

SCJ-SERIES SELF-LOCKING CUBE JACK®

Compact incremental lifting system with mechanical hold



ENERPAC 

▼ SCJ-50, Enerpac Self-Locking Cube Jack® (shown with optional lifting barrels)



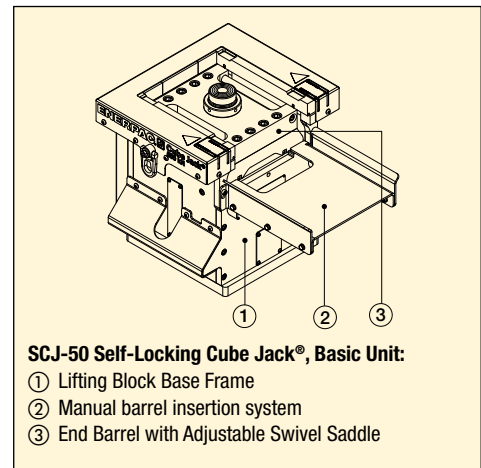
Incremental lifting system with mechanical load holding during lifting and lowering



Typical Applications

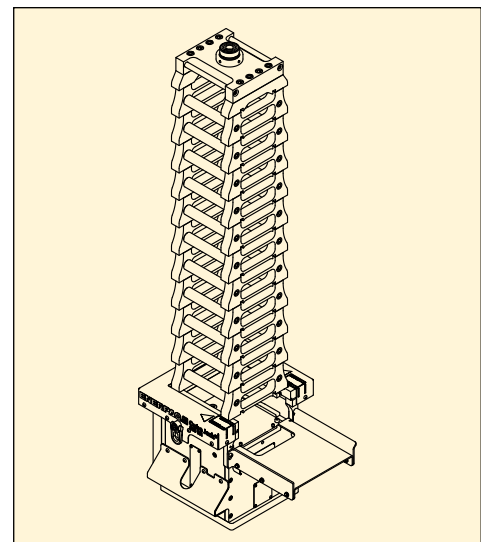
- Bridge maintenance
- Lifting and lowering of heavy equipment
- Lifting, lowering and levelling of heavy structures and buildings
- De-propping/load transfer from temporary steel work.

- System is mechanically locked during lowering so blocks are removed in a safe condition instead of being held on hydraulics
- Self-aligning steel lifting blocks save time, improve side load, and eliminate the need for wooden cribbing materials
- Jobs are completed more efficiently due to simplified operation sequence with 50% less cycles than climbing jacks
- Top block with adjustable swivel saddle allows fine adjustment during set-up: 55 mm screw extension
- Low starting height of 494 mm; jacking height up to 2,0 m
- Can be operated with Enerpac's 700 bar hydraulic power units.



▼ SCJ-50 Self-Locking Cube Jack® at maximum height of 2,0 metres with 11 lifting barrels.

▼ Typical application with 4 Cube Jack® Basic Units and lifting barrels to lift a transformer. (hydraulic power pack and hoses not shown).





Self-Locking Cube Jack®

Easy-to-use, compact and portable jacking system that utilizes base lifting frames and self-aligning, lightweight steel lifting blocks, instead of wooden cribbing materials.

Operation is simple:

1. Connect the Cube Jacks to the Enerpac Split-Flow Pump and select lifting mode on each base lifting frame.
2. Insert a lifting block and actuate the Cube Jack® until the block engages the lock mechanism.
3. Retract the jack and repeat the process until the desired lifting height is reached. For the lowering operation select lowering mode on each base lifting frame and reverse the process.

The Cube Jack® top block is equipped with an adjustable saddle for initial alignment with the load. All controls except for the main direction valve, which is on the hydraulic power unit, are contained within the Cube Jack® base frame.

Manual barrel insertion

Lifting blocks are easily managed by hand and the Cube Jack® includes integrated fork pockets and lifting rings for effortless positioning.

Synchronous Lifting & Lowering

If synchronization is required, the Cube Jack can accommodate stroke sensors and be used with any Enerpac Computer Controlled Synchronous Lifting System.

SCJ Series



Capacity Per Cube Jack:

50 ton (500 kN)

Maximum Lifting Height:

2,0 metres

Maximum Operating Pressure:

700 bar



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.



