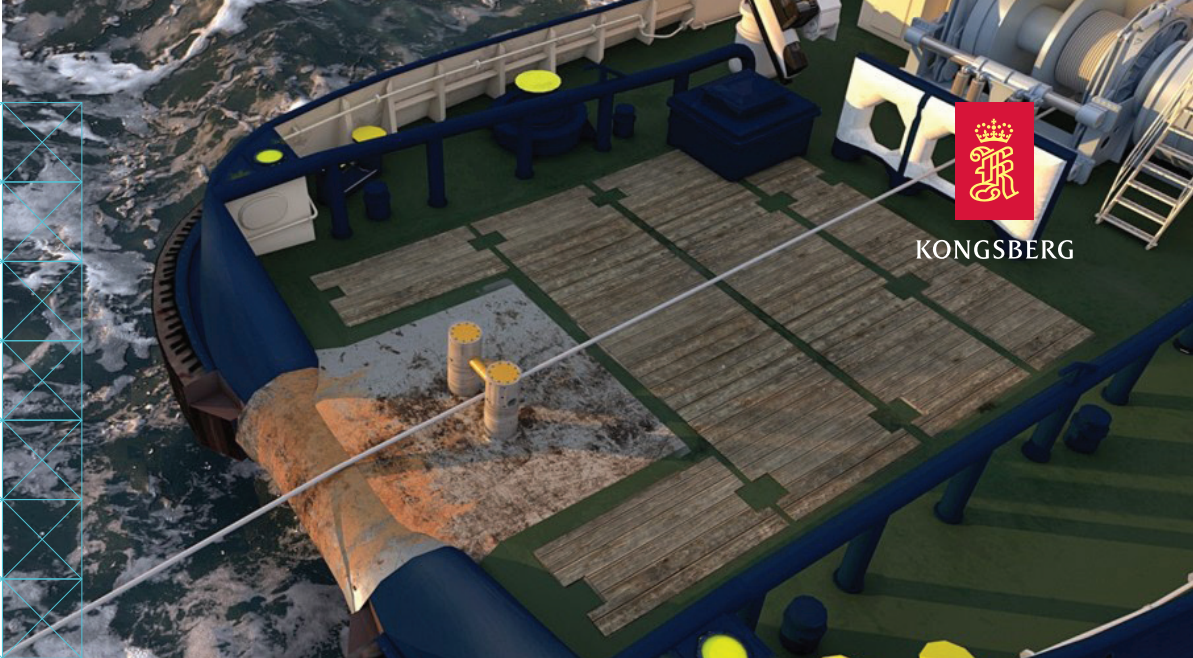


COMPACT SHARK JAW AND TOWING PINS



DECK MACHINERY & MOTION CONTROL

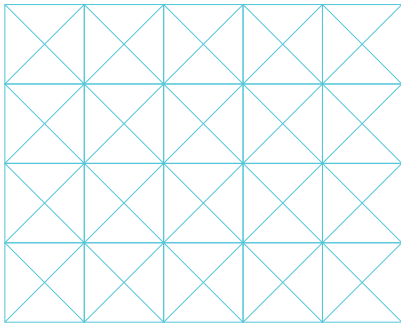
New compact series of towing pins and shark jaw, designed for easy installation on Tugs and AHTS with 50–120 tons bollard pull

Unique advantages of the new KONGSBERG tow pin combined with our well proven shark jaw

- The towing pins are flush with the deck in lowered position. The surrounding base at deck is slightly raised and gently tapered for smooth passage of mooring components while deflecting sand, mud and water.
- Since the locking arms are retracted inside the pins when not in use, there is no recess in deck around the towing pins. This eliminates accumulation of debris and avoid sharp edges found around other brands of towing pins.
- The locking arms are dimensioned to resist the vertical load in compliance with required rules and regulations.
- With 400 mm between towing pins chain up to approx. 105 mm as well as wire ropes can pass between the towing pins.
- The KONGSBERG towing pins are active tools compared to any other towing pin on the market. A vertical pull-down force of up to 15 tons per side, can be used to pull towlines down into the shark jaw without the presence of crew on the unsecured deck.
- This pull-down force is individually controlled for each towing pin and can therefore be used to actually turn the chain until it fits easily into the shark jaw.
- The shark jaw is designed for handling chain between 38mm to 105mm, and wire up to 105mm. Chain and wire inserts for respective sizes are included.
- The shark jaw/towing pin are delivered as one complete unit, ready for welding directly into the deck structure.

THE SYSTEM INCLUDES:

- Towing pins
- Shark jaw
- Chain & wire inserts
- Power pack
- Safer deck X7 control system



Compact tow pins and shark jaw, 50-120 t bollard pull tow pins

- Top securing satisfied NMD requirements
- Secure load in shark jaw with tow pins
- Rotating outer liners
- The new TP120 is each equipped with grease lubricated rollers which are also symmetrical and can be flipped around in case of wear.

The system are compatible with environmentally friendly grease products with global availability.

