

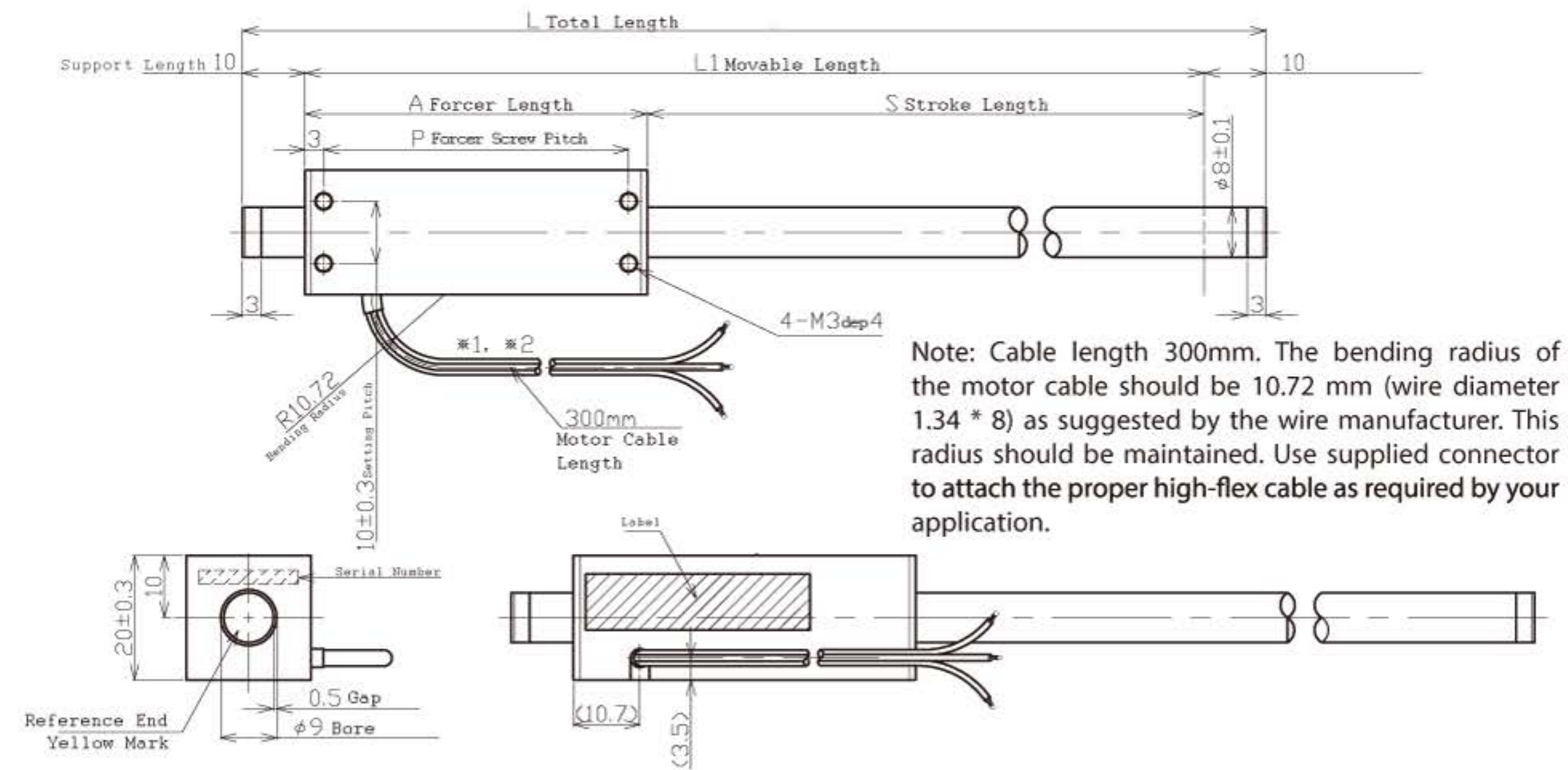
S080 series

Spec

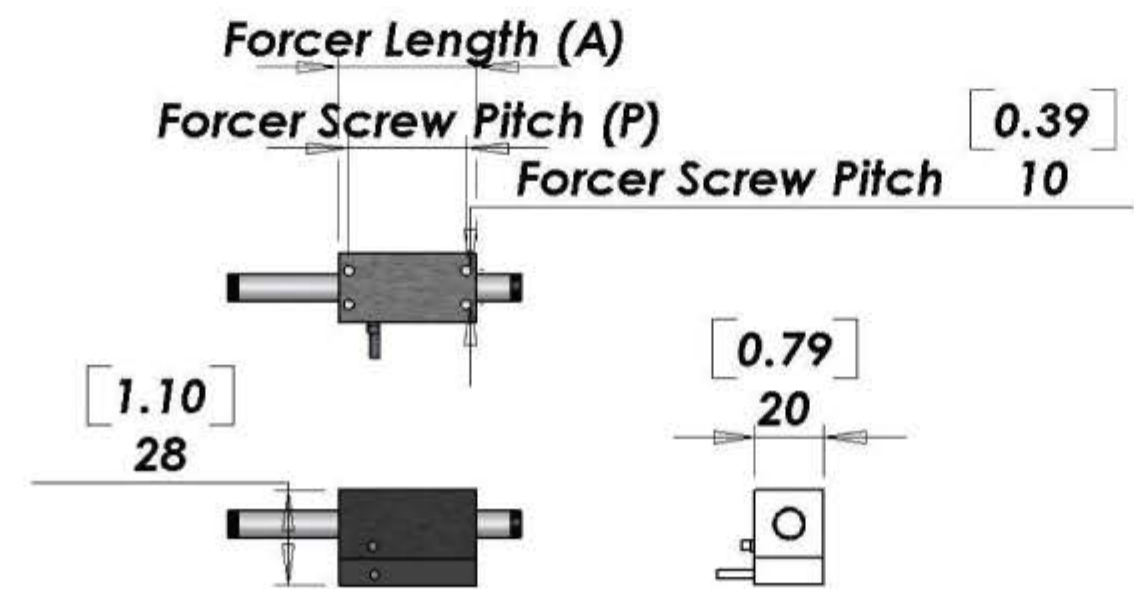
		S080D	S080T	S080Q
Continuous Force	(N)	1.8	2.7	3.5
Continuous Current	(A rms)	0.8	0.8	0.8
Acceleration Force	(N)	7.2	10.7	14
Accel. Current	(A rms)	3.4	3.4	3.4
Shaft Diameter	(mm)	8	8	8
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	40	55	70
Forcer Weight	(kg)	0.05	0.06	0.08
Air Gap	(mm)	0.50	0.50	0.50



Dimension Guide



Hall Effect Specs



Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red
No Connection	Gray/Black

The bending radius of the sensor cable should be R10.72 mm (wire diameter 1.38 * 8) as suggested by the wire manufacturer. This radius should be maintained.

