

hilti dsh 700-x parts list

hilti dsh 700-x parts list is essential for professionals and users who rely on this powerful demolition saw for heavy-duty cutting tasks. Understanding the comprehensive parts list of the Hilti DSH 700-X not only aids in proper maintenance but also ensures efficient troubleshooting and timely replacement of components. This article delves deep into the detailed parts inventory of the Hilti DSH 700-X, highlighting crucial components such as the engine assembly, blade guard, handle units, and other integral parts. Additionally, it covers maintenance tips and best practices for sourcing genuine replacement parts to maximize the tool's lifespan and performance. By examining each part's function and importance, this guide serves as an authoritative resource for contractors, technicians, and equipment managers. The following sections provide a structured overview and detailed insights into the Hilti DSH 700-X parts list.

- Overview of Hilti DSH 700-X
- Key Components of the Hilti DSH 700-X
- Engine and Powertrain Parts
- Blade and Cutting Accessories
- Safety and Control Elements
- Maintenance and Replacement Guidelines

Overview of Hilti DSH 700-X

The Hilti DSH 700-X is a high-performance demolition saw designed for demanding cutting applications in construction and industrial environments. Known for its robust build and powerful engine, this tool offers precision, durability, and user-friendly operation. The parts list of the DSH 700-X reflects the complexity and quality engineering that Hilti incorporates into this saw. Understanding the various parts and how they interact is fundamental to maintaining optimal operation and ensuring safety during use. This section provides a general introduction to the tool's design and the importance of each component within the overall system.

Key Components of the Hilti DSH 700-X

The Hilti DSH 700-X parts list includes numerous components that work together to deliver superior cutting performance. Each part plays a specific role in the tool's functionality. Familiarity with these parts enables users to identify issues quickly and perform necessary repairs. The primary components can be categorized into structural, mechanical, and safety-related parts.

Structural Parts

Structural parts form the backbone of the Hilti DSH 700-X, providing the framework and housing for other components. These include the main body casing, handle units, blade guard, and base plate. The casing protects internal mechanisms from dust and damage, while ergonomic handles improve user control and comfort.

Mechanical Parts

Mechanical components include the engine assembly, drive shaft, clutch system, and blade mounting hardware. These parts ensure the transfer of power from the engine to the cutting blade and contribute heavily to the tool's efficiency and reliability.

Safety-Related Parts

Safety components such as the blade guard, throttle lock, and vibration dampeners are vital for protecting the operator and enhancing tool stability. Proper maintenance of these parts is critical to prevent accidents and comply with occupational safety standards.

Engine and Powertrain Parts

The engine system is the heart of the Hilti DSH 700-X, delivering the high power output required for heavy-duty cutting. This section outlines the main engine and powertrain parts integral to the saw's operation.

Engine Assembly

The engine assembly includes the cylinder, piston, crankshaft, carburetor, and ignition system. These components work in unison to generate and regulate the power needed for cutting through concrete, metal, and other tough materials.

Clutch and Drive Shaft

The centrifugal clutch engages the blade when the engine reaches operational speed, ensuring smooth power transfer. The drive shaft connects the clutch to the blade mount, transmitting rotational force efficiently.

Fuel and Air Systems

The fuel tank, fuel filter, and air filter are essential for providing clean fuel and air to the engine. Regular inspection and replacement of these components prevent engine performance issues and prolong tool lifespan.

Blade and Cutting Accessories

The blade and its associated parts are critical for the Hilti DSH 700-X's cutting capabilities. This section details the blade types, mounting hardware, and protective accessories included in the parts list.

Cutting Blades

The saw accommodates various diamond blades tailored for cutting concrete, asphalt, steel, and masonry. Choosing the right blade type enhances cutting efficiency and extends blade life.

Blade Mounting and Guard

The blade mounting flange, bolts, and nuts secure the blade firmly to the drive shaft. The blade guard protects the operator from debris and accidental contact with the spinning blade, making it a vital safety component.

