“FUNDAMENTALS OF COLD FORMING”

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FOLLOWING TOPICS WILL BE DISCUSSED IN THIS TRAINING COURSE:

1. INTRODUCTION TO METAL FORMING
2. COLD FORGING PROCESS
3. MATERIAL PROPERTIES AND BEHAVIOUR
4. MACHINES FOR COLD FORGING
5. BASICS OF FORGING SEQUENCE DESIGN
6. BASIC FORMING PROCESSES
7. DESIGN RULES FOR BASIC PROCESSES
8. PREFORM SHAPES
9. FORMING SEQUENCE LAYOUT
10. PRACTICAL CONSIDERATIONS IN SEQUENCE DESIGN
11. LOAD AND DESIGN CALCULATIONS
12. TOOL DESIGN
13. SOFTWARE PROGRAM 'NAGFORM' FOR SEQUENCE DESIGN
14. VALIDATION OF DESIGN THROUGH FEA SIMULATION - NAGSIM SOFTWARE PROGRAM