



Fluoroglide® Subsea J and T bearings for PLETS and pipelines

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About us

Utilising our range of Fluorinoid® load-bearing low friction materials for over 30 years, we have gained a global reputation for providing slide bearing, pipe supports and skidway solutions to the Construction and Oil & Gas Industries.

We manufacture specific Bearings for subsea use.

Fluorocarbon bearings are used on projects incorporating PLETS (Pipe Line End Terminals) where movement may occur between the pipeline/ riser assembly and mud mat.



Technical Solutions

Fluorocarbon subsea bearing systems have been developed to solve the challenges met by our customers including BP, Total, Inpex and many more.

We have in house testing available to prove both friction and life expectancy.

You can be confident that once fitted there will be no maintenance required and the friction will stay consistent throughout the service life.

The reliable low friction values provided help to mitigate many of the common issues including pipeline walking and excessive stress in both the pipeline and surrounding infrastructure.

FL134 Subsea Bearing Sliding Pads

J Bearings

Fluorinoid® FL134 Material

Our material PTFE Fluorinoid® FL134 has been developed to give outstanding performance in subsea conditions.

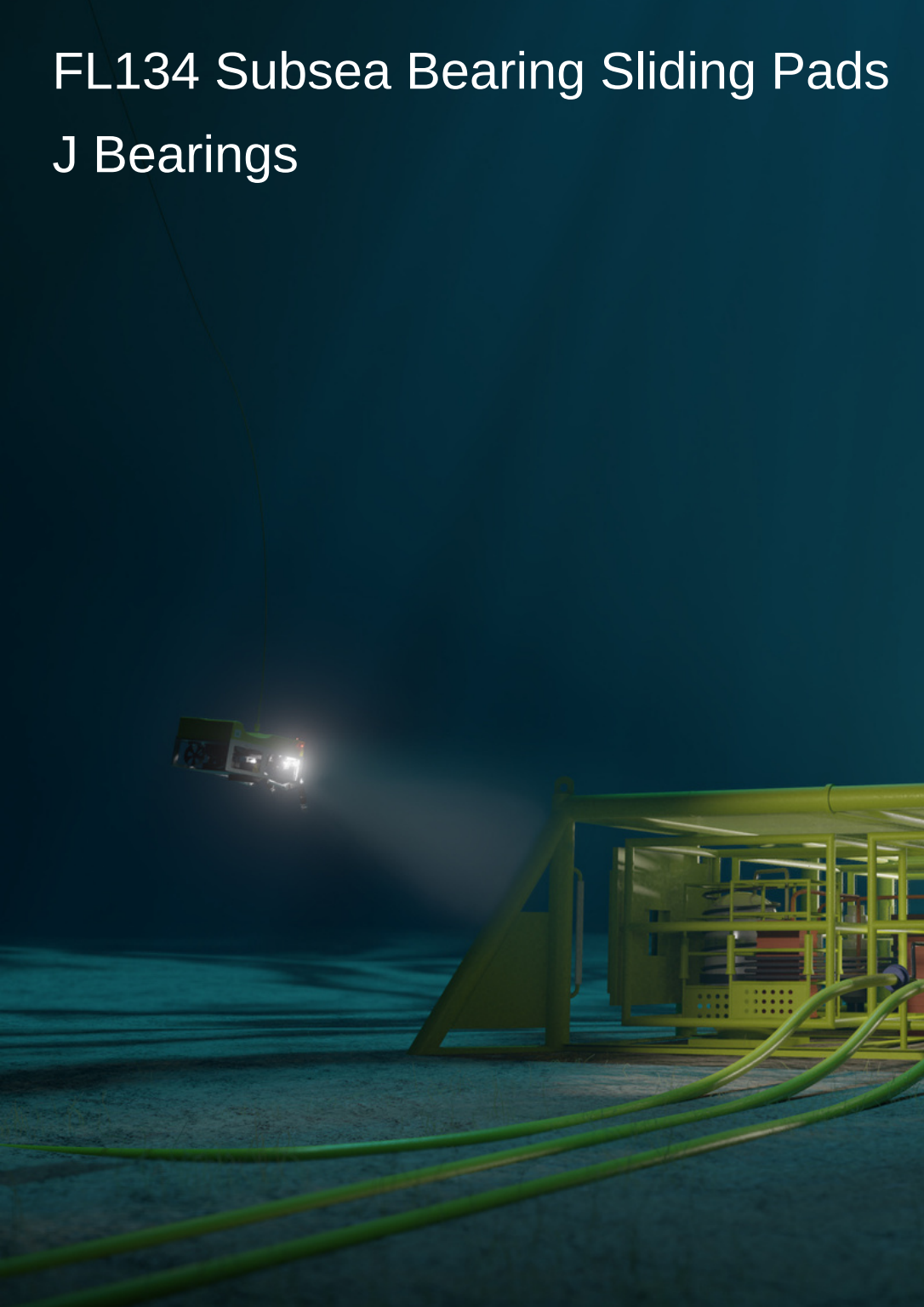
Fluorinoid® FL134 PTFE material will not support any kind of marine growth or allow attachment of marine growth such as barnacles etc.