Additional Accessories

Water supply fittings and dust extraction attachments help reduce dust generation during cutting, improving visibility and operator health.

Safety and Control Elements

Safety and control parts are designed to enhance user protection and operational precision. This section outlines the key safety features and control mechanisms included in the DSH 700-X parts list.

Throttle and Safety Lock

The throttle trigger controls the engine speed, while the safety lock prevents accidental activation. These parts ensure the operator maintains full control during use.

Handle and Vibration Dampening

Ergonomic handles with vibration dampening reduce user fatigue and improve handling accuracy. These parts also contribute to safer operation by enhancing grip stability.

Emergency Stop Features

Some models include emergency stop switches or kill switches that allow the operator to quickly shut down the saw in hazardous situations, minimizing risk of injury.

Maintenance and Replacement Guidelines

Proper maintenance and timely replacement of worn parts are crucial for the longevity and safety of the Hilti DSH 700-X. This section provides practical advice on servicing the tool and sourcing authentic components.

Routine Inspection and Cleaning

Regularly inspecting the blade condition, air and fuel filters, and safety mechanisms helps detect issues early. Cleaning dust and debris from the engine and housing prevents overheating and mechanical failures.

Replacement Parts

Using genuine Hilti replacement parts ensures compatibility and preserves the tool's performance standards. Components such as blades, filters, spark plugs, and seals should be replaced according to manufacturer recommendations or when wear is evident.

Professional Servicing

Periodic professional servicing by authorized technicians is advisable to maintain optimal engine tuning and to address complex repairs. This approach extends tool life and maintains warranty coverage.

- Main body casing
- Engine assembly
- Centrifugal clutch
- Drive shaft
- Blade mounting flange and bolts
- Diamond cutting blades
- Blade guard
- Throttle trigger and safety lock

- Ergonomic handles with vibration dampeners
- Fuel and air filters

Frequently Asked Questions

Where can I find the official parts list for the Hilti DSH 700-X?

The official parts list for the Hilti DSH 700-X can be found on Hilti's official website under the product support section or in the user manual that comes with the tool.

What are the main components included in the Hilti DSH 700-X parts list?

The main components typically include the motor assembly, blade guard, cutting blade, handle, gearbox, carbon brushes, and various screws and fasteners.

Is there a downloadable PDF of the Hilti DSH 700-X parts list available?

Yes, Hilti provides downloadable PDF manuals and parts lists for the DSH 700-X on their official support page, which can be accessed by searching for the model number.

How can I identify the part number for a specific component of the Hilti DSH 700-X?

Each part is listed with a unique part number in the parts list document or manual, often accompanied by an exploded diagram that helps identify specific components.

Where can I purchase replacement parts listed in the Hilti DSH 700-X parts list?

Replacement parts for the Hilti DSH 700-X can be purchased directly from Hilti stores, authorized dealers, or through their official online store by referencing the part numbers from the parts list.

Additional Resources

1. *Hilti DSH 700-X Parts Manual: Comprehensive Guide*

This manual provides an in-depth look at every component of the Hilti DSH 700-X power cutter. It includes detailed diagrams, part numbers, and maintenance tips, making it an

essential resource for technicians and operators. The book also covers troubleshooting common issues related to parts wear and replacement.

2. The Ultimate Guide to Hilti Power Tools: Focus on the DSH 700-X

Explore the full range of Hilti power tools with a special focus on the DSH 700-X model. This guide covers parts lists, operational instructions, and safety protocols. It's ideal for professionals who want to maximize their tool's efficiency and lifespan through proper part knowledge.

3. Repair and Maintenance of Hilti DSH 700-X Cutters

A practical handbook dedicated to the upkeep and repair of the Hilti DSH 700-X. It breaks down the parts list and explains step-by-step procedures for replacing components and performing routine maintenance. Illustrations and tips help users avoid common pitfalls in tool repair.

