

Well Intervention

ParaSheave

The ParaSheave is an intelligent sheave assembly that guides the wire into the well and at the same time is integrated with the measuring sensors for depth, speed and tension. The ParaSheave is mounted on top of the ParaComm antenna with the stuffing box assembly. The ParaSheave is equipped with certified electronics to communicate depth, speed and tension data to the ParaComm antenna that is connected to the ParaComm data processing panel in the winch unit.

By using the ParaSheave there is no longer a requirement for a conventional measure head system that is normally installed at the winch unit.

With the ParaSheave, design the wire experiences low slippage by the 180° contact around the top of the sheave wheel and this result in a reliable and accurate depth measurement. With an RPM measurement at the winch drum and cable lengths that are marked on the Slick E-line cable providing a 300% redundancy level for depth.

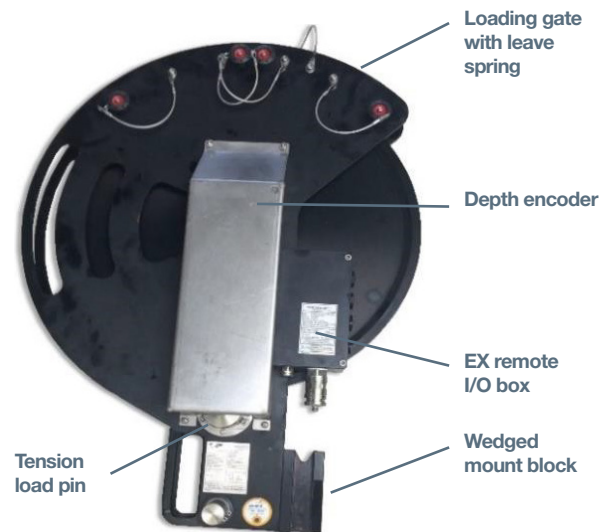
The line tension is calculated for an optimum wire fleet angle of 5° to vertical axis. The ParaSheave cable guide design significantly reduces the friction on the wire. This leads to minimal wear and a significant increase of life for both the cable and sheave.

Features

- Hardened aluminium wheel with lowest friction and highest corrosion resistance
- Integrated design with encoder for depth, speed and load pin for 2T line tension
- Quick release EX PoE snap connectors
- Easy wire installation with spring leave
- Easy replacement of encoder, load pin and bearings
- Eye clevis for use as top sheave (option: wire cutter)

Benefits

- Reliable and most accurate depth measurement by 180° line contact and lowest slippage
- Significant increase of life-time of cable (by absence of conventional measuring head)
- Low friction for exceptional durability of both cable and wheel
- Zero maintenance for sheave design with enclosed bearings



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Technical specifications		
Temperature rating	-20 / + 60°C	
Height	803 mm	2.6 ft.
Weight	31 kg	68 lb.
Wireline diameter	0.092 to 0.160" (or to 7/32")	
Sheave size (A1204964)	20" (groove 508.8mm)	
Groove radius	2.75 mm	
Maximum SWL	2000 kg	4410 lb.
Load pin (A1205070)	Ø 35 mm	
Electrical connection	EX PoE snap connectors	
Cable	A1204141, 1.7 m to ParaComm antenna	
Bottom connection	Wedged mounting block (lockable)	
EX connection	CE EX II 2 G IIB T3 (zone 1)	
Standards	EN-IEC 60079-0, -7, -11, 17, -18 EN 13463-1:2009 94/9/EC, 98/37/EC	
Service	H2S	
Calibration fixture	A1205105	
Option	Eye nut clevis for use as top sheave	