

# Data sheet

## Primo™ LTS (length tool setter)



[www.renishaw.com/primolts](http://www.renishaw.com/primolts)

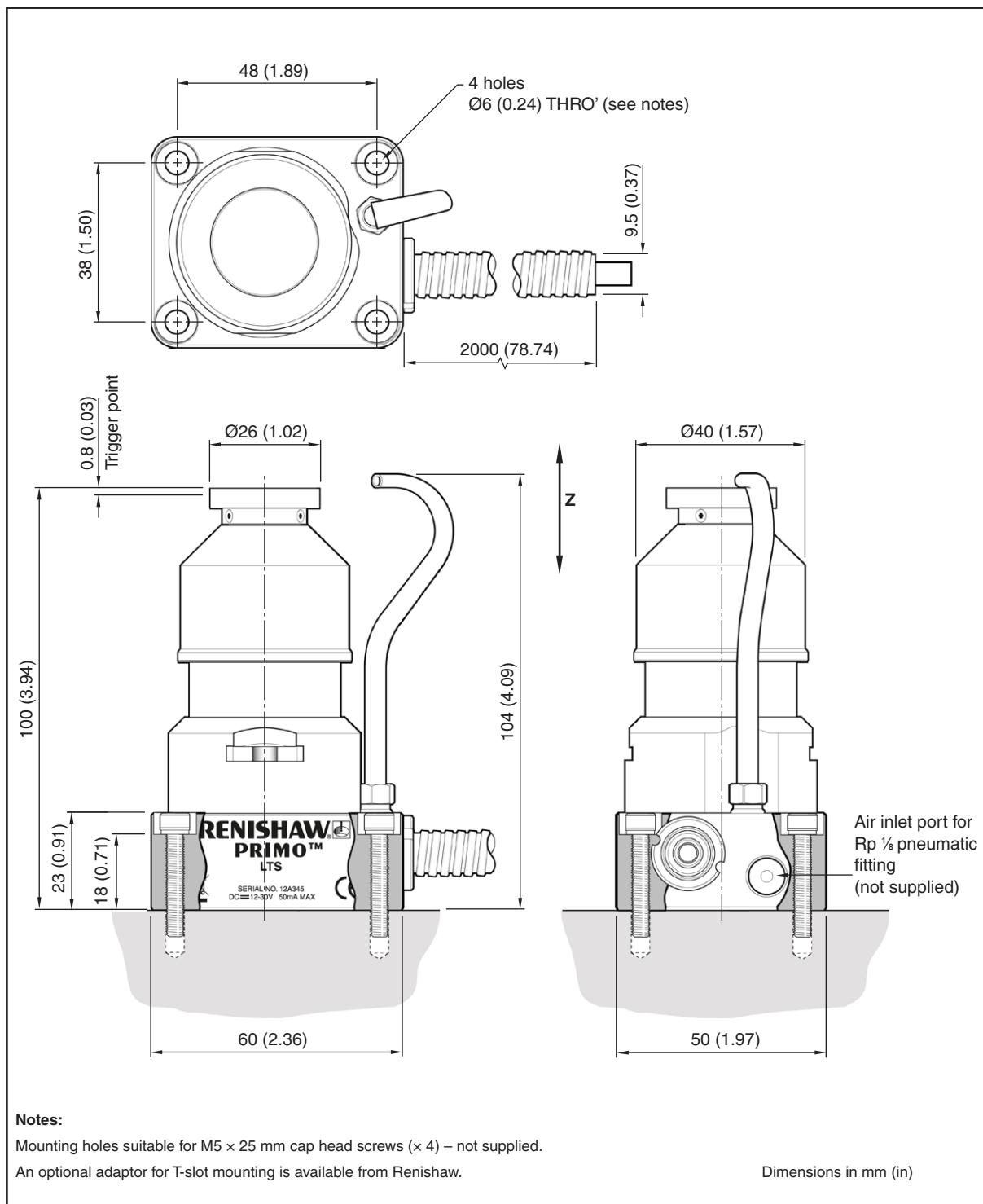
### Specification

<b>Principal application</b>	Tool length setting, broken tool detection and thermal compensation on all sizes of CNC machines.	
<b>Tool compatibility</b>	Static cutting tools down to Ø0.1 mm (Ø0.004 in).	
<b>Dimensions</b>	Height Width Depth Contact pad	100 mm (3.93 in) nominal 60 mm (2.36 in) 50 mm (1.96 in) Ø26 mm (1.02 in)
<b>Weight</b>	Including cable and conduit	726 g (25.61 oz)
		835 g (29.45 oz) – raised air blast
<b>Transmission type</b>	Hard-wired	
<b>Interface</b>	Integrated interface 12 to 30 Vdc capable of supplying 50 mA minimum.	
<b>Cable</b>	Specification	Ø5 mm (0.2 in), 7-core screened cable, each core 7 x 0.1 mm
	Length	8 m (26.24 ft)
	Dynamic bend radius	35 mm (1.38 in) minimum
<b>Sense directions</b>	+Z axis	
<b>Repeatability</b>	0.75 µm (30 µin) 2σ	
<b>Contact pad trigger force</b>	3 N / 306 gf (10.79 ozf) Z direction	
<b>Trigger position (from rest)</b>	Z axis	0.8 mm (0.03 in) nominal
<b>Overtravel switch position (from rest)</b>	Z axis	7.5 mm (0.29 in) nominal
<b>Hard stop position (from rest)</b>	Z axis	12 mm (0.47 in) nominal
<b>Mounting</b>	M5 x 25 mm cap head screws (x 4) – not supplied	
<b>Environment</b>	IP rating	IPX6, IPX8 (EN/IEC 60529)
	Storage temperature	-25 °C to +70 °C (-13 °F to +158 °F)
	Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)

