Skidding System

Our skidding systems are amongst the most efficient and safe systems in the business.

Imenco cutting edge Engineering department designs and fabricates tailor made skidding systems for all kinds of enviroments. The systems ensure safe and efficient logistics aboard ships and rigs without using a crane. Robust design and simple construction turn our skidding system into a preferred solution for customers. Due to the abilities of our Engineering department, Imenco has been able to design and fabricate several skidding systems with a variety of applications and capacities depending on our clients' needs.

For further information, email
commercial@imenco.com

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Skidding System

With engineering's high focus on efficiency and HES we have satisfied our clients' requirements for safe and efficient operations. The systems can be delivered for different weight classes and with both hydraulic operation panel and radio control panel. Load capacity and skidding solution depending on customers need.

Following you will see examples of systems designed and fabricated in recent years. These are great examples that show the possibilities. Contact us for further information and we will help find a solution that fulfills your requirements.

General Product Information

- Safe operation with hydraulic or mechanical brake.
- Few components.
- Easy to maintain and operate.
- Upgrade possibilities.
- CE marked or certified according to DNV or ABS requirements.

Technical Information

- Working pressure 210 bar.
- Push-pull «tractors» consisting of hydraulic clamp units or claws for slots and push-pull cylinder.

Possibilities

- 3 x button hydraulic control system. Forward, Stop, backward.
- Radio remote control system.
- Build in position transducers for use in PLS control system.
- Continuous skidding.
- Fail-safe spring activated clamp cylinders.

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Skidding System

Continuous Movement Skidding System

The challenge from our client, Island Offshore, was to decrease the operation time during skidding with 30%, without increasing the cylinder speed on the skidding unit. With a new set-up of the hydraulic cylinders, positioning sensors and PLS, we have achieved to increase the skidding speed with over 100%. The system is fully automatic and operated by a one-handle radio control panel.

Advantages

- Load capacity: 80 mT.
- Type of skidding method: Push-pull cylinders with gripper dice. Double set of skidding cylinders to achieve continuous movement.
- Control system: 1 handle - Radio Control Panel. (Local hydraulic panel for emergency use).
- Cylinder speed: 2,5 m/min.
- Skidding speed: 2,5 m/min.
- Hydraulic driven hose reel.
- Hydraulic driven generator for powering the electrical control system. No external electrical cables are needed.

MO115374

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Skidding System

100t skidding unit with crane

This unit is part of the system delivered to COSL Promotor and COSL Innovator and shows the possibilities to install a knuckle boom crane on the skidding tractor. This makes it possible to load / unload goods from the skidding pallet without using the rig crane.