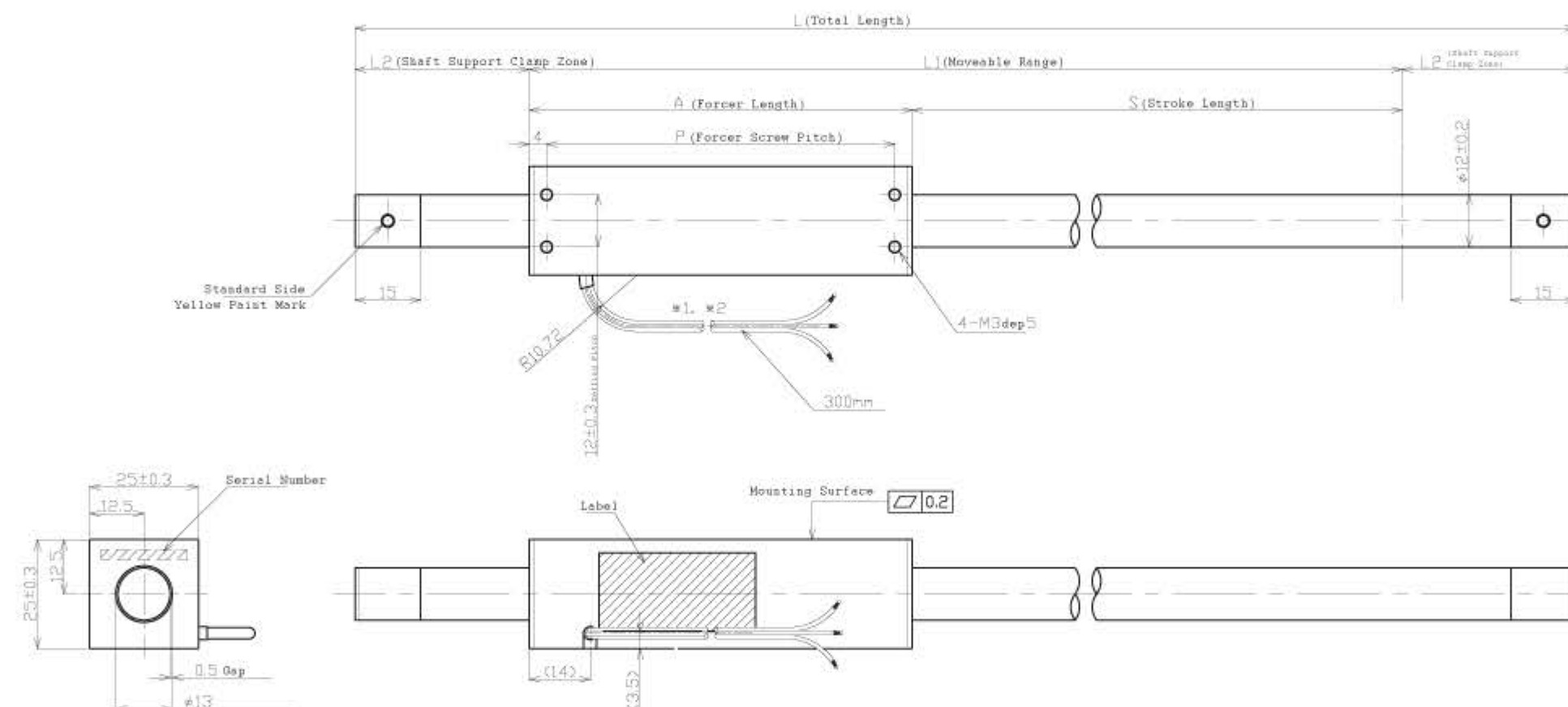
S120 series

Spec

		S120D	S120T	S120Q
Continuous Force	(N)	4.5	6.6	8.9
Continuous Current	(A rms)	0.4	0.4	0.4
Acceleration Force	(N)	18	27	36
Accel. Current	(A rms)	1.6	1.6	1.6
Shaft Diameter	(mm)	12	12	12
Forcer Size		<u>D</u> ouble windings	<u>T</u> riple Windings	<u>Q</u> uadruple Windings
Forcer Length	(mm)	64	88	112
Forcer Weight	(kg)	0.09	0.12	0.16
Air Gap	(mm)	0.50	0.50	0.50

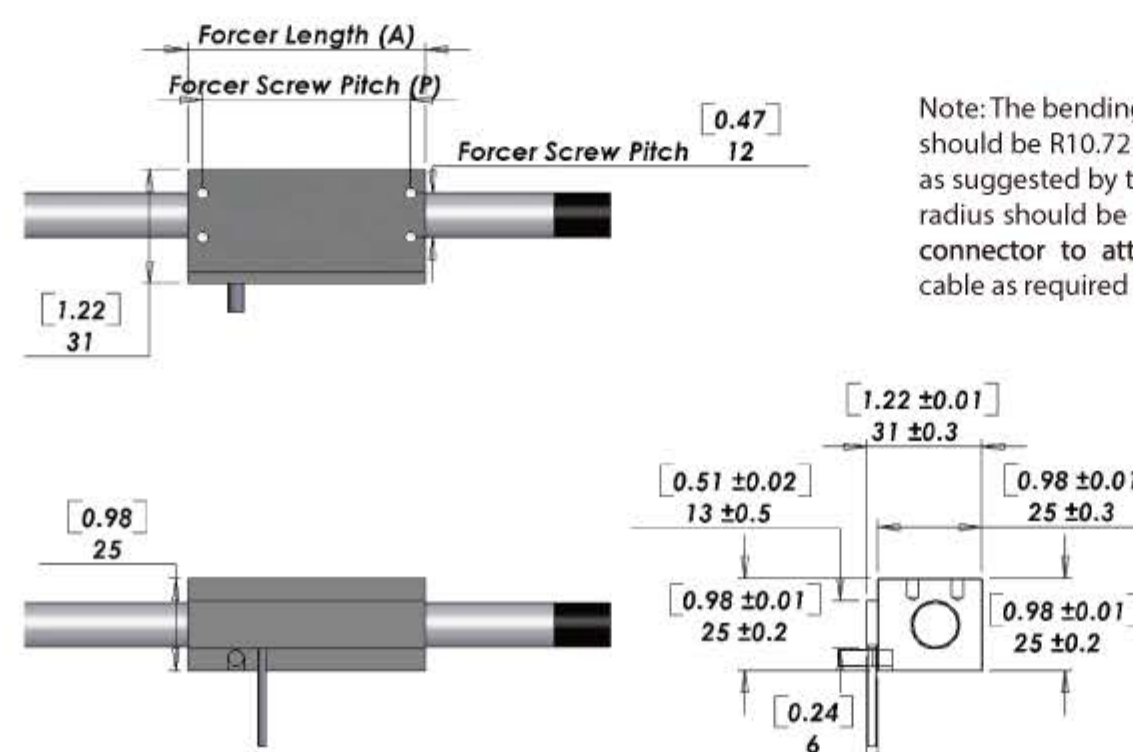


Dimension Guide



Note: Cable length 300mm. The bending radius of the motor cable should be 10.72 mm (wire diameter 1.34 * 8) as suggested by the wire manufacturer. This radius should be maintained. Use supplied connector to attach the proper high-flex cable as required by your application.

Hall Effect Specs



Note: The bending radius of the motor cable should be R10.72mm (wire diameter 4.6 * 6) as suggested by the wire manufacturer. This radius should be maintained. Use supplied connector to attach the proper high-flex cable as required by your application.

Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red
No Connection	Gray/Black

The bending radius of the sensor cable should be R27.6 mm (wire diameter 1.38 * 8) as suggested by the wire manufacturer. This radius should be maintained. Attach the proper high-flex cable as required by your application.

