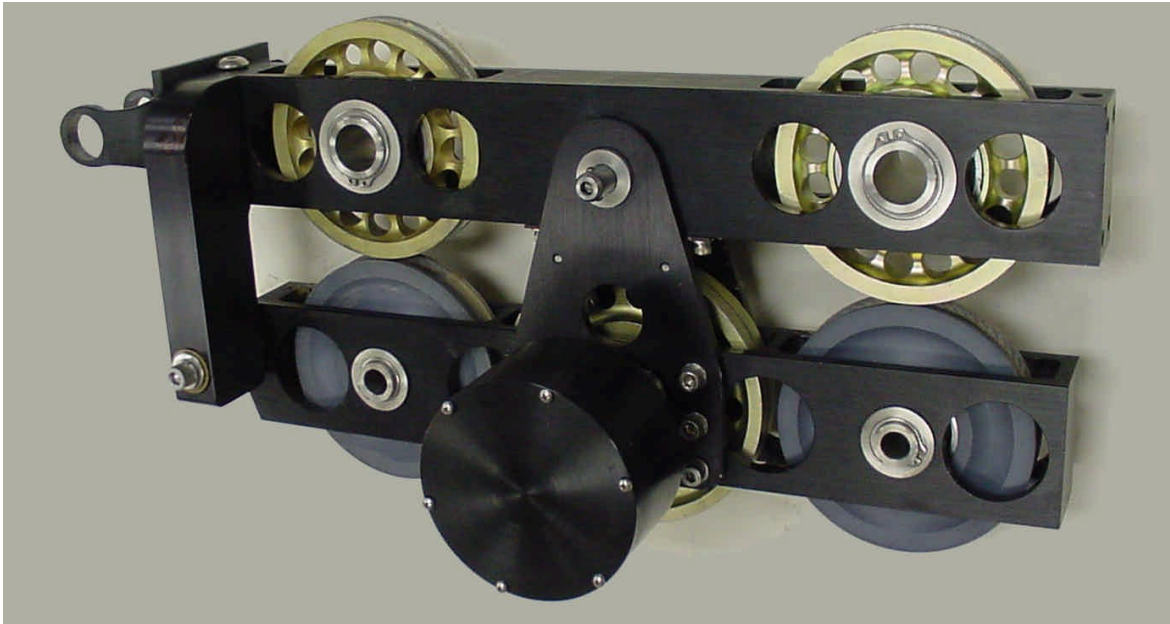


INLINE TENSION DEVICE

This device is designed to provide wireline tension data in place of a derrick mounted load cell. It is installed on the wireline next to the existing measuring head. Tension is calculated by slightly bending the wireline over the tension wheel. The wheel axle is gauged to produce a voltage output.



FEATURES / BENEFITS

Eliminates need for a load cell to be mounted above the top sheave. This makes it particularly useful on rigup's where a top sheave is not used.

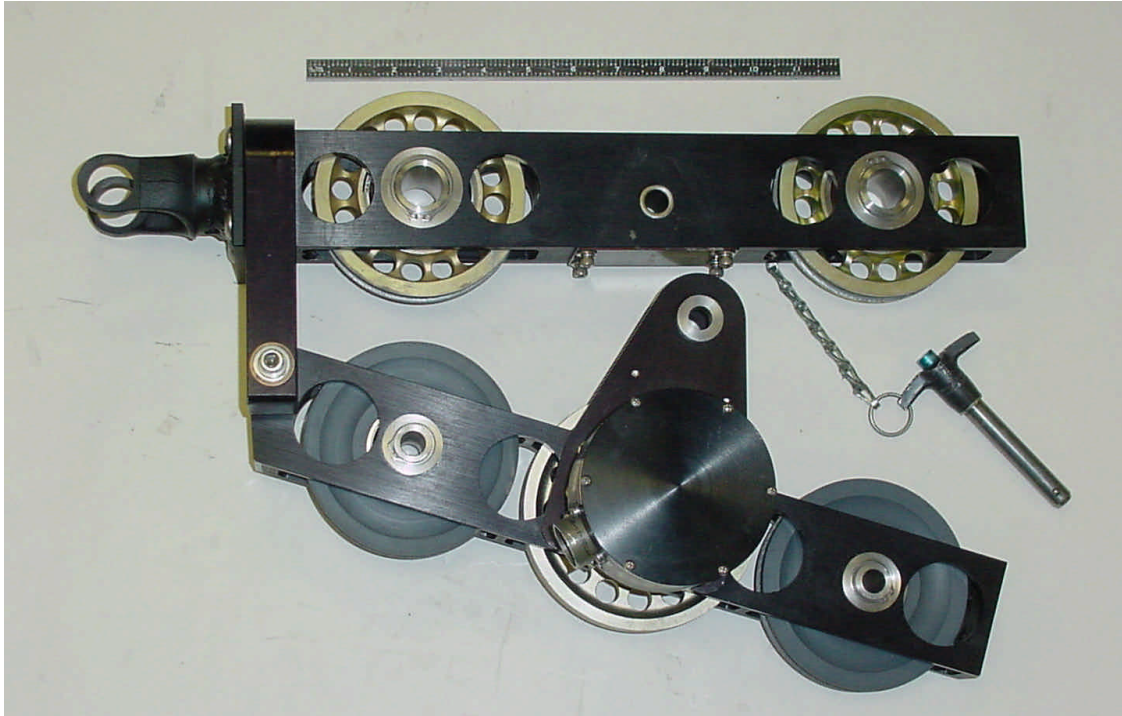
Increased reliability over rig mounted load cell by eliminating long cables going to the top sheave and rough treatment of load cell.

Faster rigup than conventional systems. Eliminates need for cable spools, T-bar pins, shackles, etc.

Bottom assembly hinges down for easy cable installation and removal.

Can be interfaced to existing systems. 4-20ma, low voltage, and differential voltage outputs available.

SPECIFICATIONS



Cable Sizes : .22" to .484" 5.5 mm to 12.3 mm

Cable Bend: Varies depending on cable size.
Minimal affects on magnetic marks.

Height:	9"	229 mm
Width:	7"	178 mm
Weight:	21 lbs	9.5 kg
Length (frame):	16 3/4"	425 mm
(yoke):	20"	508 mm

Power Requirements: 12 – 30 vdc

Temperature stability: <= .015% full scale / deg F on zero
<= .02% full scale / deg F on output

Absolute accuracy: +/- 3% full scale

Maximum load (tested):	16,000 lbs	7,258 kg
(theoretical):	20,000 lbs	9,072 kg