MO108928

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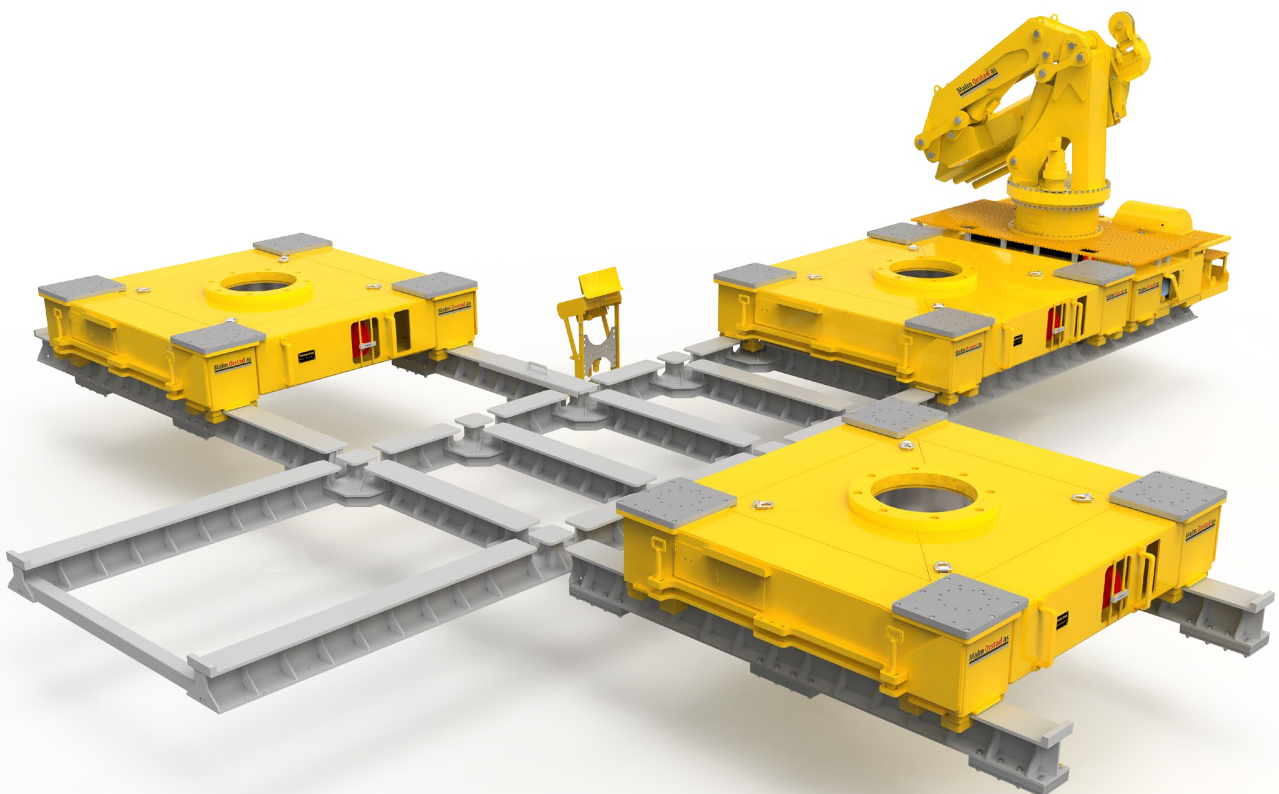
Skidding System

100t skidding system for WOCS system

This system is designed for handling WOCS system on COSL Promotor and COSL Innovator.

Advantages

- Load capacity: 100 mT.
- Type of skidding method: Push-pull cylinders with gripper dice.
- Control system: Hydraulic Control Panel.
- Cylinder speed: 2 m/min.
- Skidding speed: 1 m/min.



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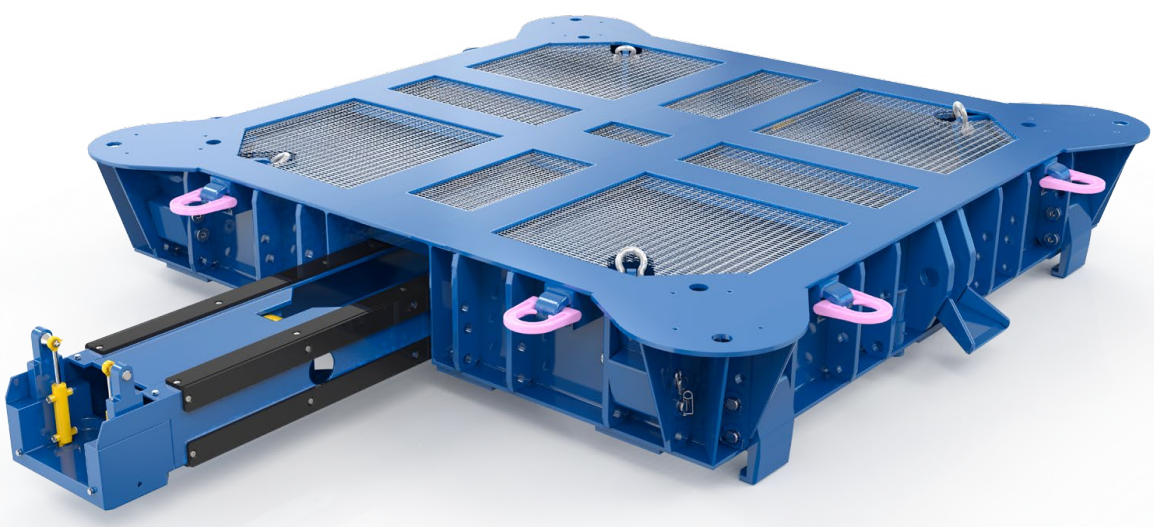
Skidding System

Skidding unit with XT guides

For Transocean Leader we have designed and fabricated a skidding system that is fitted to existing skidding beams. The system is used for handling of X-mas tree stack and includes several pallets, skidding unit with turntable and skidding unit with knuckle boom crane.

