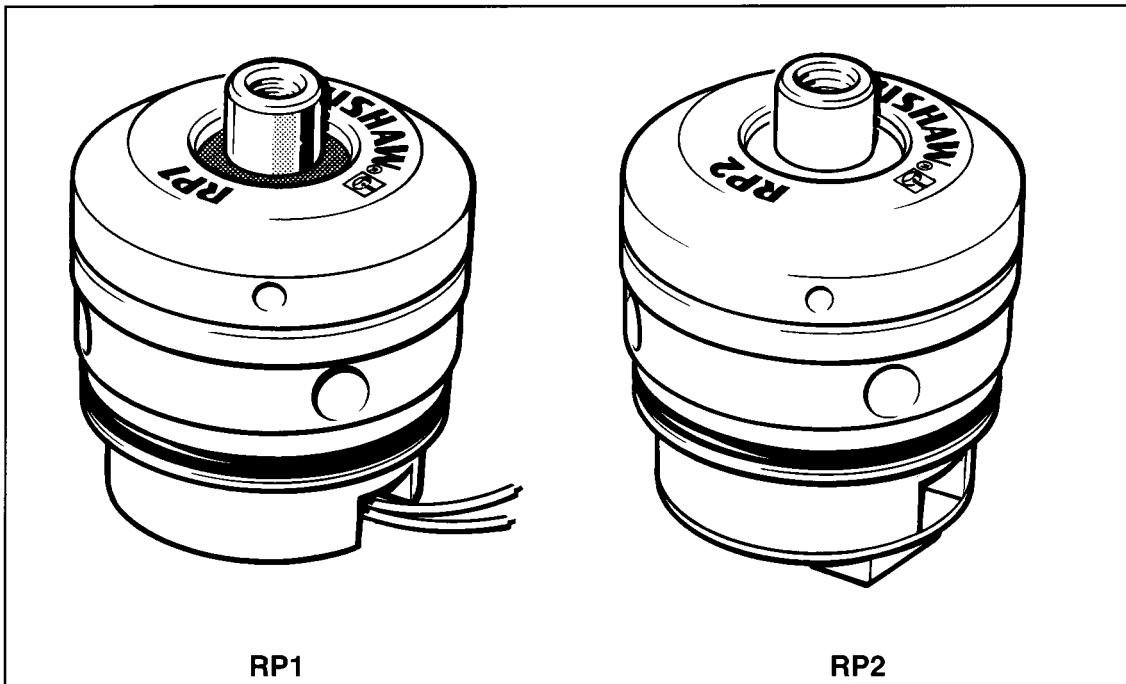


# RP1 & RP2

## Toolsetting / Inspection Probes



The **RP1 and RP2 Probes** are suitable for OEM installation into purpose built holders, or for use with Renishaw's automatic or manual toolsetting arms.

The **RP1** has a 300mm two wire output suitable for OEM installation.

The **RP2** is designed for use in Renishaw's Toolsetting Arm (TSA), and is supplied with a micro plug and socket.

Both RP1 and RP2 Probes can be used for toolsetting, workpiece setup and inspection.

The probes are extremely short with the performance of traditional Renishaw touch trigger probes.

Both probes are available as double diaphragm versions for use in grinding environments (RP1DD and RP2DD).

The RP1 and RP2 utilise a universal M4 stylus mounting allowing the full range of Renishaw styli to be used.

The RP1 and RP2 should be used in conjunction with the Renishaw MI8 hardwired machine interface. Alternatively the Renishaw inductive system can be used.

# RENISHAW

## Data Sheet





## Specification

Primary application	Toolsetting
Sense directions	5-way
Repeatability (2 $\sigma$ )	1.0 $\mu$ m (with a 35mm (1.38in) stylus at 480mm/min)
Stylus overtravel: X	12.5°
Y	12.5°
Z	4mm (0.157in)
Stylus trigger force: XY	125g (4.4oz) max in high force direction 70g (2.5oz) min in low force direction
Z	610g (21.5oz)

## PARTS LIST Please quote the Part No. when ordering equipment

TYPE	PART NO.	DESCRIPTION
RP1	A-2154-0007	Toolsetting/Inspection Probe and Tool kit
RP1 DD	A-2154-0008	RP1 Double diaphragm version and Tool kit
RP2	A-2116-0149	Probe for Toolsetting Arm (TSA)
RP2DD	A-2116-0150	RP2 Double diaphragm version

## Associated publications

MI 8 Data Sheet	H-2000-2191
Inductive System Data Sheet	H-2000-2140
Toolsetting Arm (TSA) Data Sheet	H-2000-2008
Machine Tool Styli Brochure	H-1000-3200

Renishaw reserves the right to change specifications without notice.

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