Load Cells for General Application

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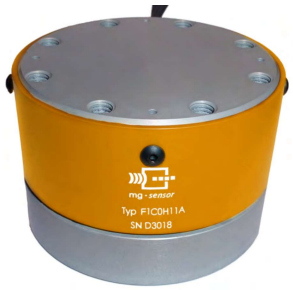
*additional versions available on request!

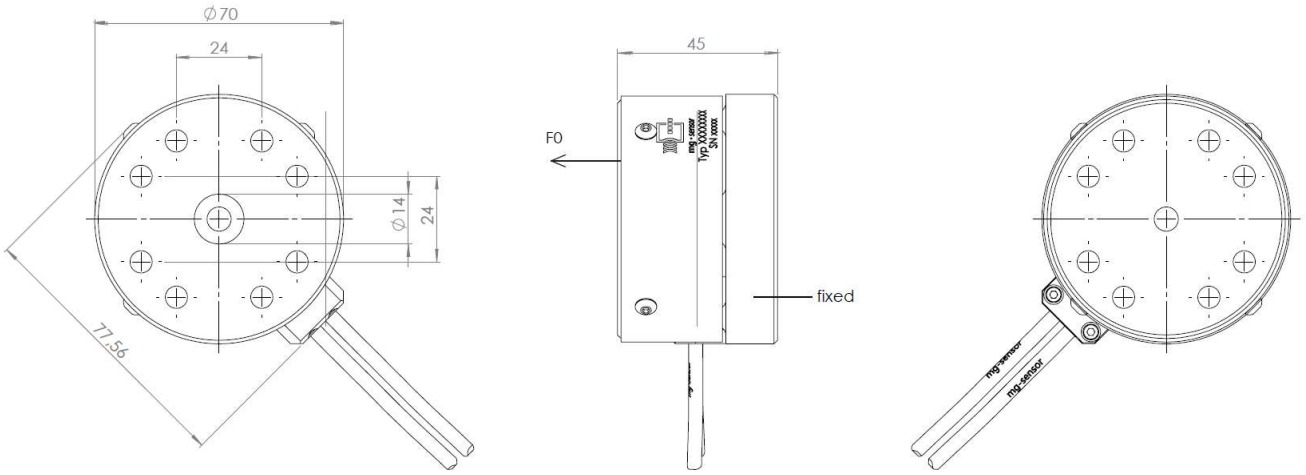
F1C0H11A



Description	Load Cell, 1-axial	
Measuring range *Fo*	kN	4,0
Sensitivity[1)] *Fo*	µV/V/kN	175
Output signal[1), 2)] *Fo*	mV/V	0,7
Bridge resistance *Fo*	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	-
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

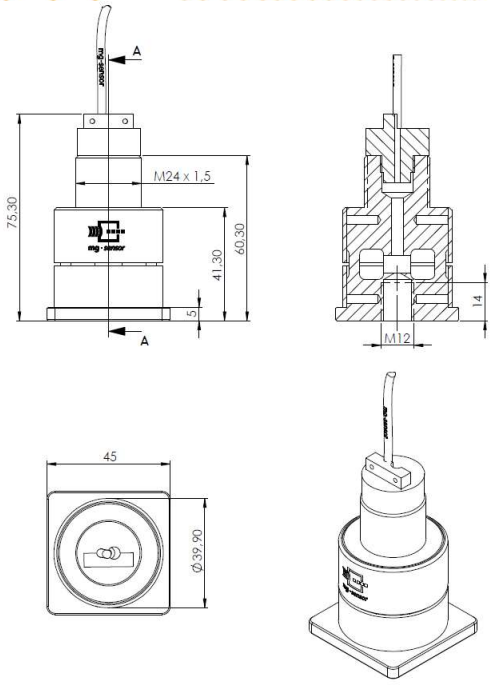


F1C2B10A

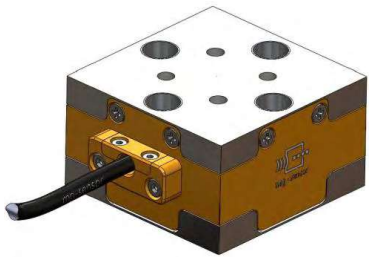
Description	Load Cell, 1-axial	
Measuring range *F*o	kN	10
Sensitivity[1)] *F*o	µV/V/kN	90
Output signal[1), 2)] *F*o	mV/V	0,9
Bridge resistance *F*o	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	420
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



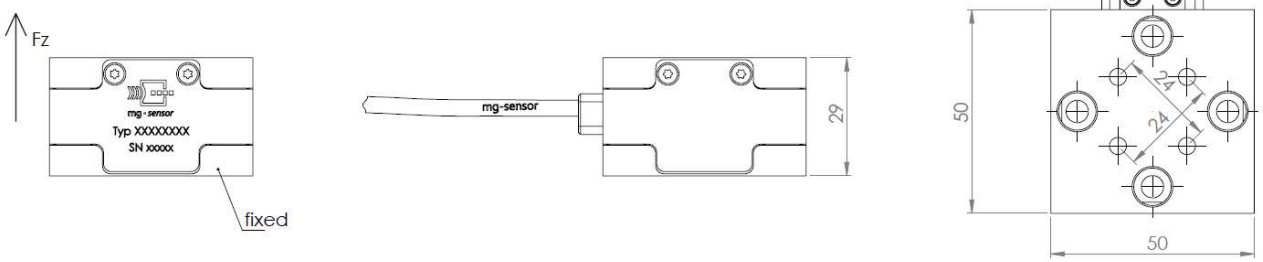
F1E0A11A



Description	Load Cell, 1-axial	
Measuring range *Fz*	kN	20
Sensitivity[1] *Fz*	µV/V/kN	200
Output signal[1), 2)] *Fz*	mV/V	2,0
Bridge resistance *Fz*	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	260
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

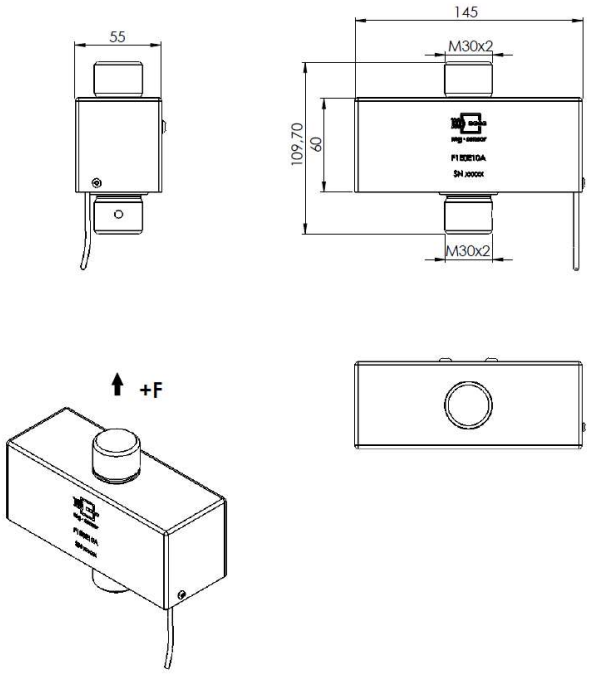


F1E0E10A

Description	Load Cell, 1-axial	
Measuring range *Fo*	kN	20
Sensitivity[1)] *Fo*	µV/V/kN	100
Output signal[1), 2)] *Fo*	mV/V	2,0
Bridge resistance *Fo*	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	1700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