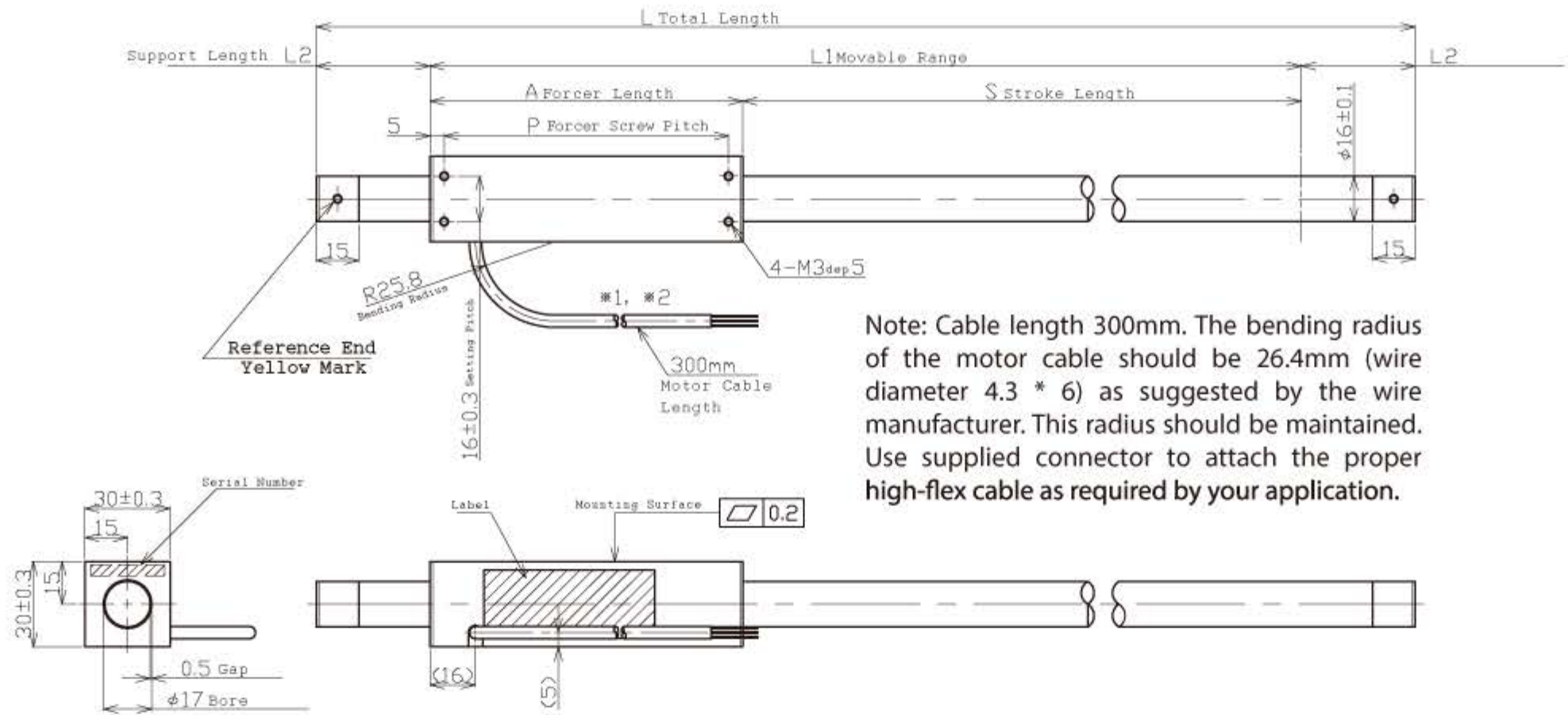
S160 series

Spec

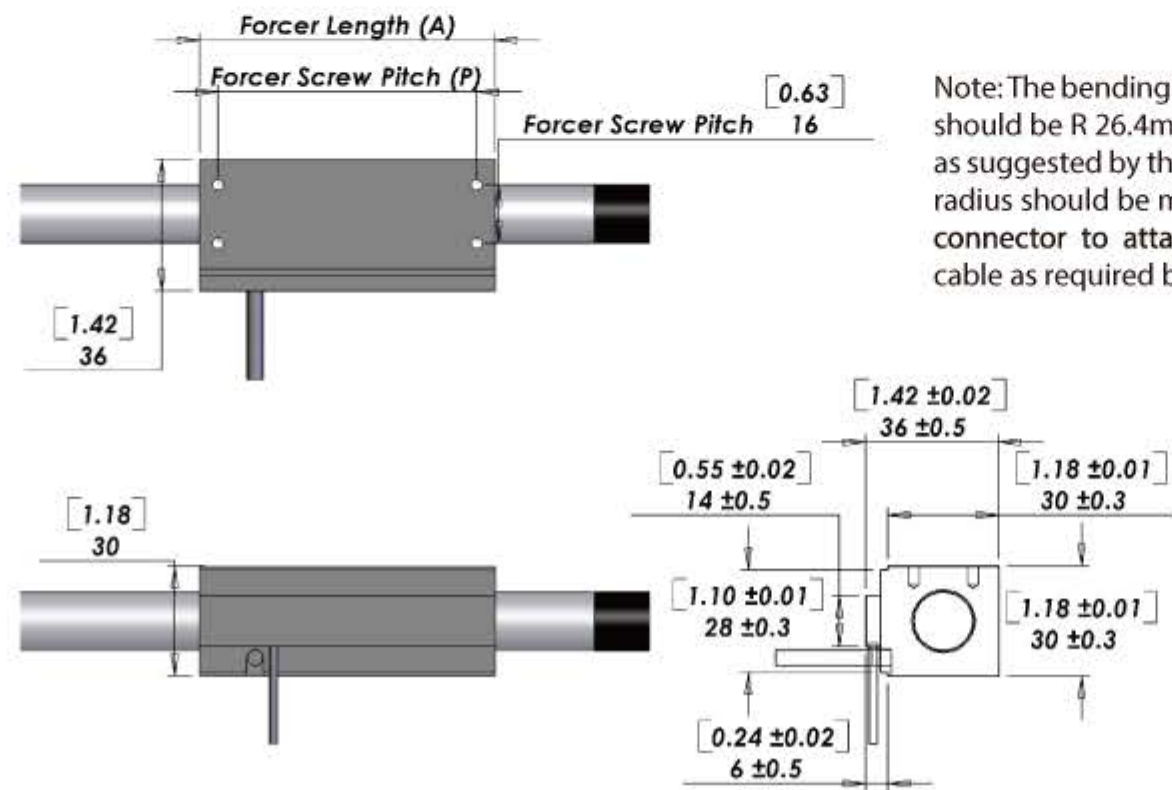
		S160D	S160T	S160Q
Continuous Force	(N)	10	15	20
Continuous Current	(A rms)	0.6	0.6	0.6
Acceleration Force	(N)	40	60	81
Accel. Current	(A rms)	2.5	2.5	2.5
Shaft Diameter	(mm)	16	16	16
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	80	110	140
Forcer Weight	(kg)	0.15	0.2	0.3
Air Gap	(mm)	0.50	0.50	0.50



Dimension Guide



Hall Effect Specs



Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red

The bending radius of the sensor cable should be R 27.6mm (wire diameter 4.4 * 6) as suggested by the wire manufacturer. This radius should be maintained. Attach the proper high flex cable as required by your application.

