



CAPACITY	A	B	C	D	H	H1	M
2, 3, 5 Ton	106	90.5	32	6.5	37	34	M 18x1.5
10, 20 Ton	126	104	39	8.5	52	48	M 32x1.5
30 Ton	145	117	50	11	58	54	M 39x2
60 Ton	196	161	76	13	65	60	M 56x2
100 Ton	196	161	76	13	85	78	M 56x3

DESCRIPTION

FS is a high precision spoke type load cell manufactured in various capacities from 2 tons to 100 tons. FS provides reliable precision in demanding industrial applications with nickel-plated alloy steel housing and hermetic sealing. FS can be used in a wide range of industrial weighing applications with mounting kits developed for FS. FS has more strain gauges than normal load cells with its arm type structure, therefore it is more sensitive and more resistant to lateral loads.

APPLICATIONS

Force testing machines, Tensile breakout testing machines, Tank and Silo weighing, Heavy Duty Scales

TECHNICAL SPECIFICATIONS

Capacity	: 2, 3, 5, 10, 20, 30, 60, 100 Ton	Isolation Resistance	: ≤ 5000 MΩ (100VDC)
Accuracy Class	: C1	Compensated Temperature	: -10 ~ +40 °C
Minimum Load	: 0 kg	Operating Temperature	: -30 ~ +70 °C
Maximum Intervals (nLC)	: 1000	Excitation, Recommended Voltage	: 10 VDC
Minimum Verification Interval	: 5000	Maximum Excitation Voltage (Umax)	: 15 VDC
Total Error	: ±0.05 %FS	Safe Overload	: 150 % FS
Output Sensitivity (FS)	: 2.00 ± 0.005mV/V	Ultimate Overload	: 300 % FS
Zero Balance	: ± 1 %FS	Ingress Protection (EN60529)	: IP 68 / IP 67
Input Resistance	: 750 Ω ± 30 Ω	Element Material	: Alloy Steel
Output Resistance	: 702 Ω ± 5 Ω	Cable	: 4x0.22mm ²