

Titan Tension

Range of Load Cells



CE

upto
IP68

Features

- 500kg, 1,000kg, 2,000kg, 3,500kg, 5,000kg and 7,500kg.
- Fully welded Stainless steel construction, with sealing up to IP68.
- Inbuilt strength 150% maximum overload.
- Designed and manufactured in the UK with a 5 year warranty.

Options

- Eyebolts for 500kg, 1,000kg, 2,000kg and 3,500kg capacities.
- Shackles for the 2,000kg, 5,000kg and 7,500kg capacities.
- Digital with RS485 ASCII, Modbus, CAN and CANopen outputs.
- High temperature up to 160°C.
- Range of industrial instrumentation and weight controllers.

Description

The Titan Tension range of load cells are designed for harsh industrial applications. Uses include hoppers, vessels and tank weighing. The load cells are fully welded and sealed against the ingress of moisture and dust.

ENGINEERING SPECIFICATIONS

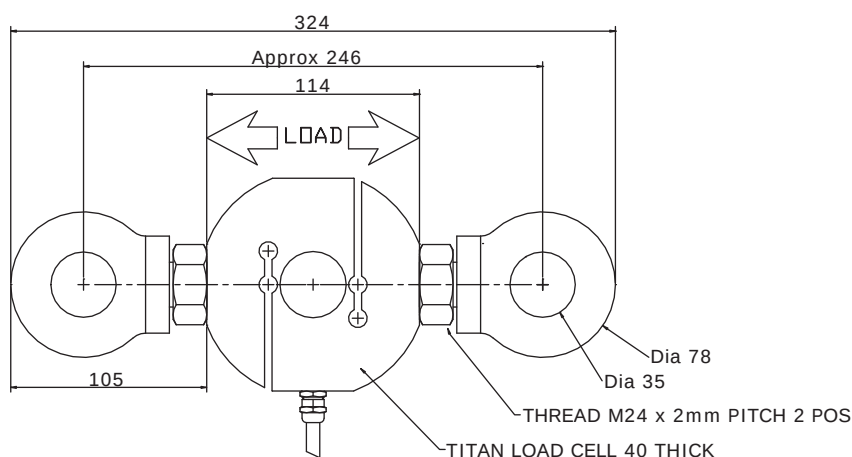
TITAN TENSION LOAD CELL

Specifications

Full Scale Output:	2.00mV/V Nominal	Protection:	up to IP68
Creep (in 20 minutes)	0.02% maximum	Safe Overload:	150%
Non-Linearity:	0.03% maximum	Insulation Resistance:	2000 MΩ
Hysterisis:	0.05% maximum	Zero Balance:	±1% F. S.
Non-Repeatability:	0.02% maximum	Supply Voltage:	5-12 V (DC or AC)
Compensated temperature range:		Max Voltage:	15V
-10°C ...+40°C		Output Resistance:	350±5Ω
Operating temperature range:		Input Resistance:	380Ω± 30 Ω
-40°C ...+80°C		Load cell material:	Stainless steel 17-4 PH

PART NUMBERS 500kg, 1,000kg, 2,000kg & 3,500kg

Capacity	Part Number	Capacity	Part Number
500kg	AW517/00500	3,500kg	AW517/03500
1,000kg	AW517/01000	Optional Eyebolt	AW930/00003
2,000kg	AW517/02000	Optional Rod End Bearing	AW931/00003



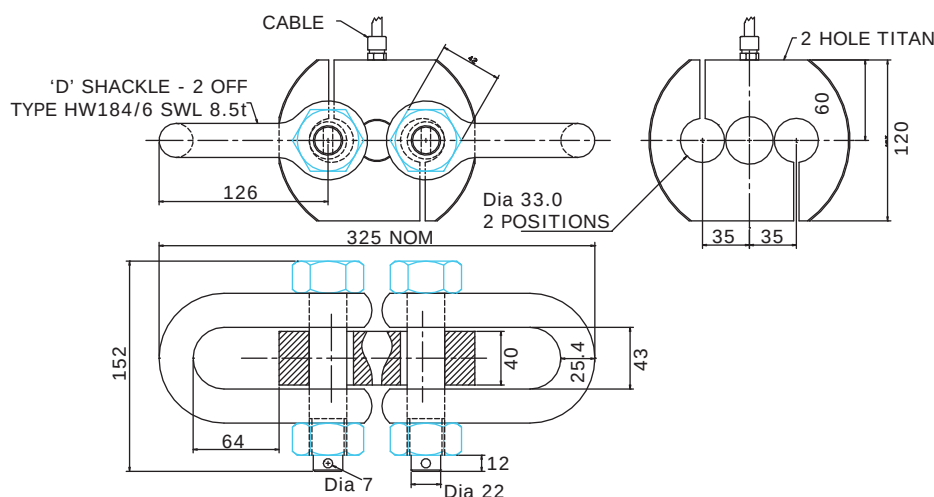
Weight
Load cell only 3.3 kg

Cable 6 meters
4 core screened

NOTE
As a safety precaution additional overload restraints may be required - refer to installation manual

PART NUMBERS 5,000kg & 7,500kg

Capacity	Part Number	Part	Part Number
5,000kg	AW518/05000	Optional Shackle	AW930/00020
7,500kg	AW518/07500		



Weight
Load cell only 3.4 kg

Cable 10 meters
4 core screened

NOTE
As a safety precaution additional overload restraints may be required - refer to installation manual