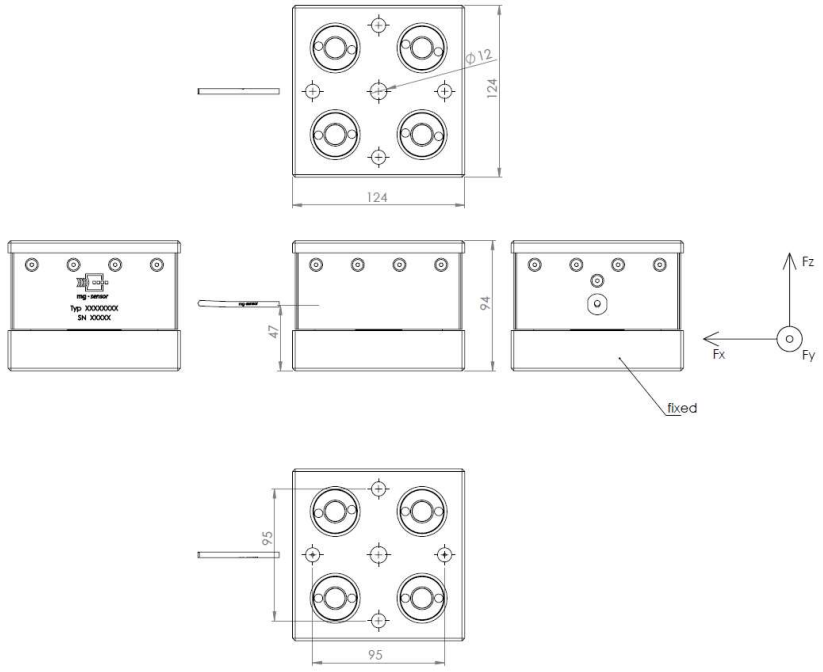


F1E0F11A

Description	Load Cell, 1-axial	
Measuring range *Fo*	kN	200
Sensitivity[1)] *Fo*	µV/V/kN	2,5
Output signal[1), 2)] *Fo*	mV/V	1,0
Bridge resistance *Fo*	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	7700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

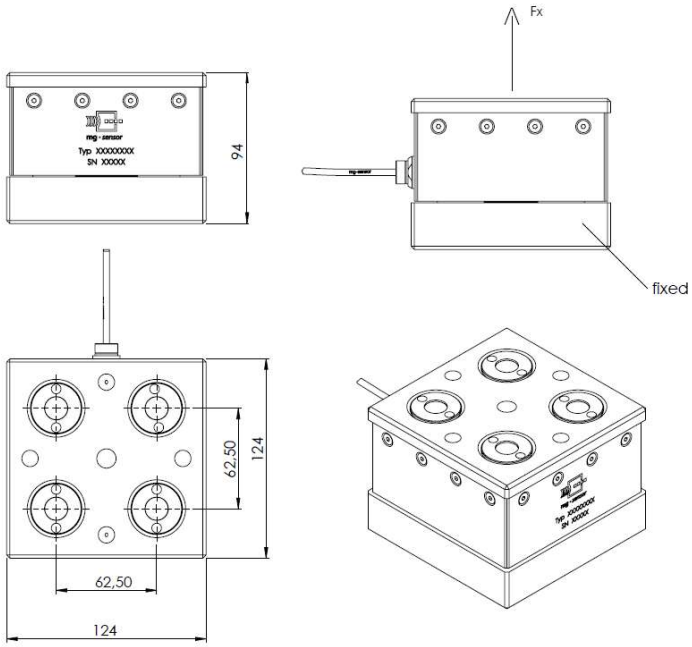


F1E0H11A

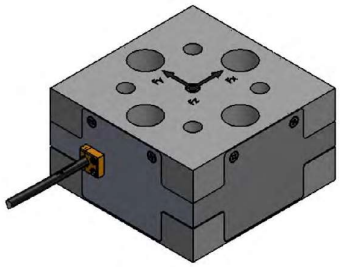
Description	Load Cell, 1-axial	
Measuring range *Fx*	kN	500
Sensitivity[1] *Fx*	µV/V/kN	5,0
Output signal[1), 2)] *Fx*	mV/V	2,5
Bridge resistance *Fx*	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	7700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



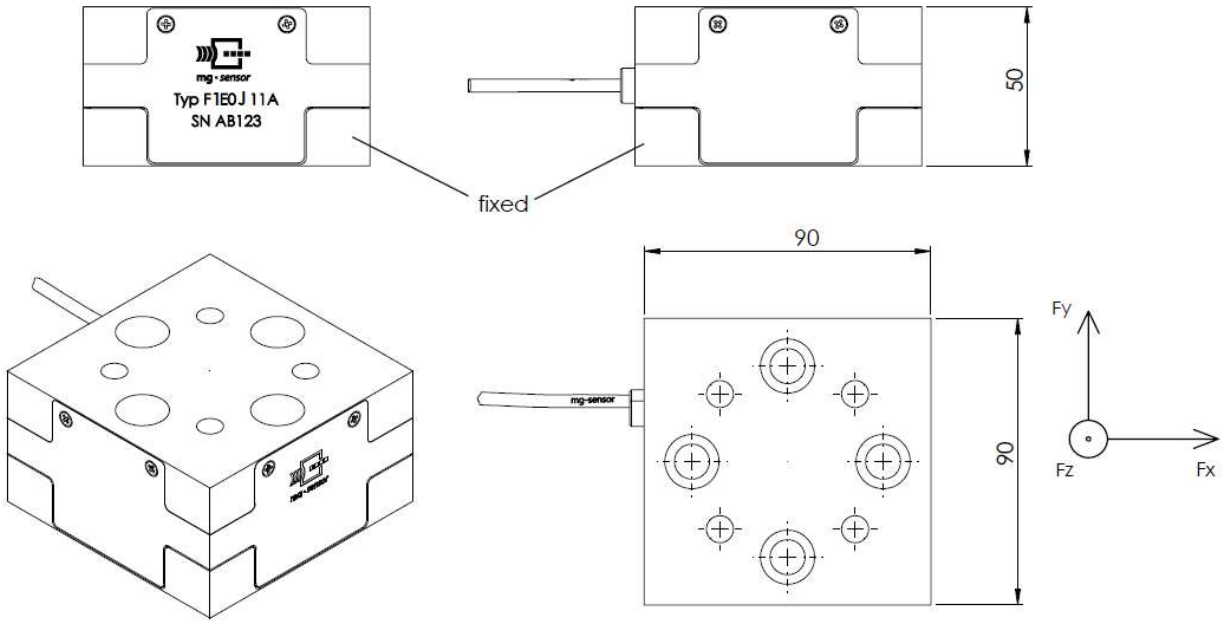
F1E0J11A



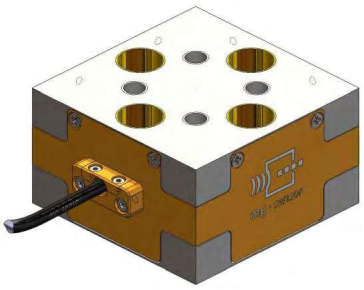
Description	Load Cell, 1-axial	
Measuring range *Fz*	kN	50
Sensitivity[1] *Fz*	µV/V/kN	19
Output signal[1), 2)] *Fz*	mV/V	0,8
Bridge resistance *Fz*	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	-
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



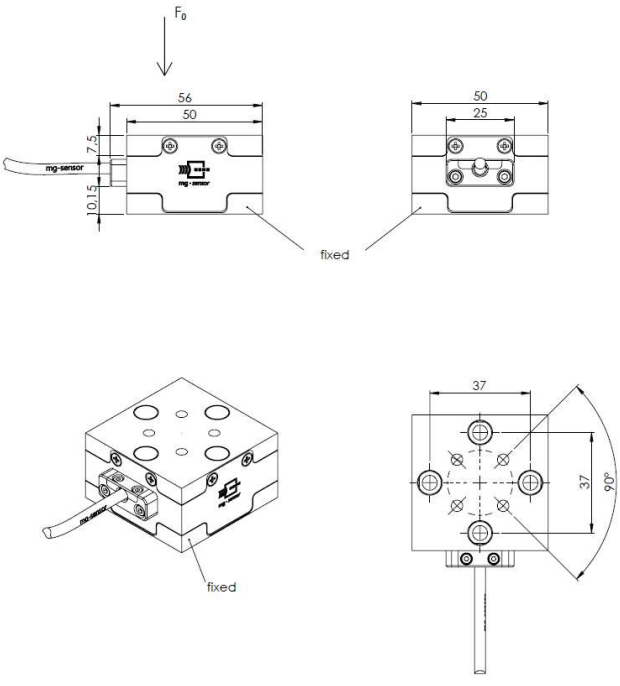
F1E0P11A



Description	Load Cell, 1-axial	
Measuring range *F₀*	kN	1,0
Sensitivity[1)] *F₀*	µV/V/kN	800
Output signal[1), 2)] *F₀*	mV/V	0,8
Bridge resistance *F₀*	Ω	350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-40..+85
Weight (approximate)	g	200
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

