

APCA-45H tool setting probe

This addendum serves to support the introduction of the APCA-45H high force kinematic tool setting probe and should be read in conjunction with the *APCA-45 tool setting probe* installation and user's guide (Renishaw part no. H-6596-8500).

The APCA-45H tool setting probe is a version of the standard APCA-45 tool setting probe that has a higher spring force which gives greater resistance to machine vibration.



Specification

Unidirectional repeatability	2.50 μm (98 μin) 2σ (see note 2)	
Stylus trigger force (see note 1)	XY plane (low force)	1.47 N, 149.90 gf (5.29 ozf)
	XY plane (high force)	2.72 N, 277.36 gf (9.78 ozf)
	+Z direction	30.00 N, 3059 gf (107.91 ozf)
Stylus overtravel limits	$\pm X/\pm Y$	5 mm (0.20 in)
	Z	5 mm (0.20 in)

Note 1 Using a 60 mm stylus.

Note 2 Performance specification is tested at a standard test velocity of 480 mm/min (18.9 in/min). Significantly higher velocity is possible depending on application requirements.

Parts list

Type	Part number	Description
APCA-45H	A-6596-0005	APCA-45H system, dual air with APCA-45 installation and user's guide, addendum and packaging.
Publications. This can be downloaded from our website at www.renishaw.com .		
APCA-45	H-6596-8500	Installation and user's guide for APCA-45.

