



Valuweigh

TUFF DECK WEIGHBRIDGE

HIGH QUALITY LEGAL FOR TRADE WEIGHBRIDGE MANUFACTURED IN THE UK
INCORPORATING USA MADE CARDINAL SCALE ELECTRONICS

- AVAILABLE AS SURFACE OR PIT MOUNTED
- HEAVY DUTY DESIGN - BUILT TO LAST
- STANDARD CAPACITY: 50,000KG
- STANDARD DIMENSIONS: 12M, 15M OR 18M LONG - 3M TO 3.5M WIDE

Valuweigh _____ **CARDINAL SCALE ELECTRONICS**

TUFF DECK WEIGHBRIDGE

- MANUFACTURED IN THE USA WITH 58 YEARS OF EXPERIENCE IN WEIGHBRIDGE DESIGN
- 2 YEAR WARRANTY ON LOADCELLS
- STAINLESS STEEL IP68 FULLY WELDED OIML R60 APPROVED LOADCELLS
- DOUBLE ENDED SHEAR BEAM OR CANISTER COMPRESSION

CARDINAL DB SHEAR BEAM



INSTALLED ON SUSPENSION RINGS
- MORE FORGIVING FOR OFF LEVEL
SURFACES

CARDINAL SCA CANISTER



EASY TO INSTALL - RECOMMENDED
FOR PIT MOUNTED WEIGHBRIDGES



Valuweigh _____ SURFACE MOUNT SPECIFICATIONS

TUFF DECK WEIGHBRIDGE

18M SINGLE PIECE DECK

6 DB CELLS

2 X 610MM I-BEAMS

37 X 203MM HORIZONTAL I-BEAMS WITH 500MM GAP TO CENTRE (350MM BETWEEN BEAMS)

10MM DECK PLATE

15M SINGLE PIECE DECK

4 DB CELLS

2 X 686MM I-BEAMS

31 X 203MM HORIZONTAL I-BEAMS WITH 500MM GAP TO CENTRE (350MM BETWEEN BEAMS)

10MM DECK PLATE

- STANDARD CLEARANCE FROM GROUND: APPROX 100MM
 - MAXIMUM RECOMMENDED CLEARANCE: 200MM
 - HEIGHT TO WEIGHING AREA: APPROX 320MM
 - THICKNESS OF THE WEIGHBRIDGE DECK: 200MM
-

