

RTC-001

"Cirneco"

Part Number: RTC-001

4...20 mA 2 wire current loop output
Both standard and Certified
(Zone 0 Ex ia IIC optional)
Rated for 20,000kg 32mm diameter cable
(Rated for 44,000lb 1.25" diameter cable)

MS6 Connector Standard

Can be made with optical encoders as an option to measure length of cable passing through, both certified and non-certified to hazardous areas.



Certified to ATEX, IECEx and CSA

Non certified version also available

Hook Load / Dead Line Sensor Cable $\varnothing$ 16mm to $\varnothing$ 32mm

Preliminary



Technical Data

Operating temp:	- 40 ...+ 60° C
Optional	- 40... + 85°C
Load Cell Certification	ATEX;CSA and IECEx
Weight:	24 lbs (11 kg)
Protection:	IP 66 / X7 M
Material Load Cell:	Stainless Steel
Material Chassis:	Aluminum
Material Wheels:	Aluminum
Power Supply	12/24 Vdc
Output Tolerance	0,25% of full scale
Calibration Error	Under 5%
Temp effect	Full shift 0.035%/10C

Advantages

- Easy MS6, MS7 or MS10 connection
- One design allows for variable forces
- Easy to switch between cable diameters
- Field replaceable load cell, in the event of a failure, only the actual load cell is replaced

Connection Options

MS6, MS7, MS10 (available as wireless as well)

+ Loop	PinA
- Loop	Pin D

Capacities

The load capacity can be adjusted by adding/removing external spacers to raise/lower the central pulley. This allows for various fixed positions to measure a combination of forces and cable diameters from the same device.

Certification

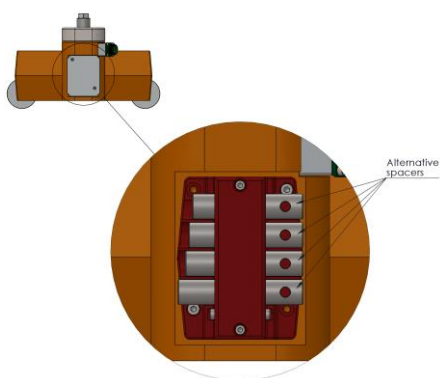
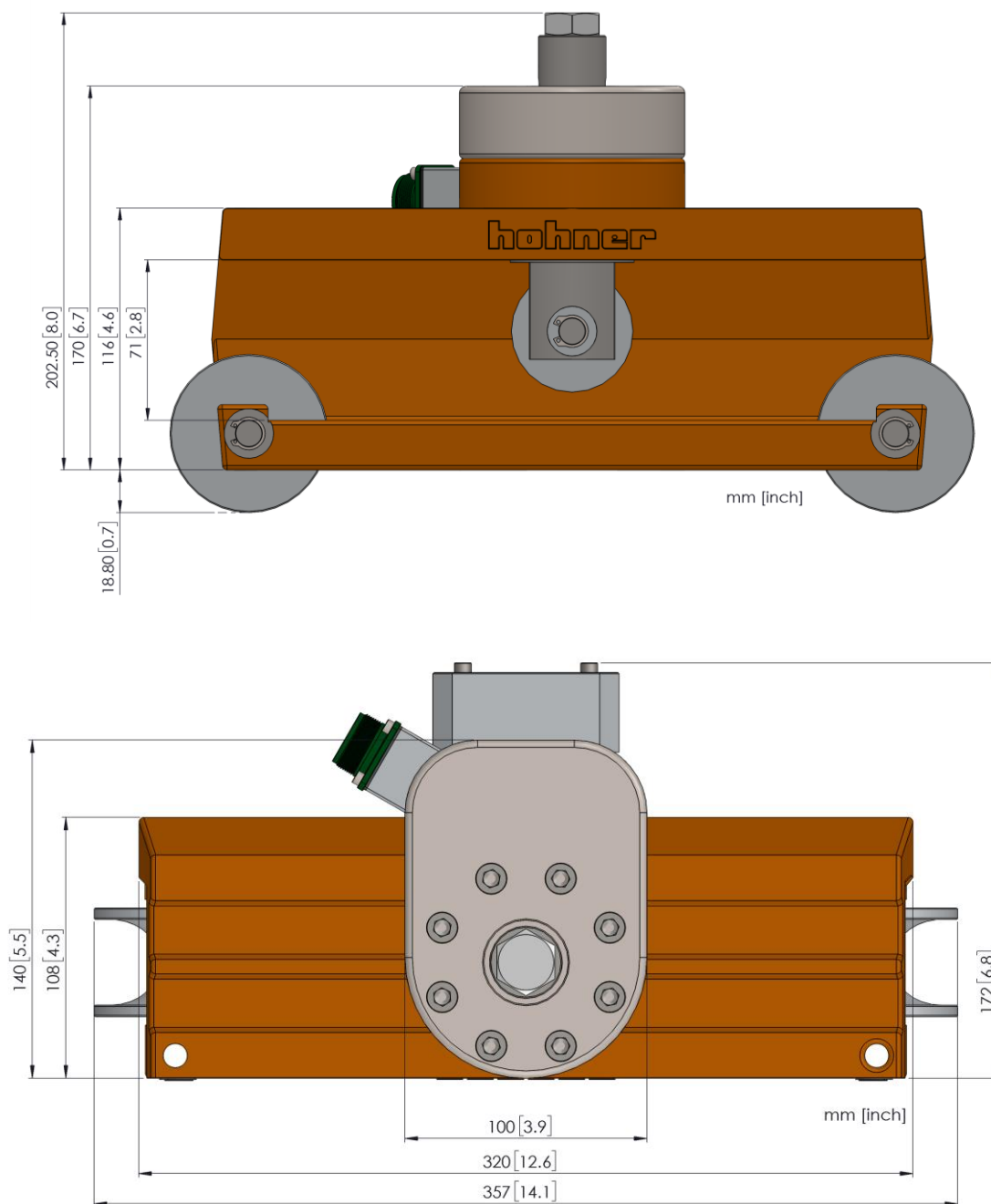
IP 66 and Ex ia IIC

From Load Cell

Best suited to work with the following MTL isolator: MTL5541

Tension Spacers

The unit has tension spacers to get the correct tension per cable diameter.
This allows for many variations in min and max spans.
On average the cable will bend about 10mm.



Ø Cable	Lenght Spacer
16mm	78mm
18mm	76mm
20mm	74mm
22mm	72mm
24mm	70mm
26mm	68mm
28mm	66mm
30mm	64mm
32mm	62mm

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