Testing and Approvals

The design has been approved by both BP and Total for use on PLETS oil fields at depths of 1,500 metres in Angola. In-house and independently verified testing has been undertaken on this material in sea water, under controlled conditions.

Applications

This type of bearings are used on projects incorporating PLETS (Pipe Line End Terminals) where movement may occur between the pipeline/riser assembly and mud mat.



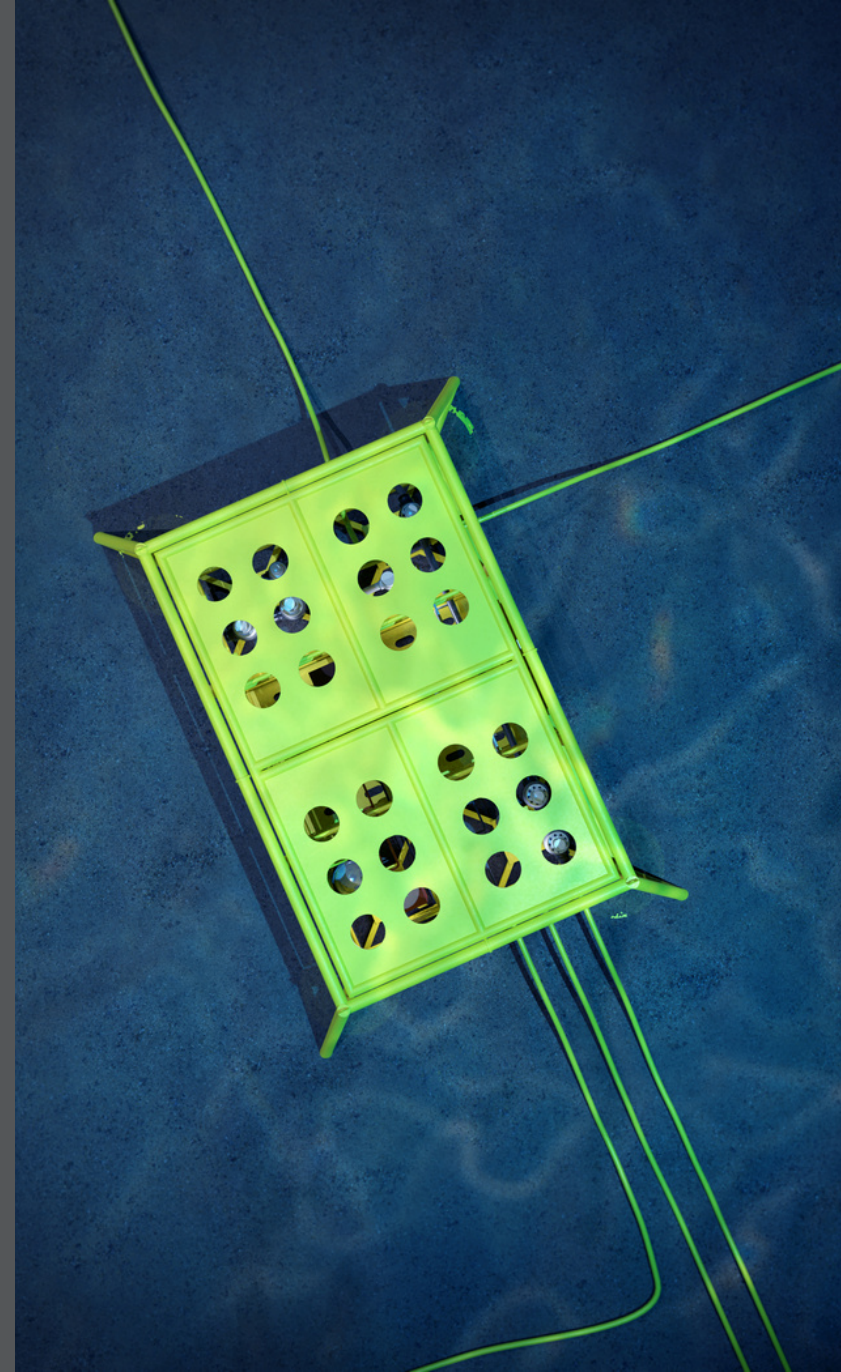
FL134 Subsea Bearing Sliding Pads

J Bearings

The repeated expansion and contraction of pipe lines fixed to the subsea PLET's often causes the base to dig into soft silt, resulting in unacceptable stress levels building up in the attached pipe lines over a period of time.

Using our Subsea Bearing Sliding Pads between the equipment mounting plate, which is a rigid structure, and the mud mat allows movement without resulting in stress build up.

Project specific long term testing can be undertaken by Fluorocarbon and independent Test Houses that can approve the bearing for subsea applications.



If you need more information about our
products and services
Contact us: info@fluorocarbon.co.uk

FL340 Subsea Bearing Sleeper Pads

T Bearings



Fluorinoid® FL340 Material

Fluorinoid® FL340 polymer is used as a capping bearing in subsea pipe cross over sleepers. Fluorinoid® FL340 is chosen for this application due to its very high abrasion resistance, inertness to marine growths and low coefficient of friction. Fluorocarbon are able to supply Fluorinoid® FL340 manufactured to bespoke finished dimensions.

Testing and Approvals

The abrasion resistance has been qualified on purpose build environment (including sand) simulated equipment.

The system has been tested in house on our specialised equipment to prove the friction characteristics and wear properties in varying conditions.

Applications

Our range of T bearings have been developed for use in the subsea equipment area, for power cable and pipe line support walls and cross over points. Also used in subsea buckle initiation sleeper units as slide ways.

FL340 Subsea Bearing Sleeper Pads

T Bearings

Friction wear on pipe lines insulated coating, high voltage power cables and high temperature pipe lines situated on the sea bed can cause damage where they have to cross over existing pipes and power cables.

Concrete or steel structures are designed to be situated at these cross over points to carry the pipes and cables which are continually expanding and contracting due to temperature variations.

The T Bearings can be manufactured to bespoke requirements, and machined to fit on the top of the concrete or steel structures.



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Why choose Fluorocarbon?

Using steel on steel sliding interfaces can be very unpredictable due to the variation seen in friction.

This is one of the main consideration when we specify why these bearings do not only provide low friction but low friction that stays consistent throughout the life of the system.

The world is changing.

We're committed to changing with it!



If you need more information about our products and services
Contact us: info@fluorocarbon.co.uk

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Work with us!

Fluorinoid® trademark is the intellectual property of
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