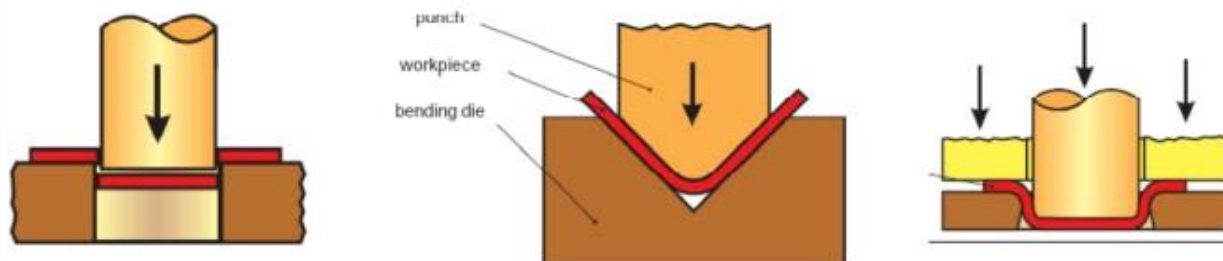


5 Sheet Metal Forming Experimental work



Source: **Metal Forming Handbook /Schuler**, (c) Springer-Verlag Berlin Heidelberg, 1998

Students Names:

Date

____/____/____

dd / mm / yy

Semester _____ Student ID _____

Group _____

(For instructor use only) **Evaluation**

Grade

Comments

Prof. Nahed El Mahallawy

TAs:

Eng. Sherifa Taher

Eng. Olivia Louis

Eng. Noha Abdeltawab

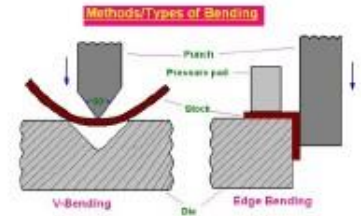
Eng. Ramy Amir

Eng. Mahmoud Badr

Eng. Mohamed Magdy

Bending

1. Sketch the bending die in the workshop.



2. What is spring back and sketch it?

Shearing

1. What is the difference between piercing and blanking?



2. Sketch the blanking die used in the workshop showing the product obtained?

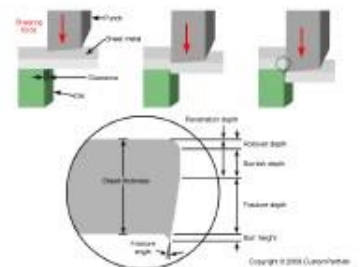
Deep Drawing

1. Sketch the deep drawing die used in the workshop.



2. Sketch the product obtained and comment on the process.

3. What are the major differences between a shearing and a deep drawing die?



4. What is wrinkling in deep drawing? Why does it happen? How can it be prevented?

