



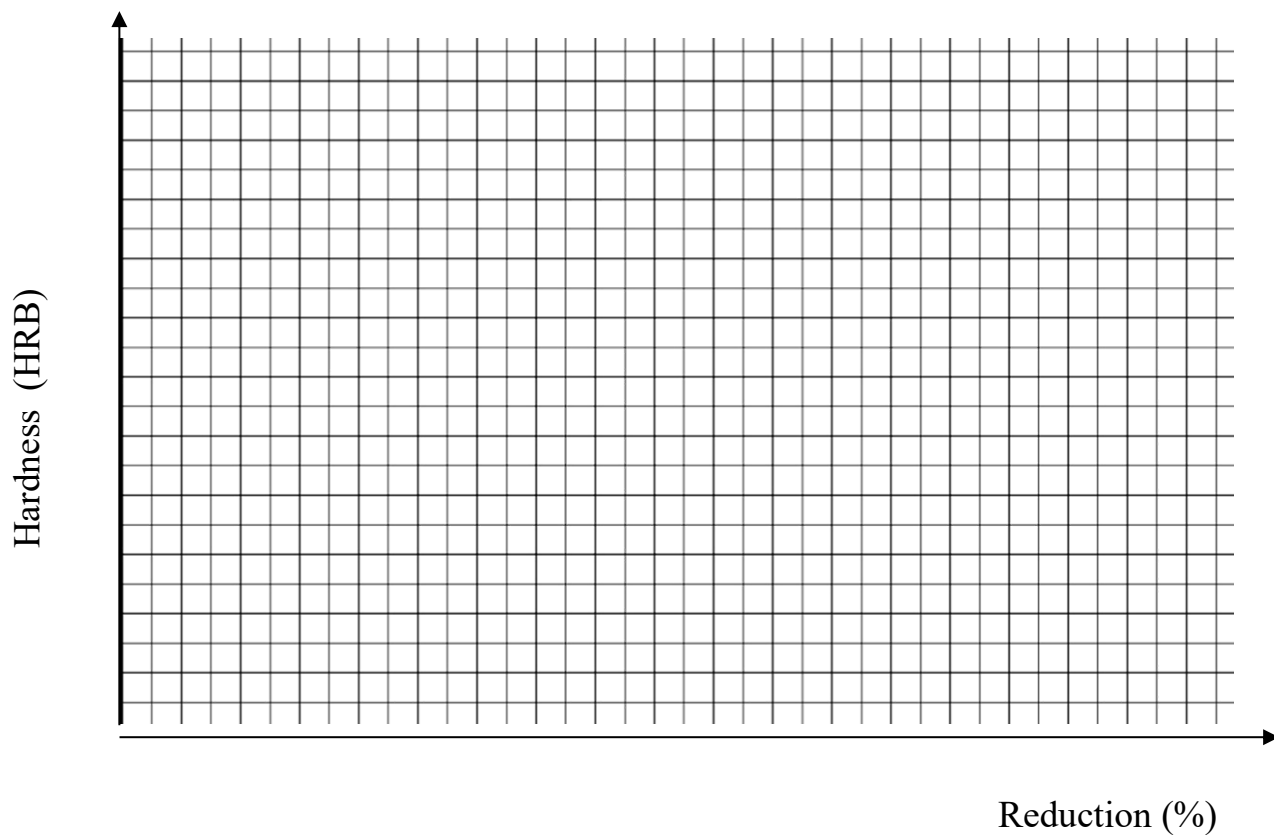
Zatt	Cold forming
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Name:	Neptun-code:	Lab group:	Checked by:
Location of the experiment: Department of Materials Science and Engineering, Budapest University of Technology and Economics (BME), G Building.			
Purpose of the measurement:			

Drawing and initial dimensions of the workpiece
Schematic drawing of the rolling process

Measurement results

<i>Pass number</i>	<i>Hardness (HRB)</i>	<i>Thickness (mm)</i>	<i>Reduction (%)</i>
0.			
1.			
2.			
3.			
4.			
5.			
6.			
7.			



Evaluation of the measurement:



Cold forming

QUESTIONS

(Circle the numbers of the three questions received during the lab session)

1. How do the mechanical properties change as a result of cold working?
2. What are the advantages of cold working compared to hot working?
3. What are the disadvantages of cold working compared to hot working?
4. Draw a flow curve characteristic of cold working.
5. List at least five cold forming processes.
6. What causes the increase in strength during cold working?
7. What is the temperature-based definition of cold working?
8. What is the role of the blank holder during deep drawing?
9. What is the difference between forward extrusion and wire drawing?
10. Give the two main categories of cold working and provide one example for each.

Responses given during lab

IN / OUT	Instructor's signature: