

## SL Series of Hydraulic System - Compression only

### Test Type

Compression

### Interfaces

Proterm, VMC and Horizon Software



Tinius Olsen's popular line of SL hydraulic testing machines are complemented by a series of compression only test frames. These frames have the same robust design, quality materials and precision engineering as the tension and compression frames, but test in compression only.

The Tinius Olsen SL series stands out because of its accuracy, dependability and power. Its efficient footprint size and nominal maintenance comes from the patented dual low pressure hydraulic loading system which delivers exacting control of movement be it under constant speed, stress or strain rate control. All SL systems meet ASTM, ISO, GOST, GB and other international standards in terms of accuracy.

Accuracy is within or better than  $\pm 0.5\%$  of applied force from 0.2% to 100% of frame capacity.

# Interface Options

## Horizon Software

Horizon materials testing software provides an efficient environment through which to perform compression tests, view live data throughout the test, analyze results, report and pass the results to interested parties across a network as data stream or a network data base or in the form of pass/fail alerts.



## Proterm

Familiar handheld interface that is tethered to the machine. With its larger, tactile, sealed keypad, this interface is ideal for operators who use gloves to load and unload specimens and prefer a push button keypad. It requires virtual machine control software running on a connected PC to operate the basic machine functions and report basic numerical test data.



## TO order numbers

09001320	Model 300SL, Compression only, includes 6" Solid Compression Platen and Proterm
09002620	Model 600SL, Compression Only
09009420	Model 1000SL, Compression Only
09010620	Model 2000SL, Compression Only

## Specifications

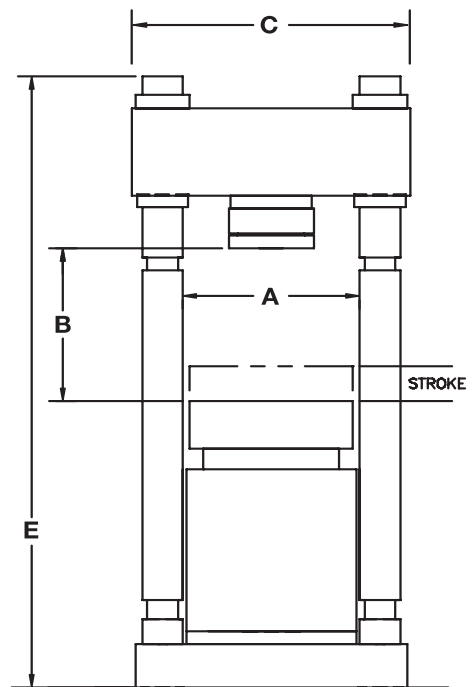
		300SLC	600SLC	1000SLC	2000SLC	
<b>Capacity</b>	kN	300	600	1,000	2,000	
	lbf	60,000	120,000	200,000	400,000	
	kgf	30,000	60,000	100,000	200,000	
<b>Machine specifications</b>	Stroke					
	in	6	6	9	9	
	mm	152	152	229	229	
	Testing speed					
	in/min	0-3	0-3	0-3	0-3	
	mm/min	0-76	0-76	0-76	0-76	
<b>Load frame dimensions (A)</b>	Clearance between screws					
	in	14	20	22	22	
	mm	256	508	559	559	
	<b>(B)</b>	Standard opening				
		in	22	24	24	24
		mm	559	610	610	610

# Specifications

		300SLC	600SLC	1000SLC	2000SLC
<b>(C)</b>	Width				
	in	29	30	34	34
	mm	737	762	851	851
<b>(D)</b>	Depth				
	in	19	25	24	24
	mm	483	635	610	610
<b>(E)</b>	Height <sup>1</sup>				
	in	67	73	79	79
	mm	1691	1860	2013	2013
<b>Machine weight</b>	Net				
	lbs	1050	3750	6320	6320
	kg	476	1700	2867	2867
<b>Console</b>	Width				
	in	35	35	48	48
	mm	915	915	1219	1219
	Depth				
	in	14	14	14	14
	mm	356	356	356	356
	Height				
	in	40	40	40	40
	mm	1016	1016	1016	1016

**Notes:**

1. Add D or E as applicable and add stroke
2. These systems can be floor- or pit- mounted to meet customer testing requirements; pit mounting may require additional components
3. Specifications subject to change without notice



Schematic of load frame. Refer to table for actual dimensions.