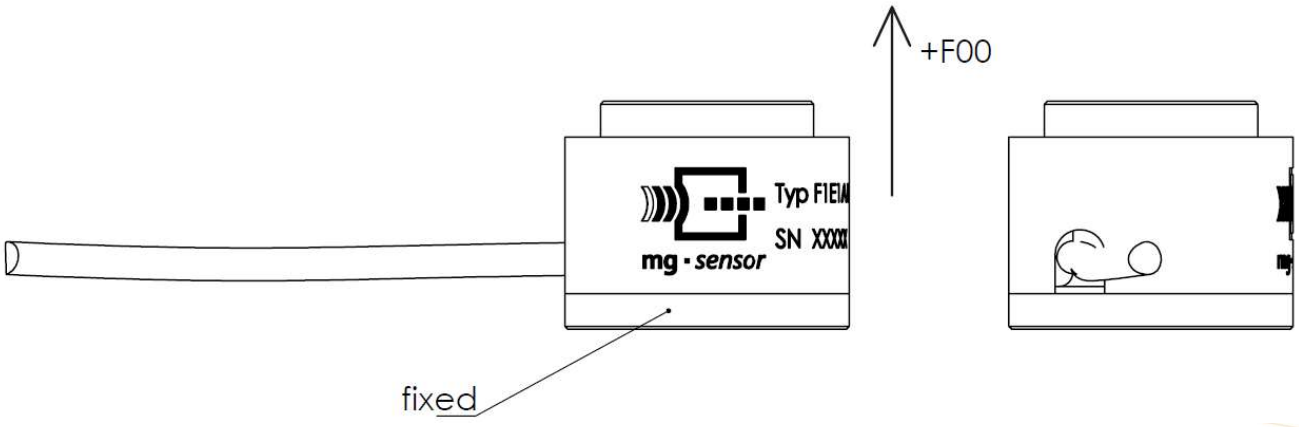


F1E1

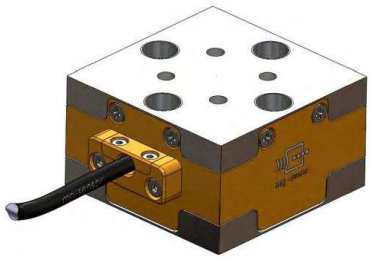
Description	Load Cell, 1-axial	
Measuring range F_O	kN	30..350*
Sensitivity[1] F_O	µV/V/kN	8,0..133
Output signal[1), 2)] F_O	mV/V	2,8..4,0
Bridge resistance F_O	Ω	700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	-
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	30..140
Application	Measurement of screw tightening	

*for further information please contact us!

All values measured at 10 V sensor supply voltage and at 23 °C.
[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

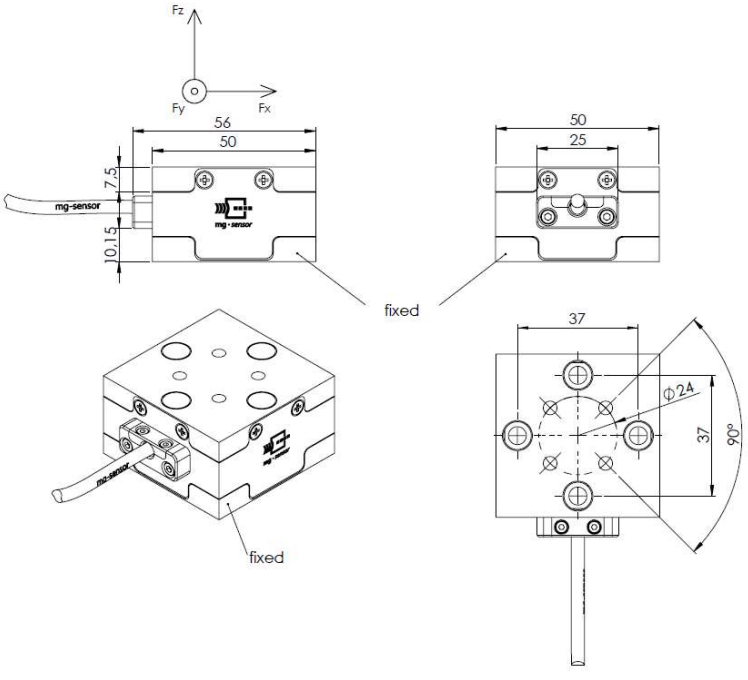


F2E0A10A



Description	Load Cell, 2-axial	
Measuring range *Fx/Fy*	kN	5,0/5,0
Sensitivity[1] *Fx/Fy*	µV/V/kN	120/120
Output signal[1), 2)] *Fx/Fy*	mV/V	1,2/1,2
Bridge resistance *Fx/Fy*	Ω	350/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	260
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.
[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

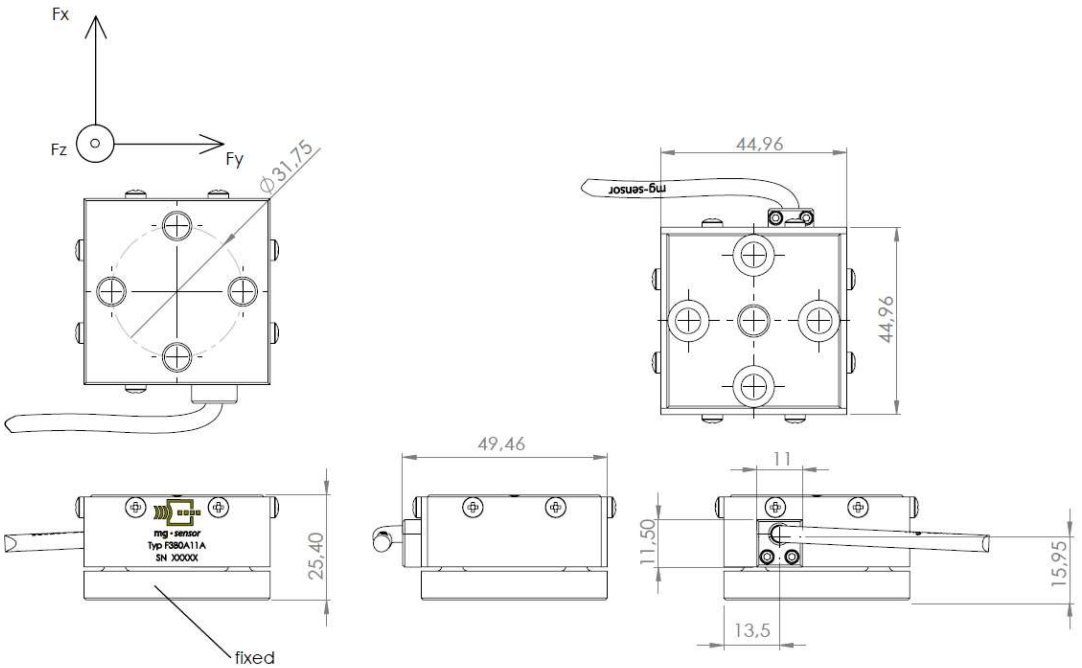


F3B0A11A

Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	5,0/5,0/5,0
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	520/520/150
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,6/2,6/0,8
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	260
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