4. Hilti DSH 700-X Parts Catalog and Service Guide

This catalog serves as both a parts reference and a service manual for the DSH 700-X. Users can find detailed listings of all replaceable parts along with descriptions and compatibility information. The book also includes service schedules and advice for extending the cutter's operational life.

5. Understanding Hilti Power Cutter Components: The DSH 700-X Edition

Designed for both novices and experienced users, this book explains the function and importance of each part in the Hilti DSH 700-X. It provides clear illustrations and descriptions to aid in identifying and ordering parts. The guide also discusses common wear patterns and preventive maintenance.

6. Field Guide to Hilti DSH 700-X Parts and Accessories

Perfect for field technicians, this compact guide lists all essential parts and compatible accessories for the Hilti DSH 700-X. It emphasizes quick identification and replacement to minimize downtime. The book also includes tips on sourcing genuine Hilti parts and avoiding counterfeit components.

7. Hilti DSH 700-X: Parts Identification and Troubleshooting

This book combines a comprehensive parts list with troubleshooting strategies for the Hilti DSH 700-X. Users learn how to diagnose issues based on symptoms and related parts, making repairs more efficient. Detailed illustrations support easy identification of components and their functions.

8. Maintaining Your Hilti DSH 700-X: Parts and Procedures

Focused on preventive care, this guide details the essential parts of the Hilti DSH 700-X and maintenance procedures to keep the tool in prime condition. It includes scheduled maintenance charts, cleaning tips, and part replacement guidelines. The book is aimed at prolonging the tool's service life through proper care.

9. Hilti DSH 700-X Parts and Repair Techniques for Professionals

Tailored for professional repair technicians, this book dives deep into the parts list and advanced repair techniques for the Hilti DSH 700-X. It covers disassembly, part diagnostics, and reassembly with precision. The guide is filled with expert advice to handle complex repairs efficiently.

[Hilti Dsh 700 X Parts List](#)

Hilti DSH 700-X Parts List: Your Ultimate Guide to Repair and Maintenance

Is your Hilti DSH 700-X hammer drill underperforming? Frustrated by costly repairs due to a lack of readily available parts information? Finding the right part for your Hilti DSH 700-X can feel like searching for a needle in a haystack. Downtime means lost productivity and mounting expenses. This ebook cuts through the confusion, providing you with a comprehensive parts list and vital maintenance information to keep your tool running smoothly.

This ebook, "Hilti DSH 700-X: The Complete Parts Breakdown and Maintenance Guide," will empower you to:

- Identify and order replacement parts quickly and efficiently.
- Perform essential maintenance tasks, extending the life of your tool.
- Save money by avoiding unnecessary repair shop visits.
- Understand the inner workings of your Hilti DSH 700-X for better troubleshooting.

Contents:

- Introduction: Understanding the Hilti DSH 700-X and its key components.
- Chapter 1: Complete Parts List with Diagrams: A detailed, illustrated breakdown of every part, including part numbers for easy ordering.
- Chapter 2: Common Problems and Troubleshooting: Identifying and resolving typical malfunctions.
- Chapter 3: Essential Maintenance Procedures: Step-by-step instructions for cleaning, lubrication, and preventative maintenance.
- Chapter 4: Safety Precautions: Crucial safety guidelines to follow during repair and maintenance.
- Conclusion: Maximizing your Hilti DSH 700-X's lifespan and performance.

Hilti DSH 700-X: The Complete Parts Breakdown and Maintenance Guide

Introduction: Understanding Your Hilti DSH 700-X

The Hilti DSH 700-X is a powerful and versatile rotary hammer, widely used in construction and demolition. Its robust design and reliable performance make it a favorite among professionals. However, even the most durable tools require regular maintenance and occasional repairs. This guide provides a comprehensive resource to help you understand your DSH 700-X, identify parts,

troubleshoot problems, and perform essential maintenance tasks. Knowing your tool inside and out will significantly extend its lifespan and minimize downtime.

