

METAL FORMING - GATE

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Chapter 1

Metal Forming

1.1 Metal forming

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1.2 Terms

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1.3 Cold working

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1.4 Hot working

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1.5 Warm forming

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1.7 Malleability

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Chapter 2

Rolling

2.1 Introduction

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2.2 Pack Rolling

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2.3 Manufacture of Gear by rolling

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2.4 Rolling defects

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Chapter 3

Forging

3.1 Introduction

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3.2 Operation in Forging

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3.3 Type of forging

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3.8 The economics of Forging

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Chapter 4

Extrusion and Drawing

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4.2 Types of Extrusion

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4.10 The deep drawing process

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4.11 Drawing Defects

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4.12 High energy rate forming

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4.13 Electromagnetic or Magnetic pulse forming

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Chapter 5

Bending

5.1 Introduction

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5.2 Tube bending and Forming

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Chapter 6

Powder Metallurgy

6.1 Definition and concepts

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