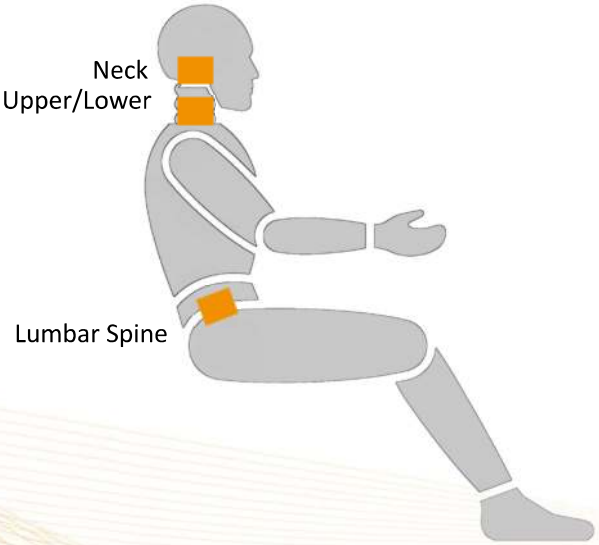
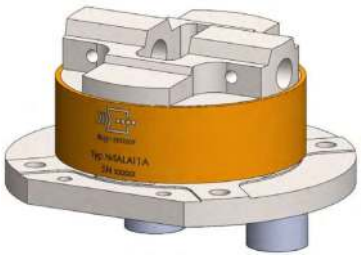
Dummy H3-Children



Location	Axial	Model*	Page
Neck	4	N4ALA11A	159
Neck, Upper	3	F3AJC10A	160
Neck, Upper	3	N3ALA11A	161
Neck, Upper	6	N6AJC11A; N6ALB11A	162
Neck, Lower	6	N6AJF11A; N6AKE11A	164
Lumbar Spine	6	N6AIJ11A	on request

*additional versions available on request!

N4ALA11A

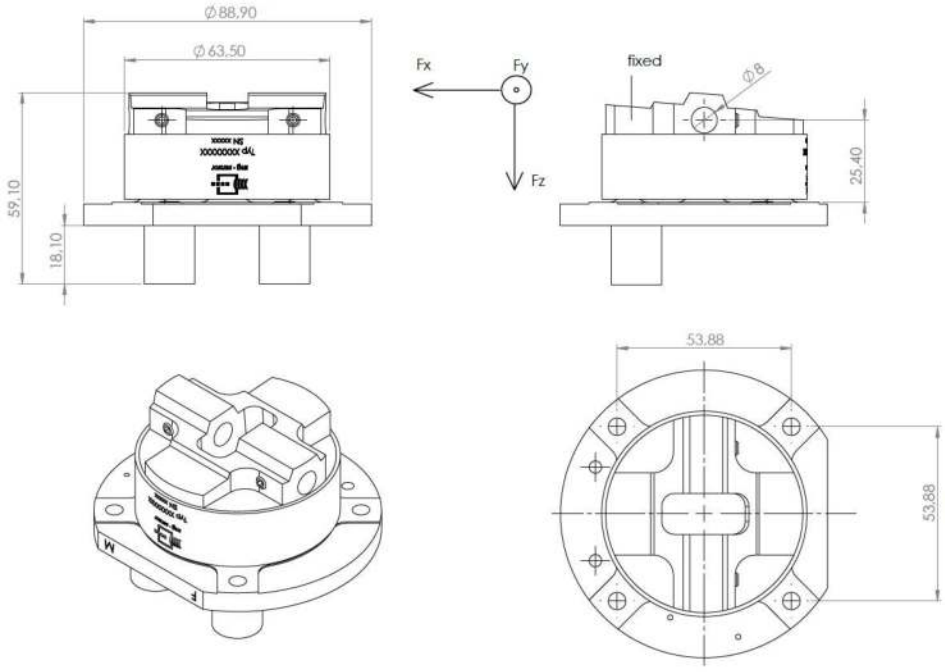


Dummy side view see page 163

Description	Load Cell, 4-axial Neck	
Measuring range *Fx/Fy/Fz* *My*	 kN Nm	 8,9/8,9/13,3 282
Sensitivity[1)] *Fx/Fy/Fz* *My*	 µV/V/kN µV/V/Nm	 180/180/90 5,7
Output signal[1), 2)] *Fx/Fy/Fz/My*	mV/V	1,6/1,6/1,2/1,6
Bridge resistance *Fx/Fy/Fz/My*	Ω	350/350/700/350
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	630
Application	H3-Family, SIDIIs, BioSID, H3-6YO	