Chapter 1: Complete Parts List with Diagrams

This chapter is the heart of this ebook. It presents a detailed parts list for the Hilti DSH 700-X, incorporating clear diagrams to visually identify each component. We understand that navigating complex technical documents can be challenging, so we've made every effort to present the information in a user-friendly format.

(Note: Due to the limitations of this text-based format, the actual diagrams and detailed parts lists would be included in the ebook itself. This section provides a representative example.)

Here's a simplified example of how the parts list would be structured within the ebook:

Section 1: Housing and External Components

Part Number: 1234567

Part Name: Main Housing Assembly

Diagram Reference: (Diagram showing the main housing location)

Part Number: 7654321

Part Name: Switch Assembly

Diagram Reference: (Diagram showing the switch and its components)

Section 2: Internal Mechanisms

Part Number: 9876543

Part Name: Hammer Mechanism

Diagram Reference: (Exploded diagram showing the hammer mechanism)

Part Number: 3216549

Part Name: Rotary Motor

Diagram Reference: (Diagram showing the motor's location within the tool)

And so on, covering every significant part of the DSH 700-X. The ebook would provide far more extensive coverage. Each part will be clearly labeled and its function explained briefly. This will allow you to quickly and accurately identify the part you need when ordering replacements.

Chapter 2: Common Problems and Troubleshooting

This chapter addresses frequently encountered problems with the Hilti DSH 700-X. It provides step-

by-step troubleshooting guides, empowering you to diagnose and resolve issues before they escalate. Knowing how to troubleshoot common problems will save you time, money, and frustration.

Problem: The tool won't turn on.

Possible causes: Faulty switch, power cord damage, internal electrical fault.

Troubleshooting steps: Check the power cord, inspect the switch, check internal wiring (may require advanced skills).

Problem: The tool overheats.

Possible causes: Excessive use, clogged ventilation, lack of lubrication.

Troubleshooting steps: Allow the tool to cool down, clean ventilation ports, lubricate moving parts.

Problem: Reduced drilling performance.

Possible causes: Worn-out carbon brushes, damaged chuck, dull drill bit.

Troubleshooting steps: Inspect carbon brushes, check the chuck for damage, replace the drill bit.

Problem: Excessive vibration.

Possible causes: Loose components, worn-out bearings, internal damage.

Troubleshooting steps: Check for loose components, consider professional repair if the problem persists.

Chapter 3: Essential Maintenance Procedures

Preventative maintenance is crucial for extending the life of your Hilti DSH 700-X. This chapter details the necessary maintenance tasks, including cleaning, lubrication, and inspection procedures. Following these steps will ensure that your tool remains in optimal condition.

Cleaning: Regularly clean the tool's exterior to remove dust and debris. Use compressed air to blow out dust from ventilation ports.

Lubrication: Apply a small amount of appropriate lubricant to moving parts as recommended in the manufacturer's instructions.

Inspection: Regularly inspect the tool's condition, checking for signs of wear and tear, loose components, or damage.

Chapter 4: Safety Precautions

Safety should always be your top priority when working with power tools. This chapter covers crucial safety guidelines to ensure your well-being during repair and maintenance procedures.

Disconnect power: Always disconnect the power before performing any maintenance or repair work.
Use appropriate PPE: Wear safety glasses, gloves, and hearing protection during operation and maintenance.

Proper handling: Handle the tool with care to avoid dropping or damaging it.

Grounding: Ensure the tool is properly grounded to prevent electrical shocks.

Conclusion: Maximizing Your Hilti DSH 700-X's Lifespan

By following the guidelines provided in this ebook, you can significantly extend the lifespan and performance of your Hilti DSH 700-X. Regular maintenance, proactive troubleshooting, and a clear understanding of your tool's components are key to maximizing its value and ensuring its reliable operation.

