

THREADS AND LOCKING DEVICES

Write Up Paper

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NB: Answer all questions and use sketches where applicable.

1. What are the three steps to thread identification? 3 marks

a)

b)

c)

2. What is the difference between British Standard and Unified Threads? 2 marks

3. How is the difference identified on bolts? 1 mark

4. Make a sketch of a Metric Screw Thread. Show the Minor/Major and Effective diameters and the included angle of the thread. 4 marks

5. What do the following stand for, and what is the included angle of each? 6 marks

BSW

UNF

BA

6. Sketch a BUTTRESS, ACME and SQUARE thread forms. 6 marks

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11. Sketch and describe two types of pins used in engineering.

4 marks