

TIS LIGHTWEIGHT WIRELINE SHEAVES

STANDARD WIRELINE SHEAVES & ACCESSORIES

| WHEEL DIAMETER | MAXIMUM WIRE SIZE | MAXIMUM LINE PULL | WEIGHT | AVAILABLE ACCESSORIES | | | | |
|----------------|-------------------|---------------------|--------|-----------------------|-----------------|---------------------|------------|----------------|
| | | | | FLOOR STAND | SUPPORT BRACKET | SECONDARY RETENTION | LINE WIPER | DSL WIRE GUIDE |
| 410mm 16" | 0.125" | 1,632kg 3,600lbs | 10kg | ✓ | ✓ | ✓ | ✓ | ✓ |
| 410mm 16" | 7/32" | 3,742kg 8,250lbs | 14kg | ✓ | ✓ | ✓ | N/A | N/A |
| 510mm 20" | 0.160" | 1,928kg 4,250lbs | 16kg | ✓ | ✓ | ✓ | ✓ | N/A |
| 560mm 22" | 5/16" | 9,072kg 20,000lbs | 32kg | ✓ | ✓ | ✓ | N/A | N/A |

Sheave Wheels

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.



Framework

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.

Bearings

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

Keeper Blocks

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.

Line Wipers

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.

DSL Wire Guide

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.



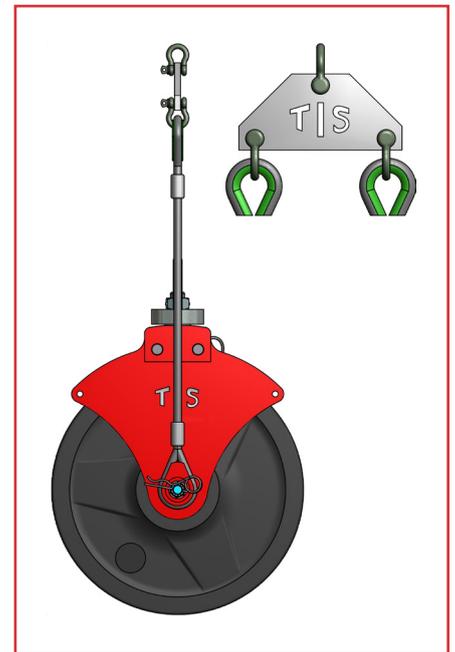
Floor Stands & Support Brackets

Optional sheave floor stands and sheave support brackets are available for standard assemblies to facilitate a variation of wire deployment arrangements during operations.

Secondary Retention Kit

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, a well as less risk of damage to the wire and equipment in the surrounding area during operation.



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