FAQs

1. Where can I buy Hilti DSH 700-X parts? Hilti parts can be purchased directly from Hilti, authorized dealers, or online retailers. Ensure you use the correct part numbers from this guide.
2. How often should I perform maintenance on my DSH 700-X? Regular maintenance, including cleaning and inspection, should be performed after each use. More extensive maintenance, such as lubrication, should be scheduled periodically based on usage intensity.
3. What type of lubricant should I use for my Hilti DSH 700-X? Consult your Hilti DSH 700-X user manual for the recommended lubricant type.
4. Can I repair my DSH 700-X myself? Some repairs are possible with basic skills and tools. However, complex repairs may require the expertise of a qualified technician.
5. What are the most common problems with the Hilti DSH 700-X? Common issues include switch malfunctions, overheating, reduced drilling performance, and excessive vibration.
6. Is it safe to perform maintenance on the Hilti DSH 700-X myself? Always prioritize safety. Disconnect the power, use appropriate personal protective equipment (PPE), and consult the user manual before performing any maintenance.
7. What if I cannot find a specific part number in the guide? If a part number is missing or unclear, contact Hilti directly or consult an authorized dealer.
8. Can this guide help me repair other Hilti models? This guide is specific to the Hilti DSH 700-X. Other Hilti models may have different components and maintenance requirements.
9. How can I extend the life of my Hilti DSH 700-X drill bits? Using the correct bit for the material, avoiding excessive force, and keeping the bits sharp will extend their lifespan.

Related Articles:

1. Hilti DSH 700-X vs. DSH 900-X: A Comparative Analysis: This article compares the features and performance of the DSH 700-X and its higher-powered counterpart.
2. Hilti DSH 700-X Repair: A Step-by-Step Guide to Common Fixes: This article provides detailed instructions on repairing common problems with the Hilti DSH 700-X.
3. Understanding Hilti Tool Part Numbers: A Deconstruction: This article helps users decipher the

meaning behind Hilti's part numbering system.

4. Maintaining Your Hilti Rotary Hammer: Best Practices and Tips: This article provides additional tips and best practices for maintaining all Hilti rotary hammers.

5. Choosing the Right Drill Bit for Your Hilti DSH 700-X: This article helps users select the best drill bits for various materials.

6. Troubleshooting Hilti DSH 700-X Overheating Issues: A dedicated article tackling the common problem of overheating.

7. Safety First: A Comprehensive Guide to Hilti Tool Safety: This article covers safety procedures for all Hilti power tools.

8. Hilti DSH 700-X Accessories: Enhancing Your Drilling Experience: This article explores the various accessories available for the DSH 700-X.

9. Hilti Warranty Information and Claim Process: This article explains Hilti's warranty policy and how to make a claim.

hilti dsh 700 x parts list: Lightning Protection Guide Dehn + Söhne (Neumarkt i.d. OPf.), 2014

hilti dsh 700 x parts list: Ecology and Biogeography of High Altitude Insects M.S. Mani, 2013-03-14 In my book Introduction to High Altitude Entomology, published in 1962, I summarized the results of eight years' studies, mainly on the Himalaya. I have since then had the opportunity of studying the collections of high altitude insects from the Alps, Carpathians, Caucasus, Urals, Alai-Pamirs, Tien Shan, Altai and other important mountains of the world in different museums and institutions in Europe. Through the courtesy and generosity of the Academy of Sciences of the Union of Soviet Socialist Republics, I was also able to personally collect insects and make valuable field observations on the Caucasus, the Alai-Pamirs, Ala-Tau and the Tien Shan mountains. Through comparative studies I have tried to synthesize the fundamental principles of high altitude entomology. I have described here the distinctive characters of the high altitude environment, the ecological specializations of the high altitude insects, their ecological inter relations and the outstanding peculiarities of their biogeography. I have also presented here an outline of the high altitude entomology of the principal mountains of the world, with brief accounts of their orogeny, geology and vegetation. This book differs from all other contributions in the field in its comparative ecological approach and in the fact that the main emphasis is throughout on the evolution of the high altitude ecosystem as an integral part of the orogeny. High mountains are, in all parts of the world, important and independent centres of origin and differentiation of distinctive and highly specialized ecosystems and faunas.

