



Heavy Duty Load Cell SDLX

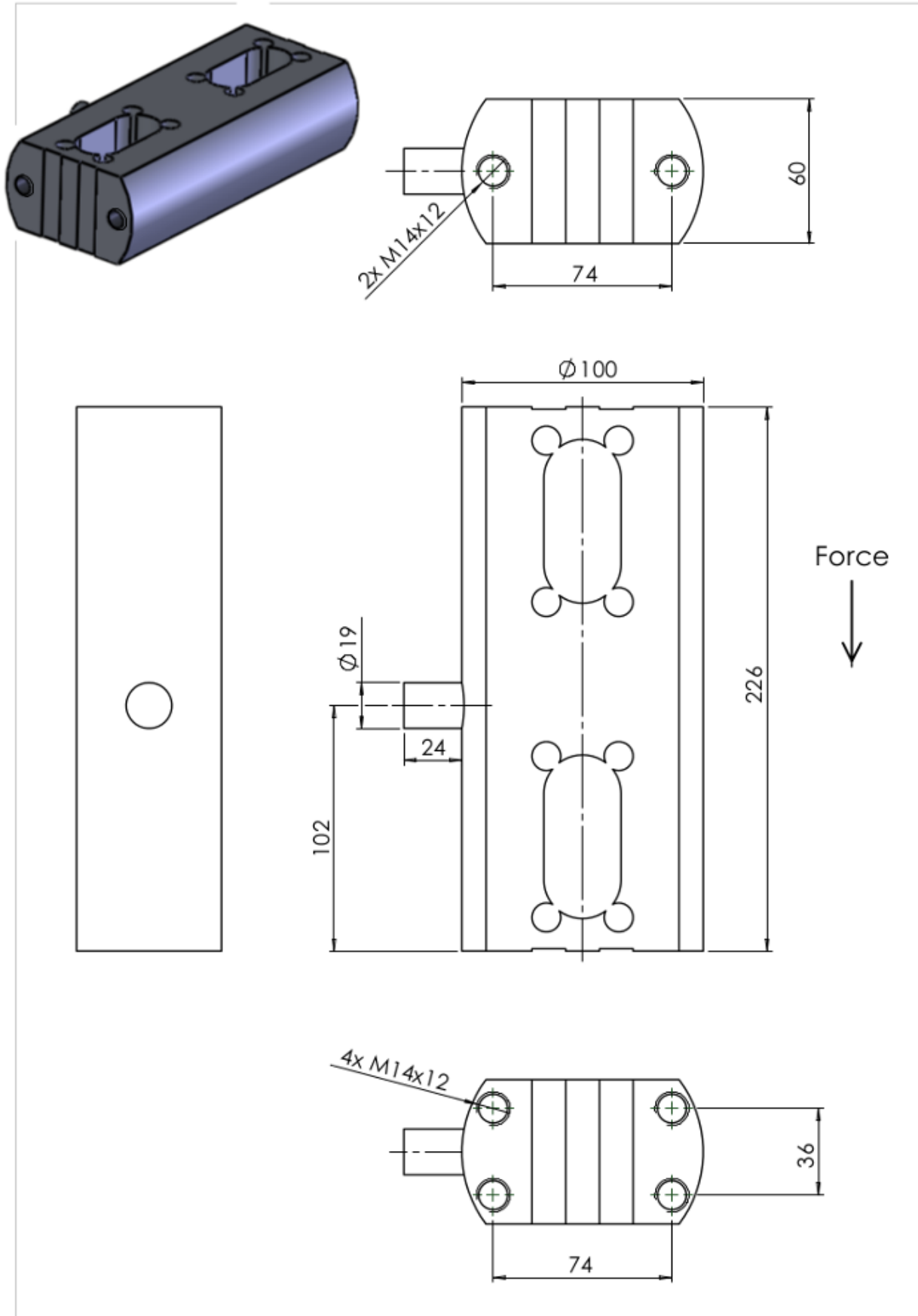
The robust digital load cell type SDLX is produced in stainless steel and designed for the extremely tough environment in lift systems for waste management with shock loads and vibrations. The load cell can also be used in general industrial weighing applications. OIML certified to class C3 according to OIML R60

Type:	SDLX
Capacity (Emax):	300kg
Accuracy:	0.025% C3
Overload Tolerance:	Up to 500% of rated capacity

- Made in Denmark
 - Robust capacitive technology
 - Patented high reliability capacitive sensor
 - OIML R60 accuracy classes up to C3
 - High tolerance of up to 500% overload
 - Stainless steel 1.4542 (17-4 PH)
 - Laser welded with Duplex 1.4462 stainless steel
 - Hermetically sealed to IP68
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- High accuracy, High resolution
 - Digital filters
 - Capacity (Emax): 300kg
 - Accuracy: OIML class C3
 - Cable length up to 100meters
 - Calibration independent of cable length
 - Load cell cable replaceable
 - Easy mechanical and electrical installation
 - Withstands welding voltages and ESD
 - Optional special load cell cable

- [R60-2000.1 SDLX OIML test certificate PDF](#)

- [SDLX Heavy Duty Load Cell Dimensions PDF](#)
- [Load Cell type SDLX STEP 3D CAD File \(right click -> "Save Link As..."\)](#)
- [SDLX Mounting PDF](#)
- [Guideline Correct Mounting of BNC Connector \(UK\) PDF](#)
- [VIDEO - Correct Mounting of BNC Connector](#)



Parameter	Unit	C3 0.025%
Rated capacity (E_{max})	kg	300
Safe overload limit	% of E_{max}	250
Safe sideload limit	% of E_{max}	250
Combined accuracy	% of E_{max}	0.025
Repeatability	% of E_{max}	0.010
Hysteresis	% of E_{max}	0.017
Creep 30 min.	% of E_{max}	0.017
Temperature effect on zero	% /10°C	0.035
Temperature effect on sensitivity	% /10°C	0.035
Compensated temperature range	°C	-10 to 50
Operating temperature range	°C	-50 to 70 (100*)
Deflection at E_{max}	mm	max 0.10
Measuring rate	Hz	200
Supply	Vdc	24Vdc \pm 5%
Internal resolution	Bit	24
Material		Stainless Steel 17-4PH and AISI316
Protection		IP68
Cable		6meter standard coaxial RG-58 (\varnothing 6mm) with BNC connector
Maximum cable length	m	100
Weight	kg	14

Output options

EtherNet/IP, PROFINET, Profibus DP, Modbus TCP/IP, DeviceNet, RS485, 4-20mA, 0-10Vdc

* with Teflon cable

- On-board truck weighing
- Process weighing
- Offshore/Marine applications
- Force measurement
- Mobile weighing
- Heavy duty applications

- Customized load cell capacity
- Load cell cable length 10, 20, 50 or 100meters
- Load cell cable type
- 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)