

ADS-742

DOUBLE ENDED SHEAR BEAM LOAD CELL



DESCRIPTION

ADS - 742 is a Double Ended Shear Beam Load Cell suitable for Overhead Crane Scale with High Grade Environmental Protection.



APPLICATIONS

- Overhead Crane Scale
- Steel Embody Scale



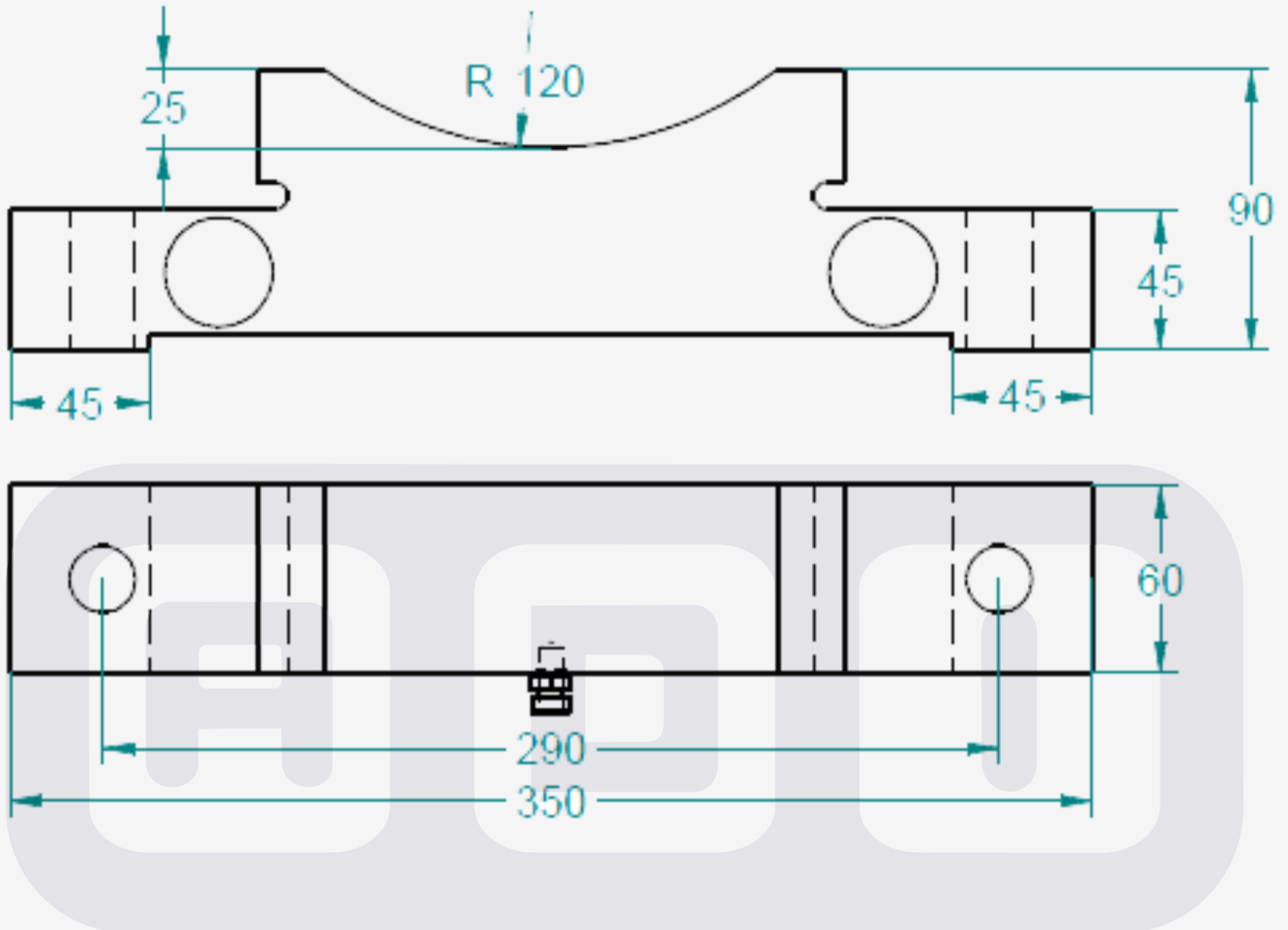
KEY FEATURES

- Wide capacity range
- Alloy Tool Steel construction
- High Environment Protection
- High Operating Temperature Up to 150 °C

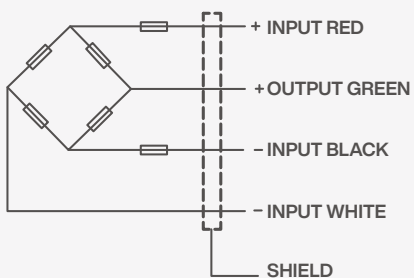
SPECIFICATIONS

Rated capacity	: 10, 20, 30 Ton
Excitation Voltage	: 10 V DC-Maximum 15 VDC
Rated Output	: 2.0 mV / V
Non - Linearity	: $\pm 0.1\%$ FSO
Hysteresis	: $\pm 0.2\%$ FSO
Non-Repeatability	: $\pm 0.1\%$ FSO
Creep error (30 Minutes)	: 0.03 % FSO
Zero Load Output	: $\pm 1\%$ FSO
Input Resistance	: 770 ± 20 Ohms
Output Resistance	: 700 ± 5 Ohms
Insulation Resistance	: > 1000 Mega Ohms
Side Load Allowed	: 50 % of Rated Capacity
Safe Overload	: 150 % of Rated Capacity
Ultimate Overload	: 250 % of Rated Capacity
Temperature Compensated Range	: 0 - 60 °C
Temperature Effect on Output	: $< \pm 0.002\%$ of FSO / °C
Temperature Effect on Zero	: $< \pm 0.002\%$ of FSO / °C
Deflection	: < 0.6 mm at FSO
Finish & Construction	: Electroless Nickel Plated Tool Steel
Environment Protection	: IP67 / IP68
Cable Length	: 15 Meters

DETAILED DRAWING



Electrical Termination



ADI CONTROLS

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