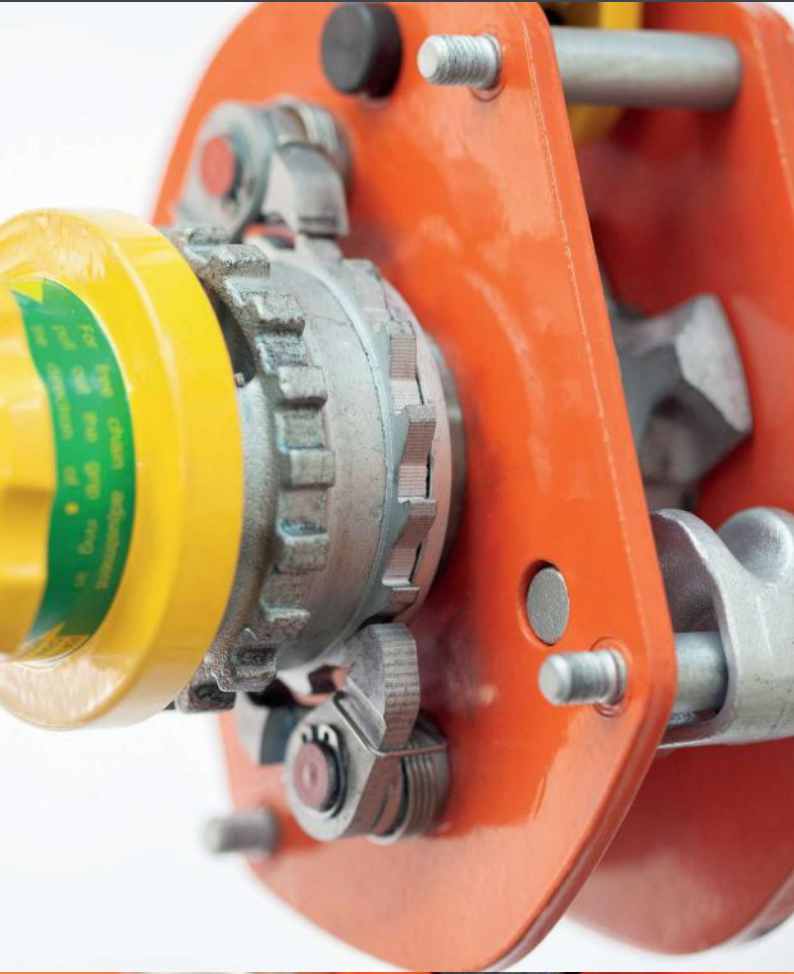


# SS-L5 QP Lever Hoist Design Features



William Hackett SS-L5 QP is the first lever hoist to incorporate four pawl mechanical engagement functionality. The unique and patented pawl design enhances the capabilities of the hoist allowing all four pawls to engage with the ratchet gear in an offset configuration allowing finer adjustment and tensioning capability while maintaining pawl / ratchet gear engagement. The pawl springs are totally enclosed in the brake chamber and the patented pawl design allows, however unlikely, for both pawl springs to fail and for the quad pawls to maintain full functioning engagement with the ratchet gear making the hoist safer.

William Hackett verifies that the SS-L5 QP can be safely used over a 21 day single immersion and a 31 day multi immersion period which offers operators considerable financial advantages.

The design features, manufacture, verification testing and guidance for use, maintenance and storage of the SS-L5 QP has also have been developed in line with:

#### BP Document DEV-AAD-SS-SD-BP-0545

'Specification and compliance requirements for lever hoists used subsea on BP projects'

#### IMCA LR 005 D 028 June 2017 Rev.2

'Guidance on the Use of Chain Lever Hoists in the Offshore Subsea Environment'

#### IMCA LR006 March 2018 Rev.1

'Guidance for lifting operations'

The design and specification of the William Hackett SS-L5 QP lever hoist includes:

- **Working Load Limit Range:** 800kg to 15 tonne.
- **Light Load Capability:** the SS-L5 QP is tested and certified at 2% of the lever hoist rated capacity.
- **DABS (Dual Anti-Lock Brake System):** allows the load chain to be adjusted in freewheel mode without locking the brake.
- **Construction and Design:** minimises the ingress of contaminants to the internal brake mechanism surfaces.
- **Stainless Steel Pawl Springs:** Are specially designed to work with the SS-L5 QP patented quad pawls. The stainless steel springs are captivated in the brake chamber protecting them against damage.