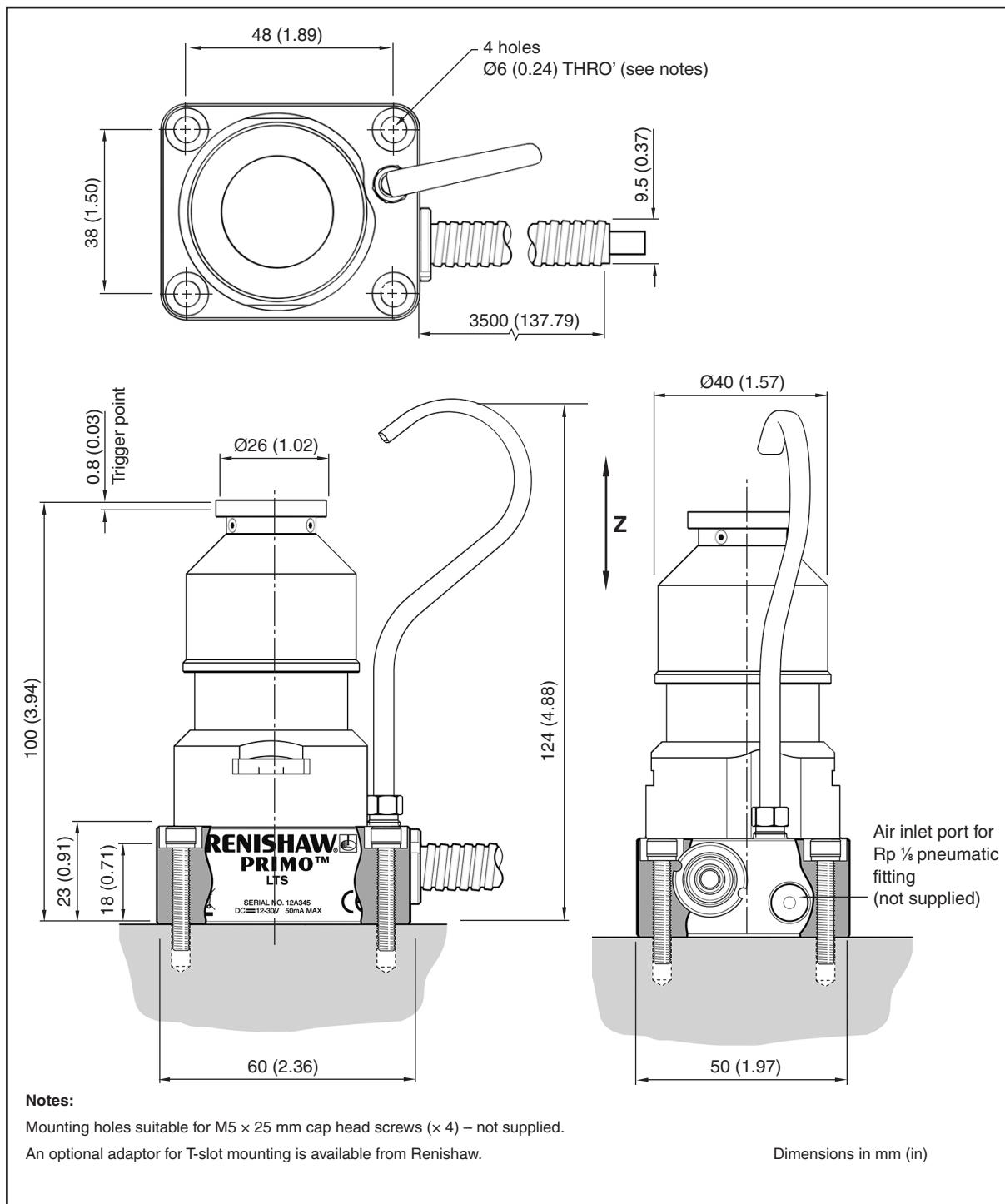
LTS application software is available for download from [www.renishaw.com/primodownloads](http://www.renishaw.com/primodownloads).

For further information and the best possible application and performance support please contact Renishaw or visit [www.renishaw.com/primolts](http://www.renishaw.com/primolts)

## Primo LTS dimensions



**Primo LTS dimensions (raised air blast)**



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