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

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



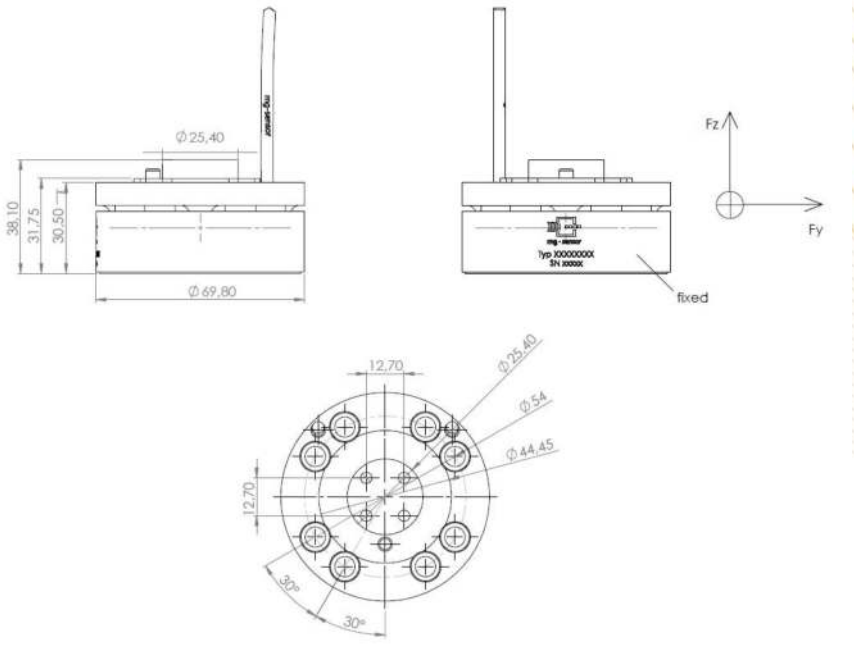
F3AJC10A

Dummy side view see page 163

Description	Load Cell, 6-axial Neck, Upper	
Measuring range *Fx/Fy/Fz*	kN	4,4/4,4/6,7
Sensitivity[1)] *Fx/Fy/Fz*	µV/V/kN	523/523/224
Output signal[1), 2)] *Fx/Fy/Fz*	mV/V	2,3/2,3/1,5
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	250
Application	H3-3YO	

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

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



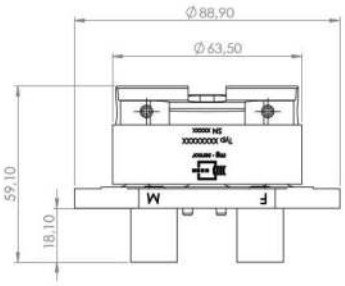
N3ALA11A

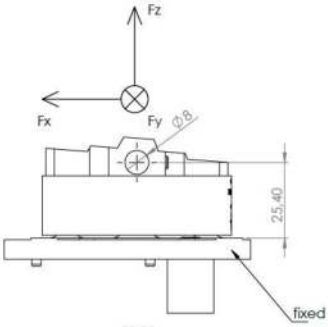
Dummy side view see page 163

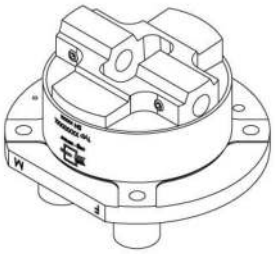
Description	Load Cell, 3-axial Neck, Upper	
Measuring range *Fx/Fz* *My*	 kN Nm	 8,9/13,3 282
Sensitivity[1)] *Fx/Fz* *My*	 µV/V/kN µV/V/Nm	 191/105 6,0
Output signal[1), 2)] *Fx/Fz/My*	mV/V	1,7/1,4/1,7
Bridge resistance *Fx/Fz/My*	Ω	350/700/350
Zero signal[1)]	mV/V	≤ 0,05
Amplitude non-linearity[3)]	%	≤ 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	680
Application	H3-Family, FAA, H3-6YO, H3-10YO	

