

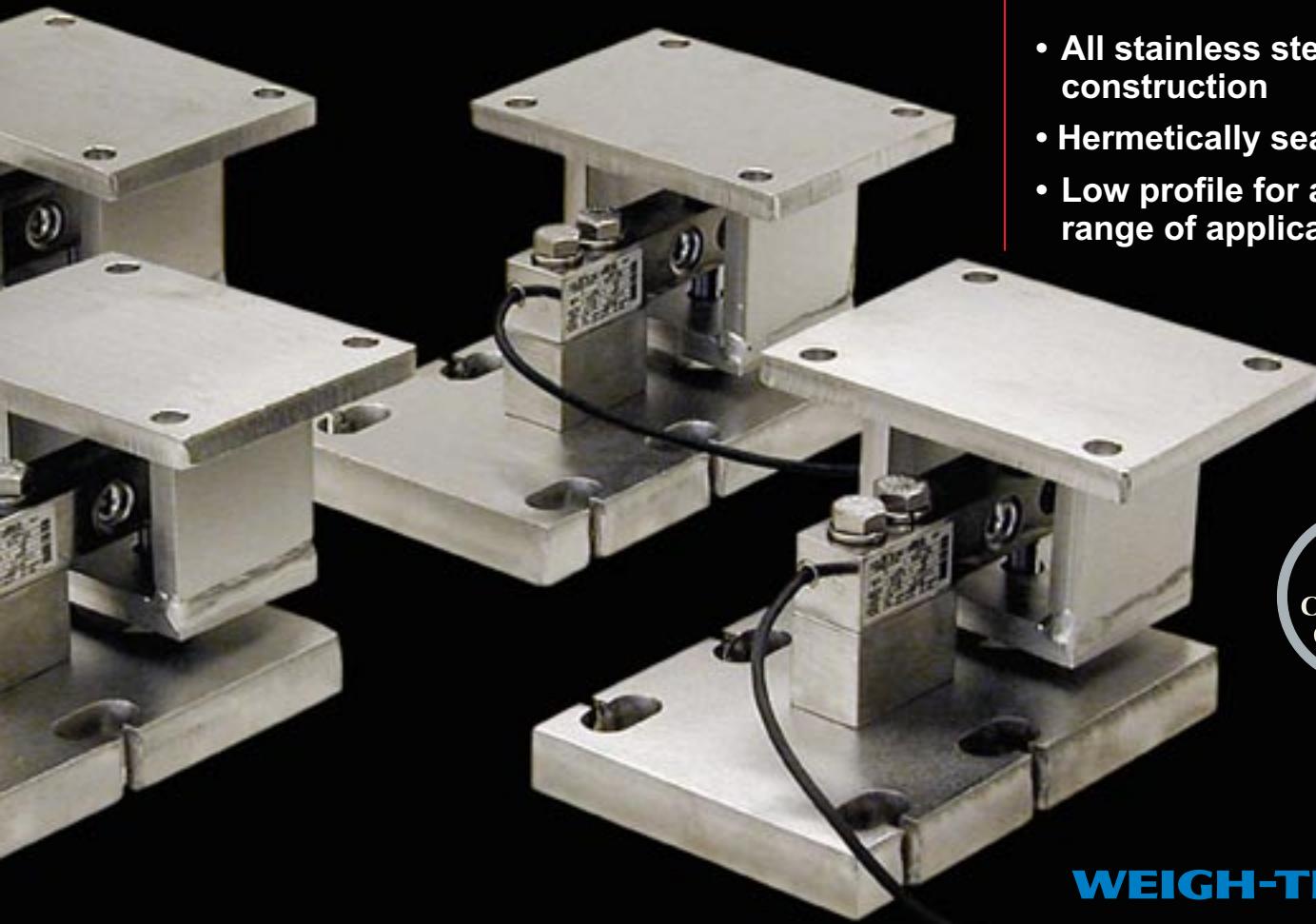


## Model SBS

***For Accurate Batch Weighing  
under Extreme Conditions***

Choose SBS weight sensors to satisfy the highest standards of corrosion resistance and sanitation for food, chemical and industrial processing.