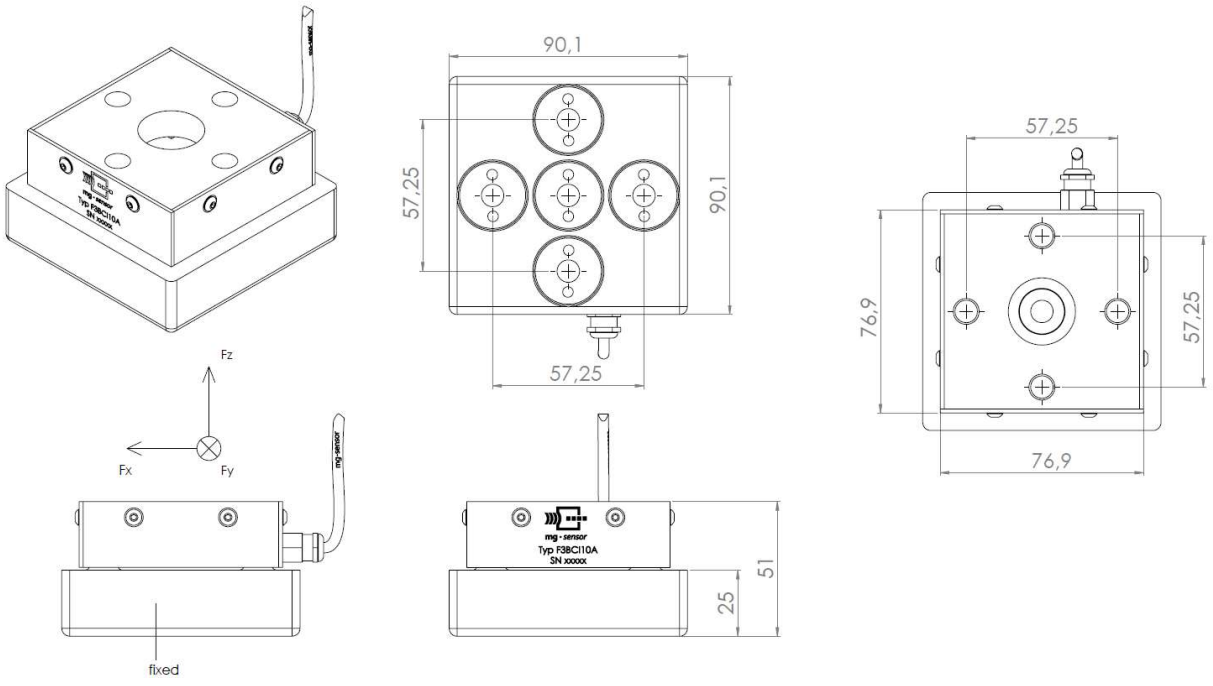


F3BCI10A

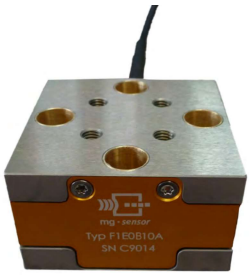
Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	55/55/55
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	40/40/30
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,2/2,2/1,6
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	2100
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

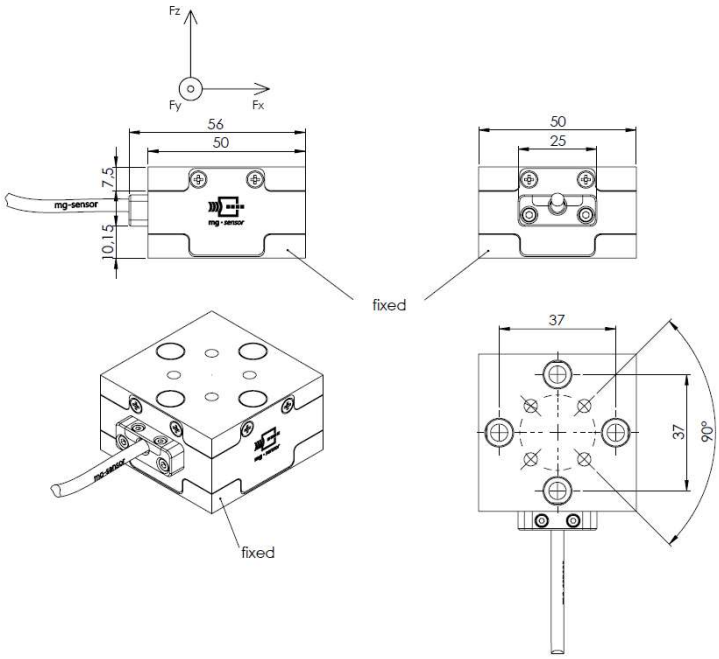


F3E0B11A

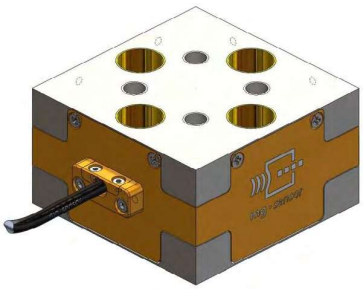


Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	10/10/20
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	200/200/100
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,0/2,0/2,0
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	260
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.
[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



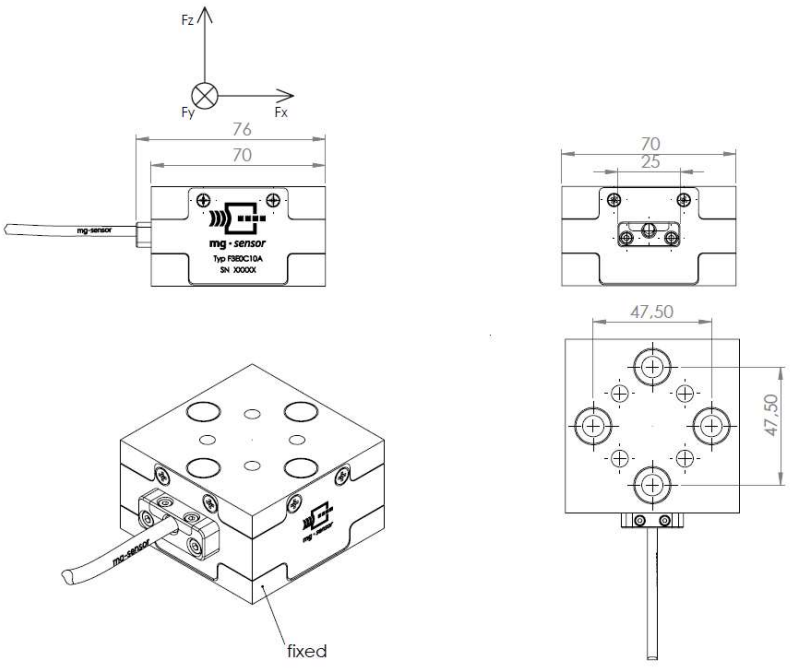
F3E0C10A



Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	30/30/50
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	67/67/40
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,0/2,0/2,0
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	1000
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

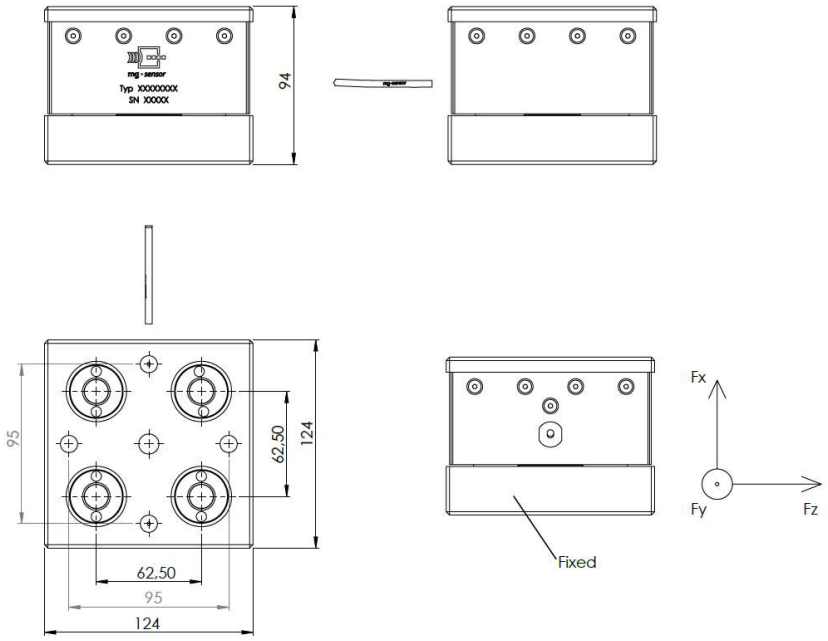


F3E0D11A

Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	400/150/150
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	5,0/12/12
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,0/1,8/1,8
Bridge resistance *Fx/Fy/Fz*	Ω	700/350/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	7700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



