

VECTOR ®

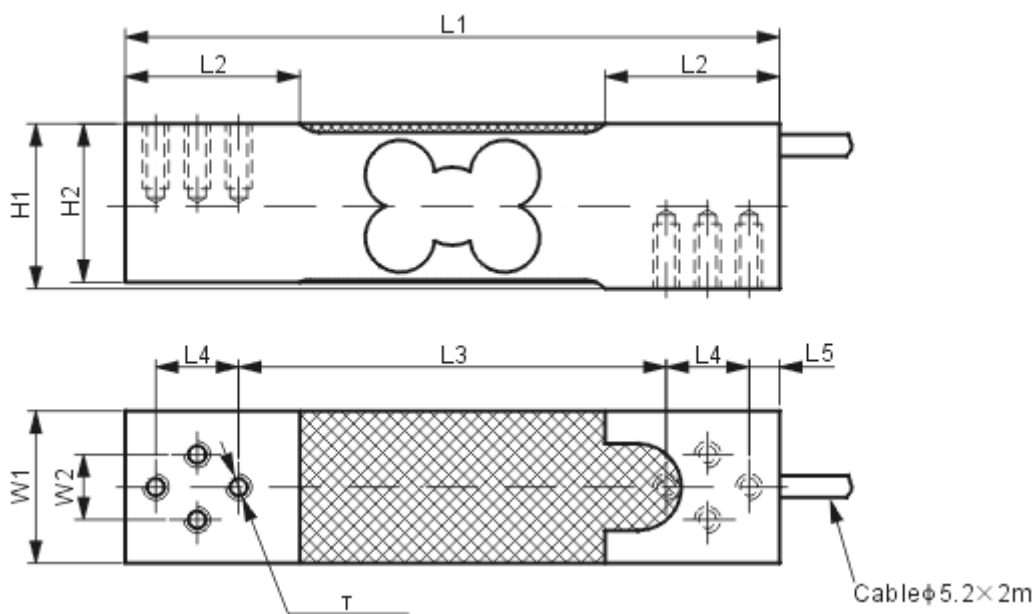


SPF LOAD CELL



- Aluminium
- High accuracy regulations up to 5 000d for scales class III
- Protection to IP66

Dimensions (in mm; 1mm = 0.03937 inches)



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DIMENSIONS

RATED CAPACITY	H1	H2	L1	L2	L3	L4	L5	W1	W2	T
lb / inches										
66.14...661.39	1.50	1.44	5.91	1.57	3.86	0.75	0.28	1.38	0.59	8-M6 Depth0.59
kg / mm										
30...300	38.0	36.5	150.0	40.0	98.0	19.0	7.0	35.0	15.0	8-M6 Depth15

Technical Data

Type	SPF
Accuracy class according to OIML R60	C3
Maximum numbers of load cell verification intervals (n _{LC})	5 000
Maximum capacity (E _{max})	kg 15;30;50;100;200
Minimum load cell verification interval(V _{min})	% of Cn 0.02
Reference Max.platform size	mm 450×450
Weight (G), approx.	kg 0.5
Sensitivity (Cn)	mV/V 2±10%
Zero balance	mV/V ±0.06
Temperature effect on sensitivity (TKc) *	% of Cn/k < ±0.0012
Temperature effect on zero balance (TKo)	% of Cn/k < ±0.0040
Non-linearity (d _{lin}) *	% < ±0.017
Repeatability (d _{rep}) *	% < ±0.017
Hysteresis error (d _{hy}) *	% < ±0.017
Creep (d _{DR})in 30 min.	% < ±0.023
Input resistance (RLC) [Red(+)-black(-)]	Ω 415 ± 15
Output resistance (RO) [Green(+)-white(-)]	Ω 350 ± 3
Reference excitation voltage (U _{ref})	V(DC/AC) 0.5...10
Maximum excitation voltage	V(DC/AC) 15
Insulation resistance (R _{is})	GΩ >1 [50 VDC]
Nominal temperature range	°C [°F] -10...+40 [15...+105]
Service temperature range	°C [°F] -10...+50 [15...+122]
Storage temperature range	°C [°F] -25...+70 [-13...+158]
Safe load limit (EL)	% of Cn 150
Breaking load (Ed)	% of Cn 300
Protection class (IP) acc. to IEC529	IP66
Material	Aluminum

* The data for deviation of linearity, repeatability, hysteresis error and temperature effect on sensitivity are typical values.
The sum of these data meets the requirements according to OIML R60.