Element 29.3 to 29.6: Assessment

**MIG 101 Alignment Rig**

Make a sketch of the assembly.

Make a note of any spare parts you think you may need.

What PPE did you require for this task?

What risks were there, and what action did you take prior to completing the job to mitigate them (this means to reduce the risks).

Illustrate and explain the steps that you took to align the two shafts including angular, parallel, side to side and the 2mm gap.

Make some notes on why it is important that shafts are aligned when they are rigidly coupled together.

What is the ‘rule of thumb’ on the accuracy required to align two shafts (remember you should always check the manufacturers guidelines for specific requirements).

Comment on how power could be transmitted between two shafts if accurate alignment cannot be achieved.