
■ General Prompt for IMPA Chapter 23 (Shackles and Related Hardware)

Step 1 – Division Before Extraction

- Before starting, read the **Group List** and **Product List** files.
- Count the total products in the current **group**.
- If more than **50 products**, divide the group into several parts **based on subgroups**. Each part should contain **up to 50 products** (the last part may contain fewer).
- Always process **one part at a time**, and announce before starting which **subgroup(s)** are being presented in that part.
- Continue this division consistently until the entire group is completed.

Step 2 – File Priorities

1. **IMPA File** → The main and original source. All extractions must rely on this file's text.
2. **prompt.notebooklm** → Governs the execution rules, formatting, and extraction process.
3. **List Group** → Provides the hierarchy of groups and subgroups. Present in that numbering order.
4. **List Products** → Provides the reference product codes and names.
 - If a product exists in this list **and** in IMPA → Status: YES.
 - If in List Products but **not in IMPA** → Status: Not found.
 - If not in List Products but **in IMPA** → Status: Impa only.
 - If present in List Products and IMPA but text unreadable → Status: Illegal.

Step 3 – Presentation Format

Each product must be presented in this exact structure with bold headings:

Product Name

IMPA Code

Status

Specifications:

- Item A
- Item B
- ...

Product Description (short): 100–200 characters (if not possible: 50–100)

Product Description (detailed): 200–1000 characters

Rules:

- Use *asterisks* for inferred items (e.g., “Pin type: Split pin (*)”).
 - Each product listed under the other with no inline merges.
 - Separate products with one Chinese line; separate subgroups with two Chinese lines.
 - No references, file names, or unnecessary numbers should appear in the final output.
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Step 4 – Group and Subgroup Explanations

- Before listing products of a **group**, present a **dedicated professional description** of that group.
 - Before listing products of a **subgroup**, present a **separate explanation** of that subgroup.
 - No word or length limit: provide **rich, professional, practical context**.
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Step 5 – Specifications Section (Chapter 23 Specific)

For Chapter 23, the **specifications section** for each product should include **up to 10 items**, selected from the following list depending on the product type:

- **Body Diameter / Small Diameter** – core shackle size.
- **Opening / Jaw Width** – inner opening size.
- **Pin Type** – e.g., screw pin, hex head bolt with nut, eye bolt, safety bolt.
- **Pin Diameter** – thickness of the pin.
- **Thread Type** – e.g., metric coarse, M-thread size.
- **Clear Length** – inside length measurement.
- **Working Load Limit (WLL)** – safe load capacity.

- **Material** – forged steel, stainless steel, alloy steel.
 - **Finish** – galvanized, ungalvanized (black), painted.
 - **Reference Standards** – JIS A 2801, EN 13889, RR-C-271, DNV 2.7-1, etc.
 - **Weight** – per piece.
 - **Application** – type of use (lifting, rigging, slings, marine chains).
 - **Other Important Items** – additional product-specific notes (e.g., “suitable for corrosive environments,” “supplied with certificate,” “green pin identification”).
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Step 6 – Product Descriptions

- **Short Description** → concise (100–200 chars, fallback 50–100) professional summary for quick reference.
 - **Detailed Description** → expanded (200–1000 chars), highlighting product use, standards, performance, durability, and ordering considerations. Adapt length by product type.
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