Advantages

- Load capacity: 100 mT.
- Type of skidding method: Push-pull cylinders with claws / wedges for slots.
- Control system: Hydraulic Control Panel.
- Cylinder speed: 2 m/min.
- Skidding speed: 1 m/min.



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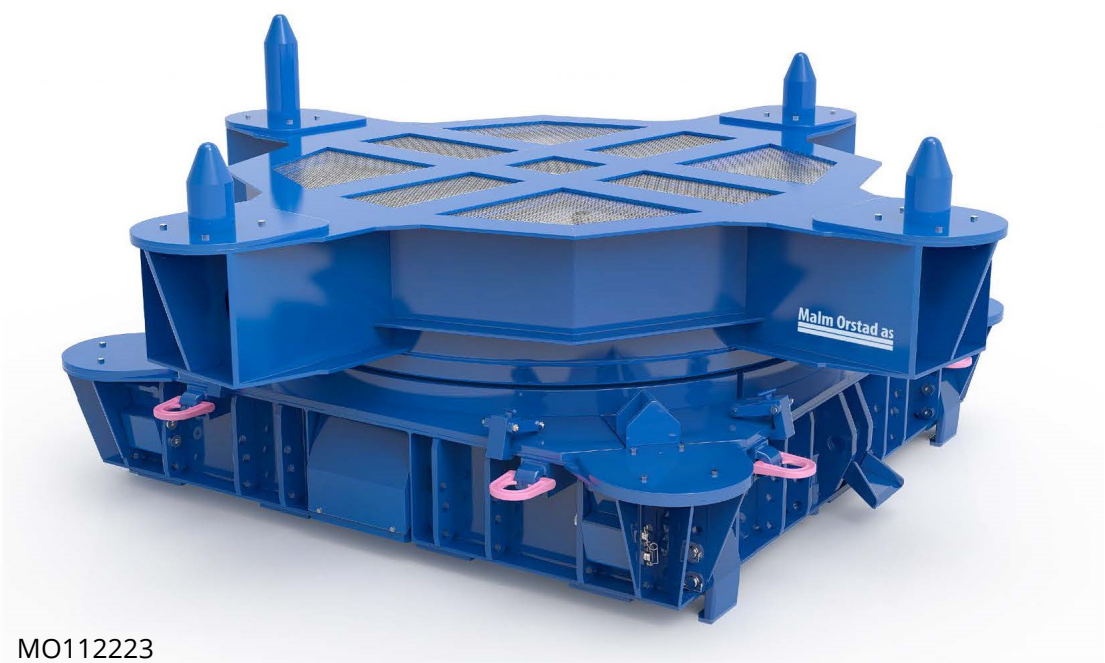
Skidding System

Skidding unit with turntable

The Skidding unit with turntable is part of the skidding system delivered to Transocean Leader. The turntable unit is mounted onto our standard skidding pallet. By use of a hydraulic swivel and gear rim the turntable can rotate 360°.

Advantages

- Load capacity: 100 mT.
- Type of skidding method: Push-pull cylinders with claws / wedges for slots.
- Control system: Hydraulic Control Panel.
- Rotation turntable: 360°.
- Cylinder speed: 2 m/min.
- Skidding speed: 1 m/min.



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Skidding System

Mini Skid Tractor «Claw Type»

These mini skid tractors are delivered to Transocean Leader. They are fitted to existing slotted skidding beams and can operate in both directions by rotate / turn the claw / wedge (see picture for both configurations). They are certified for lifting and can easily and quickly be lifted to needed position and skid a pallet.

