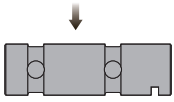


## Double Ended Shear Beam



### Capacities

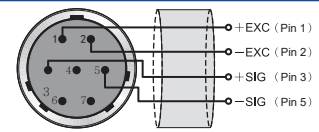
30t, 70t, 100t

### Features

- Double ended shear beam load cell
- Nickel-plated alloy steel construction
- High accuracy
- High stability
- High protection class
- Easy to install
- Use in tough industrial environment
- Suitable for all kinds of safety limiters

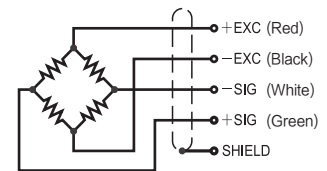
### Schematic

PIN 1 : + input  
 PIN 2 : - input  
 PIN 3 : + output  
 PIN 5 : - output

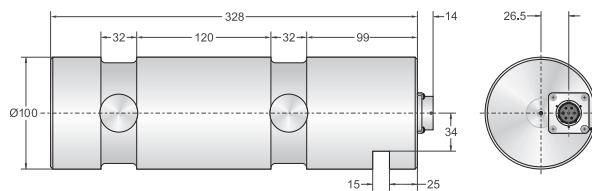


DBST-HK(30t/70t)

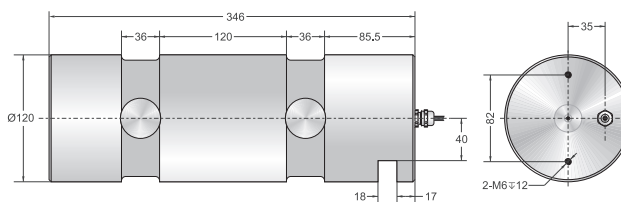
Red: + input  
 Black: - input  
 White: - output  
 Green: + output



DBST-HK(100t)



DBST-HK (30t/70t)



DBST-HK (100t)

### Specifications

Rated Output	1.0mV/V±0.1%	Safe Temp. Range	-10°C to + 70°C
Zero Balance	±1% of rated output	Temp. Compensated	-10°C to + 40°C
Creep after 30 minutes	±0.5% of rated output	Safe Overload	150%
Nonlinearity	±0.5% of rated output	Ultimate Overload	200%
Hysteresis	±0.5% of rated output	Input Impedance	770 ohm ± 30 ohm
Repeatability	±0.5% of rated output	Output Impedance	700 ohm ± 5 ohm
Temp. effect on output	≤0.03% of applied output /°C	Insulation Resistance	≥5000 M ohm (50V DC)
Temp. effect on zero	≤0.03% of rated output /°C	Rated Excitation	10V DC/AC
Wire Length	30t/70t : 7 pins connector 100t : Red(+E) Black(-E) Green(+S) White(-S)	Maximum Excitation	15V DC/AC