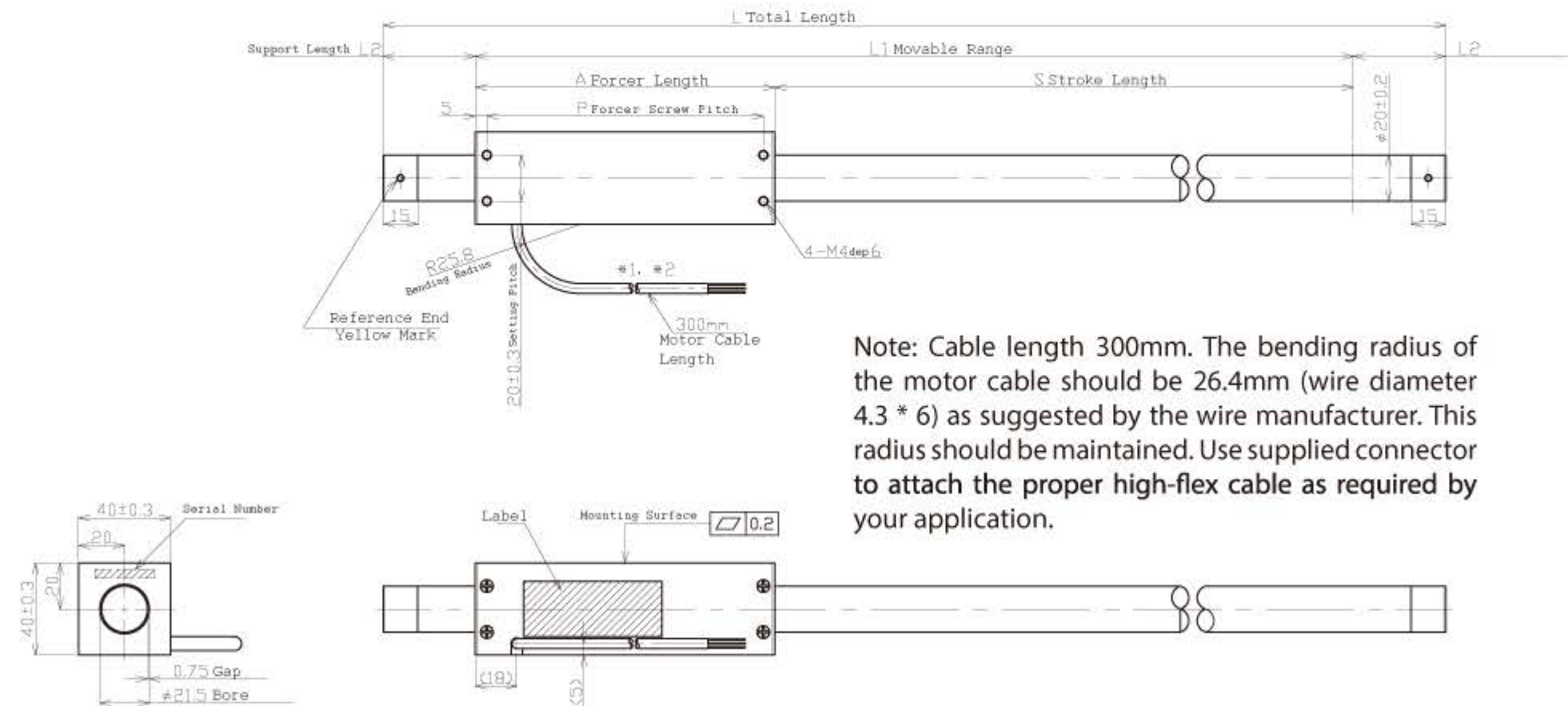
S200 series

Spec

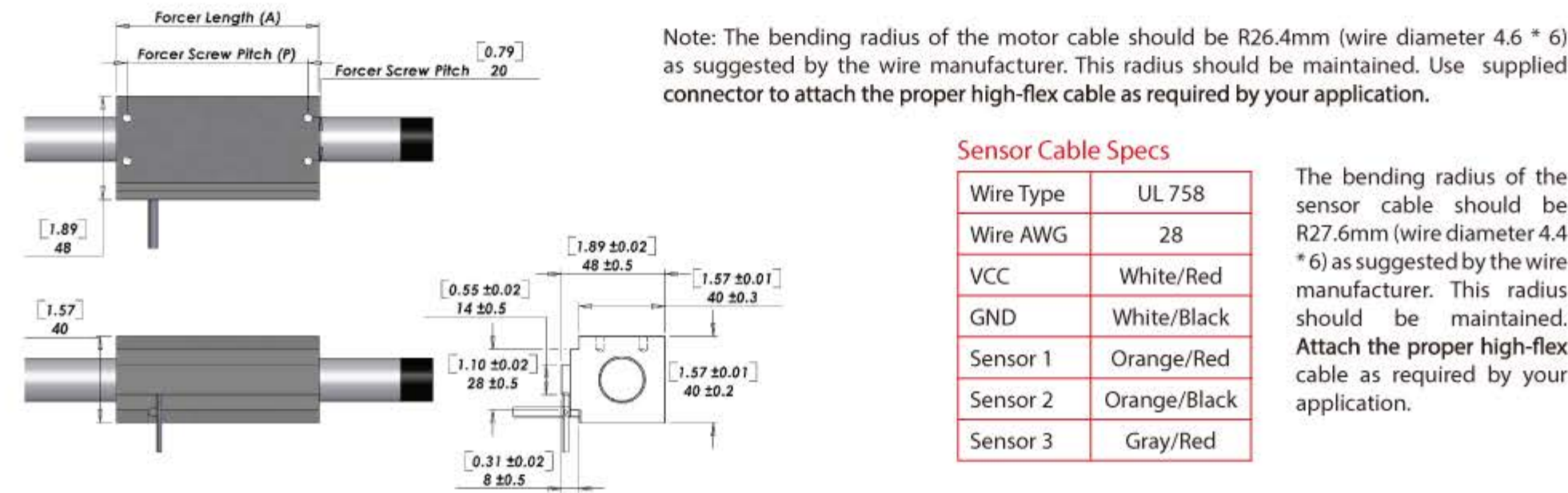
		S200D	S200T	S200Q
Continuous Force	(N)	18	28	38
Continuous Current	(A rms)	0.6	0.6	0.6
Acceleration Force	(N)	72	112	152
Accel. Current	(A rms)	2.4	2.4	2.4
Shaft Diameter	(mm)	20	20	20
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	94	130	166
Forcer Weight	(kg)	0.3	0.5	0.7
Air Gap	(mm)	0.75	0.75	0.75



