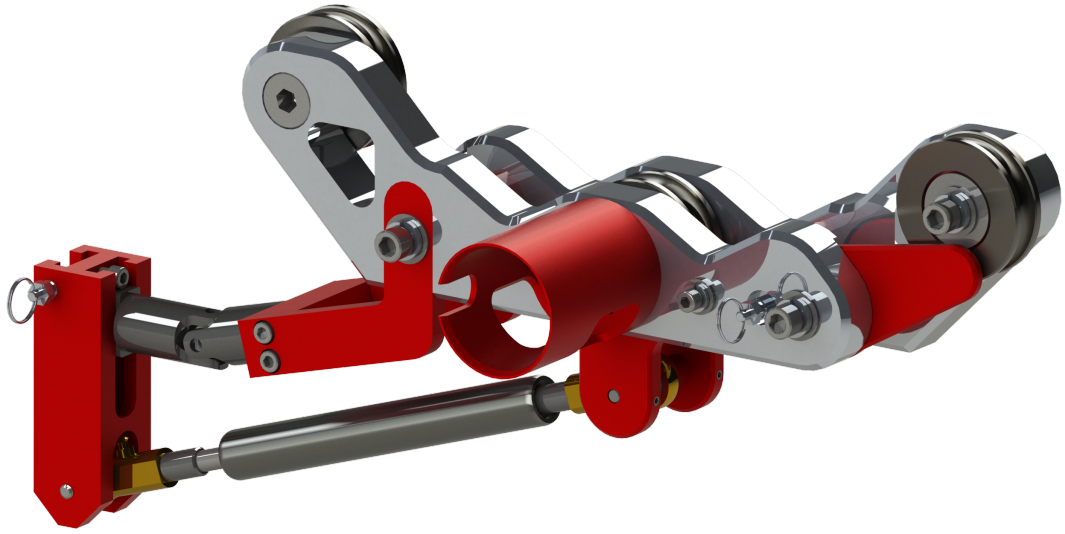
E-Line

Tension Device



Application

DataCan's Inline Tension Device attaches to the Braided Line Measuring Head or Universal Measuring Head. The cased hole version can measure 15,000 lbf tension in cable up to 3/8", and the open hole version can measure 20,000 lbf tension in cable up to 1/2". The Device utilizes a 4-wire resistive transducer in the load pin that connects to DataCan's Depth Tension Display (DTD) or Linewise. Custom cables can be built to connect the tension device to other compatible acquisition systems.

Benefits

The Inline Tension Device can be quickly calibrated in the field with an easy two-step process using a calibration device. The deflection path through the tension device's wheels is small, minimizing line bending and fatigue. The side loading design allows for fast and easy installation and maintenance.

Features

- Open Hole Unit Available for Cable up to 1/2 in - Maximum Tension of 20,000 lbf
- Cased Hole Unit Available for Cable up to 3/8 in - Maximum Tension of 15,000 lbf
- Attaches Directly to DataCan's Braided Line or Universal Measuring Heads
- Connects to DataCan's DTD or Linewise
- Custom Cables Available for Other Acquisition Systems

Inline Tension Device

Compatible Measuring Head	Well Type	Part No.
Braided Line Measuring Head	Open Hole	AM604UU0004
	Cased Hole	AM604UU0001
Universal Measuring Head	Open Hole	AM604UU0009
	Cased Hole	AM604UU0008

Accessories

Accessory Type	Part No.
Depth Tension Display (DTD)	109987
Inline Tension Cable (Various Lengths)	AE304UU0035
Linewise Acquisition System	AE304UU0002
Inline Tension Calibration Device	AM401UU0001

Spare Parts

Description	Part No.
Roller (Cased Hole Unit)	PM604UU0008
Roller (Open Hole Unit)	PM604UU0029
Line Roller Bearing	111085
Line Retaining Latch	PM604AA0022

Specifications

	Cased Hole	Open Hole
Line Size	3/16 in to 3/8 in	3/8 in to 1/2 in
Length	19.9 in (50.5 cm)	23.5 in (59.7 cm)
Width	6.5 in (16.5 cm)	6.5 in (16.5 cm)
Height	9.8 in (24.9 cm)	11.3 in (28.7 cm)
Weight	12 lbs (5.4 kg)	14 lbs (6.4 kg)
Max Tension	15,000 lbf	20,000 lbf
Accuracy	± 50 lbf	
Input Voltage	5-10 V	
Output	2 mV/V	