

Di Acro No3 training document:

Warning: The training provided for this tool is provided by amateurs. While the instructor will make every effort to accurately present the safe use of the DiAcro No3 Bender, they may be unfamiliar with some risks and dangers of using the tool. Further, your trainer will not be able to anticipate all potential risks. For example, the tools may break in such a way that present novel risks, not present at the time of training, or you may use the tools in an unanticipated manner that presents novel risks.

Warning: The person providing training on this tool is not an expert. They have some experience using the tool, and can describe some of the risks associated with using the DiAcro No3 Bender, however, you must always be aware that they may not have the experience or training to accurately identify all the risks associated with use of this tool. Further, the person providing this training, has no formal experience in providing training. Their explanations may not be as clear as those of a certified trainer. It is your responsibility to ensure that you understand all the points raised by your trainer.

Warning: It is your responsibility as a user to critically examine any operation you wish to perform and assess for yourself the risks involved. By using tools at Pumping Station: One you assume responsibility for ensuring that you are familiar with the safe operating procedures for those tools. If you are uncomfortable with your knowledge of the tool operations, or have not used the tool for an extended period it is your responsibility to either re-take the training, or find an experienced user to help you use the tool safely.

Warning: the maintenance for the DiAcro No3 Bender is provided by amateurs, and may not be performed frequently or correctly. It is your responsibility to examine the tools prior to every use and ensure that they are operating correctly. If the tools are not operating correctly, do not use them. If you do note some of the tools operating incorrectly, please contact the area host or tool owner so that the tools can be repaired. Please also make a best effort to notify other users, so that no-one

Tool Specific Dangers:

- pinch points: The DiAcro No3 Bender uses leverage to bend metal bars. If you get your fingers in the mechanism, they can get crushed or nipped off. Always ensure that NO ONE has body parts near the tool when operating.
- flying metal: The DiAcro No3 Bender uses leverage to generate high forces. The bending dies and the workpieces may fracture or slip, sending metal fragments airborne.

Warning: The listed dangers here are not exhaustive: it is your responsibility to assess each operation you perform at the DiAcro No3 Bender to determine any safety risks it may present, and take appropriate steps to mitigate those risks.

Required Personal Protective Equipment (PPE):

- safety glasses: protect against airborne metal fragments that may be ejected from the tools
- closed toed shoes

Recommended PPE:

- long pants/sleeved shirt: protect against airborne metal fragments. It is unlikely that any fragments will cause serious injury to exposed skin, however, covering exposed skin with heavy cloth like denim or leather, will add additional insurance in the event the tools do fracture and eject metal shards.

Appropriate attire:

- closed toed shoes: when working with metal, dropped pieces can injure exposed toes

Operations shown:

- mounting dies
- simple bending

Prohibited operations:

- bending bars thicker than  $\frac{3}{4}$  inch

Note: Operations not explicitly prohibited in this document may be performed at the user's risk. It is recommended that the user contact the area host or tool owner prior to performing unusual operations with the tool in order to get feedback on the proposed operation.

Supplemental information:

- blog showing use of a similar (slightly smaller) DiAcro No2 bender in action

<http://oxtool.blogspot.com/2012/12/>