hilti dsh 700 x parts list: Mesh Parameterization Methods and Their Applications Alla Sheffer, Emil Praun, Kenneth Rose, 2006 Provides guidance to researchers and developers when assessing the suitability of different methods for various applications. The authors focus on the practical aspects of the methods available, such as time complexity and robustness. They also provide multiple examples of parameterizations generated using different methods.

hilti dsh 700 x parts list: Housing, Land, and Property Rights in Post-Conflict United Nations and Other Peace Operations Scott Leckie, 2009 This book is about the UN's role in housing, land, and property rights in countries after violent conflict.

hilti dsh 700 x parts list: Learning with Information Systems Simon Bell, 2013-02-01 In Learning with Information Systems the author takes the developing world as the context and through a series of case studies develops a commonly used systems analysis methodology. He demonstrates how this methodology can evolve and adapt as new ideas become prominent. Issues of sustainability of information systems, participation in systems design and user ownership of systems are all examined. This book does not attempt to be prescriptive for all contexts nor does it focus on any particular technology. It addresses the essential questions and promises practical approaches which will help in the avoidance of the worst forms of disaster associated with the planning of

information systems for developing countries.

hilti dsh 700 x parts list: Bentley Descartes V8i (SELECTseries) EnvisionCAD, 2013-07-31

hilti dsh 700 x parts list: NFPA 1911, 2017

hilti dsh 700 x parts list: Introduction to High Altitude Entomology M. S. Mani, 1962

hilti dsh 700 x parts list: Violence and Mental Health Jutta Lindert, Itzhak Levav, 2015-02-25

Violence is one of the most important challenges, not only for public health systems, but also for public mental health. Violence can have immediate as well as long-term and even transgenerational effects on the mental health of its victims. This book provides a comprehensive and wide-ranging assessment of the mental health legacy left by violence. It addresses the issues as they affect states, communities and families, in other words at macro-, meso- and microlevels, beginning by describing the impact of violence on neurobiology and mental health, as well as the spectrum of syndromes and disorders associated with different forms of violence. The work moves on to tackle violence at the international—and intranational—level before zeroing in on the nature of violence in communities such as villages or city districts. It also examines the results of violence in the family. Each type of violence has distinct effects on mental health and in each chapter specific groups are explored in depth to demonstrate the heterogeneity of violence as well as the diversity of its outcomes in the realm of public mental health. Finally, the book addresses the notion of ‘undoing violence’ by detailing case studies of effective interventions and prevention occurring in countries, communities and families. These cases give us pause to reflect on the nature of resilience and dignity in the context of violence and mental health. All the chapters have been written by leading authors in the field and provide a state-of-the-art perspective. The authors, from different fields of expertise, facilitate interdisciplinary and international insights into the impact of violence on mental health.

hilti dsh 700 x parts list: Cat Running Zilpha Keatley Snyder, 2012-12-04 DIVAn

award-winning, thoughtful, and moving glimpse into life during the Depression/divDIV Cat is the fastest kid at her school—and with Play Day is coming up soon, she will be able to show off her speed to everybody. Unfortunately, her old-fashioned father forbids her to wear pants, even while playing sports. So Cat refuses to race, and Zane, an Okie boy whose family works on a nearby farm, wins. Cat is furious that Zane is so fast, and angry that he was able to beat all the sixth-grade boys, even in his bare feet./divDIV /divDIVThough Cat hates Zane at the start, soon the two become friends. They are the school's best runners, after all. But while Cat's family is doing well, Zane's family has lost everything in the Depression. All Cat can offer Zane's family is sympathy and friendship . . . until Zane's sister gets pneumonia and Cat and Zane are forced into a race for the little girl's life./divDIV /divDIVThis ebook features an extended biography of Zilpha Keatley Snyder./div

hilti dsh 700 x parts list: Packaging & Evolution Jenny Chou, 2019

hilti dsh 700 x parts list: Carburizing and Carbonitriding A S M International, 1977-04-01

hilti dsh 700 x parts list: Standard Method of Measurement for Industrial Engineering

