



Levalators

Precision Levelling mounts

For more information visit: www.farrat.com

Why choose Farrat Levalators?

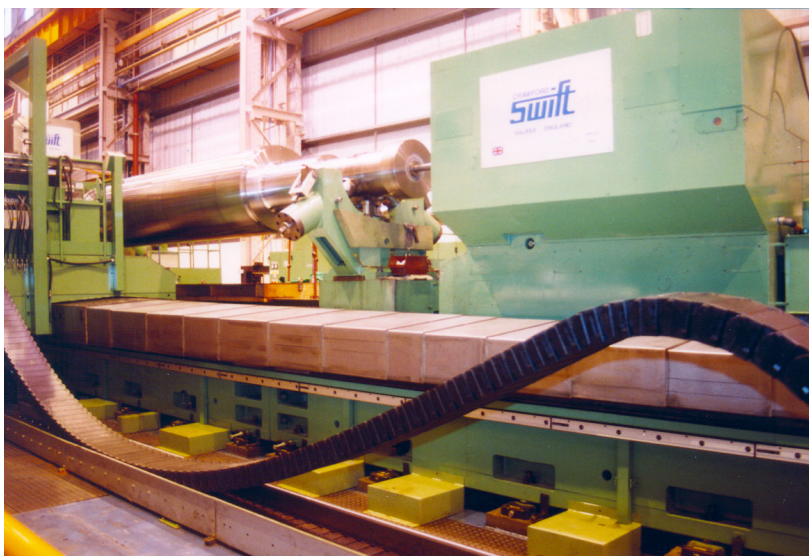
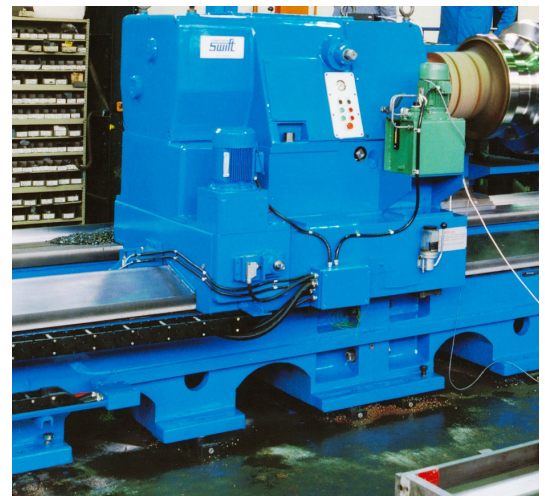
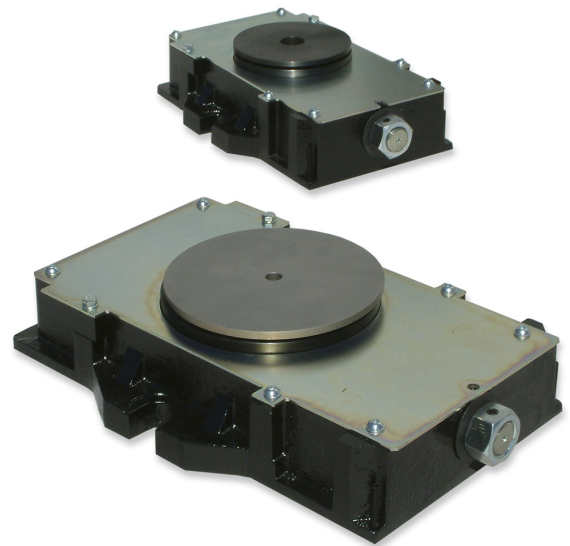
Levalators improve large, precision and long bed machinery performance by increasing alignment accuracy, rigidity and stability. Large machines generally need good foundations both to re-inforce the machine bed and to reduce vibration by mass damping. Levalators are the vital connection between machine and foundation enabling machine and foundation to become one unit. A machine on weak supports may as well not have a foundation.

Levalators can be fully grouted in, thus achieving a virtually built-in or encastré support which considerably increases the stiffness of the machine base and creates complete machine foundation integration.

