



KONGSBERG

# CORER HANDLING SYSTEM



## DECK MACHINERY

### Corer handling system

Kongsberg corer handling system offers supreme flexibility for the most demanding oceanographic research operations in the toughest conditions in the world.

The modular system can be adapted to a range of corer types and sizes as well as specific vessel arrangements, and is equally suited for permanent and mobile installations. Mobile systems may be delivered complete with specially adapted shipping containers, for easy and carefree shipment and storage between science cruises.

The system, comprising one corer crane and up to five corer davits and corer clamps, is fully remote operated as standard, with pre-programmed launch and recovery sequences between deck and sea for simple and efficient synchronous operation from a single joystick. Individual operation of each component is also possible from the remote control, as well as local manual operation for emergency situations. Either hydraulic or electro-hydraulic powered versions are offered, both with quick connection interfaces for electric and/or hydraulic power supplies for mobile systems.

All components are designed end engineered for polar service and can be delivered with certification according to all relevant classification societies standards.

Kongsberg's portfolio of equipment for research vessels includes complete scientific winch systems for fibre rope, steel wire and cables, as well as a broad range of overboard units, all which may be specifically adapted to customer needs and requirements.

#### KEY DATA

Work load limit (WLL)

Corer length

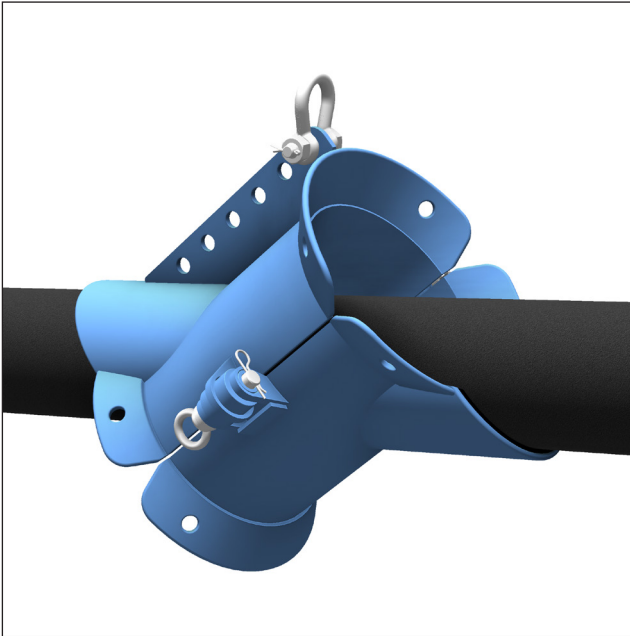
Dynamic amplification factor (DAF)

#### VALUE

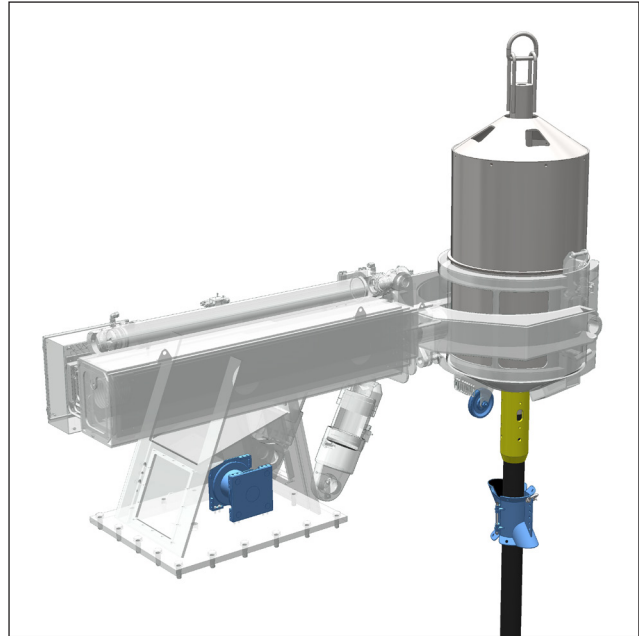
≤ 15.0 Te (corer weight)

≤ 60 m

According to relevant classification society requirements

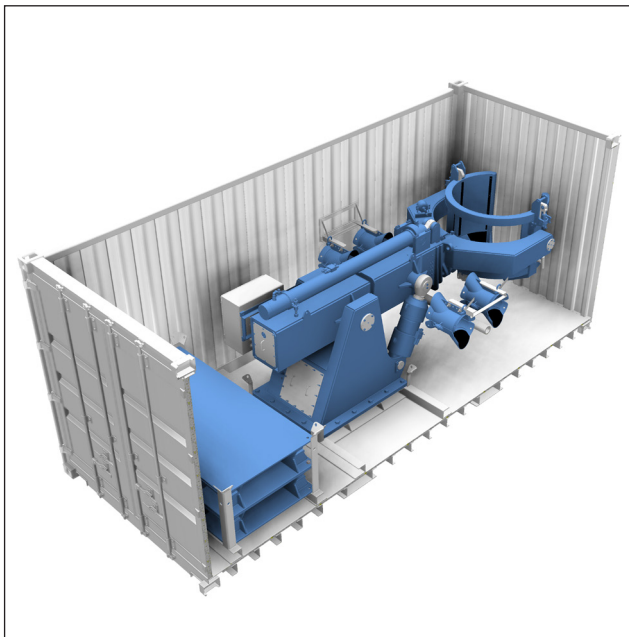


The simple and lightweight, yet robust construction of the corer clamps with minimal moving parts, allows easy handling and flexible positioning along the corer barrel, and keeps maintenance requirements to a minimum.



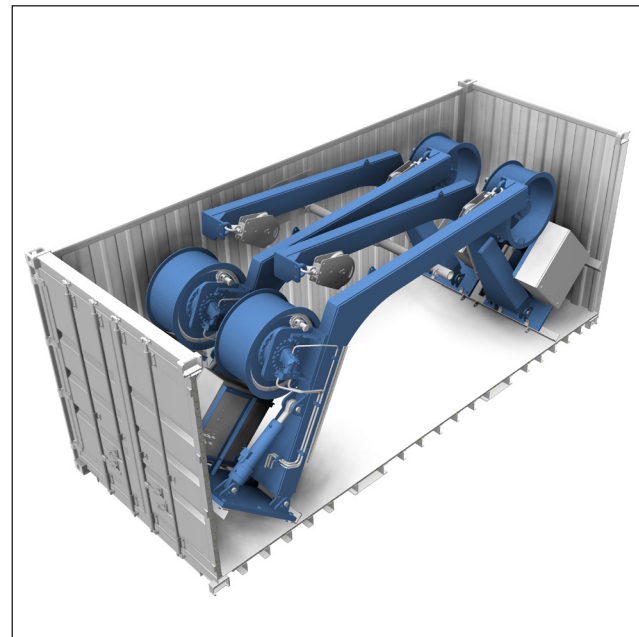
Winch for corer clamp handling during deployment and retrieval is integrated in corer crane base.

**Complete system stored and secured in two 20' open top ISO containers  
(view shown with container side wall removed)**



**CONTAINER 1**

- One corer crane
- Four corer clamps
- Four corer davit foundation adapters



**CONTAINER 2**

- Four corer davits

