

PULLEY SYSTEMS - AN INTRODUCTION

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On behalf of The World Association of Technology Teachers

W.A.T.T.



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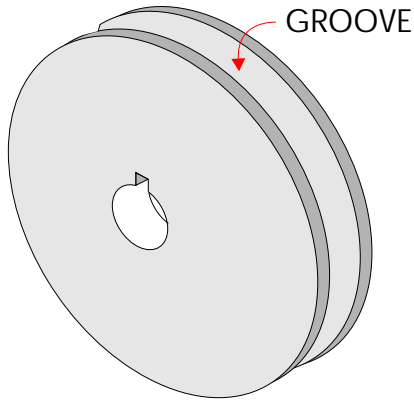
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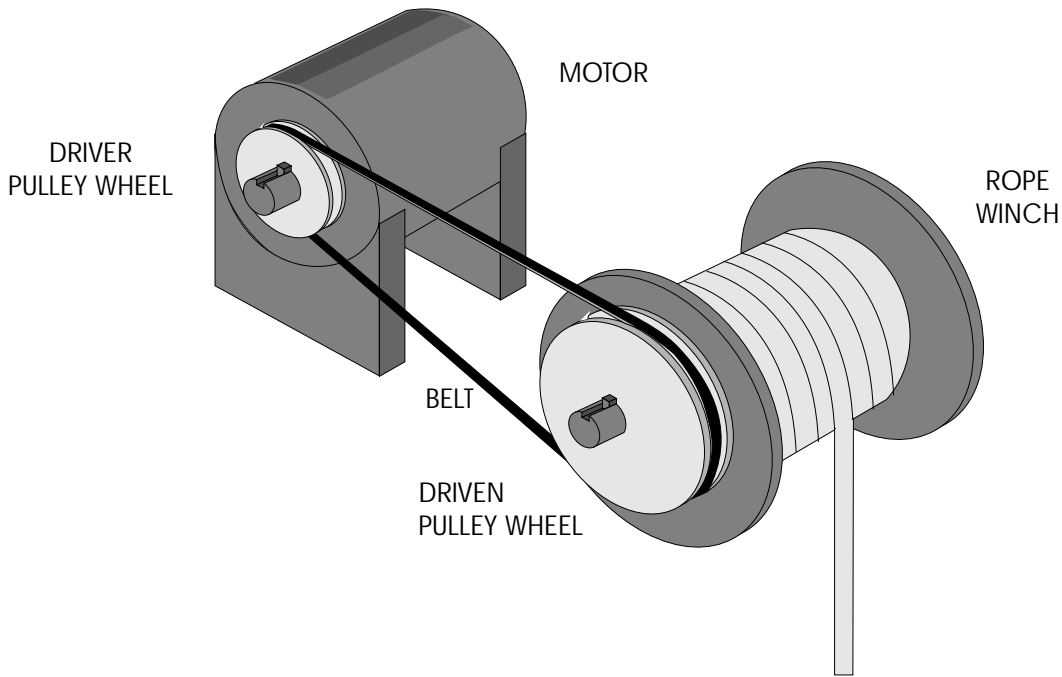
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1. What type of motion do pulley systems transmit between each pulley?



2. The diagram opposite shows a typical pulley wheel. Why do pulley wheels have a groove?

3. The diagram below shows two pulley wheels connected with a belt. In order for the pulley system to work, the belt is 'pulled' tight between the pulley wheels. What would happen if the belt was 'slack' (not tight)?



4. Pulley systems work due to 'friction'. What is friction and why is it an essential feature of pulley systems?

5. Study the diagram of the pulley system shown above. Why is the small pulley wheel known as the DRIVER?
