

# Subsea Hydraulic Hoists

6 ton - 50 ton

## Specifically Designed for Underwater Use

- n 30-meter operational depth!
- n Fully enclosed gear box
- n Disconnectable pendant
- n 100% progressive speed control
- n Plug and play design
- n Precise orbital hydraulic motor
- n Corrosion-resistant chain and housing
- n Vertical or horizontal use



# Reliable, Safe Operation



Ingersoll Rand subsea chain hoists are designed for a full range of demanding underwater and marine applications, including construction and repair, ship salvage or rig decommissioning.

Whether for commercial, military or governmental applications, our hoists can be used everywhere from oil platforms to dam construction and mining exploration sites. For example, our subsea hoists can be used to handle ships in cofferdams to perform hull, propeller and shaft repair. This avoids placing the ship in drydock, saving both significant time and expense.

## Features and Benefits

- n **Specifically designed for underwater use**, including 30 m operational depth, fully enclosed gearbox, and corrosion-resistant chain and housing
- n **Extremely durable construction** minimises failures and repair costs
- n **Easy, flexible operation**, including vertical or horizontal use, a compact footprint and large pendant buttons for easy control with diving gloves
- n **Plug and play design** is ready to work out of the box
- n **Simplified installation and setup**, with a disconnectable pendant and articulated lifting lugs
- n **Fully progressive speed control** delivers great spotting capabilities
- n **Hydraulic manifold features many safety functions**, including overload protection and quick-down valves acting as limit switches
- n **Orbital hydraulic motor** provides high torque and very precise positioning, and unlike air hoists, produces no bubbles that interfere with diver visual control

