

FUGRO GASKET CLEANING TOOL

Fugro's gasket cleaning tool cleans the sealing faces of various wellhead connectors using a rotary cleaning assembly. The system comprises of commercial grade cleaning pads driven by a hydraulic motor. Standard versions are available for 13" to 5' 8" and 18" to 3' 4" wellheads; however any hub size or number of bores can be catered for by our engineers.

The motor is hydraulically supplied from the onboard ISO13628-8 type A dual port hot-stab receptacle which incorporates dual low crack pressure check valves. This allows bi-directional cleaning, while minimising water ingress when not in operation. A set of in-line flow regulators are factory set to allow a predetermined cleaning head revolutions per minute (RPM).

The tool features three off landing feet which help centralise it on the hub and sets the cleaning pads at a predetermined distance from the intended sealing faces to be cleaned. This stops the remotely operated vehicle (ROV) from being able to exert any unwanted force onto the hub during operation and offers a much more uniform cleaning result.

The cleaning is done by replaceable pads of 'Scotchbrite' type material (available in varying grades) which conform to the sealing face and clean without scoring. Integrated acid injection local to the pads can also be incorporated.

BENEFITS

- Operational efficiencies innovative landing feet design to centralise tool, maintaining consistent pressure on gasket for uniform clean
- Design configurations to suit any connector profile, size or number of bores
- Low maintenance solution with bespoke cleaning pad design
- Bi-directional cleaning profile, reducing scope execution duration





GASKET CLEANING TOOL

Technical Specifications

General

Typical size – 13-5/8" hub type	699 mm x 571 mm x 530 mm (l x w x h) (with fishtail handle)
Typical size – 18-3/4" hub type	699 mm x 713 mm x 653 mm (l x w x h) (with fishtail handle)
Typical weight in air – 13-5/8" hub type	44.7 kg (98.5 lb) (with fishtail handle)
Typical weight in water – 13-5/8" hub type	27.6 kg (60.8 lb) (with fishtail handle)
Typical weight in air – 18-3/4" hub type	46.9 kg (103.4 lb) (with fishtail handle)
Typical weight in water – 18-3/4" hub type	27.5 kg (60.6 lb) (with fishtail handle)
Design life	10 years (with regular maintenance)
Design depth	3000 MSW

Tool Supply (from ROV)

Maximum supply pressure	175 bar (2538 psi)
Maximum supply flow	7 lpm (1.8 gpm)
Operating fluid	Hydraulic oil – ISO 22/32, minimum SAE AS 4059 class 6B-F

Tool Output/Interface

Interfaces	13-5/8", 18-3/4", proprietary single and multi-bore hubs as required

Key Features

Anodised aluminium mounting plate, acetal landing feet, stainless steel hot-stab receptacles, "scotchbrite" type cleaning pads

Standard versions available for 13-5/8" and 18-3/4" wellheads or bespoke options for any profile, size or number of bores can be created

Acid injection can be incorporated; supplied from a second hot-stab receptacle/ bulkhead and onto the cleaning pad assembly

Choice of paddle/fishtail/T-bar or ring handle (client specific handle also available at additional cost)

Supplied in a dedicated offshore transit case



Multi-bore cleaning clusters



Cleaning tool on hub

