

NUTS AND BOLTS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

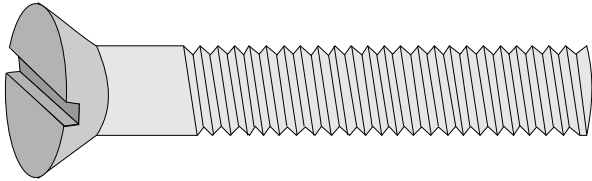
The 'Nuts and Bolts Exercise' can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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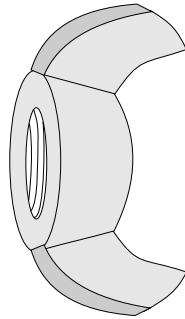
TYPES OF BOLTS

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MACHINE SCREW - COUNTERSUNK HEAD



WING NUT

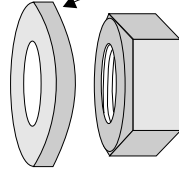
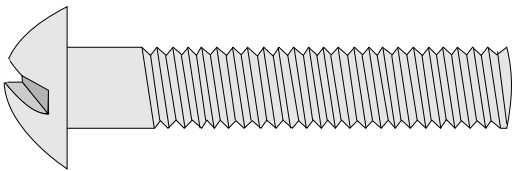


1. The bolt seen opposite is a Countersunk Head Machine Bolt. A wing nut is used in place of a typical nut. Give one advantage and disadvantage of using a wing nut.

ADVANTAGE: _____

DISADVANTAGE: _____

MACHINE SCREW - ROUND HEAD



PLAIN WASHER

2. The Round Head Machine Screw seen opposite has a washer. Why are washers often required with machine screws?

Pan Head Screw, Spring Washer and Nut

3. In the space opposite, draw a Pan Head machine screw with a spring washer and nut.