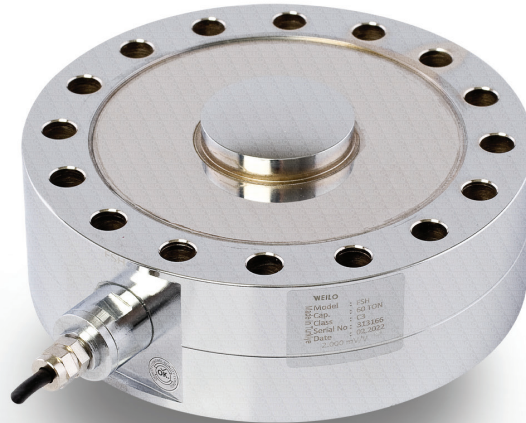


FSH Pancake Load Cell



A load cell that operates in the compression direction with high precision, made of alloyed steel in various capacities.



ABOUT PRODUCT

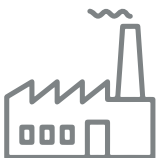
The FSH load cell is a high-precision, compression-only load cell made of alloyed steel with various capacities ranging from 40 tones to 60 tones.

After being heat-treated and annealed, the alloy steel is cleaned by sandblasting, homogenized, and then coated with Nickel to make it more resistant to corrosion, providing trouble-free use even in the most challenging conditions.

The FSH mine type load cell employs 8 to 16 strain gauges, compared to the 4 typically used in regular load cells. This allows for a more accurate output, resulting in more precise and accurate operation in testing and force machines. As with all load cell models produced by WEILO, the FSH load cell is tested in accordance with OIML R60 procedures to ensure compliance. FSH load cells are used in a variety of industrial applications, including tension and breaking tests, tank and silo weighing, and other areas requiring high precision and accuracy.

WEILO offers a mounting kit and connection accessories specifically designed for the FSH and other load cells, providing a safe and easy-to-use solution for accurate and precise measurement. The minimalist design of the mine type load cell allows it to be used in confined spaces with ease. The FSH load cell utilizes high-quality welding technologies to protect the electronic circuitry, ensuring flawless operation even in harsh conditions and is rated at IP 67. Standard FSH load cells come with 4x022mm flame-retardant and noise-resistant cables, but can be produced with armored or Ex-proof silicone cables as an option. Armored cables are more resistant to external influences and provide protection against rodents, while silicone cables can withstand temperatures up to 178°C and short-term temperatures above 200°C, as well as being suitable for use at temperatures as low as -55°C. In addition, WEILO offers the option of producing FSH load cells entirely from stainless steel.

APPLICATION AREAS

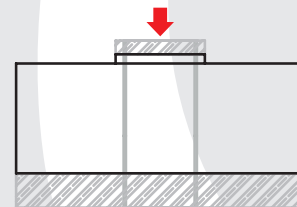


Machinery and Industry

CONNECTION DIAGRAM



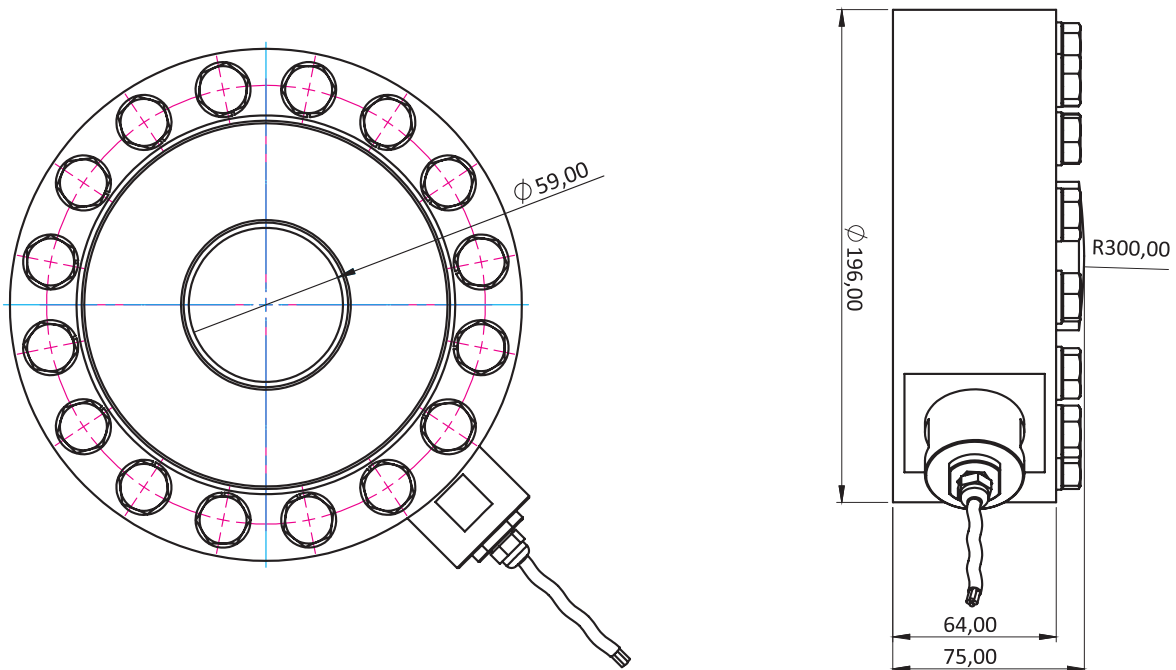
WORK STYLE



FEATURES

- ✓ IP 67 / IP 68 protection class
- ✓ Plated nickel, alloyed steel
- ✓ Ease of installation

TECHNICAL DRAWING



TECHNICAL SPECIFICATION

Capacity	40, 60, 100 Tones
Accury Class	C2
Minimum Load	0 kg
Maximum Intervals (nLC)	2000
Minimum Verification Interval	10000
Total Error	±0.03 %FS
Output Sensitivity (FS)	2.00 mV ± 0.005mV/V
Zero Balance	± 1 %FS
Input Resistance	750 Ω ± 30 Ω
Output Resistance	703 Ω ± 5 Ω
Isolation Resistance	≤ 5000 MΩ (100VDC)
Compansated Temperature	-10 ~ + 40 °C
Operating Temperature	-30 ~ + 70 °C
Excitation, Recommended Voltage	10 VDC
Maximum Excitation Voltage (Umax)	15 VDC
Safe Overload	150 % FS
Ultimate Overload	300 % FS
Ingress Protection (EN60529)	IP 67 / IP 68
Element Material	Alloyed Steel / Stainless Steel
Cable	4x022mm ²