FS6-100 SPECIFICATIONS

The FS6 is a verstiale force transducer, offering accurate measurement of forces and moments in one of our most compact sensor designs. The body of the load cell is manufactured from a high-strength aluminum alloy with a durable anodized finish. Both its top and bottom surfaces are equipped with threaded holes for mounting.

Units: Metric ▼ Capacity: 445 N ▼

Dimensions(LxDia)	64 x 38 mm	**IP Rating**	IP50
Weight	0.1 kg	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Body Material	Aluminum	**Analog outputs**	Six channels
Temperature range	-17.78 to 51.67°C	**Digital outputs**	None
Excitation	10V maximum	**Crosstalk**	< 2% on all channels
Fx, Fy, Fz hysteresis	± 0.2% full scale output	**Fx, Fy, Fz non-linearity**	± 0.2% full scale output

Channel	**Fx**	**Fy**	**Fz**	**Units**	**Mx**	**My**	**Mz**	**Units**
Capacity	222	222	445	N	11	11	5.6	N-m
Sensitivity	5.4	5.4	1.35	µv/v-N	266	266	213	µv/v-N-m
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 105)	21.04	21.04	298	N/m	-	-	0.0226	N-m/rad

Resolution — *To determine the resolution of your system, please use our Output Calculator.*

Published specifications subject to change without notice.

Last modified:2016-08-23

TECHNICAL DRAWINGS
Footprint Drawing (click on image to enlarge)
Electrical Drawing (click on image to enlarge)
TECHNICAL DRAWING
Footprint Drawing

FS6-250 SPECIFICATIONS

The FS6 is a verstiale force transducer, offering accurate measurement of forces and moments in one of our most compact sensor designs. The body of the load cell is manufactured from a high-strength aluminum alloy with a durable anodized finish. Both its top and bottom surfaces are equipped with threaded holes for mounting.

Units: Metric ▼ Capacity: 1112 N ▼

Dimensions(LxDia)	63.5 x 37.85 mm	**IP Rating**	IP50
Weight	0.1 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Body Material	Aluminum	**Analog outputs**	Six channels
Temperature range	-17.78 to 51.67°C	**Digital outputs**	None
Excitation	10V maximum	**Crosstalk**	< 2% on all channels
Fx, Fy, Fz hysteresis	± 0.2% full scale output	**Fx, Fy, Fz non-linearity**	± 0.2% full scale output

Channel	**Fx**	**Fy**	**Fz**	**Units**	**Mx**	**My**	**Mz**	**Units**
Capacity	556	556	1112	N	28	28	14	N-m
Sensitivity	2.16	2.16	0.54	µv/v-N	106.3	106.3	85.06	µv/v-N-m
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 105)	52.58	52.58	745	N/m	-	-	0.0564	N-m/rad

Resolution — *To determine the resolution of your system, please use our Output Calculator.*

Published specifications subject to change without notice.

Last modified:2016-08-23

TECHNICAL DRAWINGS
Footprint Drawing (click on image to enlarge)
Electrical Drawing (click on image to enlarge)
TECHNICAL DRAWING
Footprint Drawing

FS6-500 SPECIFICATIONS

The FS6 is a verstiale force transducer, offering accurate measurement of forces and moments in one of our most compact sensor designs. The body of the load cell is manufactured from a high-strength aluminum alloy with a durable anodized finish. Both its top and bottom surfaces are equipped with threaded holes for mounting.

Units: Metric ▼ Capacity: 2224 N ▼

Dimensions(LxDia)	63.5 x 37.85 mm	**IP Rating**	IP50
Weight	0.1 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Body Material	Aluminum	**Analog outputs**	Six channels
Temperature range	-17.78 to 51.67°C	**Digital outputs**	None
Excitation	10V maximum	**Crosstalk**	< 2% on all channels
Fx, Fy, Fz hysteresis	± 0.2% full scale output	**Fx, Fy, Fz non-linearity**	± 0.2% full scale output

