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## **Handbook on Steel Bars, Wires, Tubes, Pipes, S.S. Sheets Production with Ferrous Metal Casting & Processing**

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| <b>Code:</b> NI260                                  | <b>Format:</b> paperback   |
| <b>Indian Price:</b> ₹1775                          | <b>US Price:</b> \$150     |
| <b>Pages:</b> 408                                   | <b>ISBN:</b> 9789381039311 |
| <b>Publisher:</b> NIIR PROJECT CONSULTANCY SERVICES |                            |

### **Description**

Ferrous materials have made a major contribution to the development of modern technology; they span a tremendous range of properties and applications. Reflecting the industrial practices, the information provided here offers easy access to reliable processes involved in the manufacturing of Steel products like Steel Bars, Wires, Tubes, Pipes, Sheets etc that proves to be the backbone of construction and automobile industries booming worldwide.

The work closes the gap in the treatment of steel and cast iron. Each chapter takes into account the gradual transitions between the two types of ferrous materials. It demonstrates that ferrous metal and steel are versatile and customizable materials which will continue to play a key role in the future and also covers the operations performed on ferrous metals for converting them into a commodity.

The book provides a full characterization of steel, including structure, chemical composition, classifications, physical properties, production practices of different steel products, processing of ferrous metals and so on. It will prove to be a layman's guide for the entrepreneurs who are willing to invest in the ventures related to Iron and Steel Industries, as it contains information related to processing of ferrous metals and production practices followed in Steel products manufacturing units. The text discusses the importance and objectives of processes and material used for the production of disposable products. Many examples have been provided to illustrate the concepts discussed.

The topics covered in the book are: Casting of Ferrous Metals, Heat Treatment of Ferrous Metals, Stamping Process of Ferrous Metals, Forming Process of Ferrous Metals, Machining Process of Ferrous Metals, Joining Process of Ferrous Metals,

Production of Stainless Steel Wire, Production and Fabrication of Steel Bars, Steel Tube & Pipe, Stainless Steel Sheet and Different Grades of Stainless Steel.

## **Content**

### **1. CASTING OF FERROUS METALS**

Casting Methods

Sand Casting

Shell-mold Casting

Expendable-Pattern Casting (Lost foam Process)

Plaster-Mold Casting

Ceramic Mold Casting

Investment Casting (Lost Wax Process)

Vacuum Casting

Permanent Mold Casting

Die Casting

Centrifugal Casting

Casting Design and Quality

Corners, Angles and Section Thickness

Drafts and Tapers

Shrinkage

Parting Line

### **2. HEAT TREATMENT OF FERROUS METALS**

Heat Treating Theory

Stages of Heat Treatment

Heating Stage

Soaking Stage

Cooling Stage

Heat Colors for Steel

Types of Heat Treatment

Annealing

Ferrous Metal

Nonferrous Metal

Normalizing

Hardening

Case Hardening

Carburizing

Cyaniding

Nitriding

Flame Hardening  
Stationary Method  
Circular Band Progressive Method  
Straight Line Progressive Method  
Spiral Band Progressive Method  
Circular Band Spinning Method  
Tempering  
Quenching Media  
Liquid Quenching  
Water  
Brine  
Oil  
Caustic Soda  
Warning  
Dry Quenching  
Air  
Solids

### 3. STAMPING PROCESS OF FERROUS METALS

Compound Die  
Progressive Die  
Stripper Designs  
Fixed Stripper  
Urethane Stripper  
Spring Stripper  
Stamping Terminology - Punch Operation  
Perforating  
Punch Stagger  
Blanking  
Piercing  
Perforate and Shave  
Piloting  
Perforate and Extrude  
Notching  
Lancing  
Coining  
Embossing  
Projection  
Shear Angles  
For More Information...

### 4. FORMING PROCESS OF FERROUS METALS

- Rolling
  - Hot and Cold Rolling
    - Cold Rolling
  - Processes
    - Roll bending
    - Roll forming
    - Flat Rolling
    - Foil Rolling
    - Ring Rolling
    - Controlled Rolling
  - Mills
    - Rolling Mills
    - Tandem Mill
  - Defects
    - Shape
    - Profile
    - Roll Deflection
    - Draft
    - Surface Defects
    - Lap
    - Mill-shearing
    - Rolled-in scale
    - Scabs
    - Seams
- Extrusion Process
  - Process
    - Hot Extrusion
      - Hot extrusion temperature for various metals
    - Cold Extrusion
    - Warm Extrusion
  - Equipment
  - Forming Internal Cavities
    - Indirect Extrusion
    - Hydrostatic Extrusion
  - Drives
  - Extrusion Defects
  - Materials
  - Metal
  - Advantages and disadvantages
  - Processes