Dimension Guide



Hall Effect Specs



S250 series

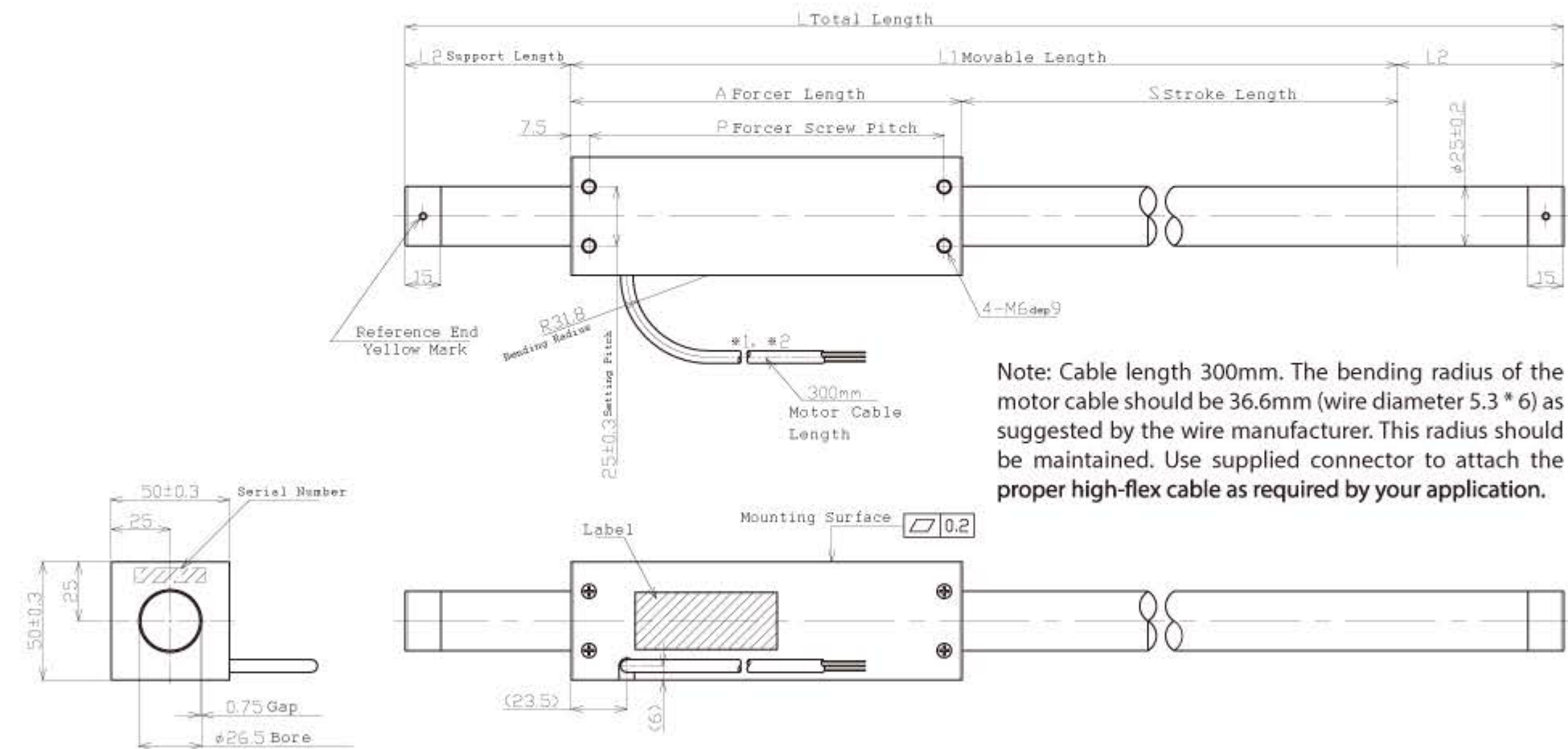
Standard Models

Spec

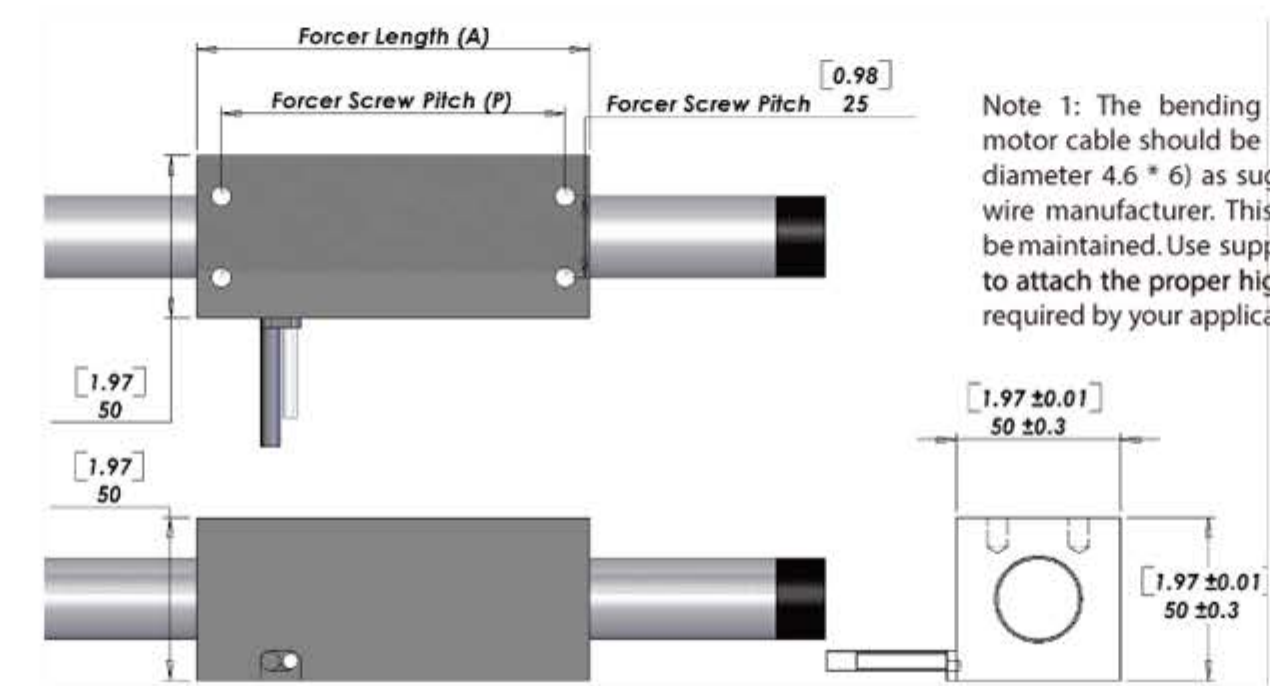
		S250D	S250T	S250Q
Continuous Force	(N)	40	60	75
Continuous Current	(A rms)	1.3	1.3	1.3
Acceleration Force	(N)	160	240	300
Accel. Current	(A rms)	5.1	5.1	5.1
Shaft Diameter	(mm)	25	25	25
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	120	165	210
Forcer Weight	(kg)	0.8	1.1	1.5
Air Gap	(mm)	0.75	0.75	0.75



Dimension Guide



Hall Effect Specs



Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red

The bending radius of the sensor cable should be R27.6mm (wire diameter 6.1 * 6) as suggested by the wire manufacturer. This radius should be maintained. Attach the proper high-flex cable as required by your application.

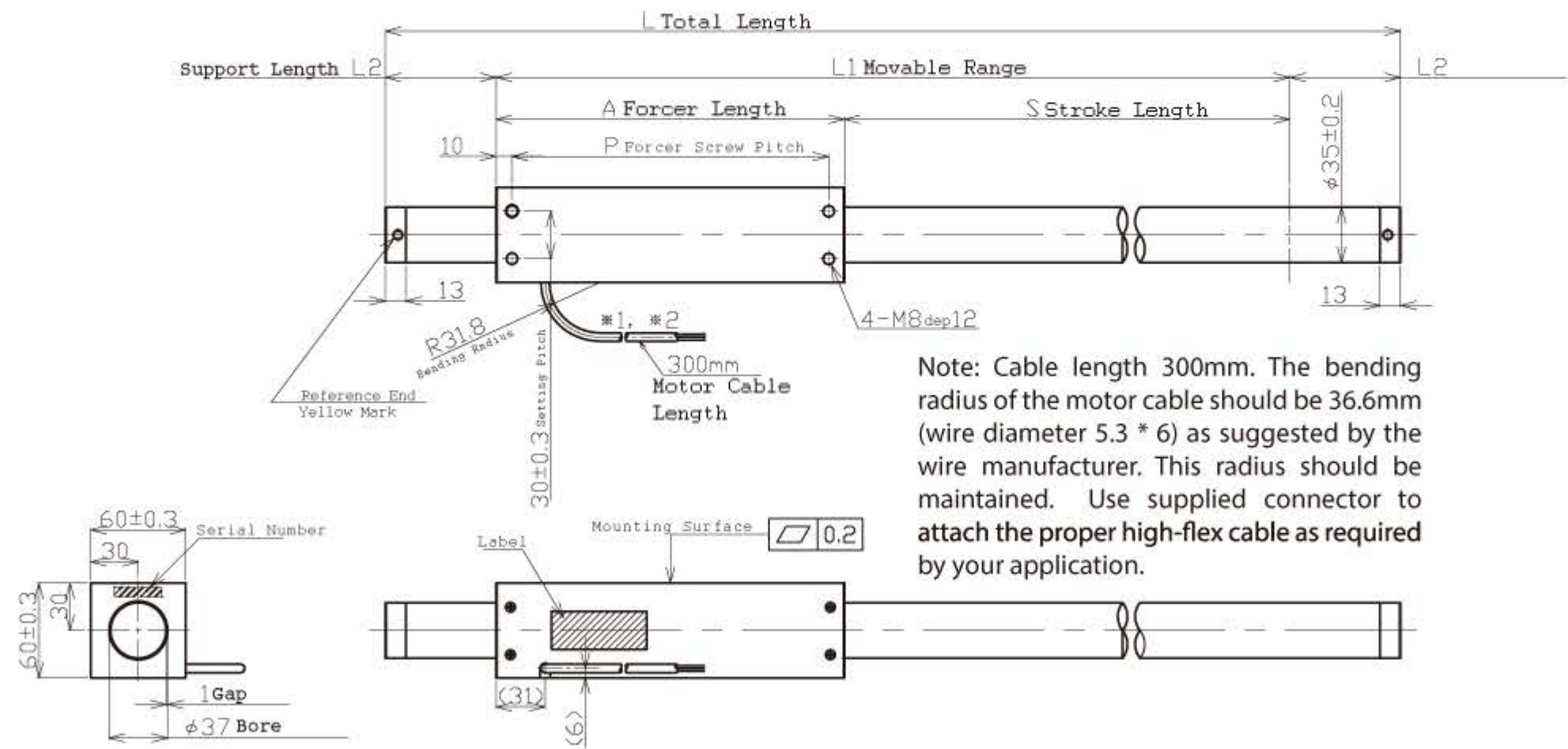
S350 series

Spec

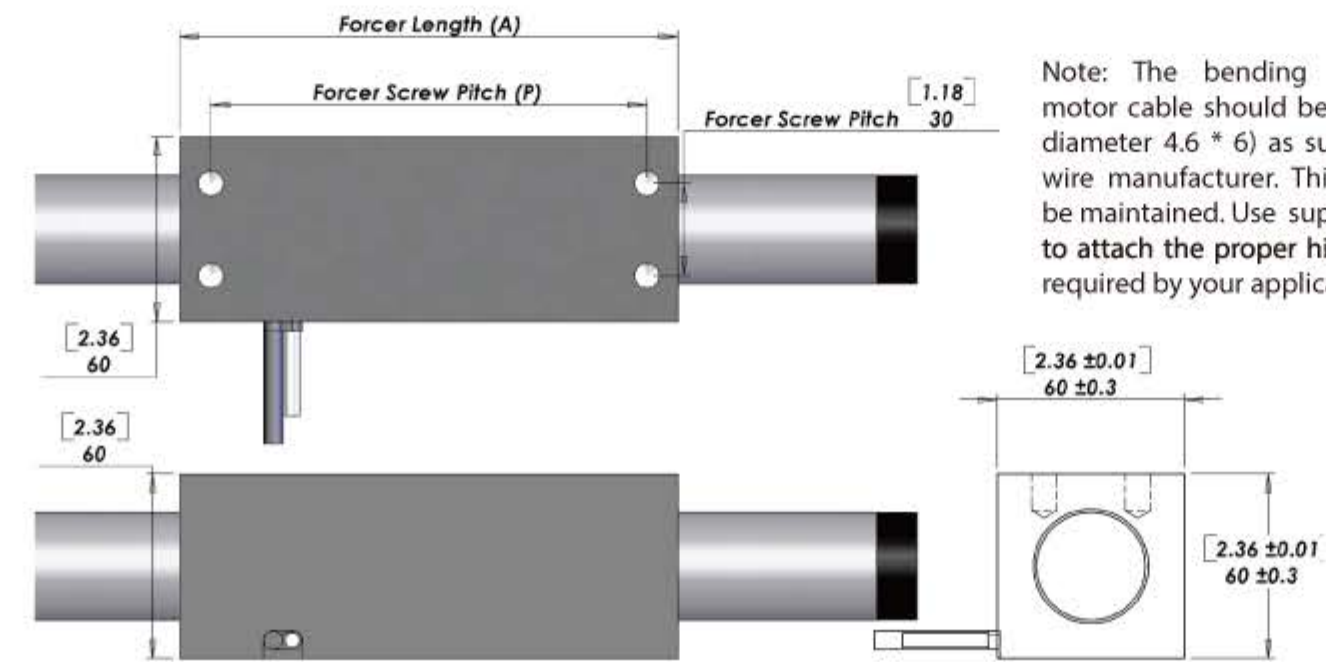
		S350D	S350T	S350Q
Continuous Force	(N)	104	148	190
Continuous Current	(A rms)	1.5	1.5	2.7
Acceleration Force	(N)	416	592	760
Accel. Current	(A rms)	6.0	6.0	10.8
Shaft Diameter	(mm)	32	32	32
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	160	220	280
Forcer Weight	(kg)	1.3	1.9	2.4
Air Gap	(mm)	1.00	1.00	1.00