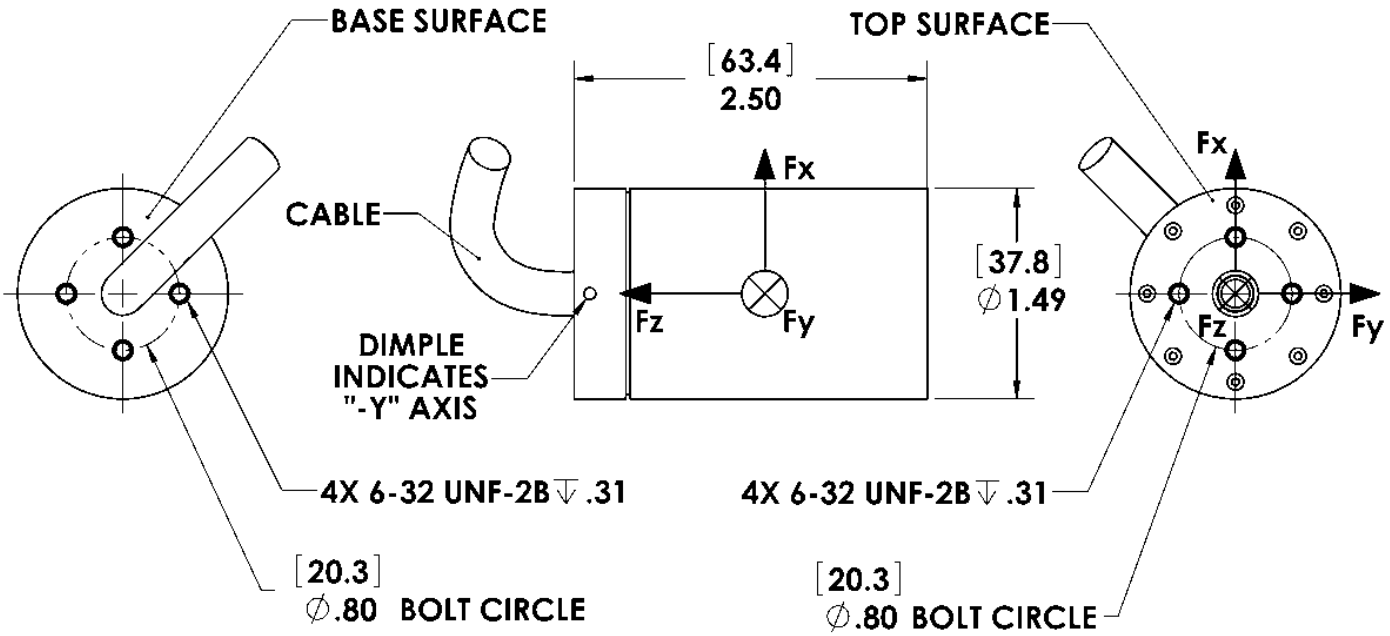
Channel	**Fx**	**Fy**	**Fz**	**Units**	**Mx**	**My**	**Mz**	**Units**
Capacity	1112	1112	2223	N	56	56	28	N-m
Sensitivity	1.08	1.08	0.27	µv/v-N	53.16	53.16	42.53	µv/v-N-m
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 105)	105.2	105.2	1490	N/m	-	-	0.113	N-m/rad

Resolution *To determine the resolution of your system, please use our Output Calculator.*

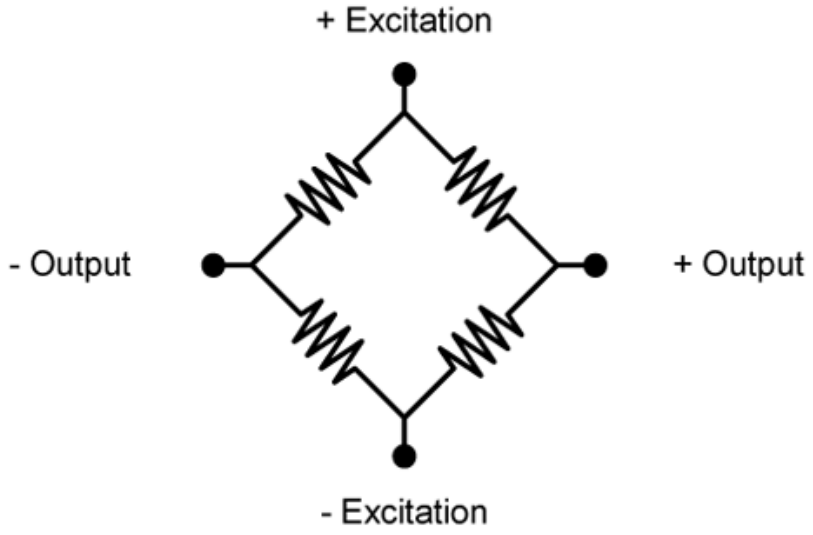
Published specifications subject to change without notice.

