

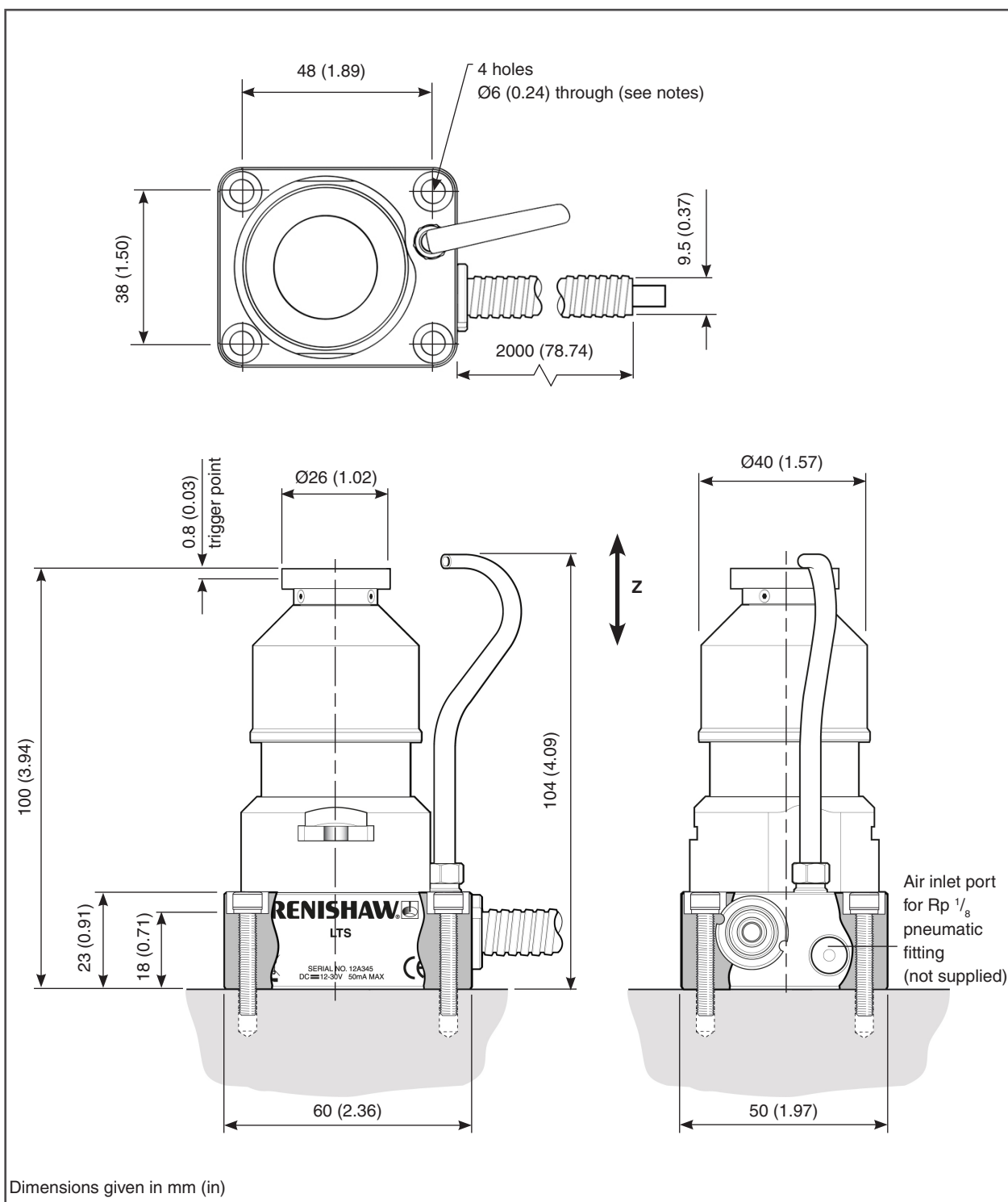
LTS (length tool setter)



Specification

Principal application	Tool length setting, broken tool detection and thermal compensation on all sizes of CNC machines.	
Tool compatibility	Static cutting tools down to Ø0.1 mm (Ø0.004 in).	
Dimensions	Height	100 mm (3.93 in) nominal
	Width	60 mm (2.36 in)
	Depth	50 mm (1.96 in)
	Contact pad	Ø26 mm (1.02 in)
Weight	Including cable and conduit	726 g (25.61 oz)
		835 g (29.45 oz) – raised air blast
Transmission type	Hard-wired	
Interface	Integrated interface 12 to 30 Vdc capable of supplying 50 mA minimum.	
Cable	Specification	Ø5 mm (0.2 in), 7-core screened cable, each core 7 × 0.1 mm
	Length	8 m (26.24 ft)
	Dynamic bend radius	35 mm (1.38 in) minimum
Sense directions	+Z axis	
Repeatability	0.75 µm (30 µin) 2σ	
Trigger force	3 N / 306 gf (10.79 ozf) Z direction	
Trigger position (from rest)	Z axis	0.8 mm (0.03 in) nominal
Overtravel switch position (from rest)	Z axis	7.5 mm (0.29 in) nominal
Hard stop position (from rest)	Z axis	12 mm (0.47 in) nominal
Mounting	M5 × 25 mm cap head screws (× 4) – (not supplied)	
Environment	IP rating	IPX6, IPX8, BS EN 60529:1992+A2:2013
	Storage temperature	–25 °C to +70 °C (–13 °F to +158 °F)
	Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)
	Indoor/outdoor use	Indoor use
	Altitude	≤ 3000 m (9843 ft)
	Relative humidity	5% to 95%
	Wet location	Yes, water/oil/coolant
	Pollution degree	Level 2

