

Jaw Rotate Clamp Installation



The HLK-24040 Jaw Rotate is designed for the ease of installation of zinc anode clamps onto underwater steel cables to reduce corrosion.



Hydro-Lek

Specialists in remote handling for
the nuclear, subsea and defence
industries

HLK-24040 Clamp installation Jaw Rotate

The HLK-24040 Jaw Rotate can be adapted for the purpose of installing zinc anode clamps onto underwater steel cables or other objects to reduce corrosion.

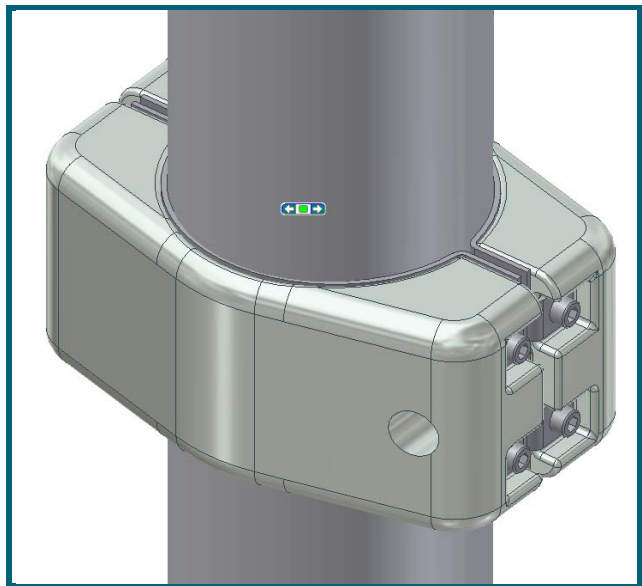
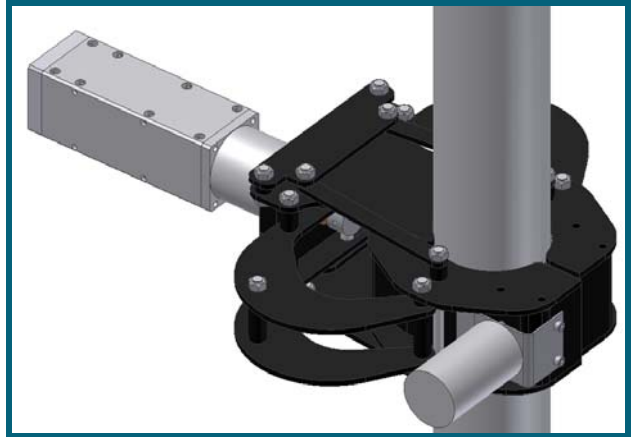
The jaws are modified to accommodate clamps of any diameter and can be built onto an ROV to suit the size required.

The design of this system incorporates a manipulator equipped with the Hydro-Lek HLK-2040 Jaw Rotate with modified jaws to securely hold the clamps prior to installation. The jaws are hydraulically powered and are able to rotate to align the clamp with the cable and then close. The design also includes a hydraulic motor powered lead screw to ensure a tight fit around the cable.

The clamps are pre-moulded to ensure a good connection between the steel internal surface of the clamp and the object that is being protected. The anodes are manufactured from castings and the number of clamps per length of cable is calculated to give maximum protection against corrosion.

The manipulator installs the clamp by approaching the object with the clamp held in the jaws. A camera is mounted above the jaw together with V-shaped guides to allow an operator to rotationally align the clamp with the object.

To ensure a tight fit of the clamps, once the clamp is closed around the object by the hydraulic cylinder, the clamp is then tightly compressed around the object via the use of hydraulic motor driven lead-screws. These are spigoted and tapered to allow maximum ease of installing the clamps using mounted cameras.



Hydro-Lek Ltd

Falcon House
Ivanhoe Road
Hogwood Lane Industrial Estate
Finchampstead
RG40 4QQ
Tel +44 (0) 118 9736903
Fax +44 (0) 118 9736915

Website www.hydro-lek.com
Email enquiries:hydro-lek.com