

▼ Shown: HSL50006 Strand Jack



- Precision control of synchronous lifting and lowering
- Can be controlled by a single operator from a central location for increased safety
- Automated locking - unlocking operation
- Two strand sizes: 15,7 mm and 18 mm (.62 and .71 inch)
- Telescopic strand guide pipes prevent bird caging
- Internal components are coated with Lunac, an anti-corrosion coating, making it suitable for marine environments
- Lifting anchor included with all strand jacks
- Lloyd's witness tested to 125% of maximum working load.

▼ *Songdo Bridge, South Korea: Four HSL85007 strand jacks were installed on top of a temporary bent tower and simultaneously lifted both pylons up to their permanent position at 75 degrees. The lift was monitored and controlled using a computer controlled strand jack system with 30 kW hydraulic power units.*



High Capacity Precision Control



Heavy Lifting Strand Jacks

Enerpac strand jacks are the strand jacks of choice for customers seeking precise synchronous control with heavy-lifting capacity in an economical, compact, and reliable foot print.

Enerpac strand jacks are powered by electrical or diesel driven hydraulic power packs and controlled by Enerpac's proprietary SCC-Smart Cylinder Control System to ensure full control of lifting and lowering operations.

Enerpac continually improves reliability, durability, and safety of their strand jacks, making them an industry standard for heavy lifting.

▼ *HSL85007 Strand Jack System used on Enerpac custom Self Erecting Tower.*



Heavy Lifting Strand Jacks



Strand Jacks

A strand jack can be considered a linear winch. In a strand jack, a bundle of steel strands are guided through a main "lifting" jack.

Above and below the cylinder are anchor systems with wedges that grip the strand bundle simultaneously. Lifting and lowering a load is achieved by hydraulically controlling the main jack and both mini jacks alternately.

In the case of system pressure loss, the wedges are mechanically closed automatically, holding the suspended load in place.

Today strand jacks are widely recognized as the most sophisticated heavy lifting solution. They are used all over the world to erect bridges, load out offshore structures, and lift/lower heavy loads where the use of conventional cranes is neither economical nor practical.

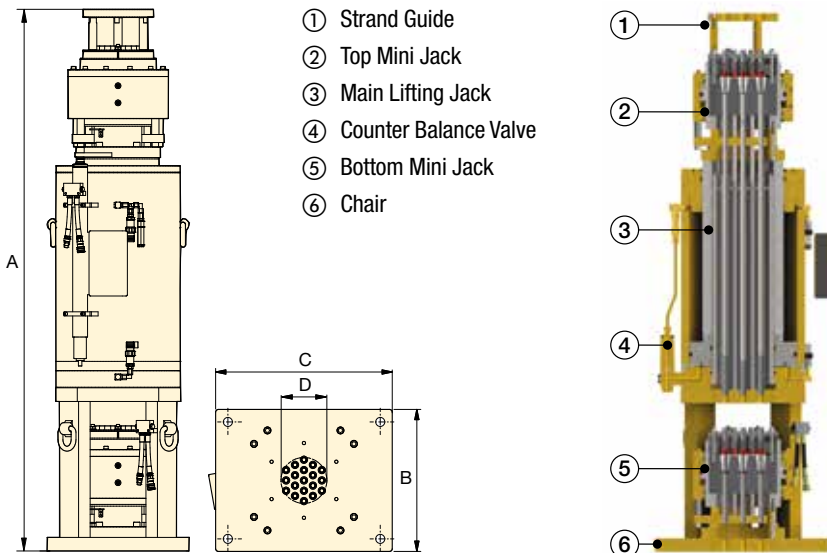
HSL Series



Capacity:
15 - 1250 ton

Stroke:
250 - 600 mm

Maximum Operating Pressure:
350 bar



▼ Strand Jack Accessories

Contact Enerpac for assistance by email at integratedsolutions@enerpac.com



Hydraulic Power Packs

Enerpac offers a comprehensive range of hydraulic power packs that are optimized for use with their industry leading heavy lifting strand jacks.



Strand Guides

Provides a guide for the strand as a strand jack lifts the load.



Strand Recoilers

Passively pays in or pays out strands while jacking and lowering.



Strand Dispenser

Essential to safely unbundle a new strand coil.



Lifting Anchor

Each Strand Jack includes a lifting anchor for attaching strand to the load.

Strand Diameter mm (inch)	Capacity *		Model Number	Number of Strands	Stroke (mm)	Dimensions (mm)				⚖️ (kg)
	ton	(kN)				A	B	C	D	
15,7 (.62)	30	(300)	HSL3006	3	480	1851	350	500	59	500
	70	(700)	HSL7006	7	480	1915	360	575	93	640
	200	(2000)	HSL20006	19	480	1992	522	650	169	1300
	300	(3000)	HSL30006	31	480	2046	673	673	216	2180
	500	(5000)	HSL50006	48	480	2136	733	733	273	3150
18 (.71)	15	(150)	HSL1507	1	250	1242	220	220	20	100
	45	(450)	HSL4507	3	480	1728	350	500	73	500
	60	(600)	HSL6007	4	480	1752	400	625	88	650
	100	(1000)	HSL10007	7	480	1926	408	625	116	850
	200	(2000)	HSL20007	12	480	2001	522	650	165	1400
	300	(3000)	HSL30007	19	480	2055	673	673	210	2180
	450	(4500)	HSL45007	31	480	2223	733	733	272	3050
	650	(6500)	HSL65007	43	480	2237	850	850	351	3950
	850	(8500)	HSL85007	55	480	2402	900	900	364	5000
	1000	(10.000)	HSL100007	66	480	2558	1092	1092	436	7650
1250	(12.500)	HSL125007	84	600	2658	1100	1100	458	8300	

* Capacity is based on 2,5 minimum safety factor over strand breaking load.