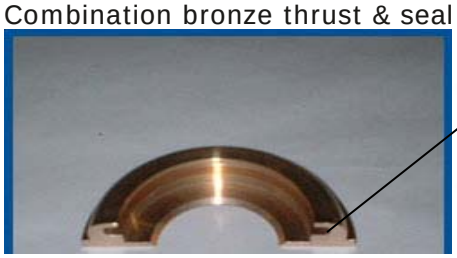
Combination bronze thrust & seal shown below:





Oil collection groove

This thrust washer is installed under the combo seal (in the rear main cap) to provide a full circle thrust. The combo seal/thrust is held in place by the rear cap and being fixed, it prevents the floating ½ thrust washer from rotating.



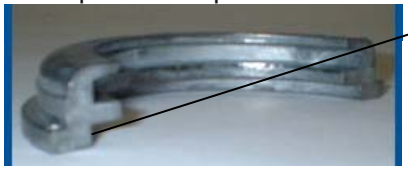
Machining of rear cap to accept ½ thrust washer using a rotary table on a vertical mill. Note hollow dowels for cap alignment that are used on all three main caps.





The oil is held closer to the thrust surface and at any rpm some of the oil thrown to the seal area (groove) will come back down to the thrust surface. The multi piece system has a void between the outer perimeter of the thrust washer and the aluminum seal that allows the oil to drop to the cap without being drawn back to the thrust area.

Multi piece components shown below:





Void @ aluminum seal provides a quick path out for oil when used with a single thrust mounted to the block.

Two washers are used with the original seal for a full circle thrust