

INTRODUCTION TO TIGER SUBSEA LEVER HOISTS, SUBSEA CHAIN BLOCKS AND ROV CHAIN BLOCKS

Tiger Lifting (UK) products have been manufactured keeping in mind the usability from customers like you. From a research standpoint, all Tiger products have been tested through harsh conditions and exceed the minimum standards of safety by far. Here we give you a snapshot into the Tiger Subsea range that has caught on as a global solution for lifting under the severe environments of the ocean.

SUB SEA RANGE



**SUB SEA LEVER
HOIST – SS11.**

RANGE: 0.8T, 1.5T, 3T,
6T, 10T

51' 31' 21' 101' 501'



**SUB SEA CHAIN
BLOCK – SS12.**

RANGE: 0.5T, 1T, 1.5T,
2T, 3T, 5T, 10T, 20T

51' 31' 21' 101' 501'



**ROV CHAIN
BLOCK – SS12.**

RANGE: 3T, 10T, 20T

51' 31' 21' 101' 501'

Tiger Subsea Lever Hoists – SS11

The Tiger brand for subsea lever hoists(SS11) have fast tracked their way forward to becoming a userfriendly, reliable, anti-corrosive product suitable for use under harsh subsea conditions. The latest design and anticorrosion features gives the SS11 significant safety advantages over standard lever hoists making it ideal to resist against saltwater corrosion.

This product has been carefully designed and developed over a number of years keeping in mind the needs of key stakeholders in the Oil and Gas Industry. The SS11 range meets and exceeds the requirements set under IMCA DO28 Rev.1 "Guidance Notes for Offshore Lever Hoists", as well as conforms to BS EN 13157:2004 and ASME B30.21-2005.

The latest development features a new brake pawl design that ensures that there is a consistent engagement of the ratchet brake, whilst allowing for the free-wheeling facility to position the load chain.

Highlights and features:

- Ranges from 0.8T to 10T capacities
- Designed to be used invertedly and horizontally
- Special anti-corrosive protection using Tiger's OCP "Organic Corrosion Protection"
- Marine-specific friction discs
- Lifts, holds and lowers a load at %2 rated capacity, proving the superior brake systems.
- Double switch brake mechanism
- Stainless steel fixings and fasteners
- Operating temperature range -50 to +50 deg. Celsius
- High performance premium grease

- NEW TWIN CAM SHAPED PAWL DESIGN
- NEW EXTERNAL CORROSION PROTECTION
- NEW ADJUSTABLE CHAIN END ANCHORAGE



Tiger Subsea Chain Blocks – SS12

The Tiger brand for subsea chain blocks (SS12) has been manufactured from the highest quality steel materials, offering a lightweight, compact and rugged construction.

This product has undergone a full performance test program that includes:

TYPE TESTING:

- Ultimate strength test, at least 4 times the WLL.
- Chain end anchorage test, passing at least 2.5 times the WLL without any restriction of the break of gears.

TEST ON EVERY HOIST:

- Proof load of 1.5 times the rated capacity.
- Light load testing at a maximum of %2 rated capacity. as per BS3243:1990 standards.

Highlights and features:

- Ranges from 0.5T to 20T capacities
- OCP “Organic Corrosion Protection” components and body
- Marine specific friction discs
- Lightweight and portable
- Double cover protection for brake chamber
- Stainless steel fixtures and fasteners
- Safe reliable twin pawl mechanical brake
- Guaranteed %2 light load protection
- Marine chain bags available upon request
- Operating temperature range -50 to 50+ deg. celsius



What is “OCP”?

OCP or «Organic Corrosion Protection» is a special anti-corrosive protection founded and patented by Tiger Lifting (UK), and is applied on all its subsea units. Critical internal parts including the load chains, the hand chains and the twin pawl brakes are coated with OCP, and this ensures over 1,000 hours of continuous corrosion protection.

Tiger ROV Chain Blocks

The Tiger ROV compatible chain block is available in three different interface options and is tested & finished in accordance with BS ISO 8:2002-13628 ROV Interfaces on subsea production systems. The interface options include:

1. Hydraulic Hot Stab connection type A dual port
2. Rotary Torque Receptacle Classes 3 & 2, 1
3. D Handle, T Bar or Fishtail Direct Drive manual connection

Highlights and features:

- Capacities of 10, 3 and 20T
- Compact and lightweight
- SS 316 framework and handle
- 4 Point manipulator connection points
- Heavy Duty flexible chainbag connected with SS mounting frame
- Marine specific friction discs
- Subsea suitable bearings for top and bottom hook load sheaves
- Subsea brake design
- Full individual spares back up
- Each unit is fully tested and certified before delivery.

