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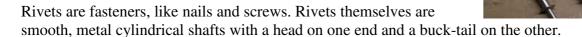
LESSON NOTES

School: Ba Sangam College Year/Level: 10 Name: _______
Subject: Basic Technology Worksheet 14 Year:

Subject Easte Technolog	, , , , , , , , , , , , , , , , , , , ,	1 041 0
Strand	Joints and Processes	
Sub Strand	Metalworking joints	
Content Learning Outcome	Know the types of rivets	

RIVETING

Riveting is a simple way to join metal parts together. Rivets are made of soft iron for general engineering: aluminum alloy for aircraft work and soft aluminum of copper for non-metallic substance. A wide range of special rivets are available.



Rivets are described according to:

Shank - solid, tubular, or special type such as Riv-Nut

Metals - copper, aluminum alloy and soft steel,

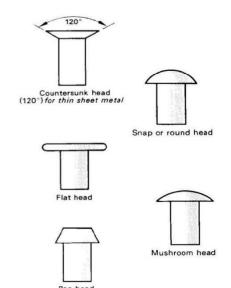
Shape of head.

Diameter of shank.

Length of shank.

Solid shank rivets are the type commonly used for most purposes in sheet metal work.

Countersunk rivets are useful where streamlining is needed, as in air-planes. The countersinking is done as for bolts and screws. It permits the head of the rivet to be placed flush with the surf ace of the metal.



Roundhead rivets are used where a strong union is required but where the projection of the head causes no concern.

Flathead rivets are used in such constructions as fuel tanks.

Mushroom head rivets are used where it is necessary to shorten the height of the rivet head above the metal surface, as for example in aircrafts.

Pan head rivets are very strong, and are, therefore, widely used for girders and heavy constructional engineering.

To use a rivet, it is placed through a hole (same size as rivet) drilled through two flat objects (usually metal). A ball pein hammer is used to smash one end of the rivet, which expands to about one and a half times the width of the rivet in order to hold the rivet in place and objects together.

REVIEW QUESTIONS (10 marks)

1. Define Riveting?	
2. List the 5 things according to which rivets are	(2 marks)
3. Give the use of Flathead rivet?	(3 marks)
4. Sketch a Countersunk head and Pan head rive	(1 marks)
(4	
	marks