▼ BLS1006

A Simple Solution to Incremental Lifting

- **Climbing jacks include integral tilt saddles with maximum tilt angles up to 5 degrees**
- **Large base plate with anti-rotation rod for stability and safety**
- **Built-in safety valve prevents accidental over-pressurization**
- **Ideal in combination with the stage lift work mode of the EVO-Series synchronous lifting system**
- **Baked enamel finish for increased corrosion resistance**
- **CR400 couplers and dust caps included on all models.**

Lifting Height

Climbing Jacks overcome the usual limitation of lifting height imposed by the cylinder'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 and lowering applications on multiple points Split-Flow Pumps are a far better alternative than using separately operated pumps.

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Synchronous Lifting System

The standard EVO-Series System is ideal for stage lifting, powering interlinked hydraulic cylinders. The EVO-system has 9 work modes including the stage lift work mode.

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Jack-Up Systems

For incremental lifting with higher lifting capacities and up to 49.2 feet lifting height, see our JS-Series Jack-Up Systems.

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▼ *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.*

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

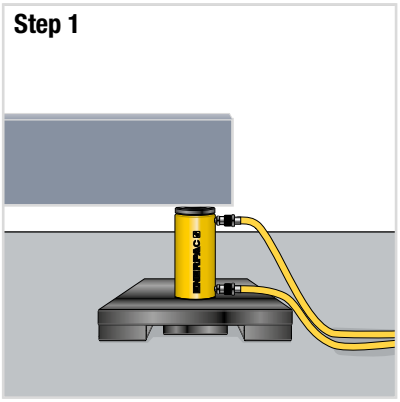
◀ *Typical stage-lift application using a custom built Enerpac system to lift the 360-ton Akkerwinde wooden bridge in the Netherlands.*

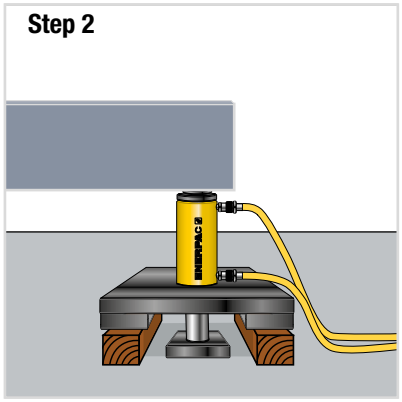
BLS Series

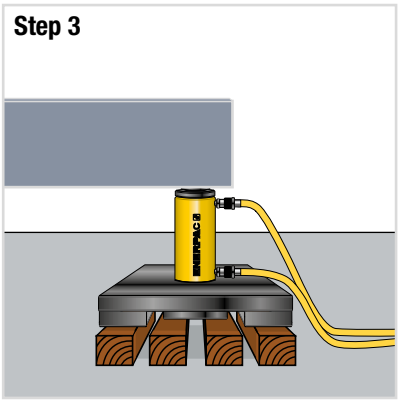
Capacity per Lifting Point:
55 - 220 tons

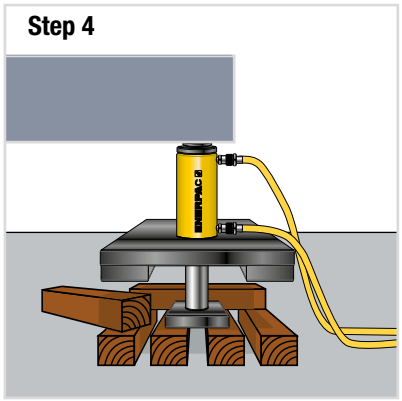
Stroke per Stage:
5.91 - 6.34 inches

Maximum Operating Pressure:
10,000 psi









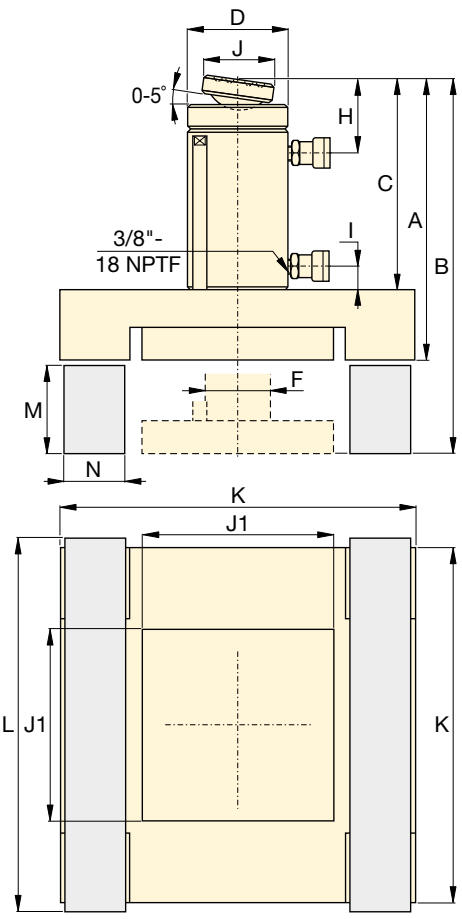
▲ Stage Lifting Sequence

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)		Dimensions (in)										Cribbing Blocks * and Dimensions (in)					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	67.8	20.5	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	136.6	63.8	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	188.6	90.8	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	264.4	134.8	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**

* Cribbing blocks are not supplied by Enerpac.