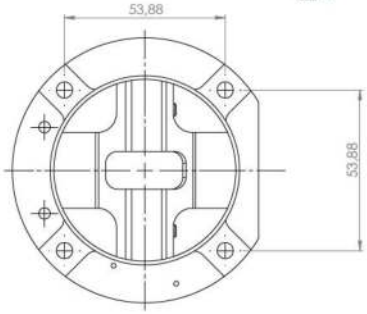
All values measured at 10 V sensor supply voltage and at 23 °C.

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









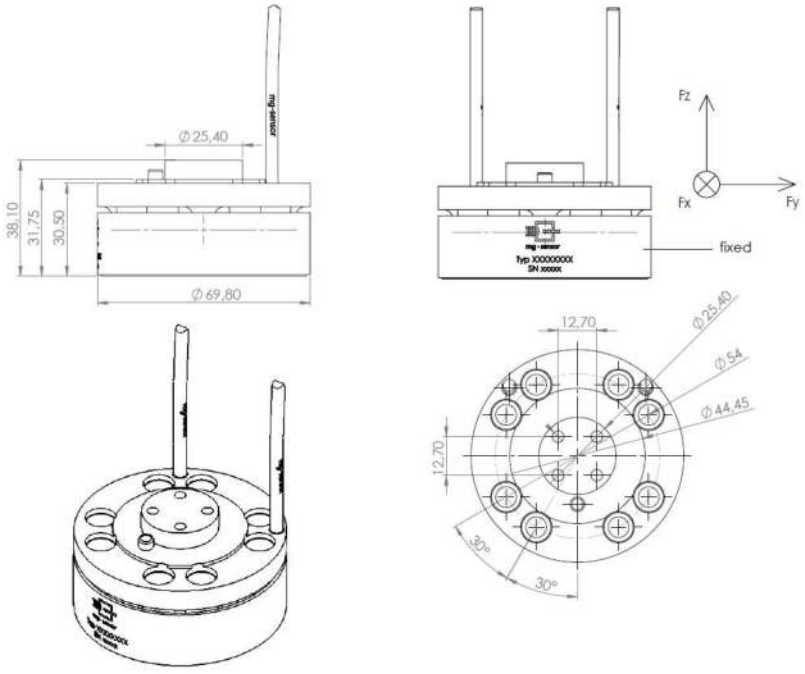
N6AJC11A

Dummy side view see page 163

Description	Load Cell, 6-axial Neck, Upper	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 4,4/4,4/6,7 169/169/113
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 523/523/224 10,7/10,7/15,9
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	2,3/2,3/1,5/1,8/1,8/1,8
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..+70
Weight (approximate)	g	250
Application	H3-3YO	