MO110396

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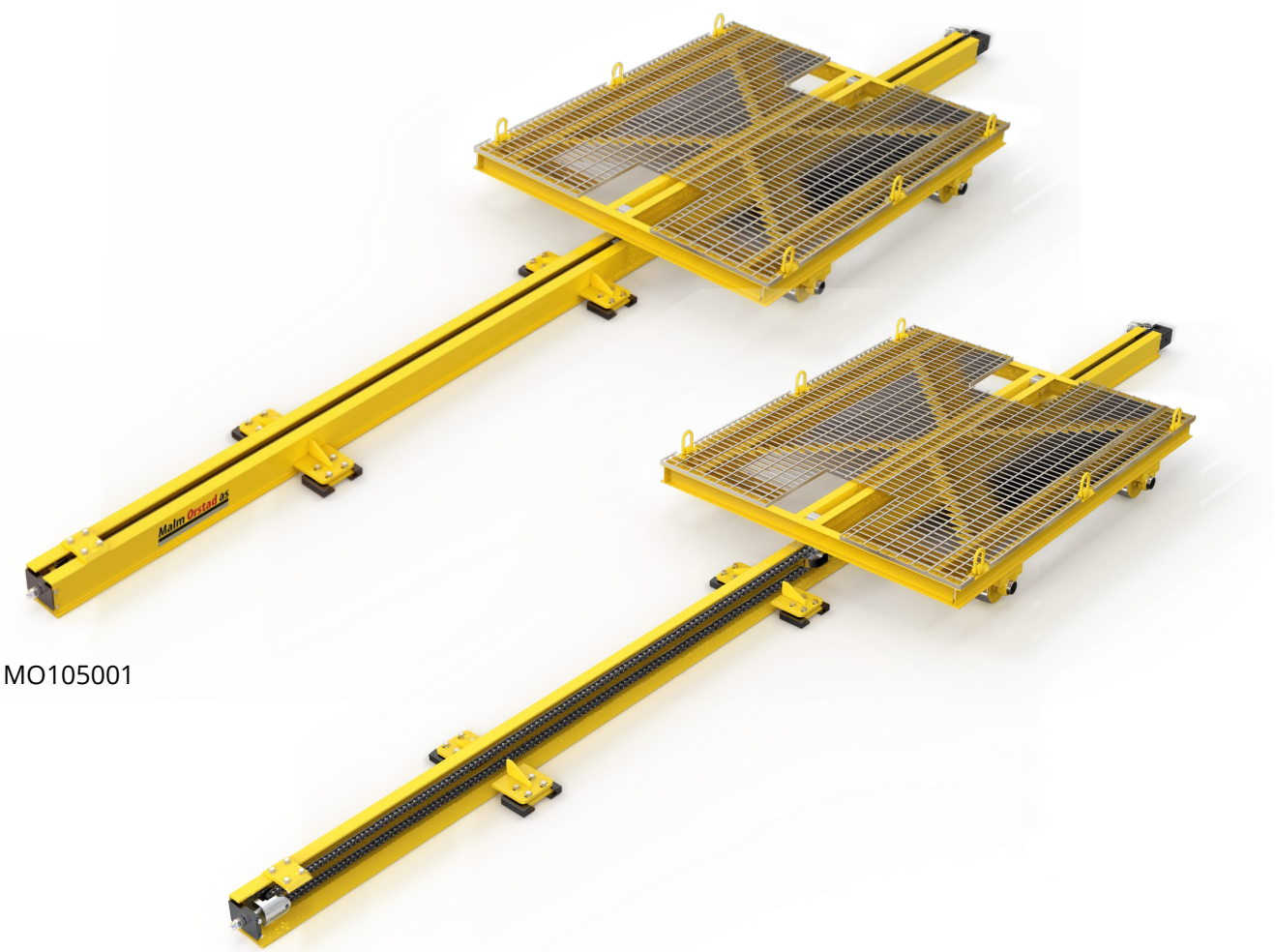
Skidding System

Chain / Motor driven skidding system

This system was designed and fabricated for IKM Subsea which uses it for skidding ROV systems. The system differs from our other skidding systems, as it is driven by the use of a hydraulic motor and chain and is preferred for use with lighter goods.

Advantages

- Load capacity: 10 T.
- Type of skidding method: Hydraulic motor and chain.
- Control system: Hydraulic Control Panel.
- Skidding speed: 2 m/min.



MO105001

Cross section

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