Synchronous Lifting Systems

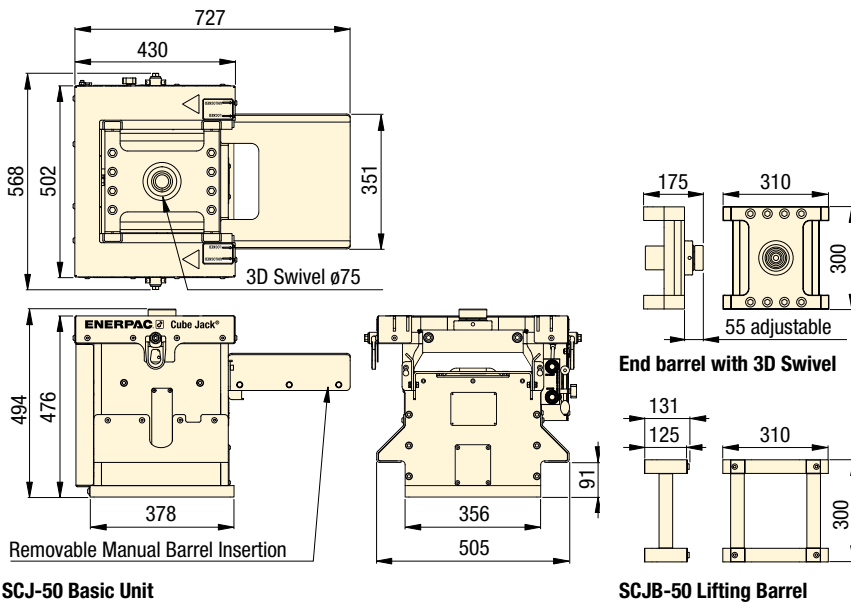
If synchronization is required, the Cube Jack can be used with any Enerpac Computer Controlled Synchronous Lifting System from the standard EVO-Series or the basic EVOB-Series



Lifting Barrels

Lifting Barrels are not included in standard SCJ-50 Cube Jack®, and must be ordered separately. Maximum of 11 lifting barrels can be used on a single Cube Jack®. Lifting Barrels are manually inserted into the SCJ-50 Base Unit.

Lifting Barrels	Model Nr.
1 lifting barrel	SCJB-50-1
Set of 4 lifting barrels	SCJB-50-4



Self-Locking Cube Jack®

Capacity per Base Unit ton (kN)	Model Number	Maximum Sideload at 2,0 m height	Minimum Height including Endbarrel (mm)	Maximum Height ¹⁾ (mm)	Lifting Stroke (mm)	Adjustable Stroke Swivel Saddle (mm)	Oil Capacity per Base Unit (cm ³)		(kg)		
							Advance	Retract	Base Unit *	End Barrel	Lifting Barrel
50 (500)	SCJ-50	1,5%	494	2031	156	55	1225	624	360	40	16

¹⁾ Maximum height including 11 lifting barrels and 55 mm swivel saddle screw extension.

²⁾ Weight per base unit, excluding barrels and endbarrel.



LIFTING SYSTEMS

We design and manufacture heavy lifting equipment. For more than 60 years, we've combined high pressure hydraulics and controls to deliver intelligent and innovative solutions that maintain the highest level of quality, reliability and safety. We are passionate about solving your challenges, together. We will be your supplier and partner; we will support you throughout the entire life of your project, your success is ours.



**SFP-Series,
Split-Flow Pumps**



**EVOB-Series, Basic
Synchronous Lifting Systems**



**EVO-Series, Standard
Synchronous Lifting Systems**



**SCJ-Series,
Self-Locking Cube Jack®**



**JS-Series
Jack-Up Systems**



**HSL-Series,
Strand Jack Systems**



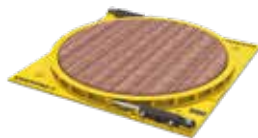
**SHS, SHAS-Series,
Synchronous Hoisting Systems**



**SL, SBL, MBL-Series,
Telescopic Hydraulic Gantries**



**LH, HSK-Series
Skidding Systems**



ETT-Series, Turntables



ETR-Series, Trolley Systems



**SPMT-Series, Self-Propelled
Modular Trailers**

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