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

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



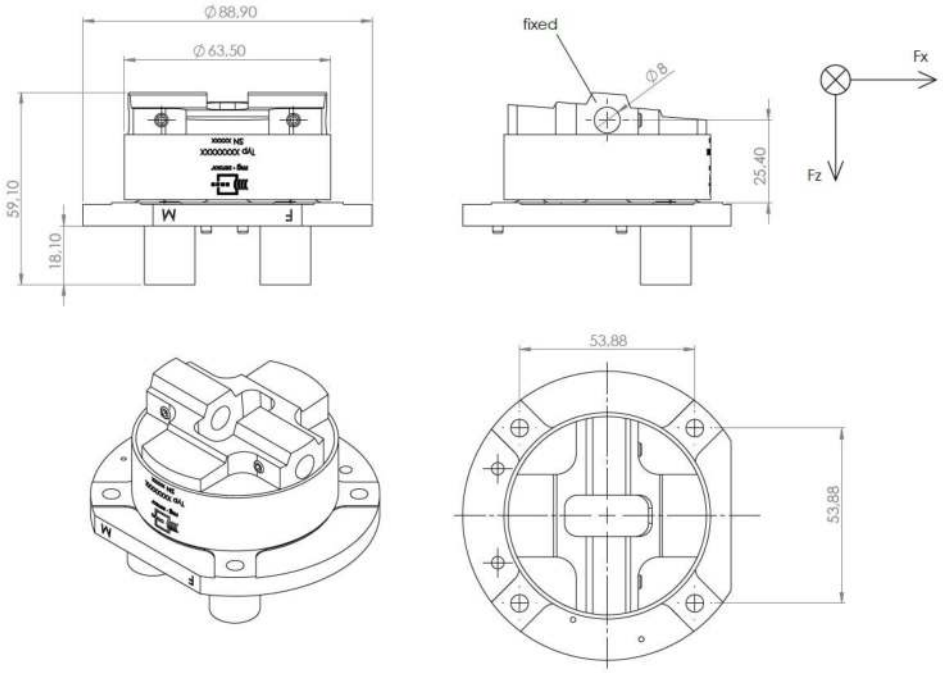
N6ALB11A

Dummy side view see page 163

Description	Load Cell, 6-axial Neck, Upper	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 8,9/8,9/13,3 282/282/282
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 191/191/105 6,0/6,0/8,2
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	1,7/1,7/1,4/1,7/1,7/2,3
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..+70
Weight (approximate)	g	680
Application	H3-Family, FAA, SIDIIs, BioSID, H3-6YO, H3-10YO	

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

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



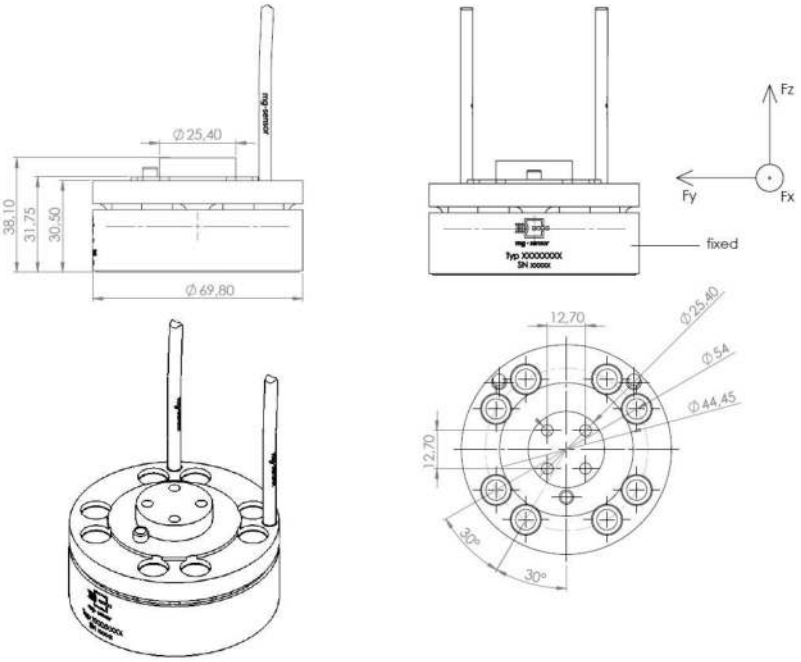
N6AJF11A

Dummy side view see page 163

Description	Load Cell, 6-axial Neck, Lower	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 4,4/4,4/6,7 169/169/113
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 523/523/226 10,7/10,7/15,9
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	mV/V	2,3/2,3/1,5/1,8/1,8/1,8
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..+70
Weight (approximate)	g	250
Application	H3-3YO	

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

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



N6AKE11A

Dummy side view see page 163

Description	Load Cell, 6-axial Neck, Lower	
Measuring range *Fx/Fy/Fz* *Mx/My/Mz*	 kN Nm	 4,4/4,4/7,1 226/226/141
Sensitivity[1)] *Fx/Fy/Fz* *Mx/My/Mz*	 µV/V/kN µV/V/Nm	 409/409/169 8,8/8,8/14,2
Output signal[1), 2)] *Fx/Fy/Fz/Mx/My/Mz*	 mV/V	 1,8/1,8/1,2/2,0/2,0/2,0
Bridge resistance *Fx/Fy/Fz/Mx/My/Mz*	 Ω	 350/350/700/700/700/350
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	300
Application	H3-6YO	

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

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