Temperature  
Hot Working and Cold Working  
Drop Forging  
Open-die Drop Forging  
Impression-die Drop Forging  
Design of impression-die forgings and tooling  
Press Forging  
Upset Forging  
Automatic Hot Forging  
Roll Forging  
Net-shape and Near-net-shape Forging  
Cost Implications  
Induction Forging  
Equipment  
Hydraulic Drop-hammer  
Bendling Process  
Process  
Bending Process  
Types  
Air Bending  
Bottoming  
Coining  
Three-Point Bending  
Folding  
Wiping  
Rotary Bending  
Roll Bending  
Elastomer Bending  
Joggling  
Calculations  
Bend Allowance  
Bend Deduction  
K-factor  
Material Considerations  
Advantages  
Shearing Proces  
Nature of Cut Edges  
Equipment Characteristics  
Operation  
Maintaining Quality

Design Considerations

## 5. MACHINING PROCESS OF FERROUS METALS

Turning Operations

Chucking the Workpiece

Adjusting the Tool Bit

Cutting Speeds

Setting Speed and Feed

Turning with Hand Feed

Turning with Power Feed

Measuring the Diameter

Turning a Shoulder

Grinding

Processes

Surface Grinding

Cylindrical Grinding

Creep-Feed Grinding

Centerless Grinding

A Schematic of ELID Grinding

Grinding Wheel

Lubrication

The Workpiece

Workholding Methods

Workpiece Materials

Workpiece Geometry

Effects on Workpiece Materials

Threading

Subtractive Methods

Thread Cutting

Taps and Dies

Single-Point Threading

Thread Milling

Thrilling

Thread Grinding

Thread Lapping

Thread Casting and Molding

Additive Methods

Combinations of subtractive, additive, deformative, or transformative methods

Drilling Operations

Purpose

Uses

Characteristics  
Care of Drilling Machines  
Lubrication  
Special Care  
Types of Drilling Machines  
Hand-Feed  
Power-Feed  
Safety Precautions  
Drilling Machine Safety  
Tools and Equipment  
Twist Drills  
Special Drills  
Sharpening Twist Drills  
Precheck  
Drill Point  
Clearance Angle  
Rake Angle  
Drill Grinding Machines  
Single Wheel Fixture  
Double Wheel Swing Arm  
Other Types of Cutters  
Countersinks  
Counterbores  
Combined Countersink and Center Drill  
Reamers  
Boring Tools  
Field Expedient Cutters  
Tap and Die Work  
Drill Holding Devices  
Geared Drill Chucks  
Drill Sockets and Drill Sleeves  
Drill Drifts  
Work Holding and Drilling Devices  
Machine Table Vises  
Step Blocks  
Clamps  
V-Blocks  
Angle Plates  
T-Slot Bolts  
Jigs

Drilling Support Device  
Cutting Fluids  
Laying Out and Mounting Work  
Laying Out Work  
Laying Out Hole Centers  
Center-Punching the Layout  
Layout of Multiple Holes  
Mounting Workpieces  
Vise Mounting  
Table or Base Mounting  
General Drilling Operations  
The Drilling Process  
Selecting the Drill  
Installing the Drill  
Selecting Drill Speed  
Selecting Drill Feed  
Aligning and Starting Holes  
Starting Holes with Center Drill  
Drawing a Drill Back on Center  
Drilling  
Drilling Deep Holes  
Drilling a Pilot Hole  
Drilling Thin Material  
Using a Depth Stop  
Checking the Depth of Drilled Holes  
Drilling Round Stock  
Operational Checks  
Special Operations on Drilling Machines  
Countersinking  
Types of Countersinks  
Countersink Alignment  
Procedures for Countersinking  
Counterboring and Spot Facing  
Counterboring  
Spot Facing  
Tapping  
Tapping Large Holes  
Tapping Small Holes  
Reaming  
Hand Reamers

Machine Reamer

Reaming Operations

Boring

## 6. JOINING PROCESS OF FERROUS METALS

Riviting

Solid Rivets

Types

Semi-Tubular Rivets

Drive Rivet

Flush Rivet

Friction-Lock Rivet

Self-Pierce Rivets

Sizes

Installing rivets on M3 tank hull

Detail of a 1941 riveted ship hull, with the rivets clearly visible

Joint Analysis

Solid & Semi Tubular Rivets

Welding

Introduction to Welding Processes

Details of Welding Processes

Gas Welding

Flame Characteristics

Fusion arc Welding

Shielded Metal arc Welding

Submerged arc welding (SAW)