Dimension Guide



Hall Effect Specs



Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red

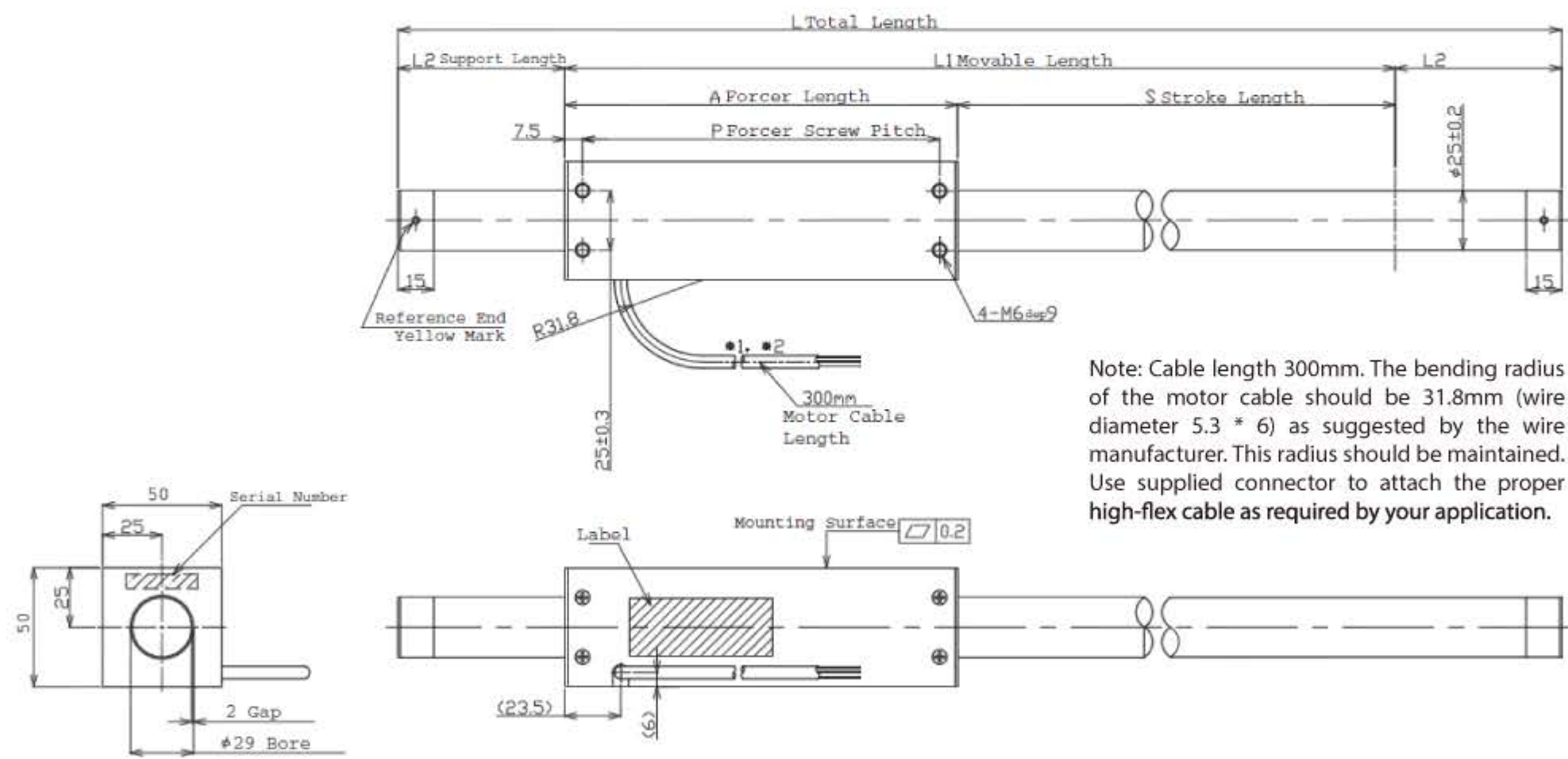
The bending radius of the sensor cable should be R27.6mm (wire diameter 6.1 * 6) as suggested by the wire manufacturer. This radius should be maintained. Attach the proper high-flex cable as required by your application.

L250 series

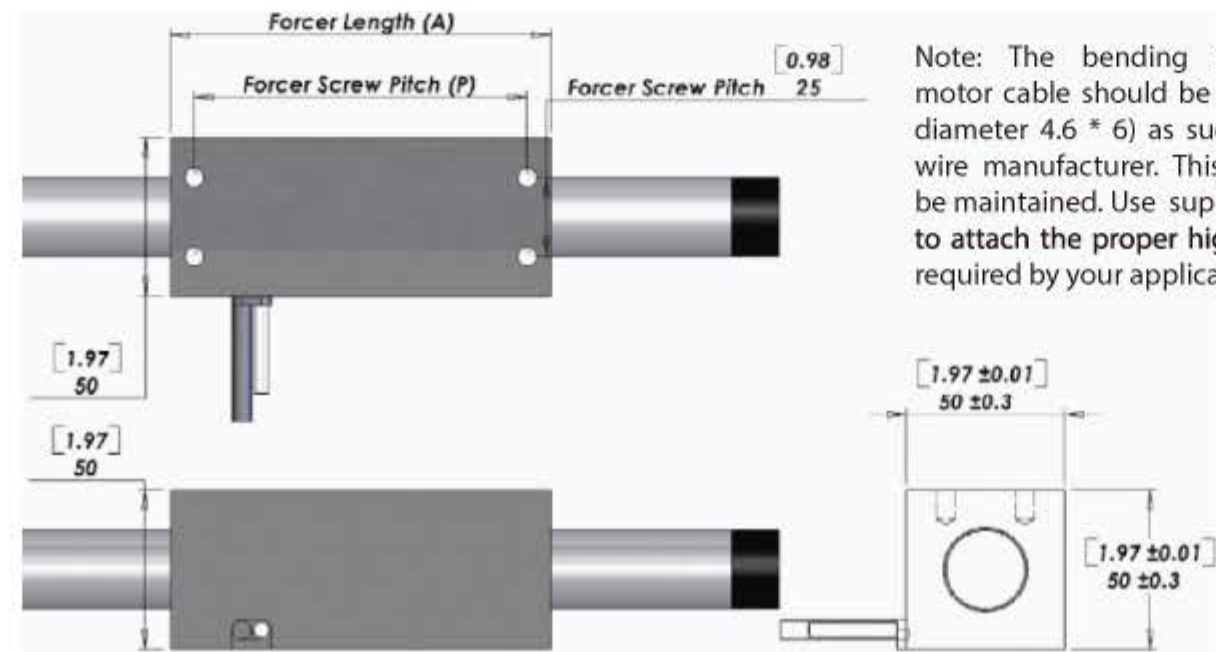


Model Number		L250D	L250T	L250Q
Continuous Force	(N)	34	52	69
Continuous Current	(A rms)	1.3	1.3	1.3
Acceleration Force	(N)	138	207	276
Accel. Current	(A rms)	5.2	5.2	5.2
Shaft Diameter	(mm)	25	25	25
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	120	165	210
Forcer Weight	(kg)	0.77	1.1	1.5
Air Gap	(mm)	2.00	2.00	2.00

