

## The Transfer of Premium Racing Technology

The new MAHLE Motorsport range of bearings contains technology that has been transferred from MAHLE's F1 bearing technology. All bearings in our motorsport range are identified by laser marking rather than stamping which maximizes the efficiency of heat transfer from the bearing into the housing.



Laser marking on a new bearing  
(Main bearing for BMW Mini Cooper S 1.6L)

## Benefits of Laser Marking

The cheapest method of identifying a bearing is by stamping. For motorsport applications where higher temperatures are experienced, the effectiveness of heat transfer into the housing should not be compromised. If the stamping is heavy and extends quite far round the bearing causing poor back contact then the efficiency of heat transfer will be reduced.

Laser marking is an alternative method which creates smaller, more consistent marking which does not distort the backing and as such does not disrupt the back contact and subsequent heat transfer.



Used bearing shows how heavy stamping disrupts the back contact



Used bearing shows how laser marking does not interfere with the back contact