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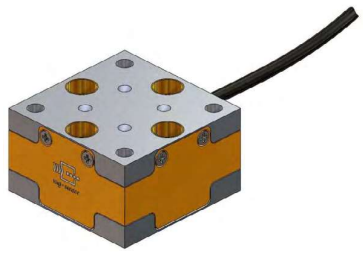
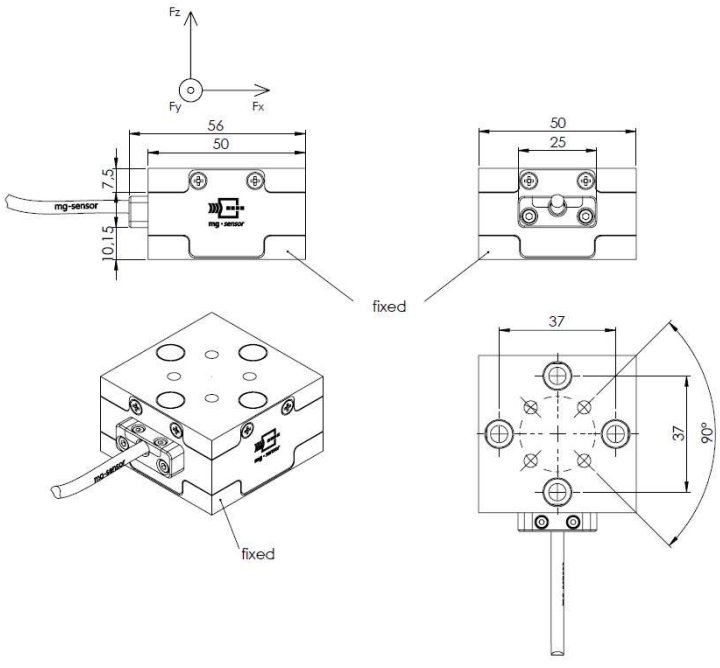


Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	0,8/0,8/1,0
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	2500/2500/800
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,0/2,0/0,8
Bridge resistance *Fx/Fy/Fz*	Ω	700/700/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	200
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.
[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

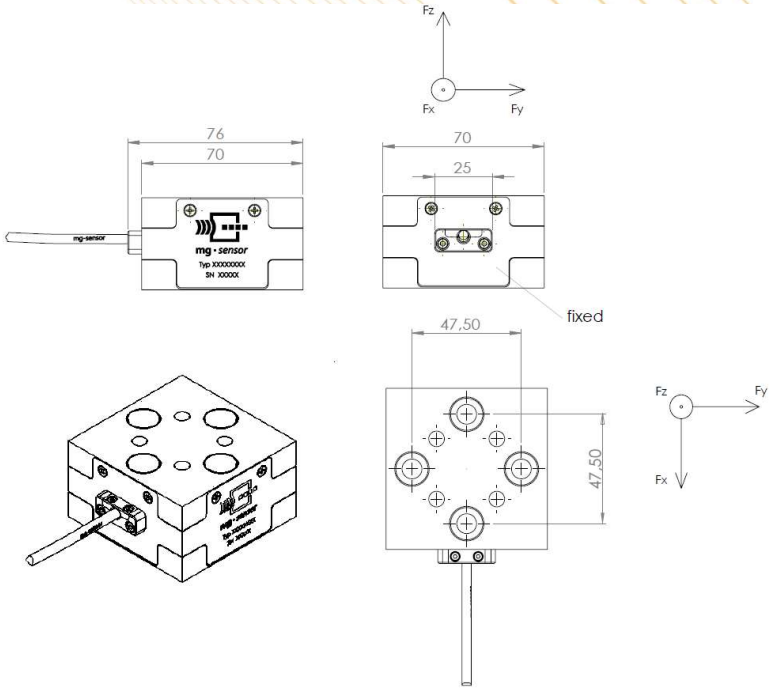


F3E0L10A

Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	20/20/40
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	76,5/76,5/43,8
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	1,5/1,5/1,8
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	1000
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

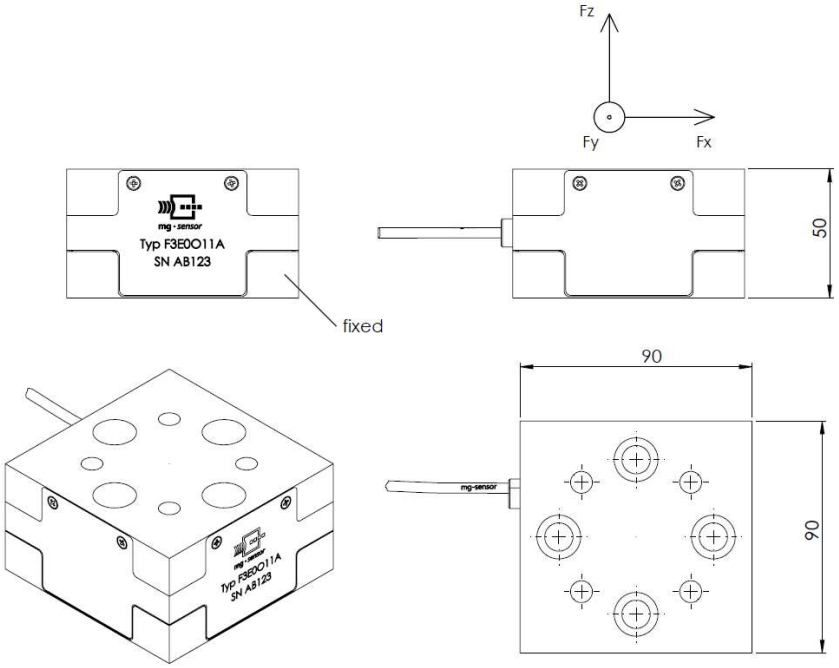


F3E0O11A

Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	50/50/100
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	20/20/17
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	1,0/1,0/1,7
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	2200
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

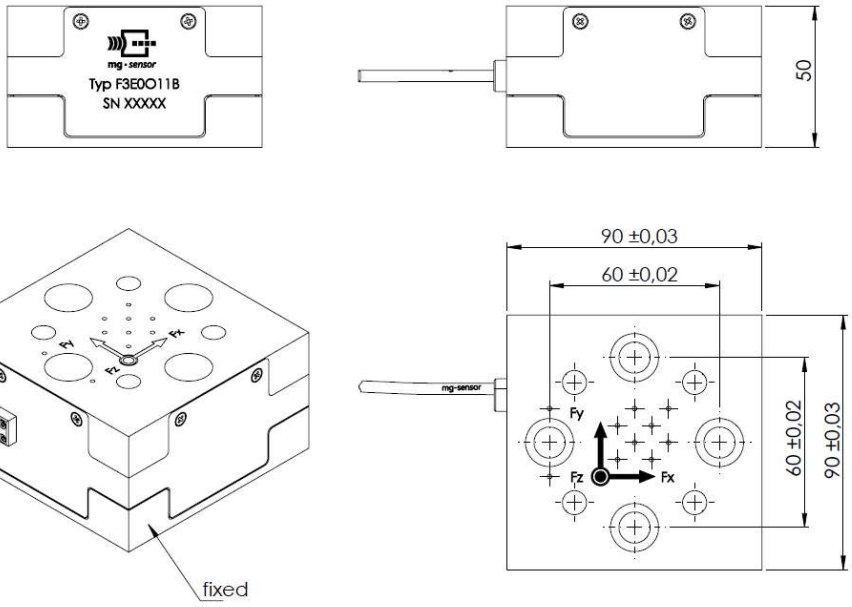


F3E0O11B

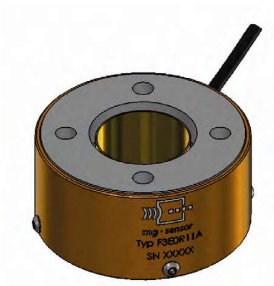
Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	75/75/100
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	24/24/17
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	1,8/1,8/1,7
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	2400
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