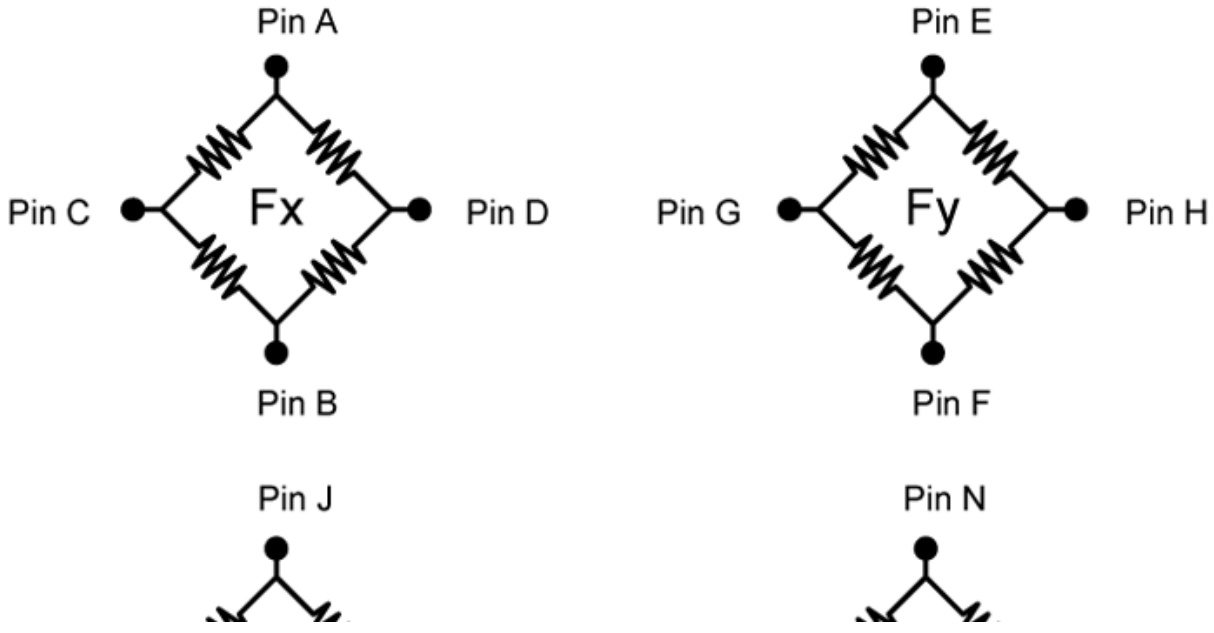
Last modified:2016-08-23

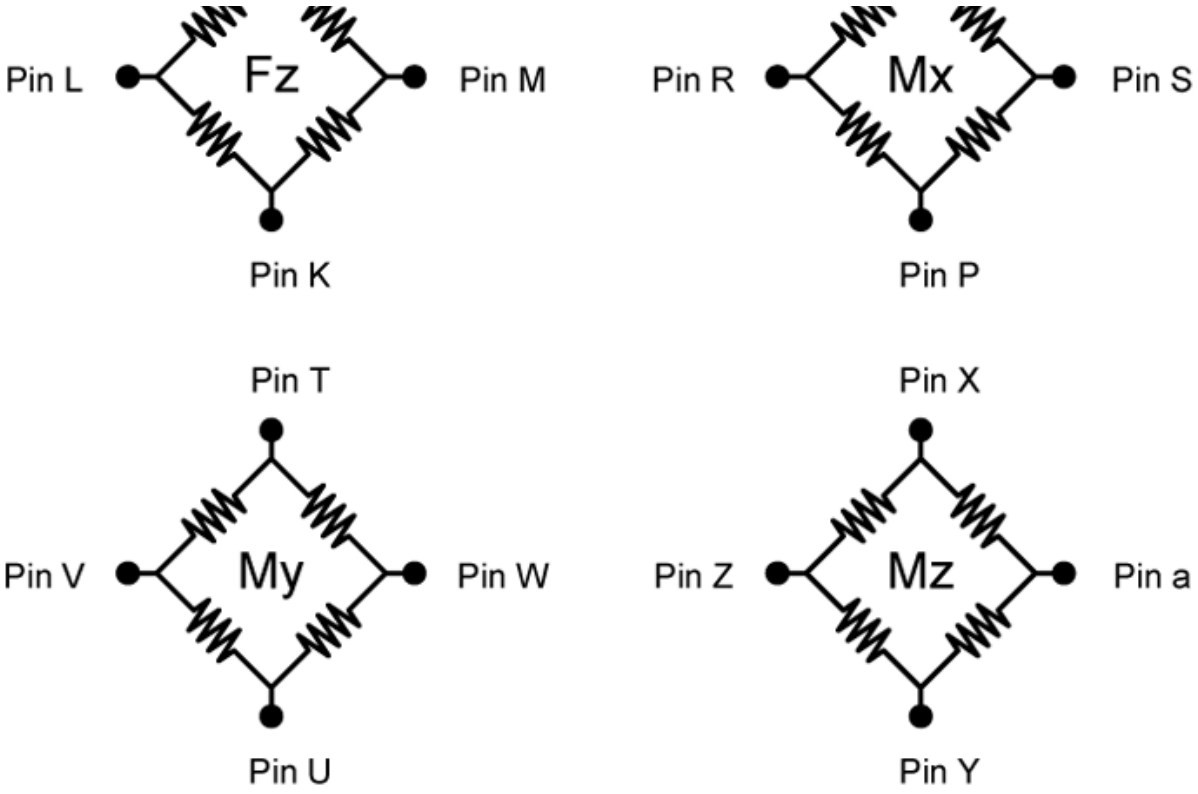
TECHNICAL DRAWINGS
Footprint Drawing (click on image to enlarge)
Electrical Drawing (click on image to enlarge)
TECHNICAL DRAWING
Footprint Drawing



Electrical Drawing







Bridge Fz = 700 ohms

Bridges Fx; Fy; Mx; My; Mz = 350 ohms

Connector Type:

Souriau 851-02E16-26P50-44

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