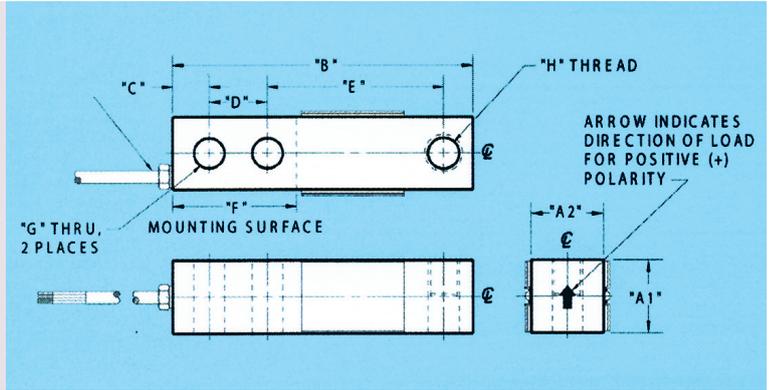


Model Atrax Shear Beam Load Cell

Precision Shear Beam, Load Cell from 250kg to 10 tonne



Capacity

| Metric Version | Imperial Version |
|----------------|------------------|
| 250kg | 500lbs |
| 500kg | 1000lbs |
| 750kg | 1500lbs |
| 1000kg | 2000lbs |
| 2000kg | 2500lbs |
| 5000kg | 4000lbs |
| 10000kg | 5000lbs |
| | 10000lbs |
| | 15000lbs |
| | 20000lbs |

SPECIFICATION

| | |
|--------------------------------|----------------------------------------|
| Rated capacity | 500lbs to 20000lbs 250kg to 10000kg |
| Full Scale Output | 3.0mV/V \pm 1.25% |
| Non repeatability | \leq .01 |
| Zero Balance | \leq .01 |
| Insulation resistance | > 1000 Mohms at 50 VDC |
| Compensated temperature range | 14° to 104°F / -10 °to 40°C |
| Operating temperature range | 0° to 150°F / -18° to 65°C |
| Storage temperature range | -60° to 185°F / -50° to 85°C |
| Input resistance | 343-357 Ohms |
| Output resistance | 349-355 Ohms |
| Recommended Excitation Voltage | 10 Volts DC |
| Maximum Excitation Voltage | 15 Volts DC |
| Sideload Rejection Ratio | 500:1 |
| Safe sideload | 100% of rated capacity |
| Safe overload | 150% of rated capacity |
| Ultimate overload | 300% of rated capacity |

DIMENSIONS

| Capacity | A1 | A2 | B | C | D | E | F | G | H | Deflection | Weight |
|----------|--------|--------|---------|--------|--------|---------|---------|--------|--------------------------------------------------|---------------|--------|
| 500lbs | 1.00 | 1.25 | 5.12 | 0.62 | 1.00 | 3.00 | 2.25 | 0.53 | 1/2-20 UNF-2B, \emptyset 0.53x0.50 Deep C'bore | 0.013 | 1.7 |
| 1k-4k | 1.25 | 1.25 | 5.12 | 0.62 | 1.00 | 3.00 | 2.25 | 0.53 | 1/2-20 UNF-2B, \emptyset 1.53x0.62 Deep C'bore | 0.017-0.025 | 4.0 |
| 5k-10k | 1.50 | 1.50 | 6.75 | 0.75 | 1.50 | 3.75 | 3.00 | 0.78 | 3/4-16 UNF-2B, \emptyset 0.78x0.75 Deep C'bore | 0.025-0.035 | 6.5 |
| 15k-20k | 2.00 | 2.00 | 8.88 | 1.00 | 2.00 | 4.88 | 4.00 | 1.03 | 1"-14 UNF-2B, \emptyset 1.03x1.00 Deep C'bore | 0.048-0.063 | 9.0 |
| (250kg) | (25.0) | (31.0) | (130.0) | (16.0) | (25.0) | (76.0) | (57.0) | (13.0) | M12x1.75-6H, \emptyset 13x15 Deep C'bore | (0.33) | (0.8) |
| (500-2t) | (32.0) | (32.0) | (130.0) | (16.0) | (25.0) | (76.0) | (57.0) | (13.0) | M12x1.75-6H, \emptyset 13x15 Deep C'bore | (0.432-0.635) | (1.8) |
| (3-5t) | (38.0) | (38.0) | (171.0) | (19.0) | (38.0) | (95.0) | (76.0) | (20.7) | M20x2.5-6H, \emptyset 20.5x19 Deep C'bore | (0.635-0.889) | (2.9) |
| (10t) | (51.0) | (51.0) | (226.0) | (25.0) | (51.0) | (124.0) | (102.0) | (25.0) | M24x2-6H, \emptyset 25.4x25 Deep C'bore | (1.219-1.600) | (4.1) |

Dimensions are in inches (millimeters). Capacities are in pounds (kgs/metric tons). Specifications are subject to change.

Cabling

| | | |
|-------|---|------------|
| RED | + | EXCITATION |
| BLACK | - | EXCITATION |
| GREEN | + | OUTPUT |
| WHITE | - | OUTPUT |

4 CONDUCTOR CABLE; 22 AWG, SHIELDED AND JACKETED, 20 FOOT STANDARD LENGTH

Features

- Trade accuracy (OIML/NTEP)
- Cellguard™
- Sensorgage™ sealed to IP67 standards
- Electroless nickel plated
- Alloy tool steel construction
- Factory Mutual System approve for Classes I, II and III
- ISO 9001 Certified manufacturing facilities
- Trade Certified for NTEP Clas III:10,000 divisions

Atrax Group NZ Limited

Telephone 64 9 634 5337, Facsimile: 64 9 634 5339,
E-mail: atrax@atraxgroup.com Internet: www.atraxgroup.com

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