Dimension Guide



Hall Effect Specs



Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red

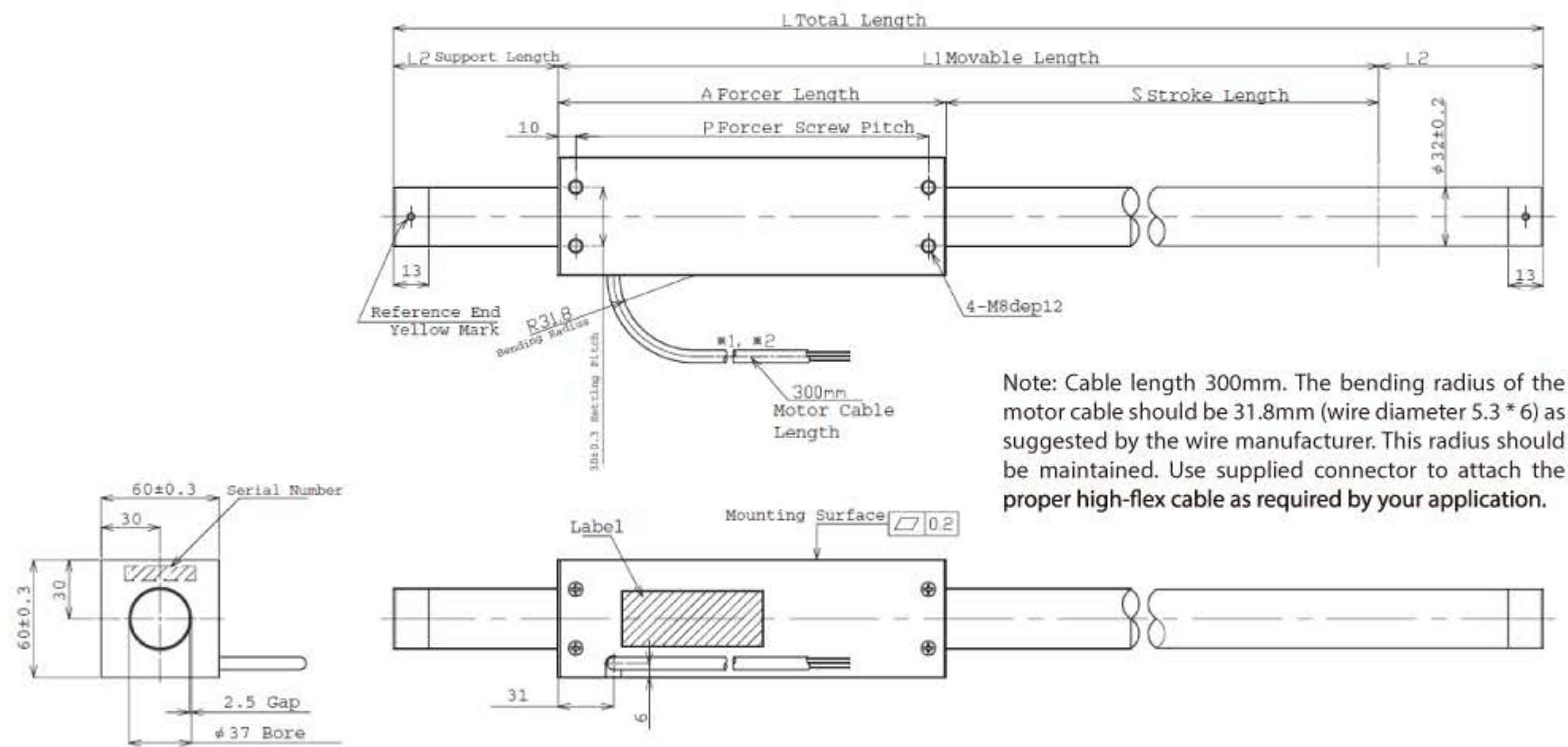
The bending radius of the sensor cable should be R27.6mm (wire diameter 6.1 * 6) as suggested by the wire manufacturer. This radius should be maintained. Attach the proper high flex cable as required by your application.

L320 series

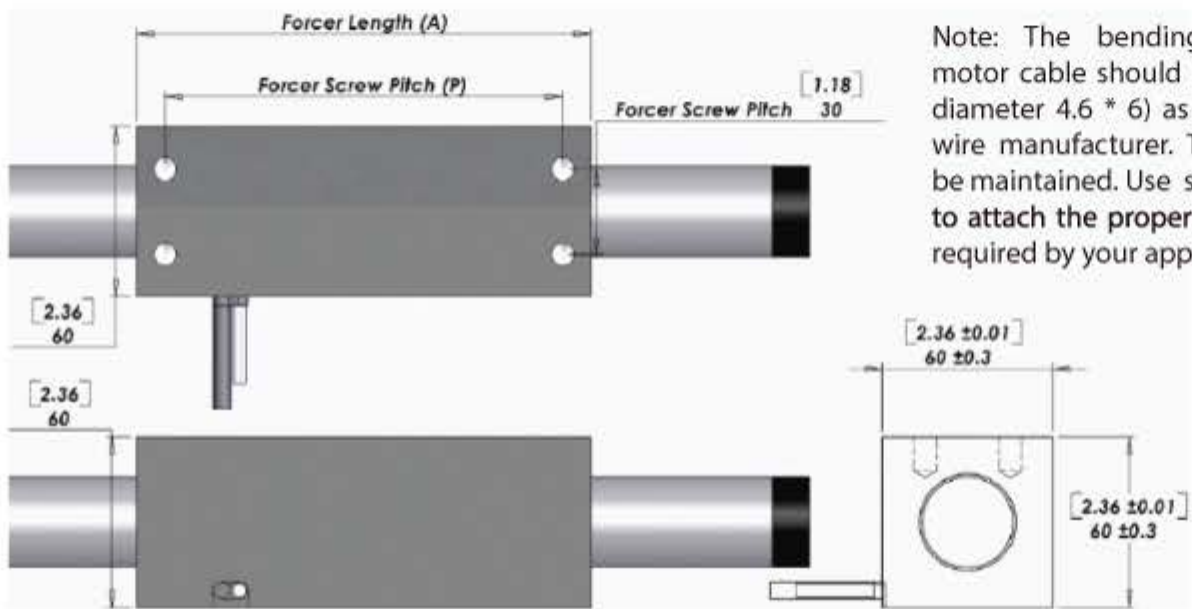
Model Number		L320D	L320T	L320Q
Continuous Force	(N)	55	82	109
Continuous Current	(A rms)	1.3	1.3	1.3
Acceleration Force	(N)	218	327	436
Accel. Current	(A rms)	5.0	5.0	5.0
Shaft Diameter		32	32	32
Forcer Size	(mm)	Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	160	220	280
Forcer Weight	(kg)	1.3	1.9	2.6
Air Gap	(mm)	2.50	2.50	2.50



Dimension Guide



Hall Effect Specs



Sensor Cable Specs

Wire Type	UL 758
Wire AWG	28
VCC	White/Red
GND	White/Black
Sensor 1	Orange/Red
Sensor 2	Orange/Black
Sensor 3	Gray/Red

The bending radius of the sensor cable should be R27.6mm (wire diameter 5.3 * 6) as suggested by the wire manufacturer. This radius should be maintained. Attach the proper high flex cable as required by your application.

