

# Actuator Running Tool

## For Horizontal SSIV actuator

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Part number: 5026244

**The tool is designed as a steel frame with hydraulic and mechanical operated functions designed to replace SSIV actuators.**

The ART is typically deployed from a surface vessel with a AHC crane. After landing on subsea structure, an ROV provides hydraulic power to the ART and performs series of tasks allowing picking the actuator up from the SSIV using a ISO 13628-8 Ø43 mm dual port hot stab.

The Subsea clamp for the SSIV secures the actuator in position on top of the SSIV. It is opened or closed using an ISO 13628-8 Class 4 Torque tool.

The actuator will then be recovered to surface by lifting the ART. The recovered actuator is then placed in an empty transportation skid.

A new replacement actuator is provided in a second transportation skid for installation on the subsea structure.

The transportation skids are used to store the ART and/or actuator.

## Key features

- Quick replacement of Horizontal SSIV Actuator
- DNV-ST-E273 2.7-3 Portable offshore units
- Payload: 8500 kg

ART has successfully been tested with 5° offset on landing base, and integrated adjustment cylinders (pitch, roll, x- and y-plane movement) can be used for alignment with valve.

## SIZE AND WEIGHT

- Size (W x L x H): 3329 x 2374 x 4231 mm
- Weight in air: 4780 kg
- Weight in water: 4080 kg
- Weight w / skid: 7460 kg

## INTERFACES

- Actuator: Custom 3 point
- Hydraulic: API 17H 2L Hot stab
- Guid funnel: 2 off ID 247,8mm, c-c- 3400mm
- Mini guideposts: 4 off
- ROV: D-handles, Grabber bar, visual indicators

## MECHANICAL

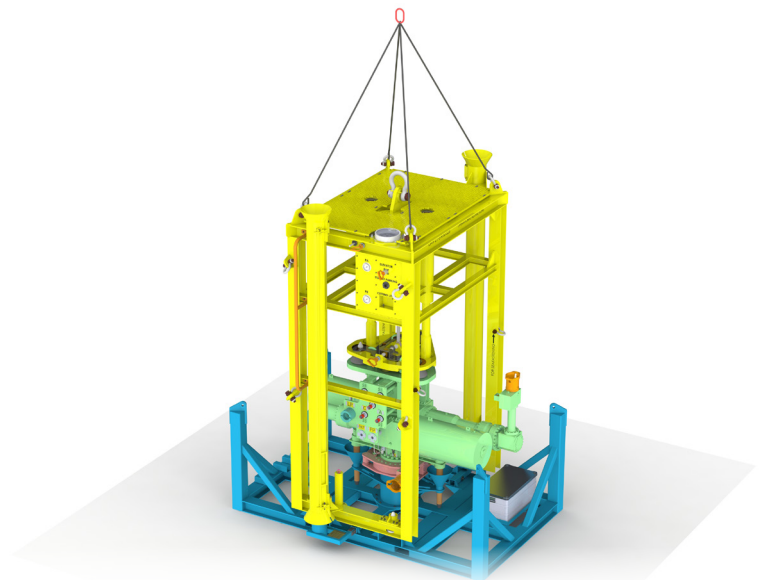
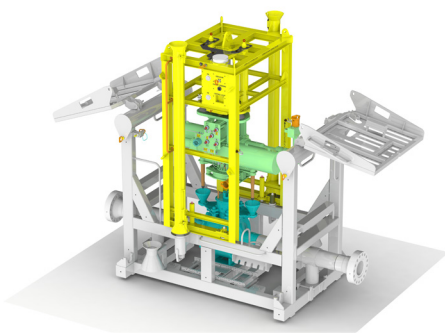
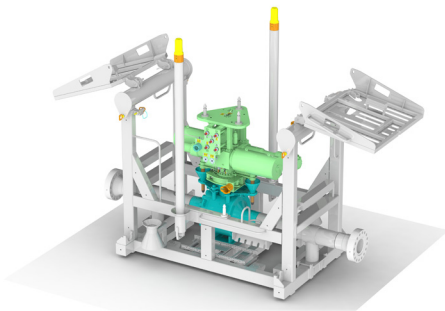
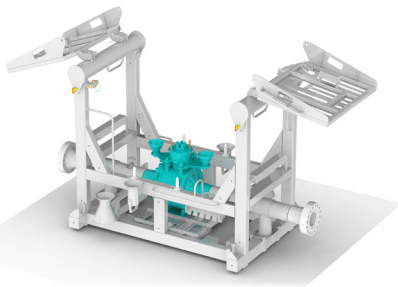
- Lifting certificate: DNV 2.7-3 R60 Subsea
- Max payload: 8500 kg
- Max. gross weight: 13500 kg
- Depth rating: 3000 meter
- Transportation: Dedicated transport skid
- Soft-landing: 2 off, closed loop, water based

## HYDRAULIC

- System pressure: 207 bar / 3000psi
- Lifting cylinder stroke: 800 mm
- Safety: Load holding valves
- Contingency: Cutting loops

## MATERIAL

- Frame: Carbon Steel, System 7 coating
- Brackets: 316L, S165M
- Shafts / nuts: S165M, OM7-20
- Bearings: Nylon, carbon reinforced
- Protection brackets: POM-C



CUSTOM BUILDS AVAILABLE ON REQUEST

Last modified: December 18, 2024

Note: We accept no liability for any printing errors or changes in specification.

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