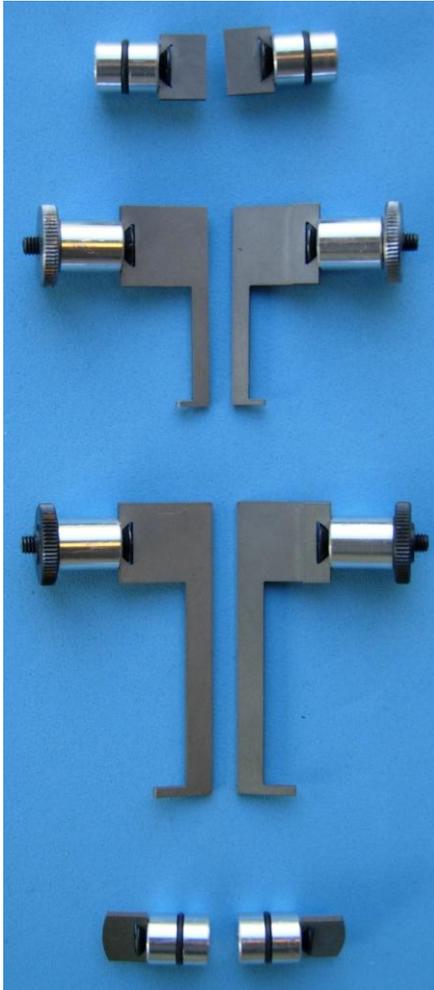


MEASURING GROOVES & RECESSES WITH FMS INSERTS

Groove and recess diameters and depths can be measured with FMS accessories. External and internal. Internal diameters from 5mm/0.2".

Special inserts can be made to your specifications and normal delivery time is max 3 weeks from date of order. Most standard items are in stock.

Below are standard groove and recess inserts:



Top to bottom:

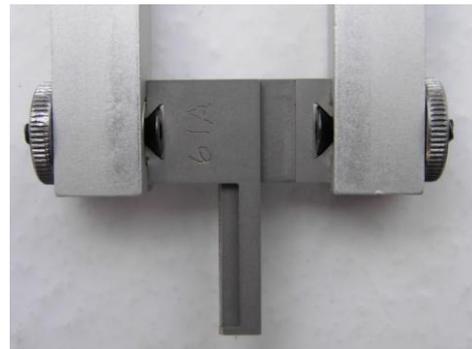
60A for external grooves to a depth of 5mm/0.2"

61A for for internal grooves to a depth of 2.5mm/0.1" and a min hole diameter of 5mm/0.2"

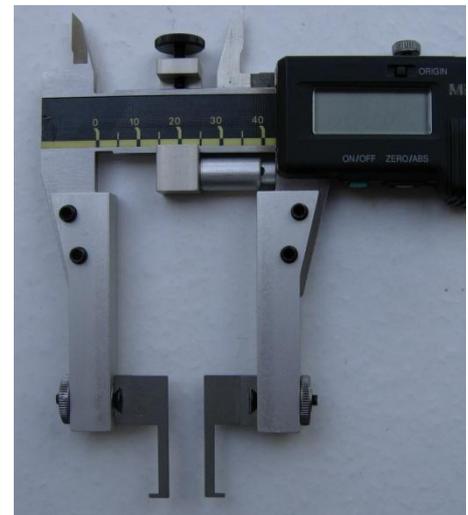
61B for for internal grooves to a depth of 5mm/0.2" and a min hole diameter of 10mm/0.4"

61C for for internal grooves to a depth of 5mm/0.2" and a min hole diameter of 32mm/1.25"

The following pictures show a caliper mounted with insert holders and a caliper pressure device. The pressure device is optional but recommended as excessive pressure will give very varying measurement results the further the distance is from the caliper meam. The mounted insert is type 61A.



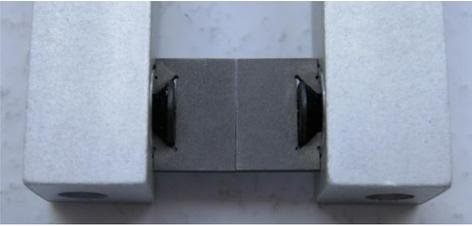
In this position the inserts (61A) can be inserted into a 5mm/0.2" hole.



As with all internal measuring equipment a reference component is necessary. Of course, as a digital caliper is the basis then the diameter that can be measured depends on the caliper length.



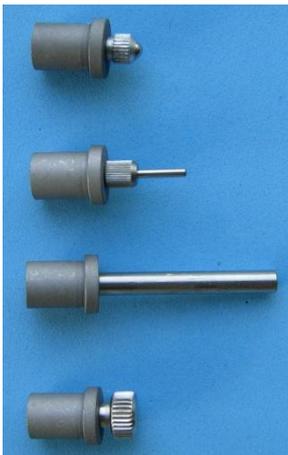
Mounted insert type 61C shown above.



Mounted insert type 60A shown above and below.

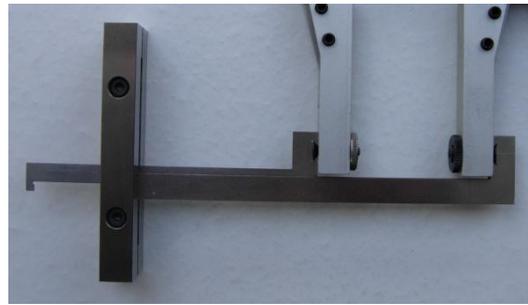
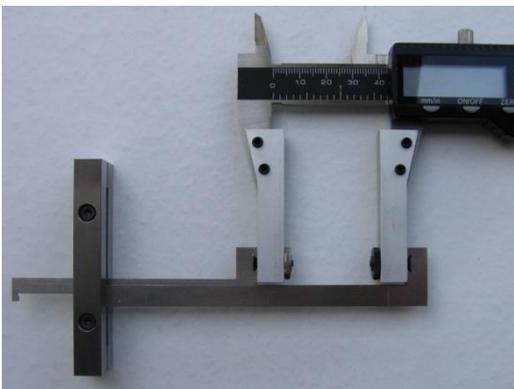


If FMS M2.5 threaded bushes are used with indicator probes (shown below) then perhaps only imagination will set the limit?

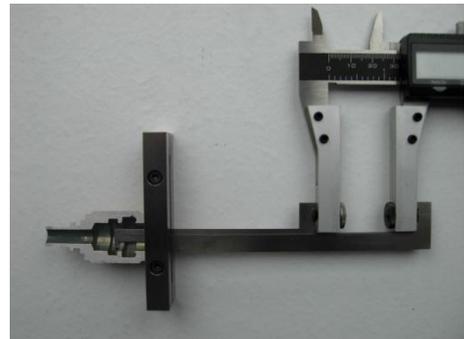


Groove & recess depth measurement

The caliper accessories shown in the next pictures can measure groove and recess depth either from the front or back of the groove or recess.



The depth rod shown can enter a 10mm/0.4" hole and one for a 5mm/0.2" hole is available.



Inserts can be made to order. The ones shown below can be zeroed (0.00) at the center of the shape, thus giving the distance from the end surface to the center of the groove shape.