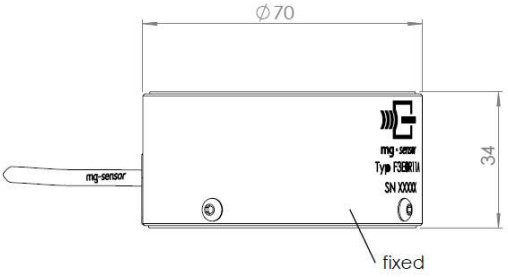


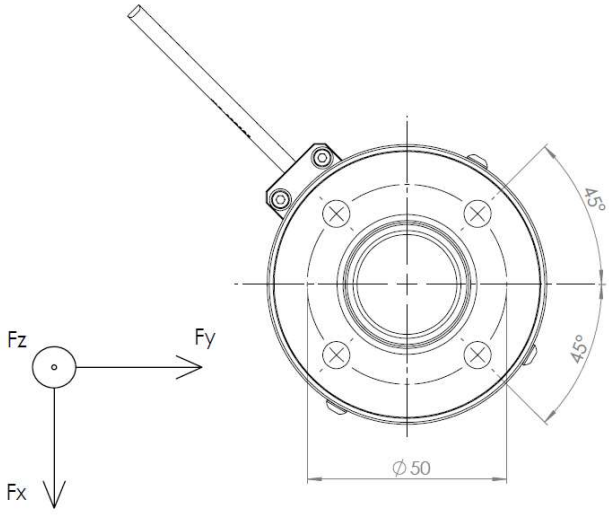
F3E0R11A



Description	Load Cell, 3-axial	
Measuring range *Fx/Fy/Fz*	kN	10/10/20
Sensitivity[1] *Fx/Fy/Fz*	µV/V/kN	60/60/35
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	0,6/0,6/0,7
Bridge resistance *Fx/Fy/Fz*	Ω	350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	-
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.
[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



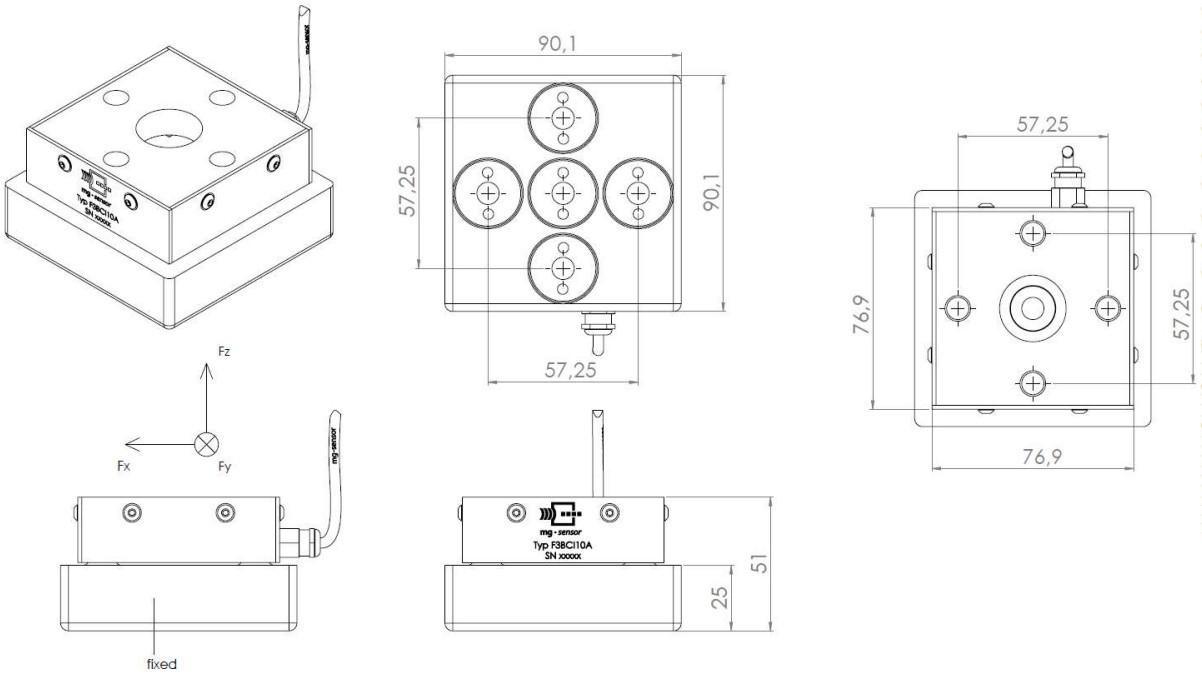


N6BCI11A

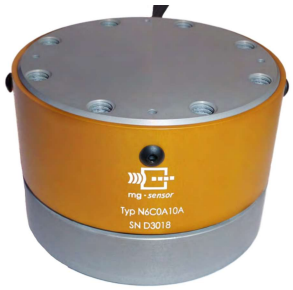
Description		Load Cell, 6-axial
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 55/55/55 3000/3000/1000
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 58/58/14,5 0,8/0,8/1,1
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	3,2/3,2/0,8/2,5/2,5/1,1
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/1400/700/700/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	–30..+70
Weight (approximate)	g	2100
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



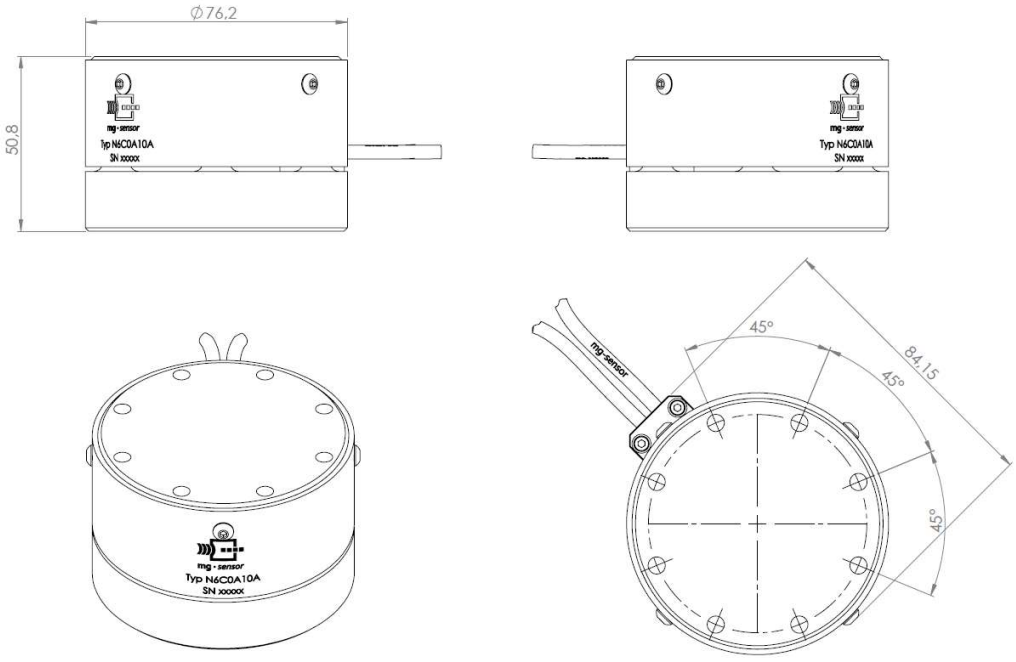
N6C0A10A



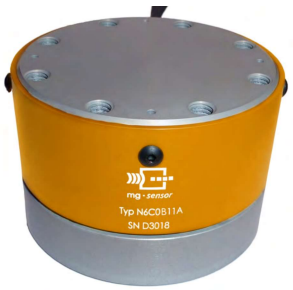
Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 8,0/8,0/8,0 450/450/250
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 213/213/125 5,0/5,0/7,2
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	1,7/1,7/1,0/2,3/2,3/1,8
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	500
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



