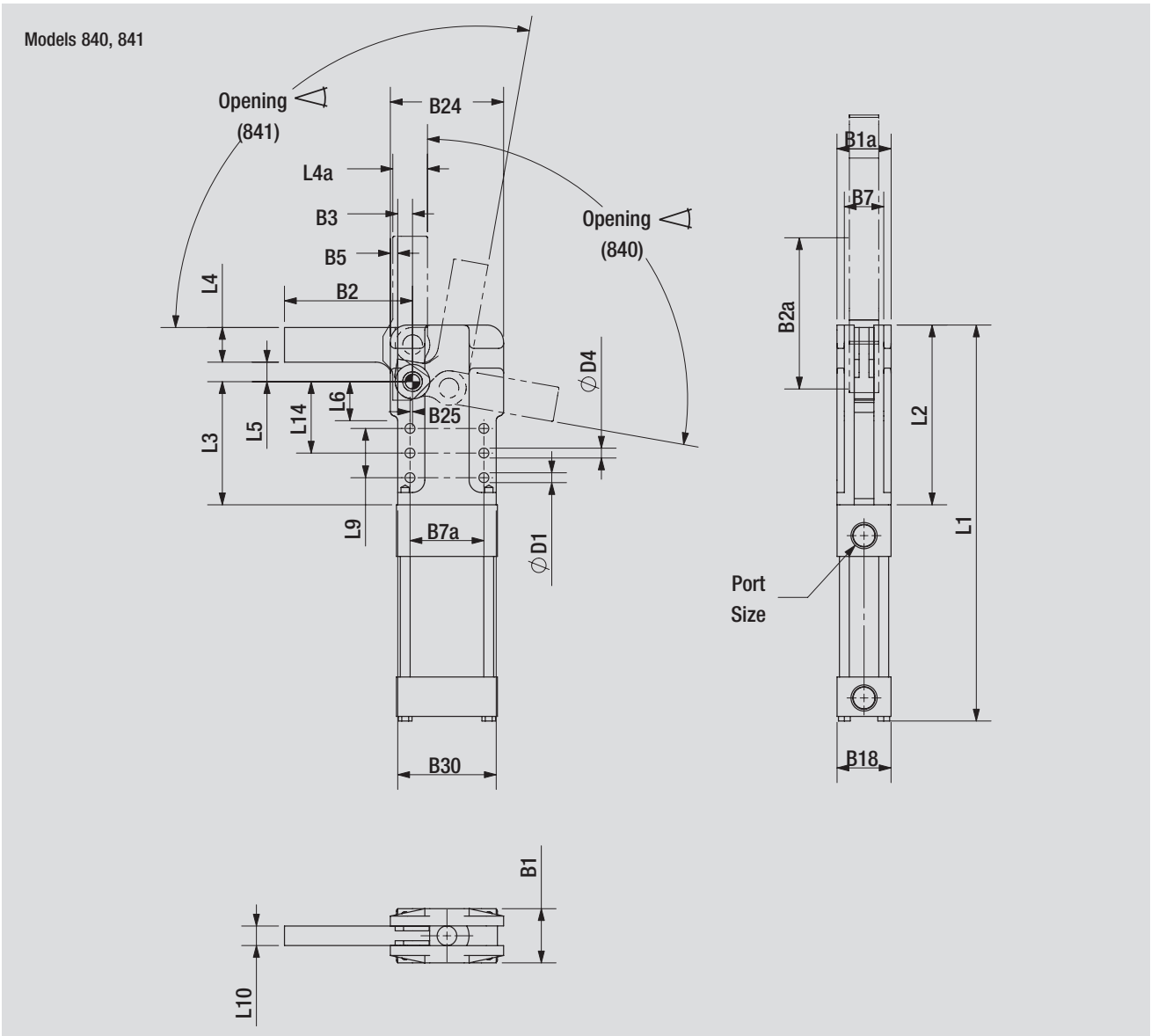
58410
Model 841



Design Xtra	Formula to Calculate Exerting Force	
Model no.	$\frac{\text{Max. Clamp Arm} \times 12 \times \text{Line Pressure (PSI)}}{\text{Exerting Force (lbs.)} \times \text{Distance from Pivot Point to Clamping Point (in.)}}$	
840		
841		

Model no.	Holding Capacity max. [lbs.]	Exerting Force max. @ 80 PSI	Piston – [in.]	Arm Position	Weight [lbs.]	Port Size NPT	B1	B1a	B2	B2a	B3	B5	B7	B7a	B18
840	1,500	480	1.50	100°	3.90	3/8	1.38	1.38	–	3.69	0.38	0.19	1.00	1.88	1.37
841	1,500	480	1.50	100°	4.25	3/8	1.38	1.38	3.25	–	0.38	0.19	1.00	1.88	1.37

Model no.	B24	B25	B30	øD1	øD4	L1	L2	L3	L4	L4a	L5	L6	L9	L10	L14
840	2.88	0.06	2.50	0.25	0.25	10.05	4.56	3.13	–	0.88	–	0.88	1.25	0.50	1.81
841	2.88	0.06	2.50	0.25	0.25	10.05	4.56	3.13	0.88	–	0.49	0.88	1.25	0.50	1.81



Spare parts

Model no.	Seal kit	Cylinder
840	8410400	840CYL
841	8410400	840CYL

Diagram of Exerting Force (at 80 PSI)

