▼ Shown: **BLS1006**

- **Climbing Jacks include integral tilt saddles with maximum tilt angles up to 5°**
- **Large base with anti-rotation rod for stability and safety**
- **Built-in safety valve prevents accidental over-pressurization**
- **Baked enamel finish for increased corrosion resistance**
- **CR400 couplers included on all cylinder models**

▼ *Synchronous Stage Lifting: 48 double-acting jacks (25 and 50 ton) are networked into a 16 point synchronous system to lift this 164-feet, 1100-ton building up to a height of 8-feet to construct a new floor level.*

A Simple Solution to Incremental Lifting

Lifting Height

Climbing Jacks overcome the usual limitation of lift height imposed by the jack's plunger stroke length. Large objects, such as oil tanks, can be lifted, held and lowered for maintenance without sending for a crane.

Split-Flow Pumps

SFP-Series Pumps with multiple outlets with equal oil flow. For lifting applications on multiple points Split-Flow Pumps are a far better alternative than using independently operated pumps.

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EVO-Series, Synchronous Lifting Systems

The EVO-system is the safest system for multi-point lifting, provided synchronized control over lifting stroke with a wide variety of features and functions.

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Jack-Up System

For incremental lifting with higher lifting capacities and up to 66 feet lifting height, see our JS-Series Jack-Up Systems.

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Cylinder Capacity (tons)	Stroke (in)	Model Number	Max. Cylinder Capacity (tons) Push	Pull
55	5.91	**BLS506**	55	12
105	6.34	**BLS1006**	105	48
154	5.94	**BLS1506**	154	74
220	5.94	**BLS2006**	220	113

Double-Acting Climbing Jacks

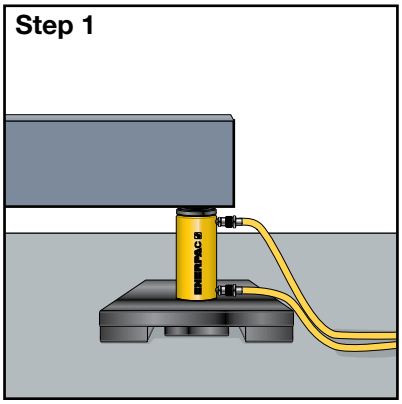
◀ *Typical stage-lift application using a custom built Enerpac system to lift the 360 ton Akkerwinde wooden bridge in the Netherlands.*

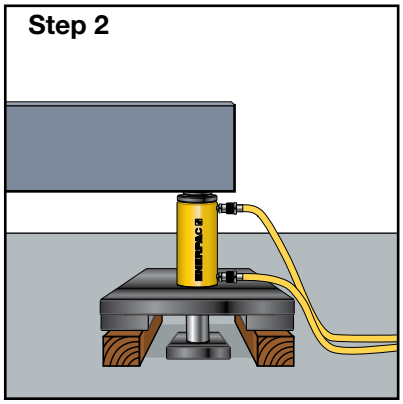
BLS Series

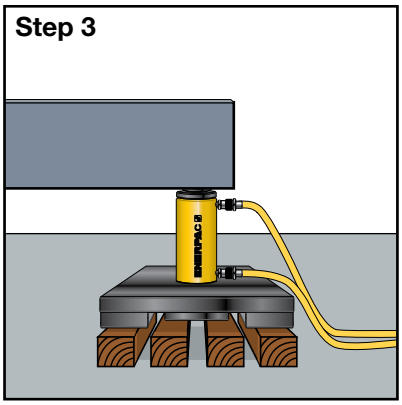
Capacity per Lifting Point:
55 - 220 tons

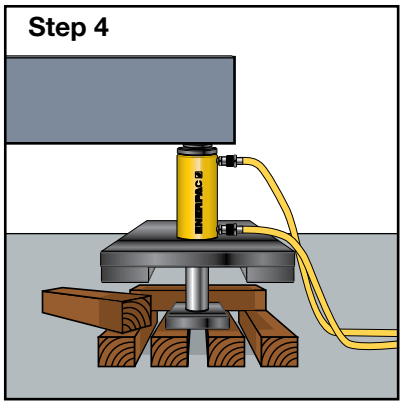
Stroke per Stage:
5.91 - 6.34 inches

Maximum Operating Pressure:
10,000 psi









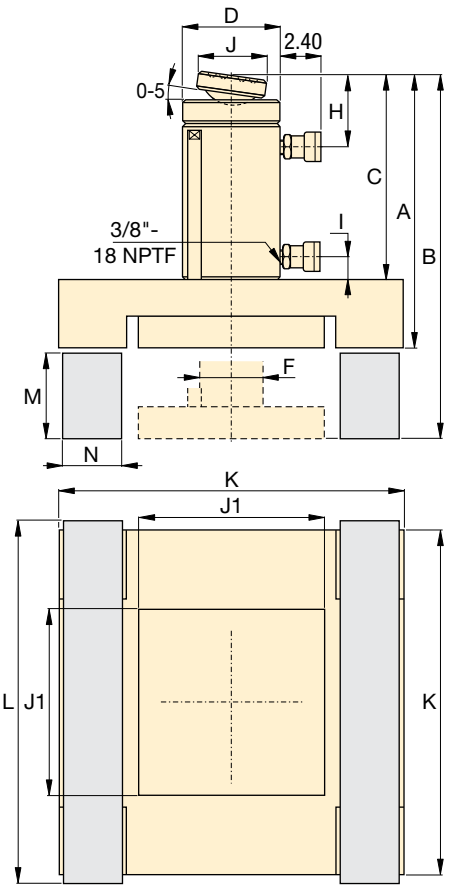
▲ Stage Lifting Sequence

Step 1: The Climbing Jack is placed on a solid support under the load (retracted plunger).

Step 2: Plunger extends, lifting the load and giving clearance to insert two outer blocks under the spreading plate.

Step 3: Plunger retracts, giving clearance to position the central blocks which will support the plunger plate for the next extension.

Step 4: Plunger extends, lifting the load, giving clearance to insert two new blocks, placed crosswise under the spreading plate.



Cylinder Effective Area (in²)		Oil Capacity (in³)		Climbing Jack Dimensions (in)										Support Blocks * and Dimensions (in)				Wt.	Model Number
Push	Pull	Push	Pull	A	B	C	D	F	H	I	J	J1	K	Material	L	M	N	(lbs)	
11.04	3.33	67.80	20.44	15.98	21.89	12.52	5.00	3.11	2.24	1.42	1.97	9.45	20.28	Azobe Wood	22.24	5.51	4.72	375	**BLS506**
20.66	9.64	136.57	63.77	17.52	23.86	13.50	6.97	3.74	2.99	0.94	2.80	12.99	26.38		28.35	5.91	6.30	695	**BLS1006**
30.71	14.79	188.56	90.80	18.58	24.57	14.57	8.00	4.49	3.70	1.54	5.12	9.06	18.70	Solid aluminum or steel	19.69	5.51	4.53	710	**BLS1506**
44.21	22.50	264.35	134.80	20.08	26.02	15.24	9.76	5.24	4.02	1.46	5.12	10.63	21.65		22.64	5.51	5.31	825	**BLS2006**

* Support blocks are not supplied by Enerpac.