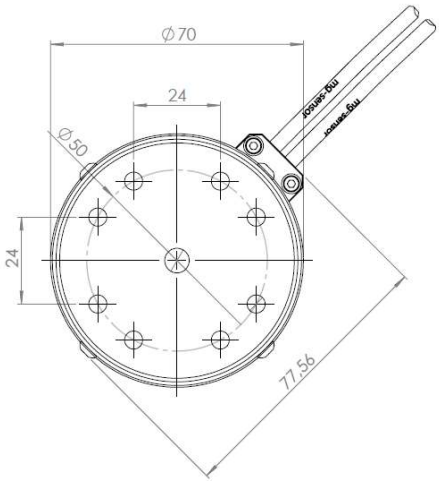
N6C0B11A

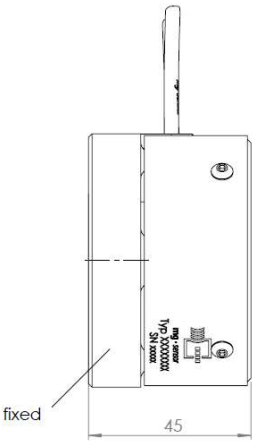


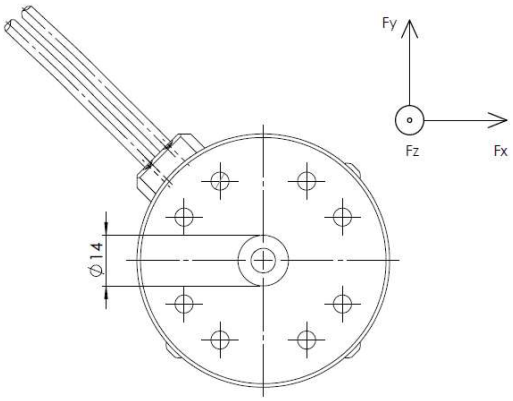
Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 8,0/8,0/8,0 800/800/500
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 113/113/62,5 3,0/3,0/4,2
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	0,9/0,9/0,5/2,4/2,4/2,1
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	500
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

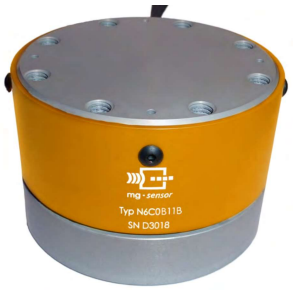
[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range







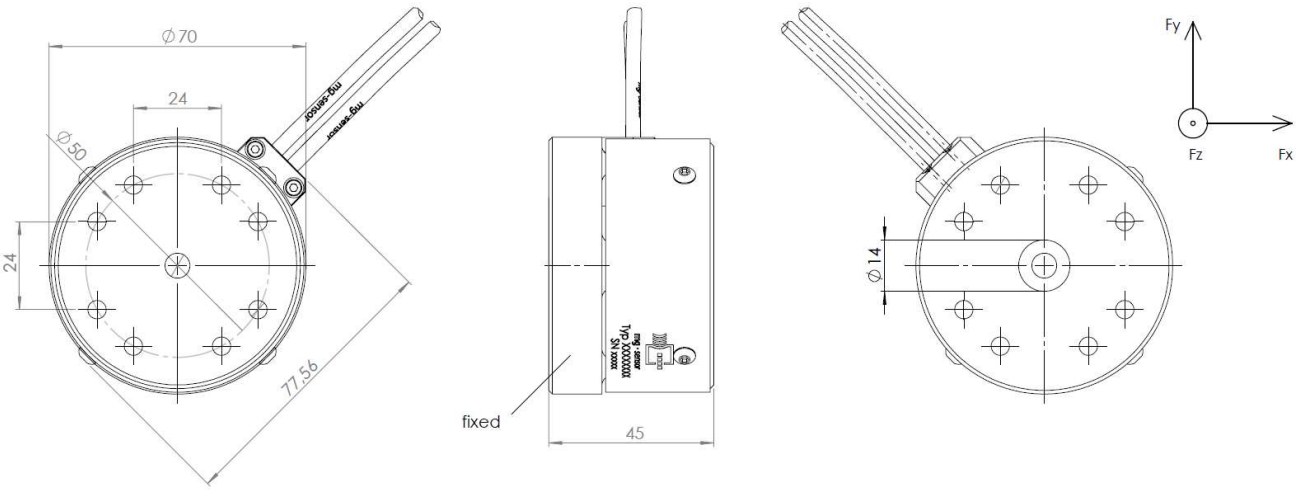
N6C0B11B



Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 20/20/20 800/800/500
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 110/110/65 3,0/3,0/4,4
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	2,2/2,2/1,3/2,4/2,4/2,2
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	500
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

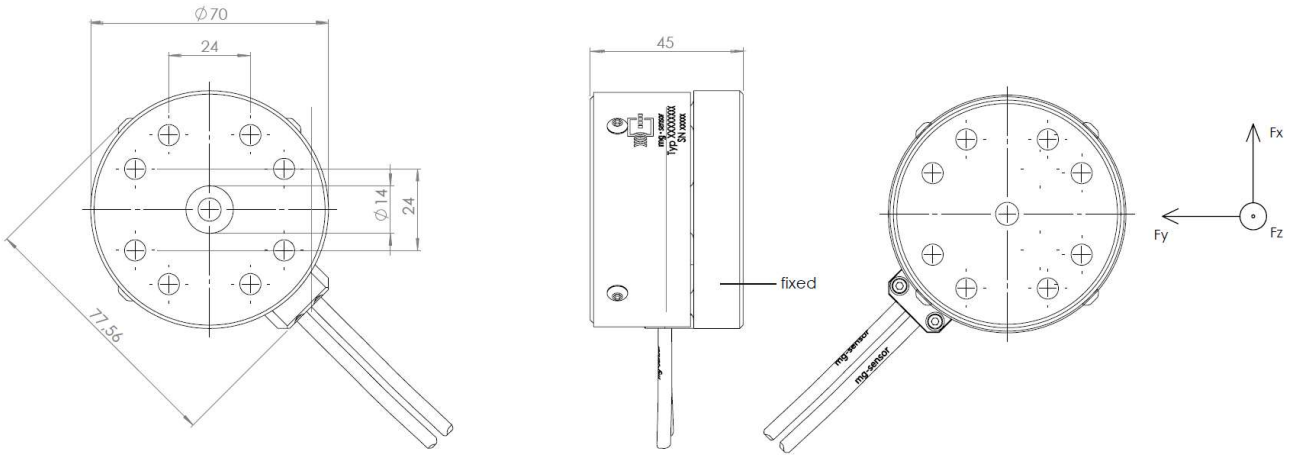


N6C0C11A

Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 4,0/4,0/4,0 200/200/100
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 350/350/175 8,0/8,0/12
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	1,4/1,4/0,7/1,6/1,6/1,2
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	500
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

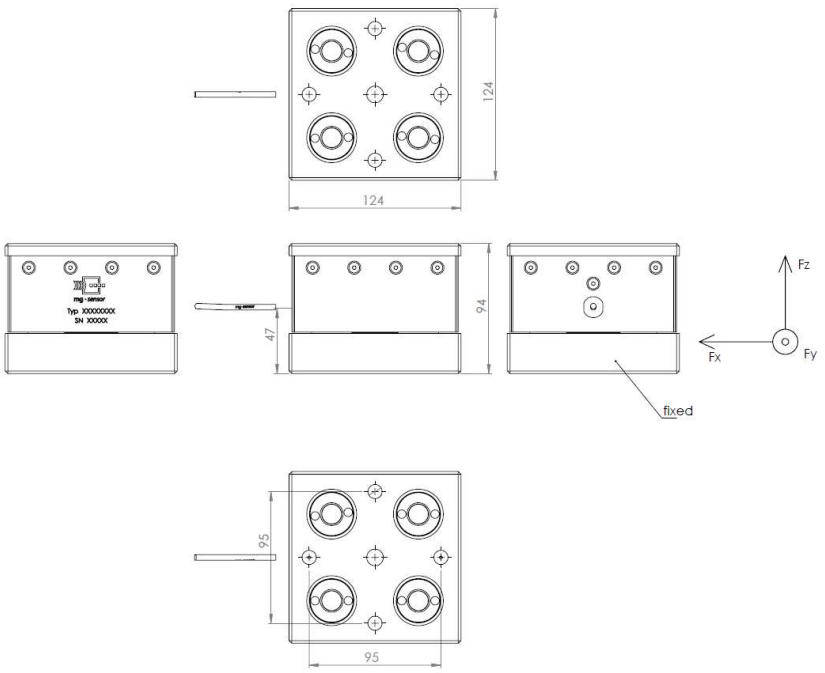


N6E0B10A

Description		Load Cell, 6-axial
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 150/150/150 8,0/12/12
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 10/13,3/13,3 288/167/167
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	1,5/2,0/2,0/2,3/2,0/2,0
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/350/700/350/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	7700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