LTS dimensions

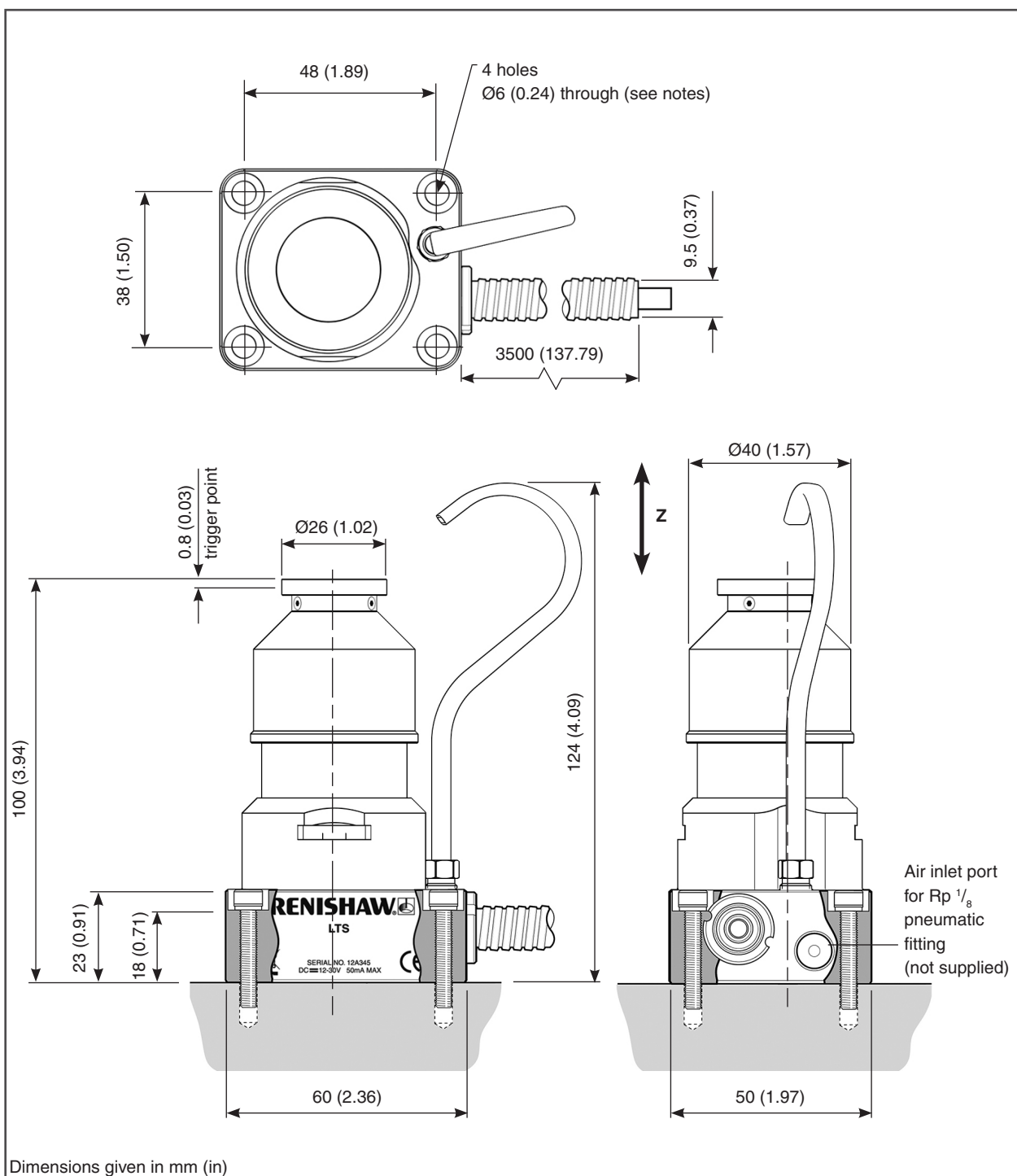


NOTES:

Mounting holes suitable for M5 × 25 mm cap head screws (× 4) – not supplied.

An optional adaptor for T-slot mounting is available from Renishaw.

LTS dimensions (raised air blast)



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Mounting holes suitable for M5 × 25 mm cap head screws (× 4) – not supplied.

An optional adaptor for T-slot mounting is available from Renishaw.

Spare parts and accessories

A full range of spare parts and accessories is available. Contact Renishaw for a full list.

www.renishaw.com/contact



#renishaw



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