

ACS-1 advanced calibration sphere



Specification

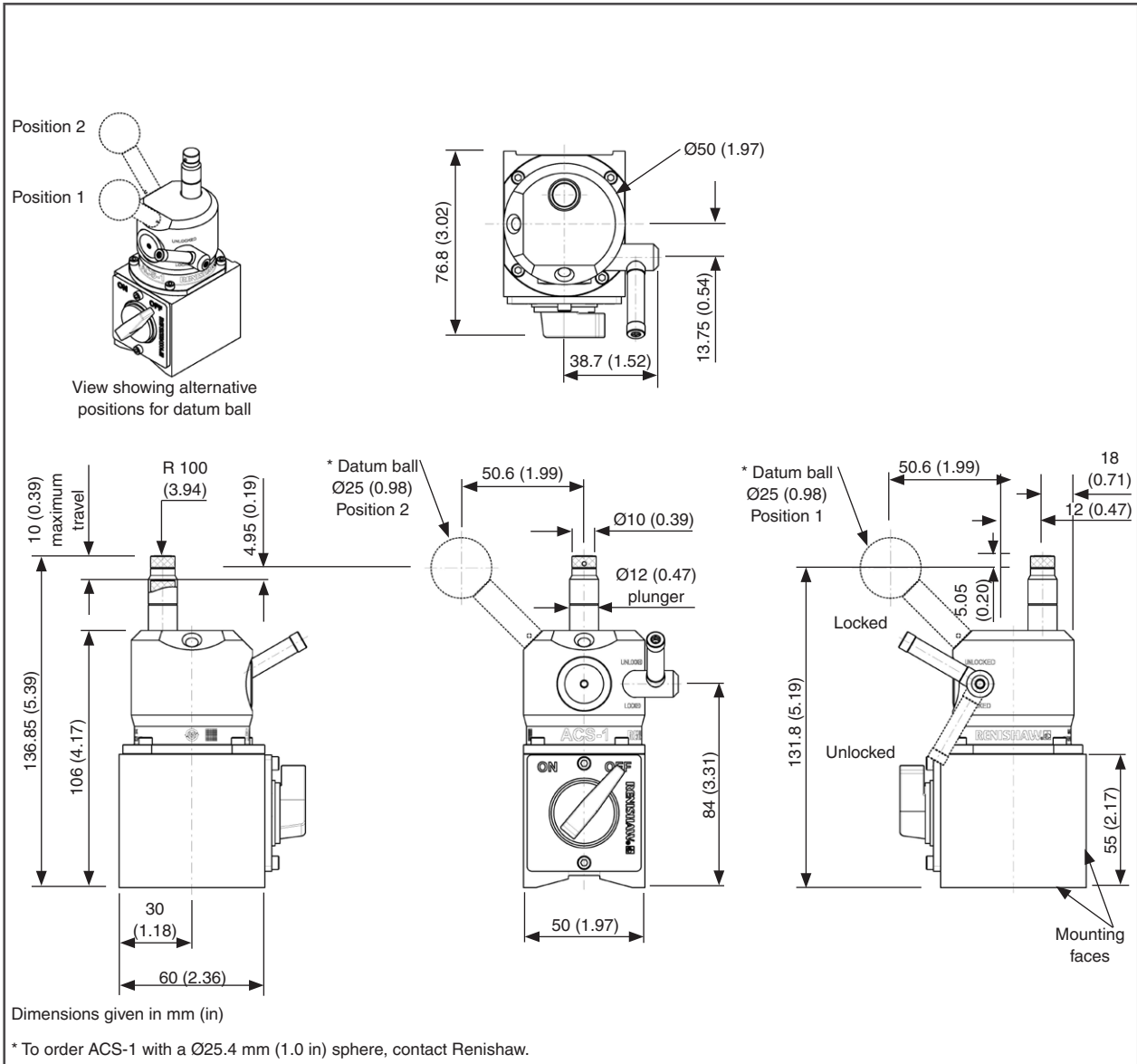
Principal application		The lockable calibration disk provides a datum surface for accurate probe length calibration. The datum sphere is used to accurately calibrate the probe's stylus ball diameter.
Maximum travel		10 mm (0.39 in)
Movement when locking		The datum surface will move by no more than 1 µm (39 µin) typically (3 µm (118 µin) maximum) when the locking mechanism is engaged.
Maximum load on the plunger (when locked)		15 N, 1529 gf (53.95 ozf). CAUTION: Do not apply a load of greater than 15 N, 1529 gf (53.95 ozf) to the datum surface when it is locked.
Maximum life expectancy		10,000 operations
Weight		1832 g (64.62 oz) typical
Mounting		Horizontal or vertical surface of the magnetic base.
Environment	Storage condition	Not to be stored inside the machine.
	Storage temperature	-25 °C to +70 °C (-13 °F to +158 °F)
	Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)



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ACS-1 dimensions



Spare parts and accessories

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



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