



LESSON NOTES

School: Ba Sangam College
Subject: Applied technology

Year/Level: 12
Worksheet 9

Name:
Year:

Strand	Welding and Fabrication
Sub Strand	Cutting and Forming Process
Content Learning Outcome	State the different types of snips and their operation;

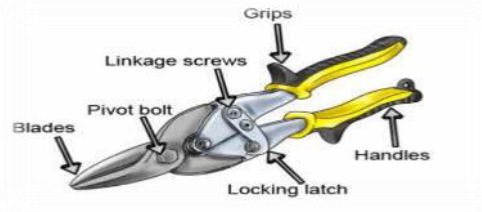
Tin snip – is a hand tool used for cutting sheet metal. It uses Shear Force to cut the metal.

Types of Tin snip

1. Straight snip

Are used for cutting along straight lines and round the outside curves.

Note: Snips are used for cutting sheet metal not exceeding 1/16 inch in thickness.



2. Curved snip

Are used for cutting out holes in sheet metals and around the inside of curves (concave cutting).

Two types of curved snip:-

Right snip

Left snip



3. Universal or circular cutting snip

Are used for cutting curves, circles or straight lines.



POINT TO REMEMBER IN THE OPERATION OF THE SNIP

- The snip are held in the right hand with the index finger between the handles. The finger in this position has the effect of a spring forces the handles apart. Light types of snip can be obtained with a spring devices for this purpose, fitted between the handles.
- The snip should be held at about the forearms' length from the body and more or less stationery. By this is meant that the work should be moved into or **“chase” the work.**
- The work should be cut well up in the mouth of the snips. It is not advice to allow the blades to close completely at every cut, as this leaves small ridges on the work, consequently marring the smoothness of the surface.

Activity (10 marks)

1. Give the use of a Tin snip and what force does it use?

(2 marks)

2. Name the three types of Tin snip?

(3 marks)

3. What is the use of a universal tin snip?

(1 marks)

4. How should you hold the Tin snip?

(2 marks)

5. Explain the phrase “chase the work”?

(2 marks)