

## 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

<b>Unidirectional repeatability</b>	2.50 $\mu$ m (98 $\mu$ in) $2\sigma$ (see note 2)	
<b>Stylus trigger force</b> (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)
<b>Stylus overtravel limits</b>	$\pm X/\pm Y$	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.
<b>Publications.</b> This can be downloaded from our website at <a href="http://www.renishaw.com">www.renishaw.com</a> .		
APCA-45	H-6596-8500	Installation and user's guide for APCA-45.