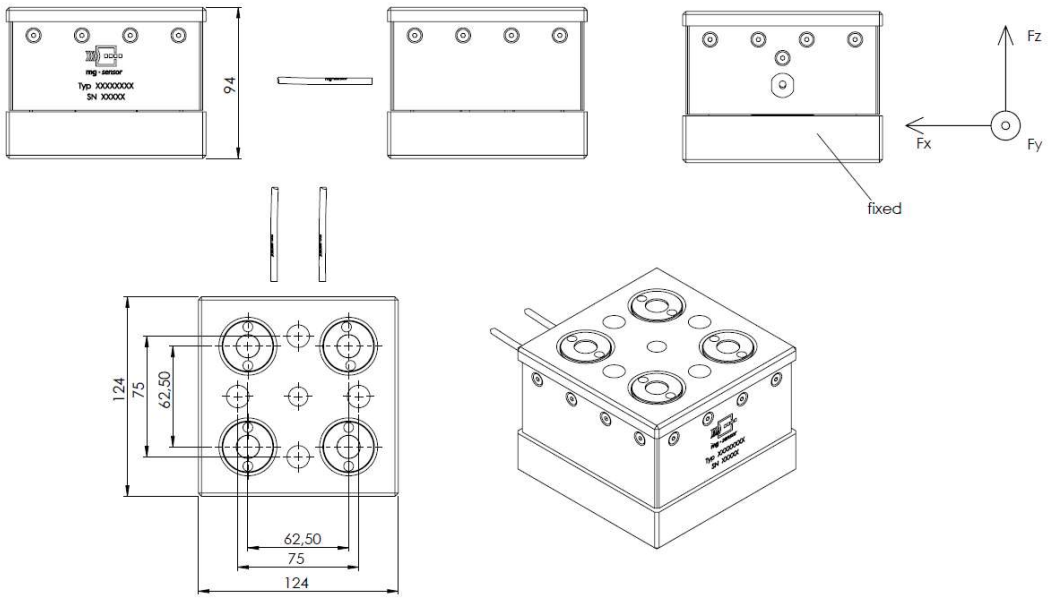


N6E0B11B

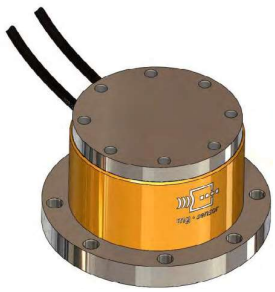
Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 400/150/150 8050/12000/12000
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 5,2/16/16 0,3/0,25/0,25
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	2,1/2,4/2,4/2,4/3,0/3,0
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	700/350/350/350/700/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	7700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



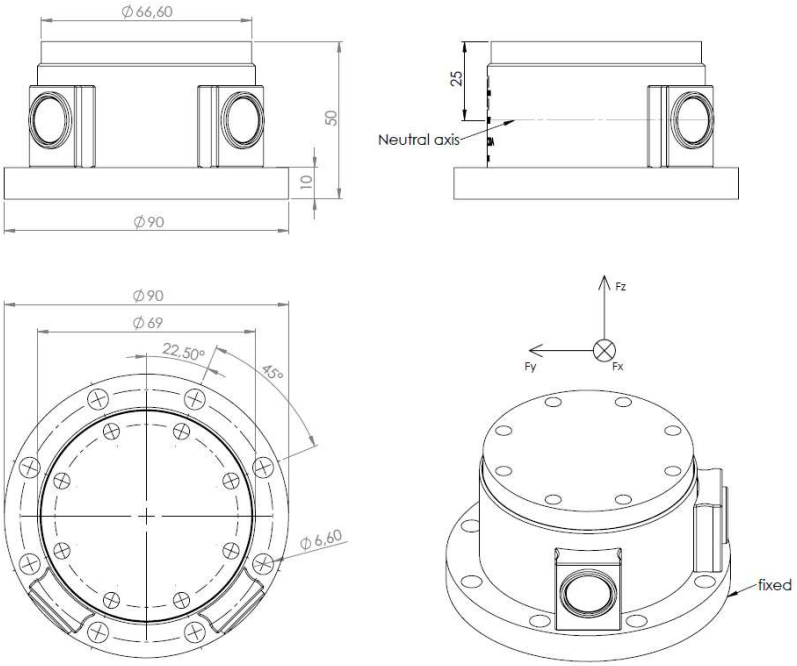
N6E0C10A



Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 13,5/13,5/22,5 340/340/340
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 82/82/49 2,4/2,4/3,3
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	1,1/1,1/1,1/0,8/0,8/1,1
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	800
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range

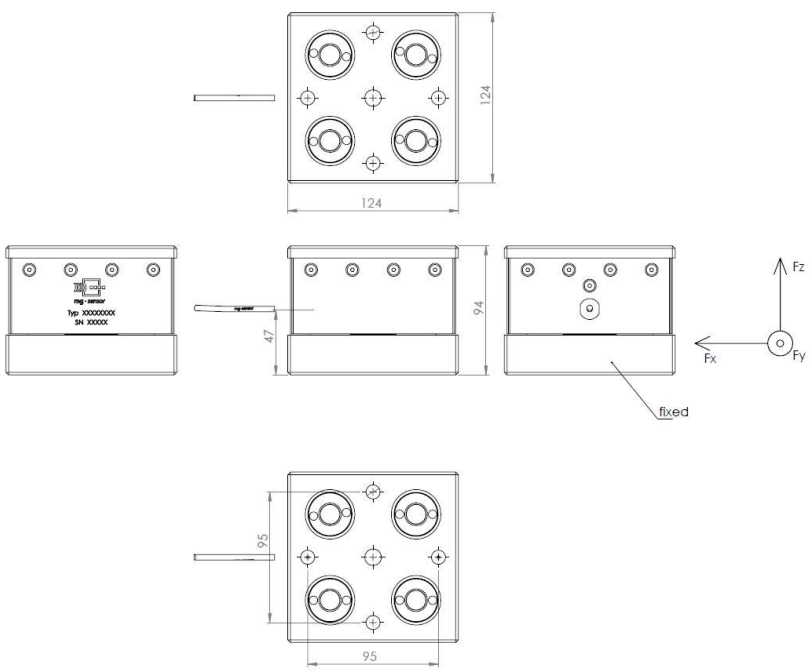


N6E0D10A

Description	Load Cell, 6-axial	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 200/200/400 8,0/8,0/6,0
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 16/16/11,5 0,3/0,3/0,3
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	3,2/3,2/4,5/2,0/2,0/1,6
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	7700
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range



N6E0F11A

Description		Load Cell, 6-axial
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 13,5/13,5/22,5 340/340/340
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 82/82/49 2,4/2,4/3,3
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	1,1/1,1/1,1/0,8/0,8/1,1
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	Ω	350/350/700/350/350/700
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 1,0
Hysteresis[3)]	%	≤ 1,0
Channel crosstalk[3)]	%	≤ 5,0
Supply voltage	V	2–15
Ultimate load	%	150
Insulation resistance	MΩ	> 100
Temperature range	°C	-30..+85
Weight (approximate)	g	800
Application	General	

All values measured at 10 V sensor supply voltage and at 23 °C.

[1)] Typical value, [2)] At nominal load, [3)] Relative nominal range