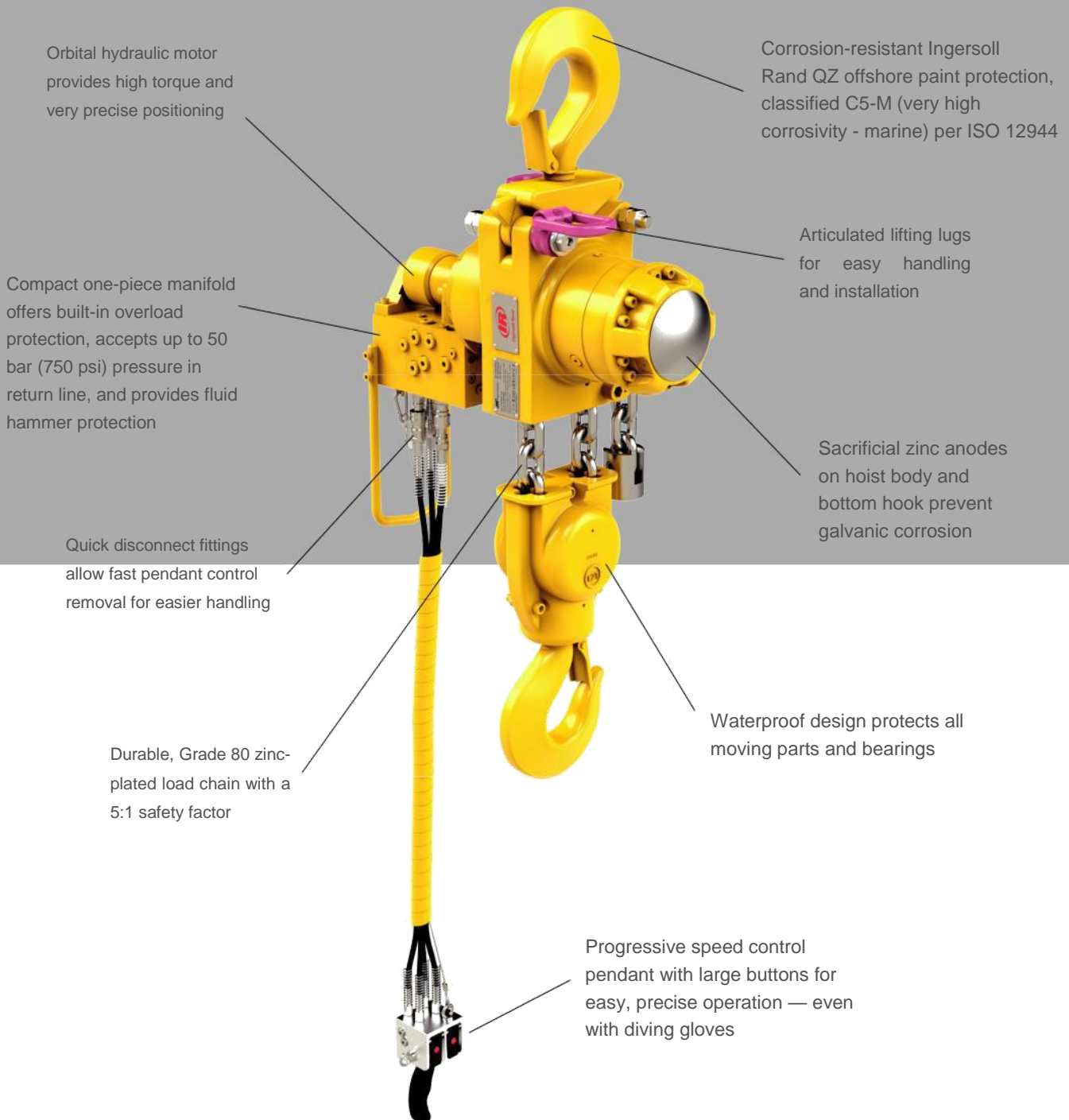
## Specifications

Subsea Hydraulic Chain Hoist				
Model	SLH060S	SLH120D	SLH250D	SLH500Q
Rated capacity (metric ton)	6	12	25	50
Chain falls	1	2	2	4
Chain size (mm)	16 x 45	16 x 45	22 x 66	22 x 66
Maximum hoisting and lowering speeds at rated load (m/min)	2.8	1.4	0.8	0.4
Maximum hoisting and lowering speeds at no load (m/min)	2.8	1.4	0.8	0.4
Nominal hoisting working pressure (bar)*	120	120	135	135
Recommended network pressure (bar)*	140	140	150	150
Nominal flow (l/min)	40	40	50	50
Pressure port size (BSPP)	3/4"	3/4"	3/4"	3/4"
Return port size (BSPP)	3/4"	3/4"	3/4"	3/4"
Hoist weight with 3 m of lift (kg)	185	230	555	940
Chain weight per additional meter of lift (kg)	5.7	11.4	21.4	42.8
Maximum height of lift (m)	52	49	49	24
Minimum headroom (mm)	717	945	1235	1590
Maximum water depth (m)	30			
FEM / ISO mechanical classification	1 Bm / M3			
Coating system	QZ offshore 3-layer paint system, classified C5-M per ISO 12944			

\* All performance data at 5 bar maximum back pressure in the return line. If hydraulic power unit installation has a back pressure > 5 bar, increase network and working pressure by the same value. Maximum back pressure the hoist can support is 50 bar in the return line.

