

## Sections 4.2.1 and 4.2.2

Chain falls are not fast, but they are reliable and can lift a significant amount of weight with very little physical effort.



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## Sections 4.2.1 and 4.2.2

Cable come-alongs are not typically safe for vertical lifting. A ratchet chain hoist is a much better choice. However, a cable come-along is more manageable than a chain hoist for horizontal movement.



CABLE COME-ALONG



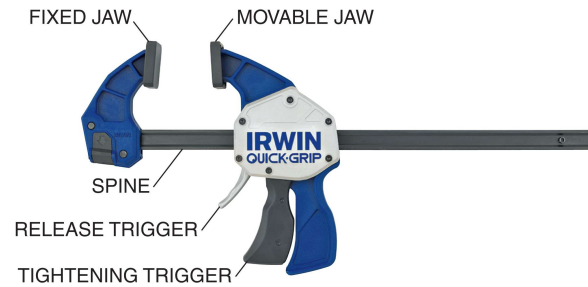
RATCHET CHAIN HOIST

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# Section 4.3.0 – Clamps



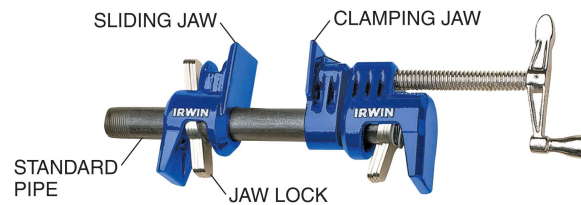
(A) C-CLAMP



(D) BAR CLAMP



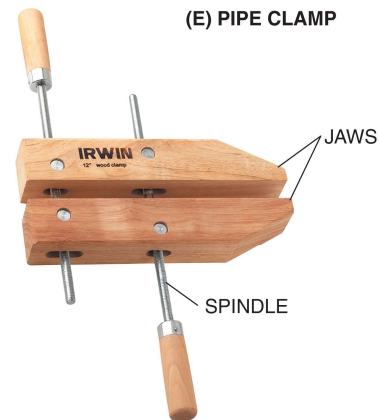
(B) LOCKING C-CLAMP PLIERS



(E) PIPE CLAMP



(C) SPRING CLAMP



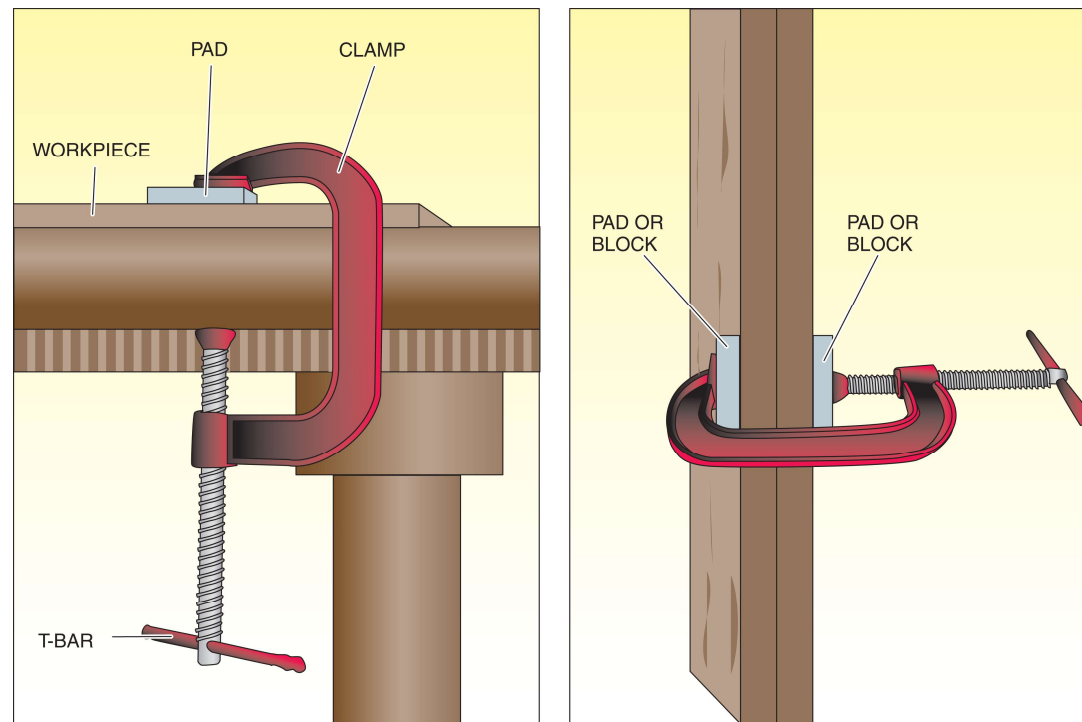
(F) HAND-SCREW CLAMP

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## Section 4.3.0 – Clamps

A block of soft wood or a heavy rubber pad is often needed with clamps to prevent damage to the workpiece surface. This is especially important when working with exotic woods and similar materials.



# Wrap Up – Hand Tool Review

## What Is It and How Do I Use It?

Hand tools from today's session will be shown in random order. Name the tool accurately and completely, and then briefly show the instructor how to use it safely and properly.

Wrong name? The other team gets a chance to name and demonstrate use of the tool. Wrong instructions? The other team gets a chance to instruct and steal those two points.

