



Configuration 1: HTT with Rigid Buoyancy



Configuration 2: HTT without Rigid Buoyancy

The Hot Tap Tools have been designed and proven to clamp onto, seal and create orifices in rigid pipelines/flowlines in a single operation whilst the pipeline/flowline is still under pressure. Perforation of the pipeline is achieved without creating any swarf and with the coupon (tab) created during perforation remaining attached to the pipe.

Two variants of the tool have been designed; one with rigid buoyancy to deliver a required submerged weight and one with attachment points for adjustable inflatable buoyancy (e.g. lift bags). Functionally, the tools are identical but are geometrically different in some aspects, driven by the differing geometric constraints of their original areas of application.

Although originally intended for use on horizontal runs of rigid spools on or near the seabed, the HTT can be used on pipework in any orientation.

Features:

- Suitable for pipe up to 168mm OD
- Suitable for pipe WT up to 11mm
- Punched Orifice Size: up to 40mm
- Pipe Internal Pressure: up to 200Bar
- Combined Clamping & Sealing Mechanism
- Primary Seal: Elastomer
- Secondary Seal: Sealant Injection (Contingency)
- Integral Depressuring & Flushing Pipework

Specifications:

- Overall Dimensions 2422(H)x1550(W)x900(D) Config 1
2006(H)x1065(W)x1235(D) Config 2
- Dry Weight ≈1190kg (Dry) Config 1
≈970kg (Dry) Config 2
- Submerged Weight Client Defined
- Application Water Depth 100msw (adjustable)
- Hydraulic Input Pressure 10,000psi (690Bar) (max) – Clamping and Punching
3,000psi (207Bar) (max) – for all other operations
- Hydraulic Input Flowrate 14 L/min (max)

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