

Shear beam Load cells

series LA



Declaration of wire colours

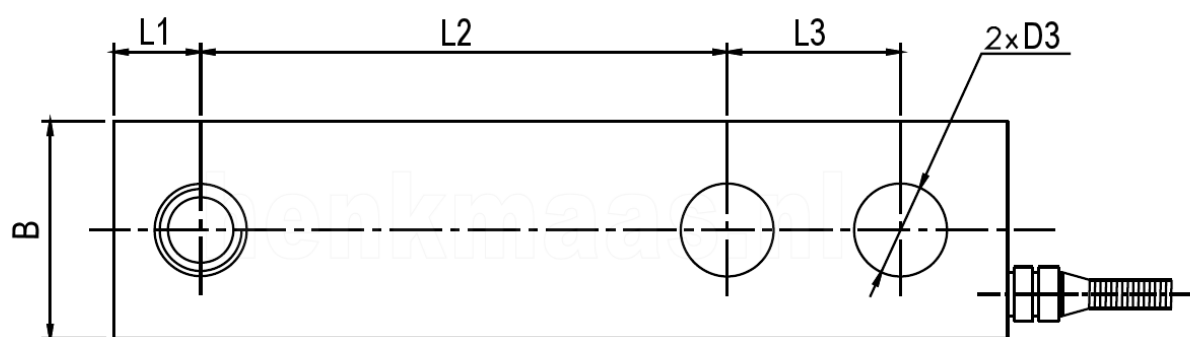
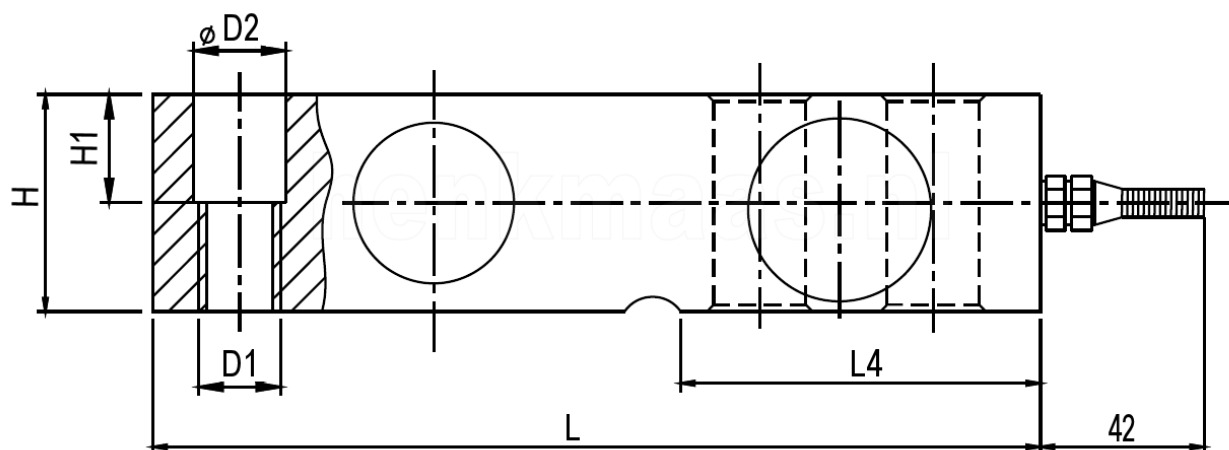
Thick Yellow	Shield
white	Signal +
Green	Sense +
Blue	Excitation +
Red	Signal -
Grey	Sense -
Black	Excitation -

Features

- C3 and C4 precision class
- material: steel alloy
- capacities 150 kg, 300 kg, 500 kg, 1000 kg, 2000 kg, 3000 kg, 5000 kg
- shielded connection cable
- **IP67 protection** (150 kg – 500 kg)
IP68 protection (1000 kg – 5000 kg)
- test certificate: GB-1587
- application suggestions: floor scales, platform scales, tank weighing

Minimum load cell verification interval (Vmin)	10000
Sensitivity	150 kg - 300 kg: 2.0 ± 0.002 mV/V 500 kg - 1000 kg - 2000 kg - 3000 kg - 5000 kg: 3.0 ± 0.003 mV/V
C-precision class	C2 ~ C3
Non-linearity	± 0.03 % F.S
Zero balance	± 1
Temperature effect on sensitivity	± 0.02% F.S/10 °C
Temperature effect on zero balance	± 0.02% F.S/10 °C
Creep in 30 min	± 0.02 % F.S
Hysteresis error	± 0.03 % F.S
Input resistance	400 ± 20 Ohm
Output resistance	352 ± 3 Ohm
Insulation resistance	≥ 5000 MOhm
Nominal temperature range	-10°C/+40°C
Service temperature range	-30°C/+70°C
Safe load limit	150%F.S
Breaking load	200%F.S
Nominal of range excitation	10~12V DC





Dimensions (mm)

Rated Load	L	L1	L2	L3	L4	H/B	H1	D1	D2	D3
0.15 t - 0.3 t - 0.5 t	130	12.7	76.2	25.4	53.5	31.8	15.7	M12	Ø13.5	Ø13
1 t - 2 t	130	12.7	76.2	25.4	53.5	31.8	15.7	M12	Ø13.5	Ø13
3 t - 5 t	171.5	19	95.3	38.1	72.5	38.1	26	Ø20	M18x1.5	Ø20