Valuweigh _____ PIT MOUNT SPECIFICATIONS

TUFF DECK WEIGHBRIDGE

18M SPLIT DECK

6 SCA CELLS

2 X 610MM I-BEAMS

4 X 356MM I-BEAMS IN THE SAME DIRECTION FOR EXTRA STRENGTH

8 X 203MM HORIZONTAL I-BEAMS EVERY 3M APPROX

10MM DECK PLATE

15M SINGLE PIECE DECK

4 SCA CELLS

2 X 686MM I-BEAMS

4 X 356MM I-BEAMS IN THE SAME DIRECTION FOR EXTRA STRENGTH

5 X 203MM HORIZONTAL I-BEAMS EVERY APPROX 3M

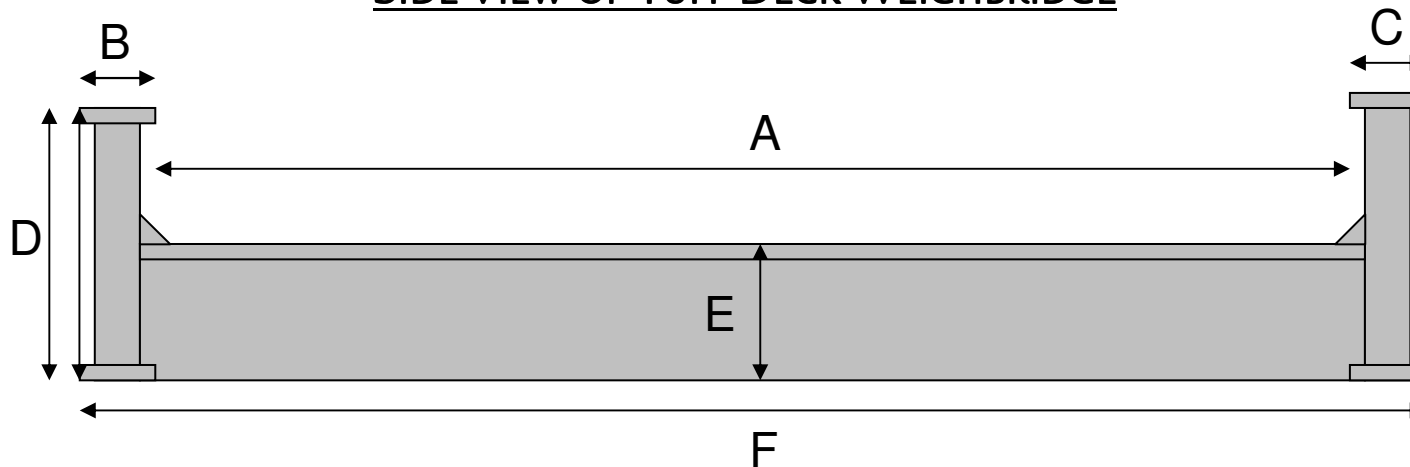
10MM DECK PLATE

**ADDITIONAL STRENGTH AND EXTRA STEEL MEANS THE TUFF DECK ON AVERAGE WEIGHS OVER
200KG MORE PER METRE THAN COMPETITOR'S MODELS.**

Valuweigh _____ DIMENSIONS

TUFF DECK WEIGHBRIDGE

SIDE VIEW OF TUFF DECK WEIGHBRIDGE



| | A (MM) | B (MM) | C (MM) | D (MM) | E (MM) | F (MM) | WEIGHT (KG) |
|------------|--------|--------|--------|--------|--------|--------|-------------|
| 15M X 3M | 3000 | 310 | 310 | 686 | 234 | 3620 | 10500 |
| 15M X 3.3M | 3300 | 310 | 310 | 686 | 234 | 3920 | 10965 |
| 15M X 3.5M | 3500 | 310 | 310 | 686 | 234 | 4120 | 11275 |
| 15M X 4M | 4000 | 310 | 310 | 686 | 234 | 4620 | 12050 |

Valuweigh INSTALLATION – CIVIL WORKS

TUFF DECK WEIGHBRIDGE

- RECOMMENDED GROUND LEVEL REQUIREMENTS: +/- 3MM
- GROUND CONDITIONS: 25,000KG AT EACH LOADCELL POINT
- FULL DRAWINGS, MEASUREMENTS AND ADVICE GIVEN FOR CIVIL WORKS

OVERVIEW OF FOUNDATIONS



CONCRETE RAMP



RAMP & SPREADER PLATE FOUNDATION



RAMP & SPREADER PLATE FOUNDATION



Valuweigh INSTALLATION – SPREADER PLATES

TUFF DECK WEIGHBRIDGE

- TUFF DECK WEIGHBRIDGE SUPPLIED WITH SPREADER PLATES
- IDEAL FOR FIXED OR TEMPORARY INSTALLATION
- SPREADER PLATES BOLT TO GROUND AND THE TUFF DECK SITS ON LOADCELL MOUNTS
- THE TUFF DECK CAN BE EASILY LIFTED OFF THE MOUNTS AND THE SPREADER PLATES REMOVED MAKING THE TUFF DECK PORTABLE
- EASY INSTALLATION AND REDUCED CIVIL WORK REQUIREMENTS



Valuweigh _____ INSTALLATION –WEIGHBRIDGE DECK

TUFF DECK WEIGHBRIDGE

- TUFF DECK ARRIVES ON BACK OF LORRY
- SPREADER PLATES LIFTED INTO POSITION WITH CRANE
- TUFF DECK WEIGHBRIDGE LOWERED ONTO SPREADER PLATES WITH CRANE
- FINAL ADJUSTMENTS MADE TO SPREADER PLATE POSITION BEFORE BOLTING DOWN
- LOADCELLS AND RINGS PUT INTO PLACE





Valuweigh _____
TUFF DECK WEIGHBRIDGE