# Subsea Hydraulic Hoists

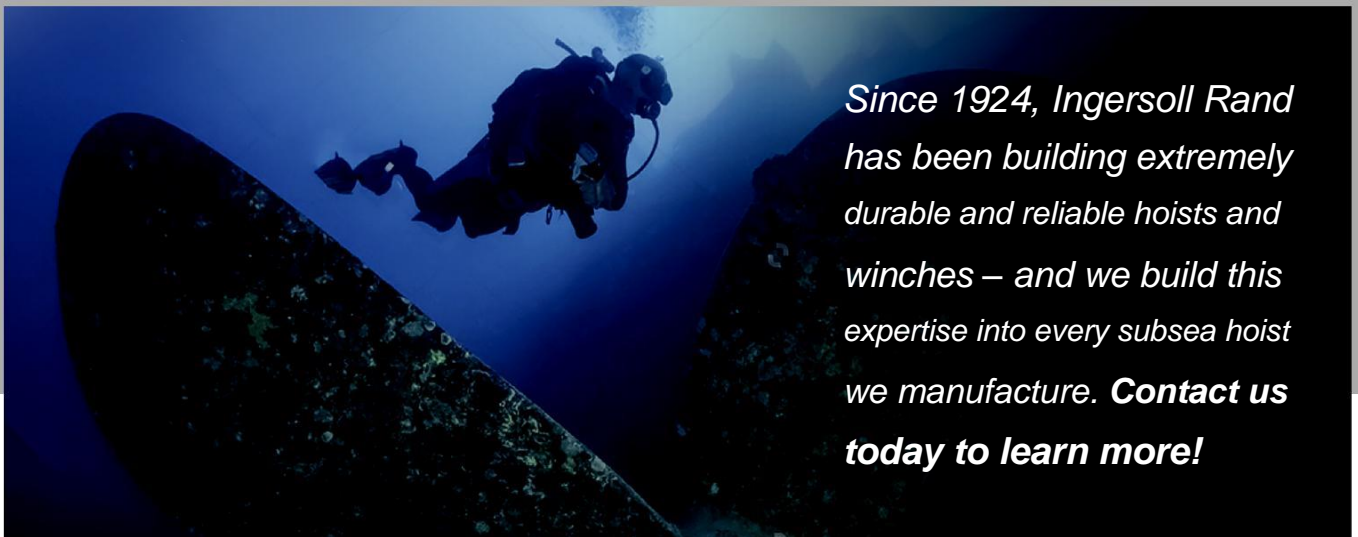
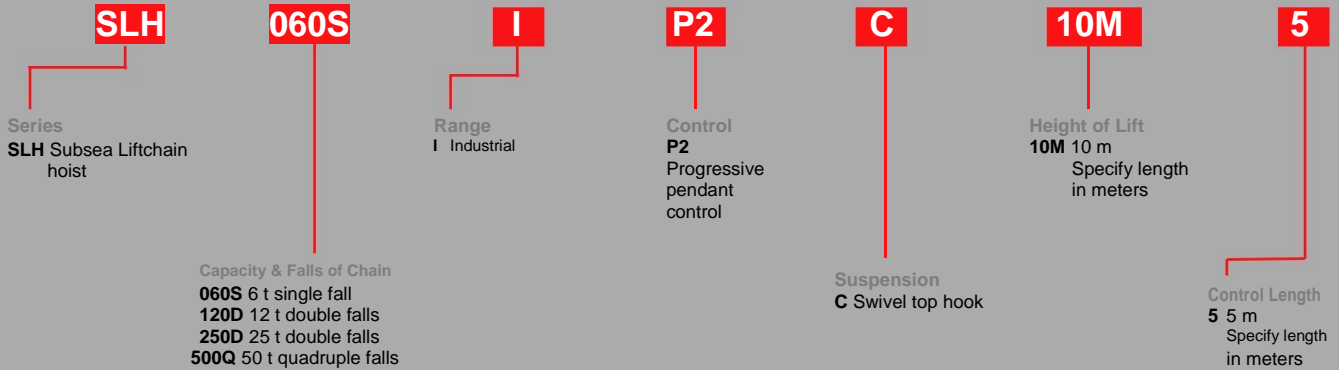
Designed for Superior Performance in Underwater Environments



*Our subsea hoists have been designed with the diver in mind – easier setup and control, less maintenance and downtime, and longer operational life – saving significant time and money!*

# How to Order Subsea Hoists

When ordering, please specify complete model code as shown



## Our Authorised Service Network



Service kits are available for fast and cost-effective maintenance.

At Ingersoll Rand®, our global network of authorised service providers are extensively trained and meet strict criteria set for their facilities, testing capabilities and inventory levels. Authorised service distributors offer many benefits to you and your business. This includes:

- n Expert on-site repair
- n Start-up assistance
- n Product operation and load testing
- n Operation and preventative maintenance
- n Annual inspections
- n Full-unit overhaul and recertification



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