Features

The most accurate method of precision alignment

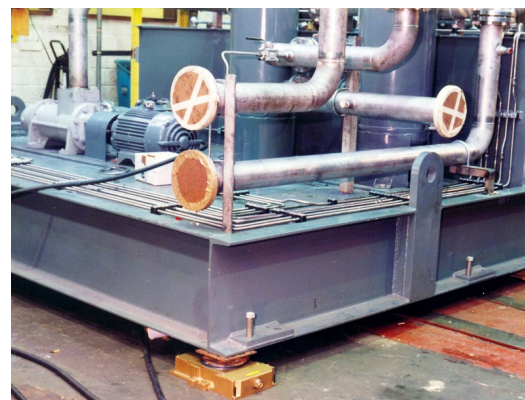
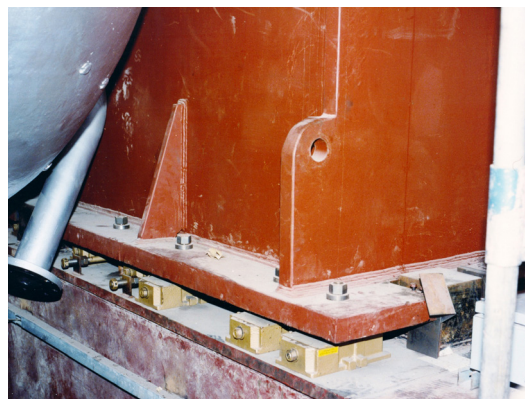
- > Rigid support for maximum machine bed stiffness
- > Total machine-to-foundation integration
- > Low overall height to ensure a low machine centre of gravity
- > Systemised and predictable precision machine installation
- > Precision adjustment to obtain very fine alignment
- > High bolt tensions without bed distortion
- > Micrometer type height adjustment range of 12mm
- > Facility to carry out subsequent alignment readjustments
- > For machines with significant changes in load distribution
- > No horizontal forces applied when adjusting
- > High ratio of lifting force to adjustment torque
- > Developed and manufactured by Farrat
- > Used for decades in countless applications worldwide



Typical Applications

- > Long bed machine tools
- > Roll grinders
- > Lathes
- > Plano-millers and grinders
- > Machining centres
- > Turbomachinery
- > Steam Turbines
- > Gas Turbines
- > Rolling mills
- > Large process machinery

Full technical data sheet is available on request. Please call us on:
+44 (0) 161 924 1600 or email sales@farrat.com

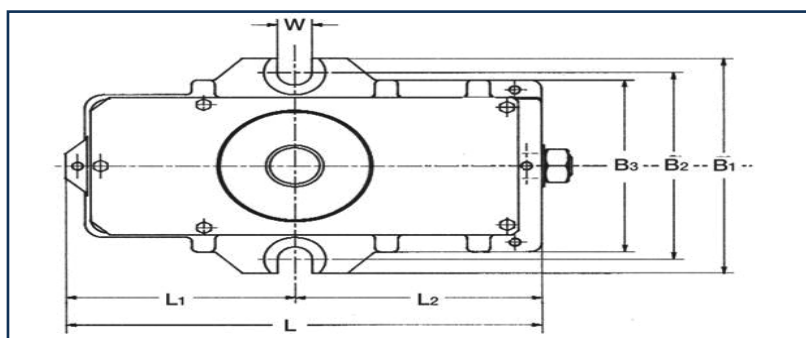


Technical Data

Levalator - Load Capacity							
	Max Ultimate Load per Unit*	Max Share of Machine Weight	Max Lifting Capacity	Specific Adjustment Torque	Maximum Adjustment Torque	Height Adjustment per full turn	Vertical Stiffness
	kN	kN	kN	Nm/10kN	Nm	mm	N/μm
LA4	240	40	80	4	100	0.40	2500
LA8	400	80	160	7.7	115	0.25	6500
LA16	600	160	200	8.9	200	0.25	8000

* Max ultimate load made up of: Machine + Workpiece + Bolt Tension + Moment + Dynamic Forces

Levalator - Dimensions											
	L	L1	L2	B1	B2	B3	W	Hmid	Hmin	Hmax	Adjustment
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
LA4	247	119	128	156	135	128	18	75	69	81	±6.0
LA8	305	145	160	210	185	170	23	82	76	88	±6.0
LA16	370	180	190	260	230	210	26	84	78	90	±6.5



All information in this brochure is for guidance only based on current knowledge and may be subject to change and correction.