Construction Association of Cost Engineers, Rics Joint Documentation Board Staff, Royal Institution of Chartered Surveyors, 1984-12-31 This publication aims to provide measurement principles for the estimating, tendering, contract management and cost control aspects of industrial engineering construction.

hilti dsh 700 x parts list: The Truth About Chuck Norris: 400 Facts about the World's

Greatest Human Ian Spector, 2007-12-03 The lowdown on the toughest, sexiest, and bearded man to ever stalk the earth Since its emergence from the bowels of the internet, the Chuck Norris Fact has roundhouse kicked its way into the world's consciousness with all the vim and verve of its namesake. Singing the praises of his unequaled toughness, his mighty kicking feet, his indestructible beard, his frightening virility, and his ability to stop time by thinking about pineapples, The Truth About Chuck Norris is the one book brave enough to go behind the beard and reveal the real Chuck. Ian Spector, webmaster of the site which started the meme and survivor of a real-life encounter with Chuck himself, has selected the 400 most kick-ass facts from his library of thousands, as well as illustrations as awesome as the man himself. This death-defying volume includes such awe-inspiring

observations as:

- A cobra once bit Chuck Norris's leg. After five days of excruciating pain, the cobra died.
- Chuck Norris can charge a cell phone by rubbing it against his beard.
- When an episode of 'Walker, Texas Ranger' aired in France, the French surrendered to Chuck Norris just to be on the safe side.
- Chuck Norris was the first person to tame a dinosaur.
- Chuck Norris once visited The Virgin Islands. Afterward, they were renamed The Islands.
- Every piece of furniture in Chuck Norris's house is a Total Gym. A must-have paean to the archetypical American male and a bible of all things Chuck, The Truth About Chuck Norris is easily the most important book of all time.

hilti dsh 700 x parts list: Grooved Pins. Half-length Centre Grooved British Standards Institution, 1989

hilti dsh 700 x parts list: Relativistic Channeling R. A. Carrigan, James A. Ellison, 1987-09

Channeling, by its nature, involves a wide and disparate range of disciplines. Crystal preparation, material science, accelerator physics, sophisticated theoretical analysis and, of course, channeling itself all must work in concert in a research program. In spite of the gulfs separating some of these activities, researchers have drawn together over the last decade to carry out remarkable experiments in relativistic channeling and channeling radiation. Several informal workshops on high-energy channeling have been held over the years at Aarhus and Fermilab. However, with the vigorous progress in the field in the last several years it became clear that a more formal, comprehensive workshop was needed along with a book that covered the whole spectrum of the new developments, probed the future, and also laid out some of the foundations of the subject. This volume is the outcome of that process. The organization and preparation of both the volume and the workshop owe much to several outstanding scientific committees. The membership of these included J. Andersen (Aarhus), S. Baker (Fermilab), B. Berman (G. Washington), G. Bologna (Torino), E. Bonderup (Aarhus), S. Datz (Oak Ridge), J. Forster (Chalk River), F. Fujimoto (Tokyo), W. Gibson (Albany), I. Mitchell (Chalk River), Y. Ohtsuki (Waseda), R. Pantell (Stanford), S. Picraux (Sandia), J. Remillieux (Lyon), A. Saenz (NRL), V. Schegelsky (Gatchina), C. Sun (Albany), H. Tiberall (Catholic U.), E. Uggerhøj (CERN), and R. Wedell (Humboldt). Others from across the spectrum of scientific disciplines agreed to serve as session chairmen.

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