Flux cored arc welding (FCAW)

Gas shielded arc Welding

MIG and TIG

MIG welding (gas metal arc welding)

Pulsed MIG welding

Hot Wire MIG

Plasma MIG

TIG welding

Pulsed TIG Welding

Hot Wire TIG

Spot TIG

Electrical Method

Electric Resistance Welding

Electro-Slag Welding (ESW)

Induction Pressure Welding

Energy Method  
Electron Beam Welding (EBW)  
Laser Beam Welding  
Plasma Welding  
Special methods  
Explosive Welding (EW)  
Friction Welding  
Radial Friction Welding of Pipes  
Diffusion Bonding  
Selection of Welding Process  
Classification of Electrodes  
Electrode Coating  
Classification of Electrodes  
Selection of Electrodes  
Weld Joint Considerations  
General Procedure  
Type of Welded Joints  
General  
Groove-welds  
Various types of groove welds  
Fillet Welded Joint  
Comparison of Joints  
Welding Symbols  
7. PRODUCTION OF STAINLESS STEEL WIRE  
Melting Process  
Billet Production  
Production of Spring Wire  
Conclusion  
Wire Drawing  
Process  
Mechanical Properties  
8. PRODUCTION OF STEEL BARS  
Hot Rolled Bars  
Cold Twisted Deformed Bars  
Tmt Bars  
Mild Steel Bars (as per IS: 432, part-I -1982)  
Deformed Steel Bars (as per IS: 1786-1985)  
Various Grades of Mild Steel Bars  
Physical Requirement  
Steel Bars for RCC Work

General Precautions for Steel Bars in Reinforcement

Weight of Different Steel Bars

Stainless Steel Bar-Round

Product Stocking and Processing Service Program

Bar Grade Datasheets

Bright Mild Steel Bar

Types of Cold Finished Bars

Grade Datasheets

Stainless and Engineering Steel Bar and Wire Product Specifications

Stainless Steel Bar

Stainless Steel Hollow Bar

Stainless Steel Wire

Welding wire

Carbon Bar Steel Products

Carbon and Alloy Steel Hollow Bar

Low Alloy Steel Bar

Production Flow

Pickling

Continuous Pickling Line

Cold Rolling

Annealing

Skin Pass

Warehousing

## 9. PRODUCTION OF STEEL TUBE AND PIPE

Introduction

Seamless Tube and Pipe

Pierce and Pilger Rolling Process

Plug Rolling Process

Continuous Mandrel Rolling Process

Push Bench Process

Pierce and Draw Process

Tube Extrusion Process

Cross Rolling Processes

Assel Rolling Process

Diescher Rolling Process

Downstream Tube Cold Forming

Cold Drawing

Cold Pilgering

Welded Tube and Pipe

Pressure Welding Processes

Fretz-Moon Process

Electric Resistance Welding

DC Processes

Low-Frequency Process

High-Frequency Processes

High-Frequency Induction Welding Process

High-Frequency Conduction Welding Process

Fusion Welding Processes

Submerged-Arc Welding Process

Gas-Shielded Arc Welding Processes

The Production of Longitudinally Welded Pipe (U-ing/O-ing process)

Spiral Pipe Production

Spiral Pipe Production in Integrated Forming and SAW Welding Lines

Spiral Pipe Production with Separate Forming and SAW Welding Lines

## 10. MANUFACTURING OF STAINLESS STEEL SHEET

Raw Material

Manufacturing Process

Heat Treatment

Descaling

Cutting

Finishing

Manufacturing at the Fabricator or End User

Bending Process of Steel Sheet

The Air Bending Process

Recommended Inside Bend Radius

Flange Dimensions

Channels

Distortion Near Bends

Flat Layouts

Theoretical Sheet Metal Thickness Gauges

## 11. GRADES OF STAINLESS STEEL

A Brief Overview of Stainless Steel

Austenitic Grades

Straight Grades

“L” Grades

“H” Grades

Type 304

Type 316

Type 317

Type 317L

Type 317LM  
Type 317LMN  
Type 321, Type 347  
Martensitic Grades  
Type 410  
Type 410S  
Type 414  
Type 416  
Type 420  
Type 431  
Type 440  
Ferritic Grades  
Type 430  
Type 405  
Type 409  
Type 434  
Type 436  
Type 442  
Type 446  
Duplex Grades  
Precipitation Hardening Grades  
Superalloy Grades

## **About NIIR Project Consultancy Services (NPCS)**

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureaus, consultants and consultancy firms as one of the inputs in their research.

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