

FITTINGS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

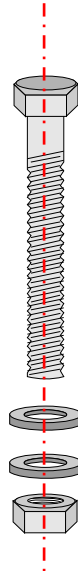
The 'Fittings Exercise' can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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FITTINGS AND FIXINGS

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1. Machine bolts can be used to join two steel tubes together. Complete the drawing below by sketching two machine bolts in position.



2. Is this type of joint permanent or temporary? Explain your answer.

3. Name and sketch a vital tool you would need to tighten the nuts and bolts when joining the two tubes.

NAME: _____

4. It has been decided to use wing nuts instead of the hexagonal nuts. Draw a wing nut in the space below.

WING NUT SKETCH

What is an advantage of using wing nuts?

What is a disadvantage of using wing nuts?

5. Over time nuts and bolts sometimes become rusty and are difficult to disassemble. How would you solve this problem?

Common nuts and bolts are manufactured from steel that can become rusty. What metal / combination of metals can be used to ensure that rust is not a problem?
