

External Cutting Tool (ECT)

Abrasive Water Jet Cutting

The external cutting tool (ECT) is an ROV-operated or diver-installed abrasive water jet cutting (AWJC) tool used for external cutting of jacket legs, pipelines, bracing, and subsea castellated cutting of tubulars.



FEATURES:

Cuts pipe with outer diameters from 16 to 32 inches

Can cut pipes with wall thicknesses greater than 4 in

Can cut at speeds of up to 2 ft/m

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A multi-dimensional clamp configures easily for multiple cuts without top-side changes for size adjustment. Cameras mounted to the ECT are used to complete cut verification.

The ECT is deployed in a tool basket or with a unique docking system that enables the ROV to mechanically and hydraulically make a connection subsea.

Specifications:

Pipe OD min/max	16-32 (smaller with minor modifications)
Coating min/max/type	Cuts all coating except rubber
Hydraulic requirements	200 bar hydraulic check valve on clamp
Power requirements	Hydraulic and HP water
ROV interface	TES 100 (Tool Elevator System) 100mm receptical
Max operating depth	200 meters
Required surface preparation	fill grit in hoppers. Have tool in Start position to allow tool to clamp onto pipe
Water supply requirements	60 liters pr/min