name and instruction correct = 3 points

Name only correct = 1 point

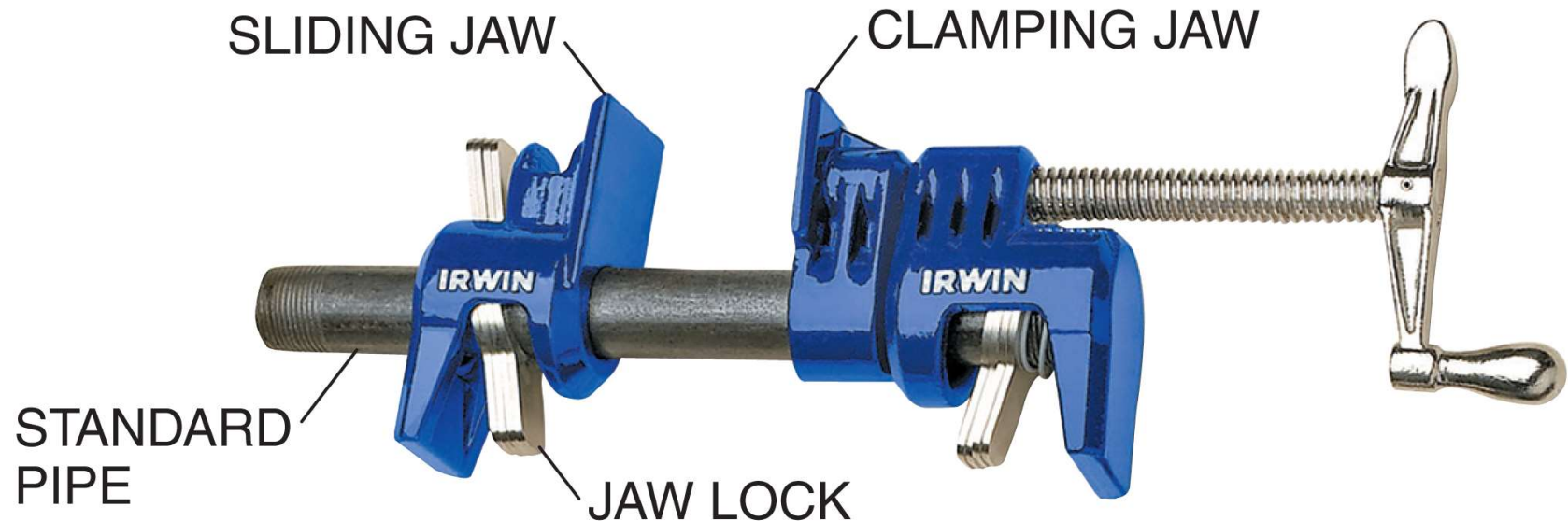


# Wrap Up – Hand Tool Review



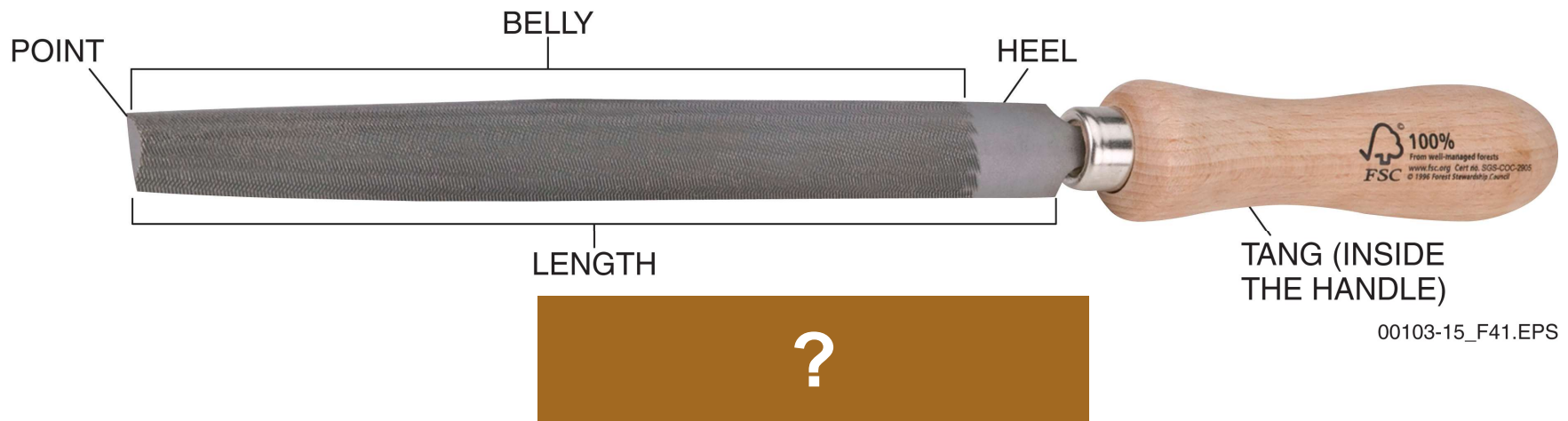
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# Wrap Up – Hand Tool Review



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# Wrap Up – Hand Tool Review





