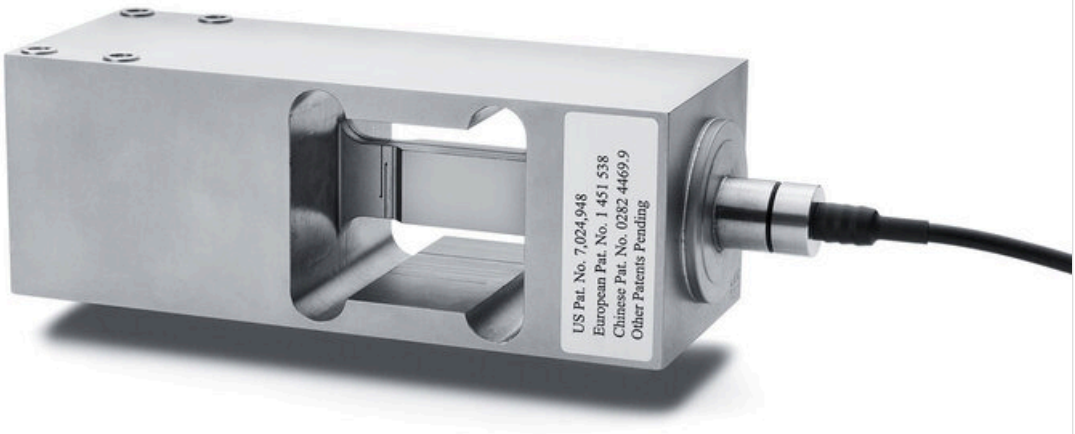


Single Point Load Cell SPSXL (SPSXL-Ex)

The robust digital single point load cell type SPSXL in stainless steel is hermetically sealed to IP68. The main applications are graders, checkweighers, filling and dosing equipment, belt scales, platform scales, bench scales etc. ATEX (Ex) and IECEx approved versions are available.

e: SPSXL (Non-ATEX) SPSXL-Ex (ATEX)

Capacity (Emax):	20, 30, 50, 100, 150, 200, 250, 300 kg
Accuracy:	Industrial 0.025%, Precision 0.015%
Overload Tolerance:	Up to 1000% of rated capacity

Special Features

Made in Denmark

Stainless steel 1.4542 (17-4 PH)

Robust capacitive technology

ATEX and IECEx certified (Zone 1, 2, 21, 22)

High tolerance of up to 1000% overload

High accuracy, High resolution

Platform size up to 1200 x 600mm

Can be supplied with Mud resistant and Halogen free cables for offshore installation

Hermetically sealed to IP68

Laser welded with Stainless Steel 1.4542

Capacity (Emax): 20, 30, 50, 100, 150, 200, 250 kg

Accuracy: Industrial 0.025%, Precision 0.015%

Small deflection at rated capacity

High resonance frequency (spring rate) for rapid dynamic weighing

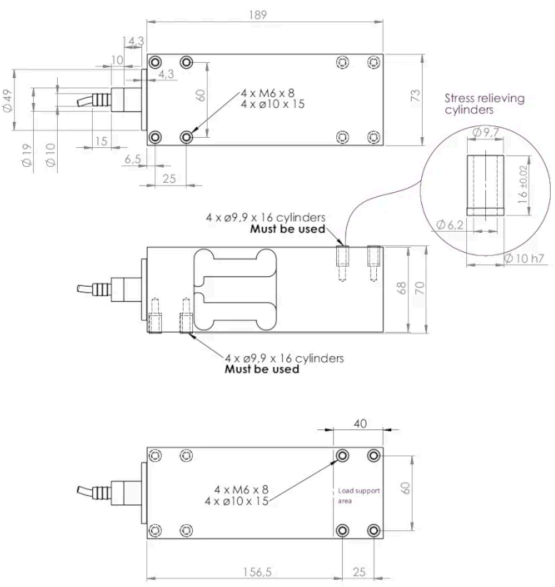
Easy mechanical and electrical installation

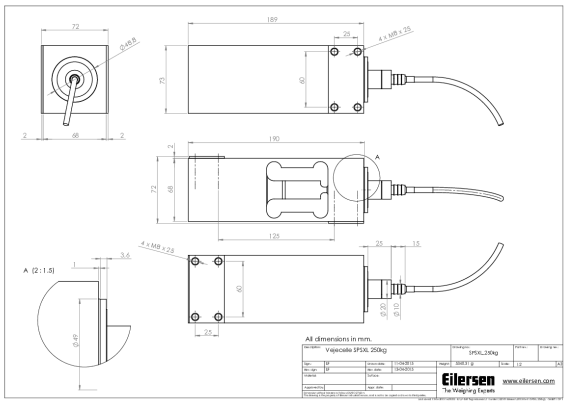
Digital filters

Replaceable load cell cable

Can be used in both ATEX / IECEx and non-ATEX installations

Dimensions (mm)





Specifications

Parameter	Unit	0.025%	0.015%
Rated capacity (E_{max})	kg	20, 50, 100, 150*, 200*, 250*, 300*	
Safe overload limit	% of E_{max}	up to 500	
Safe siderload limit	% of E_{max}	500 to 1000	
Combined Accuracy	% of E_{max}	0.025	0.015
Repeatability	% of E_{max}	0.012	0.010
Linearity	% of E_{max}	0.015	0.010
Creep 30 min.	% of E_{max}	0.015	0.010
Temperature effect on zero	% of E_{max}	0.035	0.030
Temperature effect on sensitivity	% /10°C	0.035	0.030
Compensated temperature range	°C	-10 to 50	
Operating temperature range	°C	-40 to +70 (100**)	
Deflection at E_{max}	mm	max 0.10	
Measuring rate	Hz	500	
Supply	Vdc	24Vdc ±5%	
Internal resolution	Bit	24	
Material		Stainless steel 17-4PH and AISI316	
Protection		IP68	
Cable		6 meter standard coaxial RG-58 (Ø6mm) with BNC connector	
Maximum cable length	m	100	
Weight	kg	5.5	
Output options		PROFINET, Profibus DP, EtherNet/IP, Modbus TCP/IP, EtherCat, Rs485, 4-20mA, 0-10Vdc	

* with M8 thread

** only for non-ATEX and with Teflon load cell cable

Applications

Dynamic weighing

Multihead weighers

Factory Automation

Packaging machines

Filling and dosing

Flow measurement

Bench and platform scales

Conveyor scales

Process weighing

Checkweighers

Options

ATEX and IECEx certified (Zone 1, 2, 21, 22)

Customized versions available

Load cell cable length 10, 20, 50 or 100 meters

Mud resistant and Halogen free cables for offshore installation

Special PE load cell cable available for freezing low temperature (can be used down to -50 degrees Celsius)

Special Teflon load cell cable available for very high temperature (can be used up to 100 degrees Celsius)

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