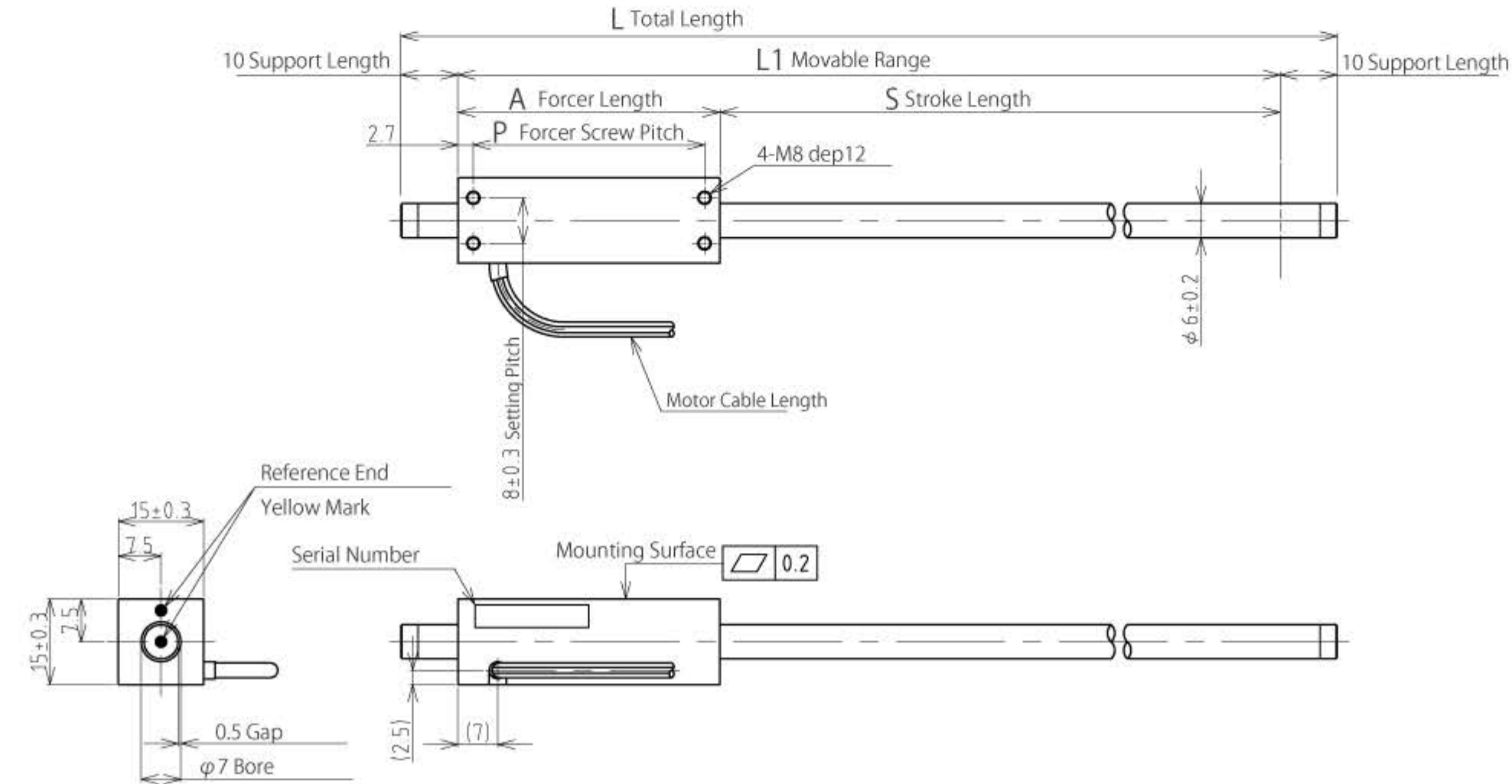
SX060 series

Spec

		SX060D	SX060T	SX060Q
Continuous Force	(N)	1.0	1.5	2.1
Continuous Current	(A rms)	0.5	0.5	0.5
Acceleration Force	(N)	4.1	6.2	8.3
Accel. Current	(A rms)	2.1	2.1	2.1
Shaft Diameter	(mm)	6	6	6
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	34	46	58
Forcer Weight	(kg)	0.023	0.030	0.036
Air Gap	(mm)	0.5	0.5	0.5



Dimension Guide



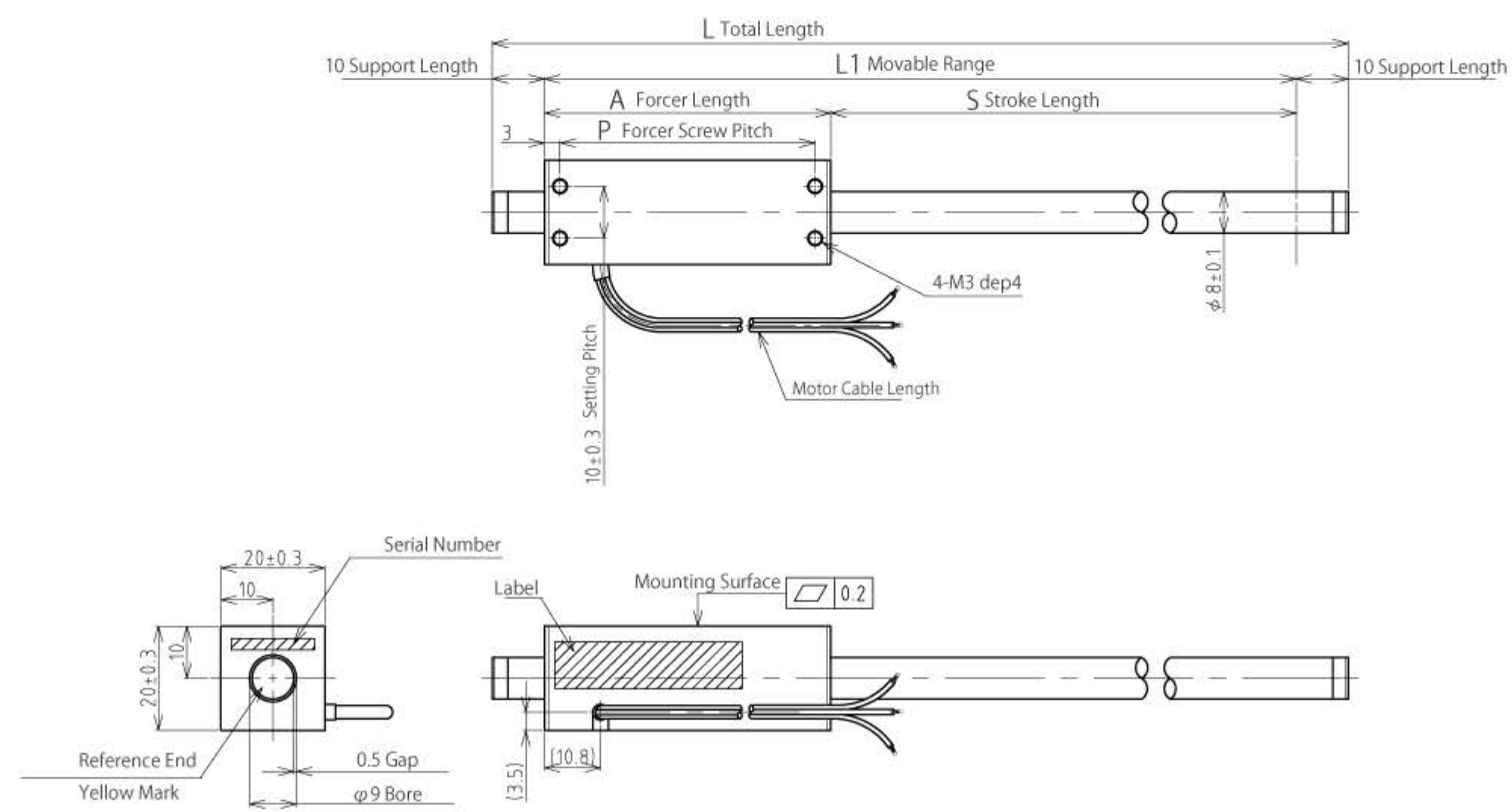
SX080 series

Spec

		SX080D	SX080T	SX080Q
Continuous Force	(N)	2.1	3.1	4.1
Continuous Current	(A rms)	0.8	0.8	0.8
Acceleration Force	(N)	8.3	12	16
Accel. Current	(A rms)	3.4	3.4	3.4
Shaft Diameter	(mm)	8	8	8
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	40	55	70
Forcer Weight	(kg)	0.050	0.054	0.072
Air Gap	(mm)	0.5	0.5	0.5



Dimension Guide



SX100 series

Spec

		SX100D	SX100T	SX100Q
Continuous Force	(N)	3.9	5.8	7.8
Continuous Current	(A rms)	0.5	0.5	0.5
Acceleration Force	(N)	16	23	31
Accel. Current	(A rms)	1.8	1.8	1.8
Shaft Diameter	(mm)	10	10	10
Forcer Size		Double windings	Triple Windings	Quadruple Windings
Forcer Length	(mm)	48	66	84
Forcer Weight	(kg)	0.048	0.065	0.082
Air Gap	(mm)	0.5	0.5	0.5



Dimension Guide

