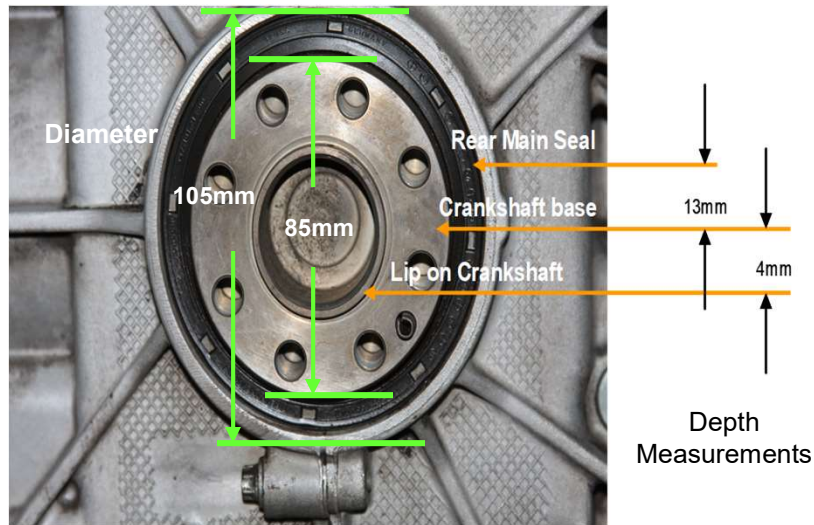


RMS Tool



This was originally posted by Shark Attack (primarily rennlist.com), but I think it is important to duplicate the info in case it gets lost. The original thread is here with many edits and updates by Shark and myself. Shark used wood stops but I later went in and used a pvc insert as a stop (and ultimately a flat cap).

http://reutterwerk.c_ead.php?t=18315

"... I am rebuilding my custom RMS tool based on Kyle's design.

...Basically, the business end of the 3" PVC coupler has an outside diameter of 100mm and an inside diameter of 89mm. 3" PVC pipe has an outside diameter of 3.5" (approx 89mm).

The key here is you need a COUPLER, not a section of pipe. The part shown in Kyles picture is a PVC coupler that reduces from 3" down to 2" (but again those are pipe size measurements).

Hope the above makes sense. 🙄

This works out perfectly for the seal which is 85mm x 105mm.

It works exceedingly well. Trust me I've used it many times!

I'm reworking my tool because I want to use M10 bolts to draw the seal in this time instead of tapping it in gently with a mallot.

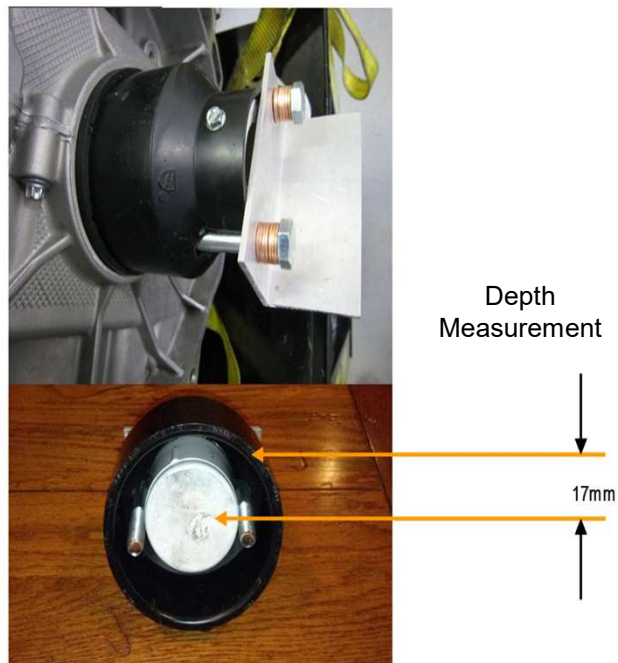
EDIT 12/19/12: for my install last winter I reworked the tool. The inner stop is 14mm from the outer edge of the PVC coupler (thus stopping the RMS from going in further once the stop hits the crank nose), inserting the RMS to the correct depth.

Also I reworked the tool a little bit.

The stop became a flat PVC pipe cap on the end of a piece of 2" pvc pipe that goes into the couple instead of the open piece you see. Shark's wooden solution would work great too!

Added bolts to draw the RMS in instead of using a mallot. The bolts are M10x100mmx1.0. Any length that is long enough would work fine and you can just adjust the final length using some washers like I did.

Same specs as above, just added the two bolts that thread into the crankshaft flywheel threads. Worked great! Here is a pic of what that looks like."



logray

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Renntech.org

This is the one I built



17mm

This is a 3" PVC cap with a screw-on lid. Screw in the lid inside out to match the dimensions indicated here. You can grind the PVC to the required dimensions if you need to. Put some glue on it so that the adjustments remain permanent

Drill the guide holes to match the crankshaft mounting screws (you only need two)