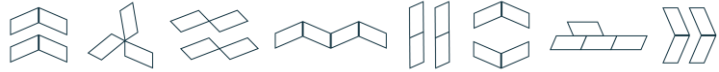


RETROFIT ANODE

PIRANHA XXL[®] CLAMP



“The Piranha XXL[®] range is intended for mounting on Pipes or Mooring chain links. Equipped with a jaw that can clamp onto pipes with diameters from 120 to 165mm.”



Intelligence built in

The main benefits of choosing an Imenco Piranha® Clamp are ease of installation, flexible sizing, and proven long-term integrity.

The clamp is guided into place by ROV and tensioned with an Imenco Clamp Installation Tool (ICIT) to ensure a good connection.

Most subsea structures and components have some sort of plate as part of its design. This makes the Piranha® M Plate Clamp the most versatile IMENCO Retrofit Anode Clamp. Anodes may be attached directly to the clamp, or by a bonding cable to an anode sled.

Piranha® XXL is typically used for the placement of sacrificial anodes, electrical continuity between different entities or to connect instrument packages to a structure. Anodes may be attached directly to the clamp, or by a bonding cable to an anode sled/anode bank.

Features

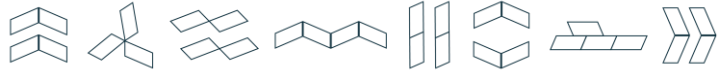
- Field proven with more than 3000 clamps installed
- Simple and robust design
- Durable and compact design dimensions
- Excellent mechanical grip
- Quickly diver-less ROV installation
- Anode attachment flexibility, clamping on plate, edges or ends of rods
- Designed for variety of plate/rod thicknesses
- Standardized installation tool and ROV interface

Advantages

- Quick installation, typically takes 15min to install a clamp
- Provides excellent mechanical attachment, Typically, > 10 ton
- Provides excellent electrical contact / grounding, Typically, <100 μΩ connection resistance
- Mechanical grip (tension)
 - Will not loosen by vibration
 - Fatigue resistant against expected loads
- Electrical Resistance – house to connected structure
 - Can be used on coated or uncoated structures.
 - Will bite through existing rust layers on structures

Applications and options

The Piranha® Clamps has a proven track record of being easy to install and providing a very strong hold and an effective electrical connection. By use of a hydraulic torque tool, the clamps are installed onto plates or rods, consistently and without any unnecessary strain on the ROVs.



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The Piranha XXL[®] clamp is primarily composed of the housing, and the jaw. The housing design is suitable across the entire 120-165mm range. The jaw size is selected on a project-specific basis as per the below table.

Clamp Type	Plate Thickness (mm)	Clamp Dimensions (mm)						
		A	B	C	D	E	F	G
Piranha XXL [®]	120-157 mm	120	34	350	337	148-157	60-40	55
Piranha XXL [®]	158-165 mm	120	34	350	337	158-165	60-40	55

