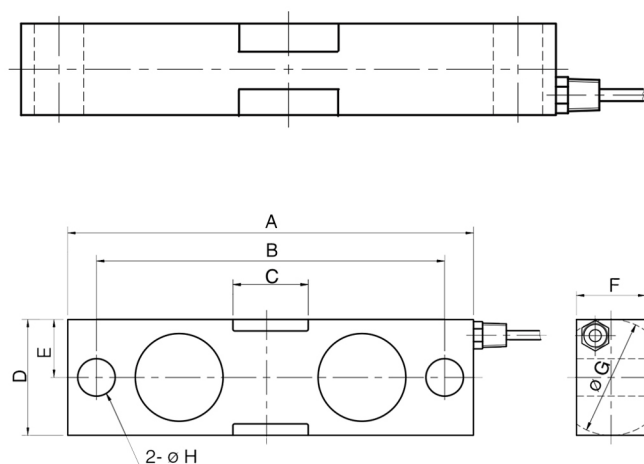
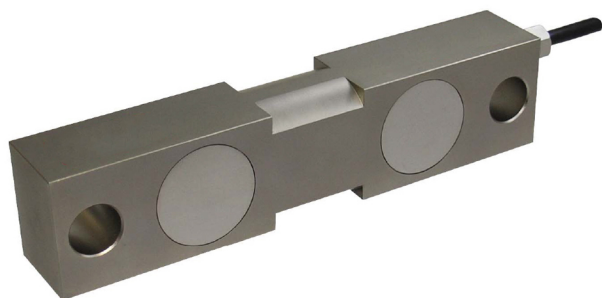




## Series DESBCK55

Double Ended  
Shear Beam Load Cell (5t~ 15t)



The DESBCK55 series double ended shear beam load cell is designed for high accuracy hopper, tank scales and a variety of process weighing applications.

- Alloy tool steel construction for high accuracy
- Electroless nickel plated for corrosion resistance
- Fully sealed to IP67

## SPECIFICATIONS

| TYPE                              | DESBCK55                                    |
|-----------------------------------|---------------------------------------------|
| Rated capacity (R.C.)             | 5, 10, 15, 25t<br>10, 20, 25, 35, 55 klbs   |
| Rated output(R.O.)                | 3mV/V $\pm$ 0.25%                           |
| Non-linearity                     | $\leq$ 0.03% R.O.                           |
| Hysteresis                        | $\leq$ 0.03% R.O.                           |
| Non-repeatability                 | $\leq$ 0.03% R.O.                           |
| Creep error                       | $\leq$ 0.03% in 20min.                      |
| Zero balance                      | $\leq$ 1% R.O.                              |
| Compensated temperature range     | -10 ~ 70°C                                  |
| Operating temperature range       | -20 ~ 80°C                                  |
| Temp. effect on rated output      | $\leq$ 0.02% LOAD/10°C                      |
| Temp. effect on zero balance      | $\leq$ 0.03% R.O./10°C                      |
| Terminal input resistance         | 700 Ohms $\pm$ 10 Ohms                      |
| Terminal output resistance        | 700 Ohms $\pm$ 7 Ohms                       |
| Insulation resistance (Min.)      | 2000 MOhms at 50V DC                        |
| Excitation voltage                | 10V(Recommended), 15V(Max.)                 |
| Electrical connection(22AWG x 4C) | $\varnothing$ 7mmx6m(Standard), 10m(Option) |
| Protection class                  | meets IP 67                                 |
| Safe overload                     | 150% R.C                                    |
| Ultimate overload                 | 300% R.C                                    |

## Dimension-mm

| Rated Capacity                | A      | B      | C      | D      | E      | F      | G      | H      |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5,10t<br>(49.03, 98.07kN)     | 222    | 190.5  | 41.2   | 49.3   | 24.7   | 36.6   | 50.6   | 20.5   |
| 15t<br>(147.1kN)              | 222    | 190.5  | 41.2   | 63.5   | 31.8   | 38     | 63.5   | 20.5   |
| 10k~25klbs<br>(44.48~111.2kN) | (8.75) | (7.50) | (1.62) | (1.94) | (0.97) | (1.44) | (1.99) | (0.81) |
| 35klbs<br>(155.7kN)           | (8.75) | (7.50) | (1.62) | (1.94) | (2.50) | (1.50) | (2.50) | (0.81) |

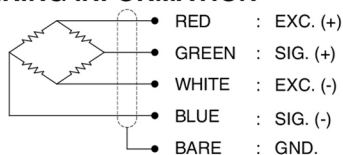
### ORDERING INFORMATION

#### DESBCK55 - 10T

TYPE  
DESBCK55

CAPACITY  
5, 10, 15 t  
10, 20, 25, 35 klbs

### WIRING INFORMATION



\* Specifications are subject to change without notice