

SHAFT AND BEARING REMOVAL AND REPLACEMENT REPORT

You are required to produce a report that covers the removal and replacement of a rolling element bearing from a shaft using the hydraulic press. You must start by producing a method statement covering all aspects of the work, this will include details of all the equipment, tools required.

You are also required to produce a meaningful risk assessment where you need to consider all the hazards that you may encounter, and how they translate into risks associated with the bearing removal/replacement and using the bearing press, and control measures you intend to use to manage the risks.

The information you need to gather for your report must include all of the following areas:-

- Title & date.
- Your name & group number.
- Size and material of the shaft.
- Size and type of bearing.
- Interference size fit.
- The pressure required to remove and remount the bearing.
- Report on any problems encountered during the disassembly and the re-assembly.

The report can include any photographs taken of the setup at different stages of the work,

Finally, if you are in any doubts about any of the requirements of this exercise please ask, also note you do not commit to using the press until it has been checked by the T.O. and please build this into a control measure for your risk assessment.