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HSK Series Skidding System HSK1250-2500-6000

HSK-Series Skidding System HSK1250-2500-6000

Take a closer look at Enerpac Compensated Skidding Systems

Skidding is an ancient transportation technology. The Egyptians used skidding techniques to move colossal stones required to build the pyramids. Over the centuries a variety of skidding techniques have been used to move heavy structures, mostly using a combination of different types of skid-track and lubricated skidding materials.



Three different systems

The HSK1250 and HSK2500 skidding systems are available in 2 varieties: a "skid shoe jack" and a "skid shoe beam". The skid shoe jack includes an integrated lifting cylinder. A skid shoe beam is designed for skidding purposes only. The HSK6000 is a PC Controlled Hydraulic Compensated Skidding System, this technology has added a major innovation to the skidding method.

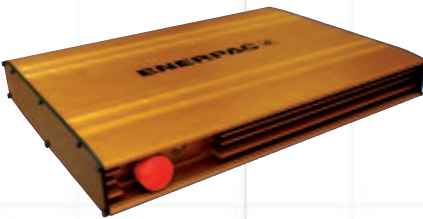
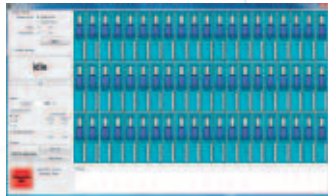
Technical basics

Enerpac has introduced the use of a skid-shoe that is pushed over a skid-track using a hydraulic cylinder. A series of special PTFE coated blocks are placed on the skid-tracks to reduce friction. The PTFE coating guarantees a friction of less than 5%.

To compensate for an uneven foundation, a hydraulic lifting cylinder is incorporated. During the skidding procedure this hydraulic lifting cylinder dynamically compensates for uneven ground conditions to maintain level operation and consistent load path.

Operation and control

The Enerpac SCC control system operates the push-pull and levelling systems, pressure sensors and stroke encoders measure the load and position of the skid-shoes and to the push-pull cylinder. Both are connected to the PC-system. SCC skidding software can synchronously control up to 12 skid-shoe assemblies.



Enerpac Compensated Skidding Systems are available in three versions; 1250kN, 2500kN or 6000kN capacity per skid-shoe.

Applications

Compensated skidding systems are applied for heavy structure 'load-outs', common in off-shore construction e.g. the load-out of an oil rig's topside, power generation transformer installation and heavy machine moving.

Technical Data

- 1250kN, 2500kN or 6000kN capacity.
- All systems are certified and tested according to 3rd party attestation (Lloyd's) witness.

Technical drawings

