



## Thruster support pool

Minimise downtime with our range of plug and play thrusters

### What is the thruster support pool?

At Rolls-Royce we understand that our customers require a quick, efficient turnaround when thrusters need to be overhauled.

In response to our customers' needs, we have launched the thruster support pool (TSP).

Our thruster support pool provides replacement units, enabling the exchange of a complete shipset of azimuth and tunnel thrusters, or just a single thruster as part of a planned maintenance solution.

This service considerably reduces the turnaround time of the vessel in dry dock – typically from 21 days down to 4-7 days, thereby increasing vessel availability and reducing off-hire costs.



TSP replacement unit ready and waiting



Vessel arrives at dock



Installation & commissioning by specialist Rolls-Royce Engineers



Vessel returns to operation in the shortest possible timescale

### Benefits of the service

- Predictable maintenance costs – Fixed price service based on size/type, and condition of the returned unit
- Repair and overhaul – Using genuine Rolls-Royce parts and incorporating design and model related upgrades
- Spin testing – All refurbished units are spin tested after overhaul
- Classification – Full classification of all units in the support pool
- Cost effective – No capital required for spare units, no Service Engineer waiting time charges
- Time efficient – No repairs or waiting for parts in dry dock leading to a significantly shorter turn-around time
- Maintenance efficiency – Full propulsion shipsets can be changed out in a single drydocking
- Global support – Dedicated facilities will be equipped to provide local service
- Warranty – Up to 18 months OEM warranty provided on units from the thruster support pool

# Fact Sheet

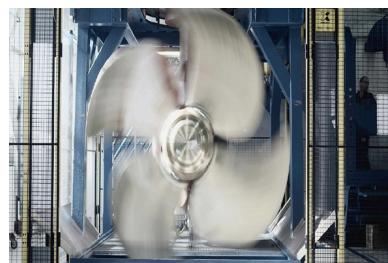
## Which product models are available?

Rolls-Royce has expanded its thruster support pool to include the most typical combination of thrusters installed on our customers' vessels, enabling them to take full advantage of this service and order a complete propulsion shipset when planning dry docking activities. In addition to the products shown please check with your local service office regarding the availability of further thruster types.

<b>TV</b> TV90 TV250 TV150 TV375	
<b>TT Standard</b> TT 1100 TT 1850 TT 2400 TT 1300 TT 2000 TT 2650 TT 1650 TT 2200	
<b>TCNS</b> TCNS 73 TCNS 92	
<b>Azipull</b> AZP 85 CP AZP 85 FP AZP 100 CP AZP 100 FP AZP 120 CP AZP 120 FP	
<b>Contaz</b> Contaz 15 Contaz 25	
<b>US Standard</b> US 205	

## How does it work?

1. The removed thruster is returned to a specialist Rolls-Royce workshop where it is cleaned, sandblasted and primed.
2. Complete disassembly and inspection of the used unit is undertaken.
3. The unit is overhauled according to factory standard specifications using genuine Rolls-Royce parts and any design or model related upgrades are incorporated.
4. Spin testing is carried out to detect leakage, measure vibration and temperature before performing final adjustments to ensure full functionality.
5. The thruster enters into the support pool with new zinc anti-corrosion anodes and approved coating plus an OEM Warranty and society classification.



## Rolls-Royce - a total solutions provider

At Rolls-Royce, we pride ourselves in our ability to work in partnership with our customers where we listen, establish requirements, and then offer service solutions to match. Our comprehensive menu of services is designed to accommodate different operational environments to offer varying support needs, and manage the balance between operational availability and cost. Supported by a strong global service network with 24/7 technical support and skilled workshop service team, create the peace of mind by making Rolls-Royce your single point of contact.