**Design & Technology**

**AQA A-Level** Logo

Description automatically generated with low confidence

**Ease of manufacture**

**Materials required for questions**

* Pencil
* Rubber
* Calculator

**Instructions**

* Use black ink or ball-point pen
* Try answer all questions
* Use the space provided to answer questions
* Calculators can be used if necessary
* For the multiple choice questions, circle your answer

**Advice**

* Marks for each question are in brackets
* Read each question fully
* Try to answer every question
* Don’t spend too much time on one question

**Good luck!**

**Q1.** XX?

**A** X

**B** X

**C** X

**Q2.** XX?

**A** X

**B** X

**C** X

**Q3.** XX?

**A** X

**B** X

**C** X

**Q4.** XX?

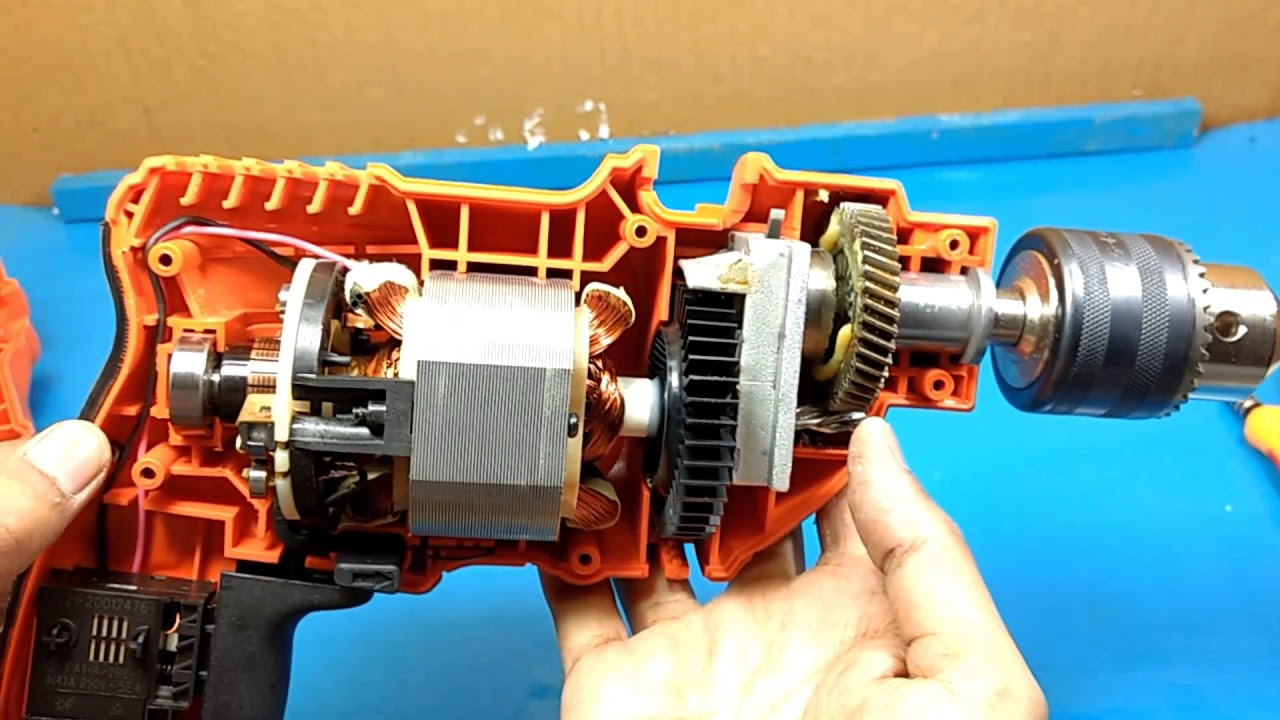
**A** X

**B** X

**C** X

**Q6.** State the function of each of the features below **(2 marks)**

Moulded boss



Rib

Moulded boss

Rib

**Answers**

**Q1**. X

**Q2**. X

**Q3**. X

**Q4**. X

**Q5**. X

**Q6**. X

**Q7**. X

**Q8**. X

**Q6**.

Moulded boss

* To help locate two halves of an injection moulded casing.
* To allow a ‘self-tapping’ screw to be used to secure two halves of an injection moulding casing together.

Rib

* To provide strength and rigidity to an injection moulded casing.
* To reduce the volume of plastic needed by allowing for a thinner wall thickness

**Q10.**

**Q11.**