



**Atholl Munday  
Training Centre**

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## Skills programmes and Short courses

**Ball and Roller Bearings - Duration: 2 days**

1. List the specific uses for the various types of bearings.
2. Fit and remove a deep groove ball bearing.
3. Fit and remove cylindrical roller bearings.
4. Heat, fit and remove a bearing.
5. Fit and remove angular contact bearings.
6. Fit and remove tapered bore bearings. (2 methods)
7. Fit and remove bearings into housings. (2 types)
8. Fit a bearing onto a shaft and into housing.
9. Fit and remove two bearings into housing.
10. Fit bearings for a live lathe centre.

**Laser Alignment- Duration: 2 days**

- Written and practical tests
- Criteria as presented in the SAQA unit standard.
- Lecture Room and Workshop facilities
- Each participant will retain all course notes.
- **Entry requirements\***: 'Competence with DTI alignment (Dial test indicator)'

**Valves - Duration: 2 days**

1. Fundamental principles of industrial valves (Video)
2. Identification - Needle, Butterfly, Globe, Ball, Gate, Plug, Diaphragm and Non-return valves.
3. Important maintenance aspects that effect successful operation of industrial valves.
4. Practical tasks.
5. Test.

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