

German Jordanian University School of Applied Technical Sciences Department of Industrial Engineering Manufacturing Processes Lab IE3250/IE0345 First Semester 2023

Stuc	lent Name:						
ID:		Section:					
	• Fill the blanks of the		perimen	t (3): Fo	orging		
		Before deformation (mm)		After deformation(mm)			
	Height						
	Diameter						
	h_{avg}						
	D_{avg}						
]	Reduction in height %						
Force (measured)							
•	Zueren me Bran Panne	rn of the spec		After t	he test		

Calculate the flow stress at =0.2? (<i>use both equations</i>	end of stroke of this specimen at the and show detailed answer)	e given temperature assuming μ
• What is sticking? Why it h	appened? How can we reduce sticking	ng?
Ç ,	••	
Which one from the follow the lab)? Explain your answ	ring parts is produced by forging pro wer.	ocess (similar to our specimen in
\triangle		
		Carrier and Chilling and Chil