

# Global Motion Technology Inc

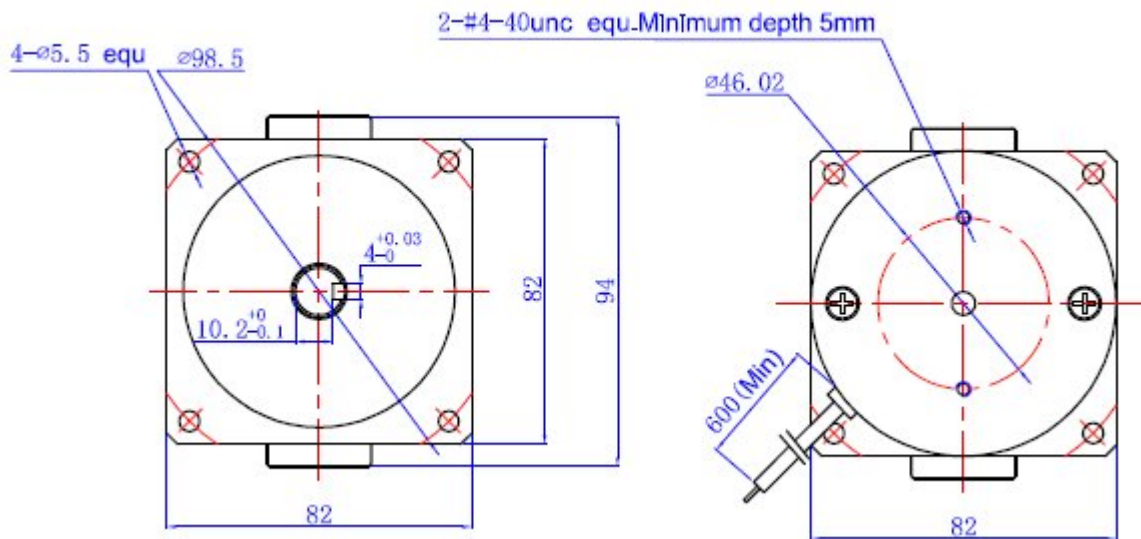
[www.motiontek.ca](http://www.motiontek.ca)

## SM341100 DC Servo Motor

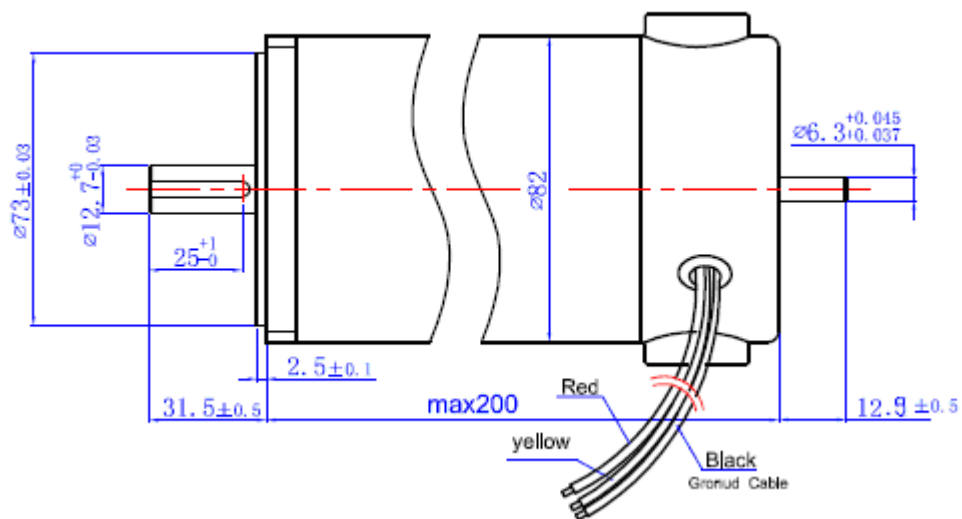
Drawing in Metric each 1 inch = 25.4 mm

Front

Back



Side



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## DC Servo Motor Specification

<b>Frame Size</b>	Nema34
<b>Constant Torque</b>	225 oz/in – 1.6 N.M
<b>Peak Torque</b>	1100 oz/in – 8.0 N.M
<b>Continuous Current</b>	6.6 Amp
<b>Peak Current</b>	40 Amp
<b>Maximum Speed</b>	3100 RPM $\pm 10\%$ at 90V 1750 RPM $\pm 10\%$ at 50V
<b>Resistance</b>	0.408 ohm
<b>Inductance</b>	3.185 mh
<b>Terminal Voltage</b>	90 VDC
<b>Front shaft diameter/length</b>	1/2"/1.14"
<b>Encoder Shaft diameter/length</b>	1/4"/0.507"

## Encoder Optional Encoder Specification

Encoder Type Optical, 5 Pins Single-Ended, 500 CPR or 1000 CPR with Latching connector & optional latching cable 5 pins.