- All stainless steel construction
- Hermetically sealed
- Low profile for a greater range of applications



Food  
&  
Chemical  
Quality



SBS shear beam weight sensors are built for long service life in harsh environments. The stainless steel, hermetically sealed assemblies offer superior corrosion resistance and structural integrity. They provide high-accuracy weighing for applications including: food ingredient mixing; chemical blending; micro-batching; meat and poultry processing.

SBS assemblies are used to support uniformly distributed loads such as tanks, silos and hoppers. Loads are suspended on high-strength bolts instead of chain links or swage cables. This design reduces overall height, allowing SBS assemblies to be used where others cannot. All parts of the assembly are also fully accessible for thorough cleaning.

SBS features a self-aligning platform, simple bolt-on installation and built-in height adjustment which eliminates the need for most shimming. Assemblies are available individually or in sets of three or four.

## Specifications

**Construction:** 304 stainless steel

**Capacities:** 1,000 lb, 2,500 lb, 4,000 lb, 5,000 lb, 10,000 lb

**Recommended excitation voltage:** 10V AC or DC

**Maximum excitation voltage:** 10 VDC or 15 VAC rms

**Input resistance:**  $387 \pm 20$  Ohms

**Output resistance:**  $350 \pm 3$  Ohms

**Output at rated capacity:**  $3.0\text{mV/V} \pm 3\%$

**Combined error:**  $\pm 0.03\%$  of applied load

**Temperature range (operating):**  $14^\circ\text{F}$  to  $104^\circ\text{F}$  ( $-10^\circ\text{C}$  to  $+40^\circ\text{C}$ )

**Temperature range (compensated):**  $14^\circ\text{F}$  to  $104^\circ\text{F}$  ( $-10^\circ\text{C}$  to  $+40^\circ\text{C}$ )

**Safe overloading rating:** 150% of rated capacity

**Maximum overload rating:** 300% of rated capacity

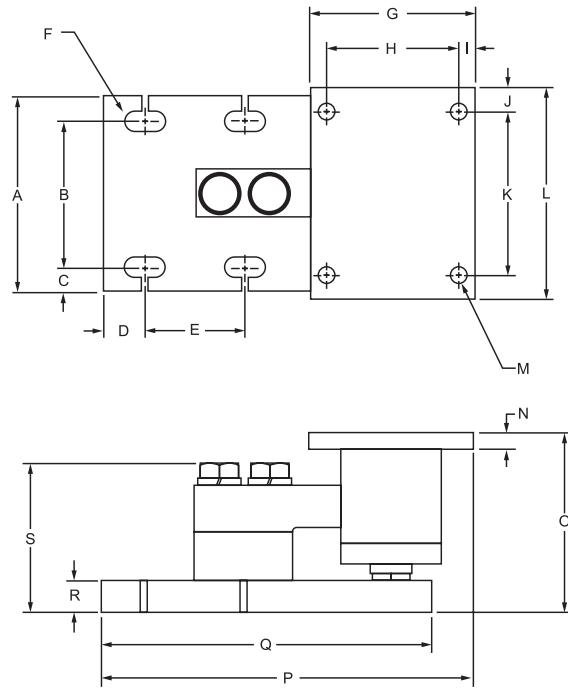
**Deflection at rated capacity:** approx. 0.015 inches

**Insulation impedance:** 5000 Mega Ohms minimum

**Cable:** 20 ft, polyurethane cable jacket

**Ingress protection:** IP 67

**Approvals:** NTEP #91-030 Class III 5,000 divisions



### Dimensions (inches)

	1-5k	10k
<b>A</b>	6	6
<b>B</b>	4.5	4.5
<b>C</b>	0.75	0.75
<b>D</b>	1.25	1.25
<b>E</b>	3.0	3.0
<b>F</b>	1.25 x .62 slot	1.25 x .62 slot
<b>G</b>	5.0	5.0
<b>H</b>	4.0	4.0
<b>I</b>	0.5	0.5
<b>J</b>	0.75	0.75
<b>K</b>	5.0	5.0
<b>L</b>	6.5	6.5
<b>M</b>	0.53	0.53
<b>N</b>	0.5	0.5
<b>O</b>	5.25	5.5
<b>P</b>	10.25	11.25
<b>Q</b>	8.75	10.0
<b>R</b>	1.0	1.0
<b>S</b>	4.15	4.56

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