



WELL INTERVENTION

Wireline Equipment

TIS Lightweight Wireline Sheaves



TIS Manufacturing | Well Intervention | Lightweight Wireline Sheaves

TIS Wireline Sheaves are supplemented by a comprehensive range of bespoke accessories to support a range of client requirements for well intervention operations.

Mark II Composite Sheave Wheels are produced from a robust composite material which is lightweight, ensures dimensional stability, reduces inertia, increases accuracy and increases life of the wire.

Features :

- CE ATEX Zone compliant design
- Mark II Composite Sheave Wheel
- Solid Oil Bearings
- Lifting Rings
- Spring Loaded Keeper Blocks
- Sheave Accessories:
 - Floor Stands
 - Support Brackets
 - Line Wipers
 - DSL Wire Guides
 - Secondary Retention Kits



Lightweight Wireline Sheaves | Framework & CE ATEX Design

TIS Sheave Assemblies are designed in accordance with CE ATEX. All framework is produced from a high grade aluminium alloy to ensure low weight without compromising structural strength. Frames are then bead blasted and Xylon coated to give a harder finish and protect from corrosion.

Additionally, the aluminium and composite materials provides acoustic damping properties, reducing the damaging effects of resonant frequencies on the wire. All other components are made from stainless steel.



Lightweight Wireline Sheaves | Mark II Composite Sheave Wheel

Sheave Wheels are produced from an aerospace-grade composite material which is light weight, ensures dimensional stability and reduces wear on the wire.

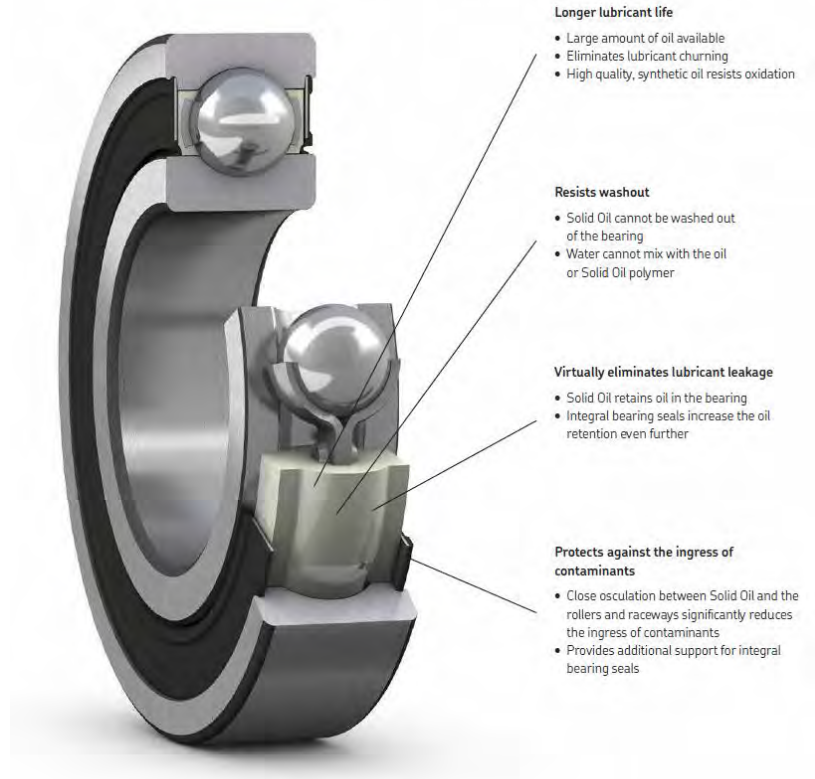
The wheel is also designed to reduce the inertia during jarring operations, ultimately providing increased accuracy and fine control during deployment and recovery.



Lightweight Wireline Sheaves | Solid Oil Bearings & Keeper Blocks

All TIS sheave assemblies are designed to utilise sealed **Solid Oil Bearings** for a minimal maintenance product which do not require grease nipples.