# Wrap Up – Hand Tool Review



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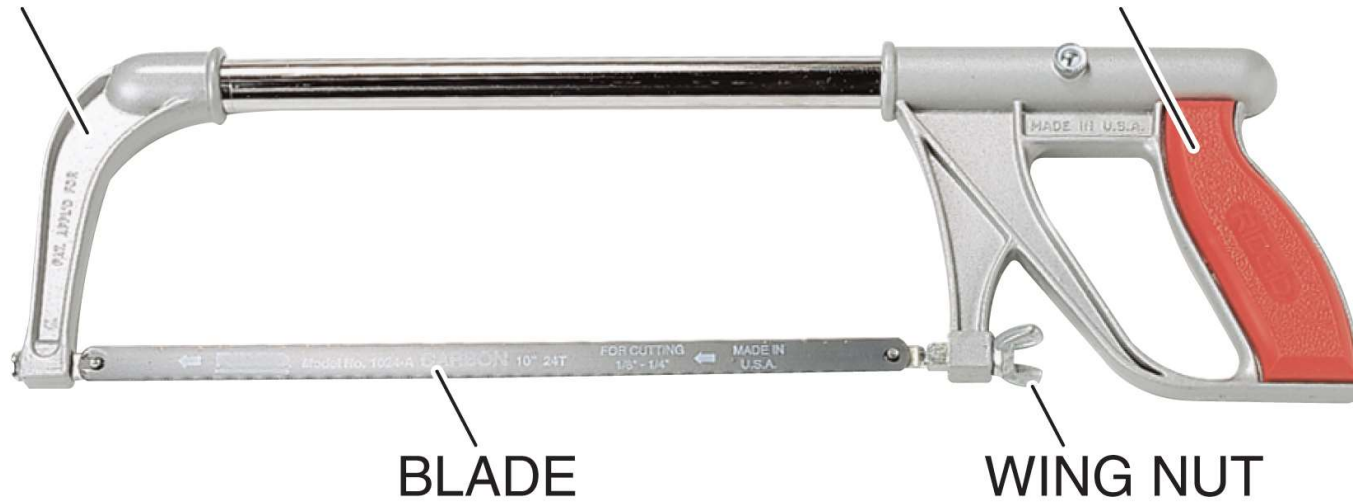
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# Wrap Up – Hand Tool Review



# Wrap Up – Hand Tool Review



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# Next Session...

## LABORATORY: USING HAND TOOLS

Review the complete module to prepare for the laboratory and Performance Tasks in the next session.