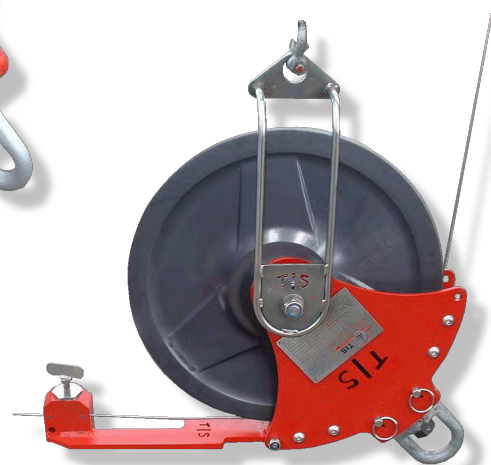
Spring Loaded Keeper Blocks are fitted within the framework to eliminate the risk of wire jump during operations, increasing accuracy and fine control during deployment and recovery.



Lightweight Wireline Sheaves | Floor Stands, Support Brackets & Line Wipers

Optional **Sheave Floor Stands** and **Sheave Support Brackets** are available for standard assemblies to facilitate a variation of wire deployment arrangements during operations.

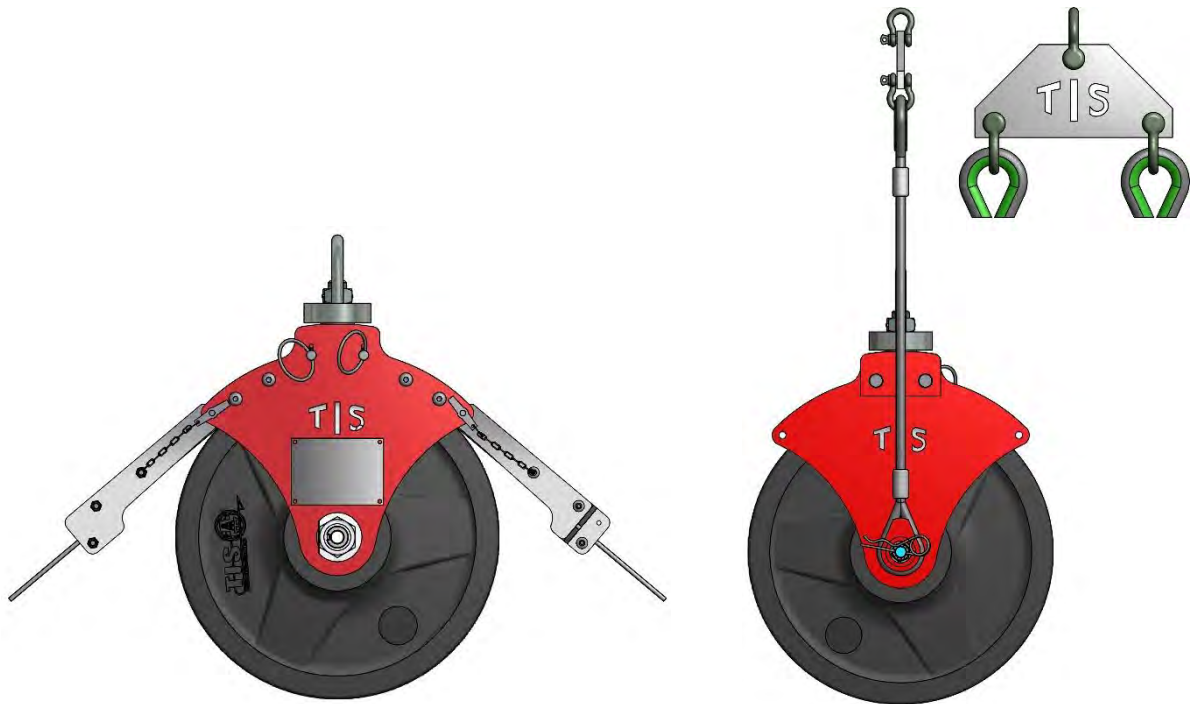
An optional **Line Wiper** attaches to the sheave frame and serves to remove excess grease from the wire as it is recovered from downhole operations and spools back onto the wireline unit drum. This action reduces the risk of corrosion to the wire as it sits static on the drum after use.



Lightweight Wireline Sheaves | DSL Wire Guides & Secondary Retention Kits

An optional **Digital Slickline Wire Guide** is designed to ensure correct alignment of the wire and sheave wheel at all times. This prevents damage to the high cost digital slickline by eliminating operator error.

An optional **Secondary Retention Kit** is designed to provide a reserve point of suspension for the sheave, should the primary lifting point fail. This preventative measure ensures less risk of injury to personnel, as well as less risk of damage to the wire and equipment in the surrounding area during operation.





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